

# Anexo

Dosimetrias e Laudos de Calibrações

Agosto 2025 - Agosto 2027

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: SECRETARIA DE SAÚDE  
Funcionário avaliado: AGENTE COMUNITARIO DE ENDEMIAS  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora: SAO LUCAS MEDICINA E SEG DO TRAB  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 04/08/2025

**Configuração dos dosímetros**

Dosímetro NR15  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 5

Dosímetro NHO01  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

Dosímetro USER  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

**Resultado da avaliação**

Duração: 01:30:55

Início: 14:37:52

Dosímetro NR15

Dose [%]: 718,77

Dose diária [%]: 3.794,79

Lavg [dB]: 111,23

NE [dB]: 111,23

NEN [dB]: 111,23

TWA [dB]: 99,23

Ocorrências de picos de 115 dB: 1

Tempo em pausa: 00:00:11

Fim: 16:08:42

Dosímetro NHO01

Dose [%]: 8.304,79

Dose diária [%]: 43.845,64

Leq [dB]: 111,33

NE [dB]: 111,33

NEN [dB]: 111,33

TWA [dB]: 104,13

Dosímetro USER

Dose [%]: 8.304,79

Dose diária [%]: 43.845,64

Leq [dB]: 111,33

NE [dB]: 111,33

NEN [dB]: 0,00

TWA [dB]: 104,13

**Registro de calibração**

Verificação de campo @ 1kHz

Pré verificação [dB]: 114,00 (04/08/2025 14:37)

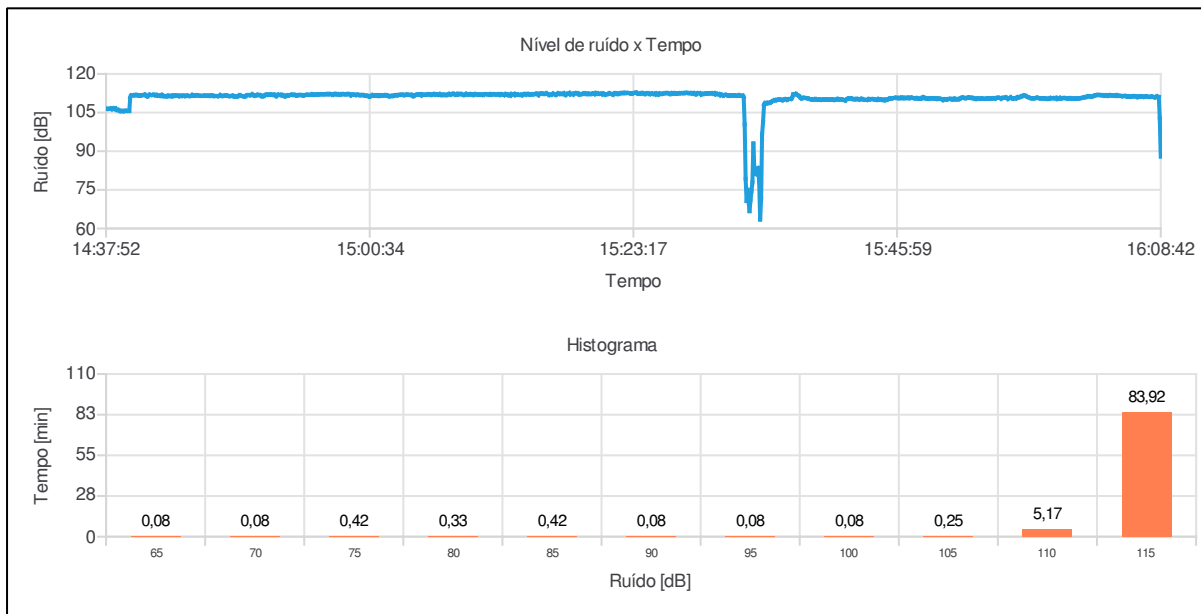
Pós verificação [dB]: 114,82 (04/08/2025 16:08)

Desvio [dB]: -0,82

Calibração de laboratório

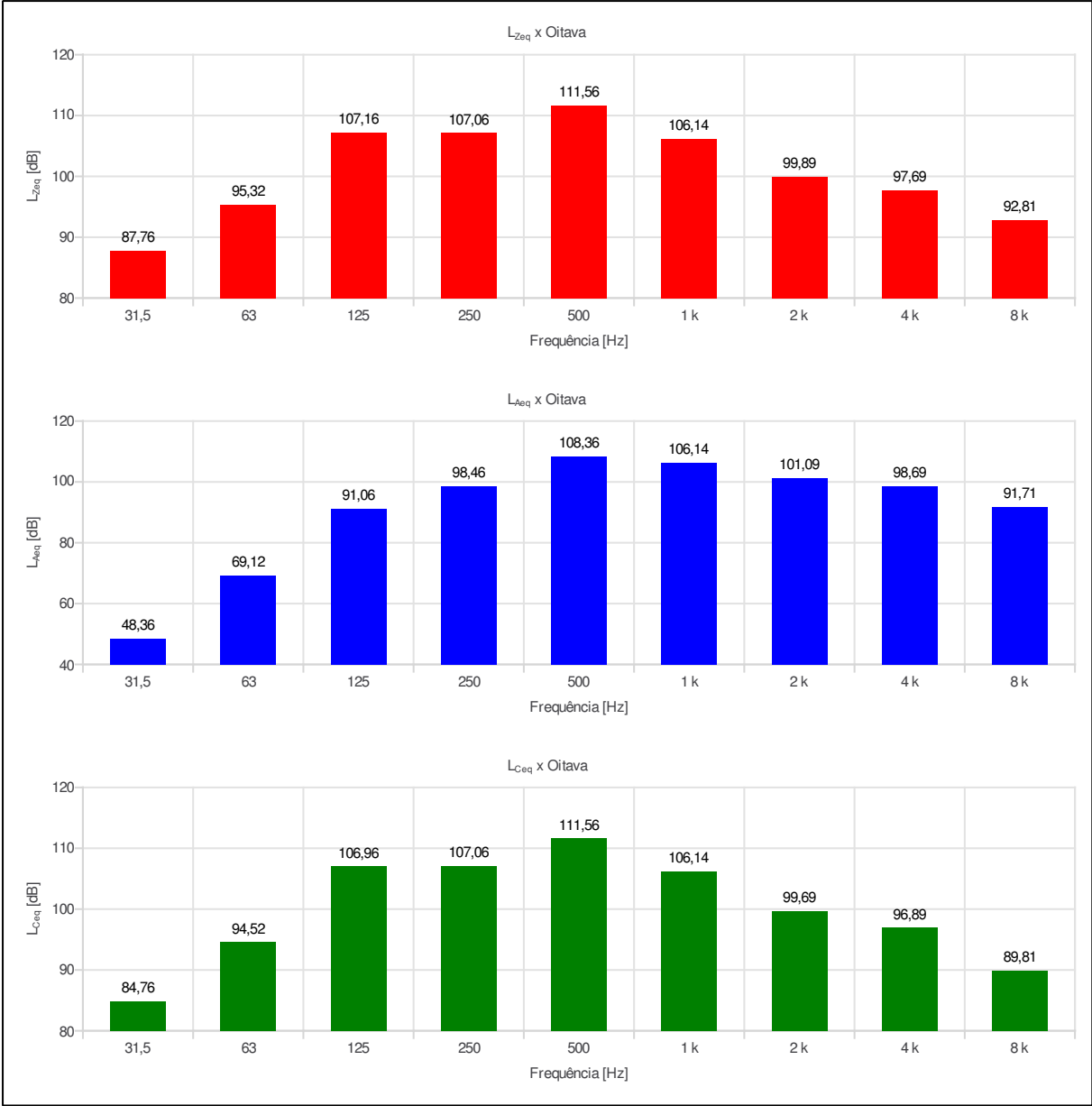
Dosímetro: CRA0131/2025 31/01/2025

Calibrador de áudio:

**Gráficos****Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

Bandas de oitavas



**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 14:37:52 | 106,58 | 056 | 14:42:27 | 111,54 | 111 | 14:47:02 | 111,62 | 166 | 14:51:37 | 111,89 | 221 | 14:56:12 | 112,06 |
| 002 | 14:37:57 | 106,43 | 057 | 14:42:32 | 111,49 | 112 | 14:47:07 | 111,42 | 167 | 14:51:42 | 111,98 | 222 | 14:56:17 | 112,08 |
| 003 | 14:38:02 | 106,46 | 058 | 14:42:37 | 111,81 | 113 | 14:47:12 | 111,41 | 168 | 14:51:47 | 111,89 | 223 | 14:56:22 | 112,12 |
| 004 | 14:38:07 | 106,48 | 059 | 14:42:42 | 111,81 | 114 | 14:47:17 | 111,44 | 169 | 14:51:52 | 111,87 | 224 | 14:56:27 | 112,15 |
| 005 | 14:38:12 | 106,47 | 060 | 14:42:47 | 111,38 | 115 | 14:47:22 | 111,43 | 170 | 14:51:57 | 112,00 | 225 | 14:56:32 | 112,10 |
| 006 | 14:38:17 | 106,59 | 061 | 14:42:52 | 111,39 | 116 | 14:47:27 | 111,40 | 171 | 14:52:02 | 111,97 | 226 | 14:56:37 | 112,08 |
| 007 | 14:38:22 | 106,33 | 062 | 14:42:57 | 111,36 | 117 | 14:47:32 | 111,39 | 172 | 14:52:07 | 111,92 | 227 | 14:56:42 | 112,16 |
| 008 | 14:38:27 | 106,56 | 063 | 14:43:02 | 111,29 | 118 | 14:47:37 | 111,56 | 173 | 14:52:12 | 111,96 | 228 | 14:56:47 | 112,16 |
| 009 | 14:38:32 | 106,64 | 064 | 14:43:07 | 111,30 | 119 | 14:47:42 | 111,78 | 174 | 14:52:17 | 111,83 | 229 | 14:56:52 | 112,13 |
| 010 | 14:38:37 | 106,40 | 065 | 14:43:12 | 111,54 | 120 | 14:47:47 | 111,63 | 175 | 14:52:22 | 111,92 | 230 | 14:56:57 | 112,22 |
| 011 | 14:38:42 | 106,57 | 066 | 14:43:17 | 111,45 | 121 | 14:47:52 | 111,46 | 176 | 14:52:27 | 111,55 | 231 | 14:57:02 | 112,11 |
| 012 | 14:38:47 | 106,02 | 067 | 14:43:22 | 111,40 | 122 | 14:47:57 | 111,45 | 177 | 14:52:32 | 111,36 | 232 | 14:57:07 | 112,16 |
| 013 | 14:38:52 | 106,04 | 068 | 14:43:27 | 111,50 | 123 | 14:48:02 | 111,56 | 178 | 14:52:37 | 111,67 | 233 | 14:57:12 | 112,19 |
| 014 | 14:38:57 | 105,98 | 069 | 14:43:32 | 111,35 | 124 | 14:48:07 | 111,63 | 179 | 14:52:42 | 111,93 | 234 | 14:57:17 | 112,04 |
| 015 | 14:39:02 | 105,63 | 070 | 14:43:37 | 111,58 | 125 | 14:48:12 | 111,54 | 180 | 14:52:47 | 111,88 | 235 | 14:57:22 | 111,90 |
| 016 | 14:39:07 | 105,59 | 071 | 14:43:42 | 111,45 | 126 | 14:48:17 | 111,59 | 181 | 14:52:52 | 111,82 | 236 | 14:57:27 | 112,10 |
| 017 | 14:39:12 | 105,56 | 072 | 14:43:47 | 111,61 | 127 | 14:48:22 | 111,50 | 182 | 14:52:57 | 111,89 | 237 | 14:57:32 | 112,07 |
| 018 | 14:39:17 | 105,66 | 073 | 14:43:52 | 111,58 | 128 | 14:48:27 | 111,40 | 183 | 14:53:02 | 111,64 | 238 | 14:57:37 | 112,24 |
| 019 | 14:39:22 | 105,54 | 074 | 14:43:57 | 111,55 | 129 | 14:48:32 | 111,40 | 184 | 14:53:07 | 111,73 | 239 | 14:57:42 | 112,13 |
| 020 | 14:39:27 | 105,59 | 075 | 14:44:02 | 111,59 | 130 | 14:48:37 | 111,44 | 185 | 14:53:12 | 111,47 | 240 | 14:57:47 | 112,06 |
| 021 | 14:39:32 | 105,70 | 076 | 14:44:07 | 111,40 | 131 | 14:48:42 | 111,52 | 186 | 14:53:17 | 111,29 | 241 | 14:57:52 | 112,10 |
| 022 | 14:39:37 | 105,61 | 077 | 14:44:12 | 111,39 | 132 | 14:48:47 | 111,54 | 187 | 14:53:22 | 111,42 | 242 | 14:57:57 | 112,14 |
| 023 | 14:39:42 | 105,66 | 078 | 14:44:17 | 111,55 | 133 | 14:48:52 | 111,27 | 188 | 14:53:27 | 111,65 | 243 | 14:58:02 | 111,98 |
| 024 | 14:39:47 | 105,60 | 079 | 14:44:22 | 111,44 | 134 | 14:48:57 | 111,26 | 189 | 14:53:32 | 111,55 | 244 | 14:58:07 | 112,10 |
| 025 | 14:39:52 | 105,61 | 080 | 14:44:27 | 111,48 | 135 | 14:49:02 | 111,25 | 190 | 14:53:37 | 111,69 | 245 | 14:58:12 | 112,19 |
| 026 | 14:39:57 | 110,82 | 081 | 14:44:32 | 111,56 | 136 | 14:49:07 | 111,26 | 191 | 14:53:42 | 111,76 | 246 | 14:58:17 | 112,11 |
| 027 | 14:40:02 | 111,66 | 082 | 14:44:37 | 111,45 | 137 | 14:49:12 | 111,29 | 192 | 14:53:47 | 111,85 | 247 | 14:58:22 | 112,14 |
| 028 | 14:40:07 | 111,76 | 083 | 14:44:42 | 111,41 | 138 | 14:49:17 | 111,59 | 193 | 14:53:52 | 111,96 | 248 | 14:58:27 | 112,14 |
| 029 | 14:40:12 | 111,74 | 084 | 14:44:47 | 111,56 | 139 | 14:49:22 | 111,74 | 194 | 14:53:57 | 111,84 | 249 | 14:58:32 | 112,09 |
| 030 | 14:40:17 | 111,69 | 085 | 14:44:52 | 111,58 | 140 | 14:49:27 | 111,60 | 195 | 14:54:02 | 111,81 | 250 | 14:58:37 | 112,11 |
| 031 | 14:40:22 | 111,76 | 086 | 14:44:57 | 111,49 | 141 | 14:49:32 | 111,50 | 196 | 14:54:07 | 111,90 | 251 | 14:58:42 | 112,21 |
| 032 | 14:40:27 | 111,87 | 087 | 14:45:02 | 111,43 | 142 | 14:49:37 | 111,40 | 197 | 14:54:12 | 111,71 | 252 | 14:58:47 | 112,12 |
| 033 | 14:40:32 | 111,74 | 088 | 14:45:07 | 111,45 | 143 | 14:49:42 | 111,33 | 198 | 14:54:17 | 111,60 | 253 | 14:58:52 | 111,96 |
| 034 | 14:40:37 | 111,66 | 089 | 14:45:12 | 111,56 | 144 | 14:49:47 | 111,28 | 199 | 14:54:22 | 111,71 | 254 | 14:58:57 | 111,65 |
| 035 | 14:40:42 | 111,71 | 090 | 14:45:17 | 111,81 | 145 | 14:49:52 | 111,29 | 200 | 14:54:27 | 111,78 | 255 | 14:59:02 | 111,94 |
| 036 | 14:40:47 | 111,62 | 091 | 14:45:22 | 111,59 | 146 | 14:49:57 | 111,60 | 201 | 14:54:32 | 111,83 | 256 | 14:59:07 | 111,93 |
| 037 | 14:40:52 | 111,64 | 092 | 14:45:27 | 111,58 | 147 | 14:50:02 | 111,77 | 202 | 14:54:37 | 111,75 | 257 | 14:59:12 | 111,92 |
| 038 | 14:40:57 | 111,72 | 093 | 14:45:32 | 111,62 | 148 | 14:50:07 | 111,79 | 203 | 14:54:42 | 111,80 | 258 | 14:59:17 | 111,94 |
| 039 | 14:41:02 | 111,80 | 094 | 14:45:37 | 111,70 | 149 | 14:50:12 | 111,77 | 204 | 14:54:47 | 111,73 | 259 | 14:59:22 | 111,81 |
| 040 | 14:41:07 | 111,84 | 095 | 14:45:42 | 111,73 | 150 | 14:50:17 | 111,74 | 205 | 14:54:52 | 111,64 | 260 | 14:59:27 | 111,82 |
| 041 | 14:41:12 | 111,96 | 096 | 14:45:47 | 111,60 | 151 | 14:50:22 | 111,93 | 206 | 14:54:57 | 111,72 | 261 | 14:59:32 | 111,94 |
| 042 | 14:41:17 | 111,73 | 097 | 14:45:52 | 111,57 | 152 | 14:50:27 | 112,10 | 207 | 14:55:02 | 111,80 | 262 | 14:59:37 | 111,84 |
| 043 | 14:41:22 | 111,36 | 098 | 14:45:57 | 111,49 | 153 | 14:50:32 | 111,83 | 208 | 14:55:07 | 111,89 | 263 | 14:59:42 | 111,75 |
| 044 | 14:41:27 | 111,31 | 099 | 14:46:02 | 111,51 | 154 | 14:50:37 | 111,62 | 209 | 14:55:12 | 111,90 | 264 | 14:59:47 | 111,82 |
| 045 | 14:41:32 | 111,68 | 100 | 14:46:07 | 111,47 | 155 | 14:50:42 | 111,71 | 210 | 14:55:17 | 111,85 | 265 | 14:59:52 | 111,75 |
| 046 | 14:41:37 | 111,92 | 101 | 14:46:12 | 111,50 | 156 | 14:50:47 | 111,64 | 211 | 14:55:22 | 111,89 | 266 | 14:59:57 | 111,82 |
| 047 | 14:41:42 | 111,85 | 102 | 14:46:17 | 111,51 | 157 | 14:50:52 | 111,86 | 212 | 14:55:27 | 111,92 | 267 | 15:00:02 | 111,73 |
| 048 | 14:41:47 | 111,82 | 103 | 14:46:22 | 111,59 | 158 | 14:50:57 | 111,90 | 213 | 14:55:32 | 111,97 | 268 | 15:00:07 | 111,67 |
| 049 | 14:41:52 | 111,84 | 104 | 14:46:27 | 111,53 | 159 | 14:51:02 | 111,75 | 214 | 14:55:37 | 112,10 | 269 | 15:00:12 | 111,52 |
| 050 | 14:41:57 | 111,93 | 105 | 14:46:32 | 111,52 | 160 | 14:51:07 | 111,74 | 215 | 14:55:42 | 111,91 | 270 | 15:00:17 | 111,49 |
| 051 | 14:42:02 | 111,77 | 106 | 14:46:37 | 111,50 | 161 | 14:51:12 | 111,68 | 216 | 14:55:47 | 112,00 | 271 | 15:00:22 | 111,52 |
| 052 | 14:42:07 | 111,75 | 107 | 14:46:42 | 111,59 | 162 | 14:51:17 | 111,33 | 217 | 14:55:52 | 111,93 | 272 | 15:00:27 | 111,37 |
| 053 | 14:42:12 | 111,86 | 108 | 14:46:47 | 111,47 | 163 | 14:51:22 | 111,37 | 218 | 14:55:57 | 111,97 | 273 | 15:00:32 | 111,17 |
| 054 | 14:42:17 | 111,60 | 109 | 14:46:52 | 111,55 | 164 | 14:51:27 | 111,38 | 219 | 14:56:02 | 112,07 | 274 | 15:00:37 | 111,27 |
| 055 | 14:42:22 | 111,56 | 110 | 14:46:57 | 111,60 | 165 | 14:51:32 | 111,74 | 220 | 14:56:07 | 112,03 | 275 | 15:00:42 | 111,45 |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 15:00:47 | 111,78 | 331 | 15:05:22 | 111,94 | 386 | 15:09:57 | 111,98 | 441 | 15:14:32 | 112,14 | 496 | 15:19:07 | 112,40 |
| 277 | 15:00:52 | 111,69 | 332 | 15:05:27 | 111,98 | 387 | 15:10:02 | 112,00 | 442 | 15:14:37 | 112,08 | 497 | 15:19:12 | 112,24 |
| 278 | 15:00:57 | 111,62 | 333 | 15:05:32 | 112,01 | 388 | 15:10:07 | 111,98 | 443 | 15:14:42 | 112,09 | 498 | 15:19:17 | 112,35 |
| 279 | 15:01:02 | 111,64 | 334 | 15:05:37 | 112,13 | 389 | 15:10:12 | 111,88 | 444 | 15:14:47 | 112,23 | 499 | 15:19:22 | 112,20 |
| 280 | 15:01:07 | 111,68 | 335 | 15:05:42 | 112,03 | 390 | 15:10:17 | 111,96 | 445 | 15:14:52 | 112,27 | 500 | 15:19:27 | 112,33 |
| 281 | 15:01:12 | 111,53 | 336 | 15:05:47 | 112,02 | 391 | 15:10:22 | 111,86 | 446 | 15:14:57 | 112,31 | 501 | 15:19:32 | 112,24 |
| 282 | 15:01:17 | 111,67 | 337 | 15:05:52 | 111,86 | 392 | 15:10:27 | 112,07 | 447 | 15:15:02 | 112,05 | 502 | 15:19:37 | 112,19 |
| 283 | 15:01:22 | 111,50 | 338 | 15:05:57 | 112,01 | 393 | 15:10:32 | 112,11 | 448 | 15:15:07 | 111,74 | 503 | 15:19:42 | 112,25 |
| 284 | 15:01:27 | 111,66 | 339 | 15:06:02 | 112,05 | 394 | 15:10:37 | 112,14 | 449 | 15:15:12 | 112,28 | 504 | 15:19:47 | 112,41 |
| 285 | 15:01:32 | 111,54 | 340 | 15:06:07 | 112,18 | 395 | 15:10:42 | 112,08 | 450 | 15:15:17 | 112,35 | 505 | 15:19:52 | 112,26 |
| 286 | 15:01:37 | 111,60 | 341 | 15:06:12 | 111,99 | 396 | 15:10:47 | 112,01 | 451 | 15:15:22 | 112,37 | 506 | 15:19:57 | 112,17 |
| 287 | 15:01:42 | 111,65 | 342 | 15:06:17 | 111,94 | 397 | 15:10:52 | 111,97 | 452 | 15:15:27 | 112,36 | 507 | 15:20:02 | 112,54 |
| 288 | 15:01:47 | 111,65 | 343 | 15:06:22 | 112,06 | 398 | 15:10:57 | 112,12 | 453 | 15:15:32 | 112,30 | 508 | 15:20:07 | 112,34 |
| 289 | 15:01:52 | 111,74 | 344 | 15:06:27 | 112,00 | 399 | 15:11:02 | 111,94 | 454 | 15:15:37 | 112,23 | 509 | 15:20:12 | 112,48 |
| 290 | 15:01:57 | 111,76 | 345 | 15:06:32 | 111,90 | 400 | 15:11:07 | 112,05 | 455 | 15:15:42 | 112,33 | 510 | 15:20:17 | 112,29 |
| 291 | 15:02:02 | 111,56 | 346 | 15:06:37 | 112,15 | 401 | 15:11:12 | 112,15 | 456 | 15:15:47 | 112,49 | 511 | 15:20:22 | 112,30 |
| 292 | 15:02:07 | 111,61 | 347 | 15:06:42 | 111,92 | 402 | 15:11:17 | 112,10 | 457 | 15:15:52 | 112,24 | 512 | 15:20:27 | 112,28 |
| 293 | 15:02:12 | 111,39 | 348 | 15:06:47 | 111,81 | 403 | 15:11:22 | 112,01 | 458 | 15:15:57 | 112,11 | 513 | 15:20:32 | 112,33 |
| 294 | 15:02:17 | 111,33 | 349 | 15:06:52 | 111,95 | 404 | 15:11:27 | 112,11 | 459 | 15:16:02 | 111,83 | 514 | 15:20:37 | 112,04 |
| 295 | 15:02:22 | 111,45 | 350 | 15:06:57 | 111,83 | 405 | 15:11:32 | 112,06 | 460 | 15:16:07 | 111,95 | 515 | 15:20:42 | 112,33 |
| 296 | 15:02:27 | 111,41 | 351 | 15:07:02 | 111,92 | 406 | 15:11:37 | 112,02 | 461 | 15:16:12 | 111,97 | 516 | 15:20:47 | 112,22 |
| 297 | 15:02:32 | 111,51 | 352 | 15:07:07 | 111,85 | 407 | 15:11:42 | 112,11 | 462 | 15:16:17 | 112,05 | 517 | 15:20:52 | 111,96 |
| 298 | 15:02:37 | 111,46 | 353 | 15:07:12 | 111,80 | 408 | 15:11:47 | 111,89 | 463 | 15:16:22 | 112,34 | 518 | 15:20:57 | 112,06 |
| 299 | 15:02:42 | 111,65 | 354 | 15:07:17 | 111,96 | 409 | 15:11:52 | 112,09 | 464 | 15:16:27 | 112,15 | 519 | 15:21:02 | 112,17 |
| 300 | 15:02:47 | 111,69 | 355 | 15:07:22 | 112,19 | 410 | 15:11:57 | 112,02 | 465 | 15:16:32 | 112,05 | 520 | 15:21:07 | 112,21 |
| 301 | 15:02:52 | 111,77 | 356 | 15:07:27 | 112,21 | 411 | 15:12:02 | 111,99 | 466 | 15:16:37 | 111,88 | 521 | 15:21:12 | 112,48 |
| 302 | 15:02:57 | 111,69 | 357 | 15:07:32 | 111,97 | 412 | 15:12:07 | 111,82 | 467 | 15:16:42 | 112,18 | 522 | 15:21:17 | 112,39 |
| 303 | 15:03:02 | 111,78 | 358 | 15:07:37 | 112,16 | 413 | 15:12:12 | 111,81 | 468 | 15:16:47 | 112,45 | 523 | 15:21:22 | 112,21 |
| 304 | 15:03:07 | 111,88 | 359 | 15:07:42 | 112,14 | 414 | 15:12:17 | 112,16 | 469 | 15:16:52 | 112,23 | 524 | 15:21:27 | 112,08 |
| 305 | 15:03:12 | 111,85 | 360 | 15:07:47 | 112,29 | 415 | 15:12:22 | 112,04 | 470 | 15:16:57 | 112,31 | 525 | 15:21:32 | 111,94 |
| 306 | 15:03:17 | 111,85 | 361 | 15:07:52 | 112,13 | 416 | 15:12:27 | 112,03 | 471 | 15:17:02 | 112,29 | 526 | 15:21:37 | 112,40 |
| 307 | 15:03:22 | 111,95 | 362 | 15:07:57 | 111,93 | 417 | 15:12:32 | 111,75 | 472 | 15:17:07 | 112,20 | 527 | 15:21:42 | 112,50 |
| 308 | 15:03:27 | 111,89 | 363 | 15:08:02 | 112,03 | 418 | 15:12:37 | 111,85 | 473 | 15:17:12 | 112,32 | 528 | 15:21:47 | 112,45 |
| 309 | 15:03:32 | 111,75 | 364 | 15:08:07 | 112,21 | 419 | 15:12:42 | 111,59 | 474 | 15:17:17 | 112,50 | 529 | 15:21:52 | 112,24 |
| 310 | 15:03:37 | 111,86 | 365 | 15:08:12 | 112,04 | 420 | 15:12:47 | 112,19 | 475 | 15:17:22 | 111,99 | 530 | 15:21:57 | 112,35 |
| 311 | 15:03:42 | 111,93 | 366 | 15:08:17 | 112,21 | 421 | 15:12:52 | 112,03 | 476 | 15:17:27 | 111,83 | 531 | 15:22:02 | 112,26 |
| 312 | 15:03:47 | 111,95 | 367 | 15:08:22 | 112,14 | 422 | 15:12:57 | 112,15 | 477 | 15:17:32 | 112,25 | 532 | 15:22:07 | 112,45 |
| 313 | 15:03:52 | 111,93 | 368 | 15:08:27 | 112,20 | 423 | 15:13:02 | 112,22 | 478 | 15:17:37 | 112,23 | 533 | 15:22:12 | 112,56 |
| 314 | 15:03:57 | 111,84 | 369 | 15:08:32 | 112,09 | 424 | 15:13:07 | 111,79 | 479 | 15:17:42 | 112,46 | 534 | 15:22:17 | 112,59 |
| 315 | 15:04:02 | 111,86 | 370 | 15:08:37 | 111,90 | 425 | 15:13:12 | 111,99 | 480 | 15:17:47 | 112,59 | 535 | 15:22:22 | 112,51 |
| 316 | 15:04:07 | 111,88 | 371 | 15:08:42 | 111,83 | 426 | 15:13:17 | 112,06 | 481 | 15:17:52 | 112,06 | 536 | 15:22:27 | 112,65 |
| 317 | 15:04:12 | 111,84 | 372 | 15:08:47 | 111,98 | 427 | 15:13:22 | 111,98 | 482 | 15:17:57 | 112,20 | 537 | 15:22:32 | 112,65 |
| 318 | 15:04:17 | 111,43 | 373 | 15:08:52 | 112,26 | 428 | 15:13:27 | 111,84 | 483 | 15:18:02 | 112,24 | 538 | 15:22:37 | 112,55 |
| 319 | 15:04:22 | 111,40 | 374 | 15:08:57 | 112,07 | 429 | 15:13:32 | 111,88 | 484 | 15:18:07 | 111,99 | 539 | 15:22:42 | 112,63 |
| 320 | 15:04:27 | 111,68 | 375 | 15:09:02 | 111,94 | 430 | 15:13:37 | 111,90 | 485 | 15:18:12 | 112,36 | 540 | 15:22:47 | 112,61 |
| 321 | 15:04:32 | 111,80 | 376 | 15:09:07 | 112,02 | 431 | 15:13:42 | 111,73 | 486 | 15:18:17 | 112,50 | 541 | 15:22:52 | 112,59 |
| 322 | 15:04:37 | 111,95 | 377 | 15:09:12 | 112,13 | 432 | 15:13:47 | 112,04 | 487 | 15:18:22 | 112,53 | 542 | 15:22:57 | 112,50 |
| 323 | 15:04:42 | 111,98 | 378 | 15:09:17 | 112,14 | 433 | 15:13:52 | 112,15 | 488 | 15:18:27 | 112,38 | 543 | 15:23:02 | 112,42 |
| 324 | 15:04:47 | 111,99 | 379 | 15:09:22 | 111,93 | 434 | 15:13:57 | 112,18 | 489 | 15:18:32 | 112,41 | 544 | 15:23:07 | 112,46 |
| 325 | 15:04:52 | 112,04 | 380 | 15:09:27 | 111,96 | 435 | 15:14:02 | 111,95 | 490 | 15:18:37 | 112,00 | 545 | 15:23:12 | 112,39 |
| 326 | 15:04:57 | 111,98 | 381 | 15:09:32 | 111,86 | 436 | 15:14:07 | 112,07 | 491 | 15:18:42 | 112,05 | 546 | 15:23:17 | 112,58 |
| 327 | 15:05:02 | 111,63 | 382 | 15:09:37 | 112,14 | 437 | 15:14:12 | 112,21 | 492 | 15:18:47 | 112,19 | 547 | 15:23:22 | 112,64 |
| 328 | 15:05:07 | 112,00 | 383 | 15:09:42 | 112,17 | 438 | 15:14:17 | 112,04 | 493 | 15:18:52 | 112,18 | 548 | 15:23:27 | 112,69 |
| 329 | 15:05:12 | 111,93 | 384 | 15:09:47 | 112,02 | 439 | 15:14:22 | 112,00 | 494 | 15:18:57 | 112,36 | 549 | 15:23:32 | 112,74 |
| 330 | 15:05:17 | 111,88 | 385 | 15:09:52 | 111,92 | 440 | 15:14:27 | 112,02 | 495 | 15:19:02 | 112,49 | 550 | 15:23:37 | 112,42 |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 15:23:42 | 112,31 | 606 | 15:28:17 | 112,58 | 661 | 15:32:52 | 100,38 | 716 | 15:37:27 | 111,68 | 771 | 15:42:02 | 110,50 |
| 552 | 15:23:47 | 112,37 | 607 | 15:28:22 | 112,39 | 662 | 15:32:57 | 79,25  | 717 | 15:37:32 | 111,49 | 772 | 15:42:07 | 110,37 |
| 553 | 15:23:52 | 112,39 | 608 | 15:28:27 | 112,54 | 663 | 15:33:02 | 70,66  | 718 | 15:37:37 | 111,12 | 773 | 15:42:12 | 110,21 |
| 554 | 15:23:57 | 112,39 | 609 | 15:28:32 | 112,48 | 664 | 15:33:07 | 75,03  | 719 | 15:37:42 | 110,65 | 774 | 15:42:17 | 110,28 |
| 555 | 15:24:02 | 112,58 | 610 | 15:28:37 | 112,15 | 665 | 15:33:12 | 70,81  | 720 | 15:37:47 | 110,50 | 775 | 15:42:22 | 110,17 |
| 556 | 15:24:07 | 112,48 | 611 | 15:28:42 | 112,13 | 666 | 15:33:17 | 66,73  | 721 | 15:37:52 | 110,65 | 776 | 15:42:27 | 110,18 |
| 557 | 15:24:12 | 112,34 | 612 | 15:28:47 | 112,49 | 667 | 15:33:22 | 70,84  | 722 | 15:37:57 | 110,72 | 777 | 15:42:32 | 110,30 |
| 558 | 15:24:17 | 112,20 | 613 | 15:28:52 | 112,52 | 668 | 15:33:27 | 74,40  | 723 | 15:38:02 | 110,68 | 778 | 15:42:37 | 110,25 |
| 559 | 15:24:22 | 112,41 | 614 | 15:28:57 | 112,53 | 669 | 15:33:32 | 77,92  | 724 | 15:38:07 | 110,61 | 779 | 15:42:42 | 110,09 |
| 560 | 15:24:27 | 112,45 | 615 | 15:29:02 | 112,46 | 670 | 15:33:37 | 92,99  | 725 | 15:38:12 | 110,62 | 780 | 15:42:47 | 110,07 |
| 561 | 15:24:32 | 112,52 | 616 | 15:29:07 | 112,00 | 671 | 15:33:42 | 82,92  | 726 | 15:38:17 | 110,56 | 781 | 15:42:52 | 110,30 |
| 562 | 15:24:37 | 112,40 | 617 | 15:29:12 | 112,22 | 672 | 15:33:47 | 81,36  | 727 | 15:38:22 | 110,43 | 782 | 15:42:57 | 110,33 |
| 563 | 15:24:42 | 112,18 | 618 | 15:29:17 | 112,16 | 673 | 15:33:52 | 81,06  | 728 | 15:38:27 | 110,24 | 783 | 15:43:02 | 110,16 |
| 564 | 15:24:47 | 112,23 | 619 | 15:29:22 | 112,30 | 674 | 15:33:57 | 83,18  | 729 | 15:38:32 | 110,21 | 784 | 15:43:07 | 110,02 |
| 565 | 15:24:52 | 112,42 | 620 | 15:29:27 | 112,34 | 675 | 15:34:02 | 83,48  | 730 | 15:38:37 | 110,15 | 785 | 15:43:12 | 109,95 |
| 566 | 15:24:57 | 112,28 | 621 | 15:29:32 | 112,39 | 676 | 15:34:07 | 78,01  | 731 | 15:38:42 | 110,05 | 786 | 15:43:17 | 109,94 |
| 567 | 15:25:02 | 112,21 | 622 | 15:29:37 | 112,42 | 677 | 15:34:12 | 63,49  | 732 | 15:38:47 | 110,03 | 787 | 15:43:22 | 109,94 |
| 568 | 15:25:07 | 112,37 | 623 | 15:29:42 | 112,41 | 678 | 15:34:17 | 71,57  | 733 | 15:38:52 | 110,11 | 788 | 15:43:27 | 109,93 |
| 569 | 15:25:12 | 112,04 | 624 | 15:29:47 | 112,48 | 679 | 15:34:22 | 96,59  | 734 | 15:38:57 | 110,24 | 789 | 15:43:32 | 110,22 |
| 570 | 15:25:17 | 112,37 | 625 | 15:29:52 | 112,46 | 680 | 15:34:27 | 101,31 | 735 | 15:39:02 | 110,06 | 790 | 15:43:37 | 110,13 |
| 571 | 15:25:22 | 112,09 | 626 | 15:29:57 | 112,47 | 681 | 15:34:32 | 108,04 | 736 | 15:39:07 | 110,01 | 791 | 15:43:42 | 110,19 |
| 572 | 15:25:27 | 112,01 | 627 | 15:30:02 | 112,47 | 682 | 15:34:37 | 108,65 | 737 | 15:39:12 | 110,02 | 792 | 15:43:47 | 110,25 |
| 573 | 15:25:32 | 112,40 | 628 | 15:30:07 | 112,50 | 683 | 15:34:42 | 108,52 | 738 | 15:39:17 | 110,10 | 793 | 15:43:52 | 110,20 |
| 574 | 15:25:37 | 112,34 | 629 | 15:30:12 | 112,31 | 684 | 15:34:47 | 108,75 | 739 | 15:39:22 | 109,96 | 794 | 15:43:57 | 110,21 |
| 575 | 15:25:42 | 112,27 | 630 | 15:30:17 | 112,49 | 685 | 15:34:52 | 108,67 | 740 | 15:39:27 | 109,96 | 795 | 15:44:02 | 110,11 |
| 576 | 15:25:47 | 112,26 | 631 | 15:30:22 | 112,07 | 686 | 15:34:57 | 108,82 | 741 | 15:39:32 | 110,04 | 796 | 15:44:07 | 110,07 |
| 577 | 15:25:52 | 112,43 | 632 | 15:30:27 | 112,30 | 687 | 15:35:02 | 108,81 | 742 | 15:39:37 | 110,03 | 797 | 15:44:12 | 109,98 |
| 578 | 15:25:57 | 112,53 | 633 | 15:30:32 | 112,22 | 688 | 15:35:07 | 108,95 | 743 | 15:39:42 | 110,11 | 798 | 15:44:17 | 109,95 |
| 579 | 15:26:02 | 112,52 | 634 | 15:30:37 | 112,07 | 689 | 15:35:12 | 109,31 | 744 | 15:39:47 | 110,03 | 799 | 15:44:22 | 110,22 |
| 580 | 15:26:07 | 112,53 | 635 | 15:30:42 | 112,14 | 690 | 15:35:17 | 109,49 | 745 | 15:39:52 | 110,05 | 800 | 15:44:27 | 110,04 |
| 581 | 15:26:12 | 112,59 | 636 | 15:30:47 | 111,72 | 691 | 15:35:22 | 109,68 | 746 | 15:39:57 | 110,08 | 801 | 15:44:32 | 110,14 |
| 582 | 15:26:17 | 112,46 | 637 | 15:30:52 | 111,92 | 692 | 15:35:27 | 109,84 | 747 | 15:40:02 | 110,05 | 802 | 15:44:37 | 110,07 |
| 583 | 15:26:22 | 112,33 | 638 | 15:30:57 | 111,72 | 693 | 15:35:32 | 109,74 | 748 | 15:40:07 | 110,04 | 803 | 15:44:42 | 110,01 |
| 584 | 15:26:27 | 112,21 | 639 | 15:31:02 | 111,56 | 694 | 15:35:37 | 109,87 | 749 | 15:40:12 | 109,99 | 804 | 15:44:47 | 109,86 |
| 585 | 15:26:32 | 112,46 | 640 | 15:31:07 | 111,74 | 695 | 15:35:42 | 109,99 | 750 | 15:40:17 | 110,07 | 805 | 15:44:52 | 109,98 |
| 586 | 15:26:37 | 112,52 | 641 | 15:31:12 | 111,87 | 696 | 15:35:47 | 110,00 | 751 | 15:40:22 | 110,07 | 806 | 15:44:57 | 109,82 |
| 587 | 15:26:42 | 112,37 | 642 | 15:31:17 | 111,78 | 697 | 15:35:52 | 110,04 | 752 | 15:40:27 | 110,09 | 807 | 15:45:02 | 110,02 |
| 588 | 15:26:47 | 112,53 | 643 | 15:31:22 | 111,76 | 698 | 15:35:57 | 110,02 | 753 | 15:40:32 | 109,93 | 808 | 15:45:07 | 110,00 |
| 589 | 15:26:52 | 112,41 | 644 | 15:31:27 | 111,58 | 699 | 15:36:02 | 109,96 | 754 | 15:40:37 | 109,93 | 809 | 15:45:12 | 110,17 |
| 590 | 15:26:57 | 112,38 | 645 | 15:31:32 | 111,54 | 700 | 15:36:07 | 109,80 | 755 | 15:40:42 | 110,05 | 810 | 15:45:17 | 110,29 |
| 591 | 15:27:02 | 112,39 | 646 | 15:31:37 | 111,65 | 701 | 15:36:12 | 109,94 | 756 | 15:40:47 | 110,13 | 811 | 15:45:22 | 110,48 |
| 592 | 15:27:07 | 112,49 | 647 | 15:31:42 | 111,59 | 702 | 15:36:17 | 110,14 | 757 | 15:40:52 | 110,28 | 812 | 15:45:27 | 110,47 |
| 593 | 15:27:12 | 112,45 | 648 | 15:31:47 | 111,66 | 703 | 15:36:22 | 110,12 | 758 | 15:40:57 | 110,09 | 813 | 15:45:32 | 110,52 |
| 594 | 15:27:17 | 112,51 | 649 | 15:31:52 | 111,57 | 704 | 15:36:27 | 110,17 | 759 | 15:41:02 | 110,08 | 814 | 15:45:37 | 110,58 |
| 595 | 15:27:22 | 112,57 | 650 | 15:31:57 | 111,63 | 705 | 15:36:32 | 109,97 | 760 | 15:41:07 | 110,14 | 815 | 15:45:42 | 110,63 |
| 596 | 15:27:27 | 112,51 | 651 | 15:32:02 | 111,60 | 706 | 15:36:37 | 110,17 | 761 | 15:41:12 | 110,09 | 816 | 15:45:47 | 110,71 |
| 597 | 15:27:32 | 112,58 | 652 | 15:32:07 | 111,57 | 707 | 15:36:42 | 110,23 | 762 | 15:41:17 | 110,03 | 817 | 15:45:52 | 110,76 |
| 598 | 15:27:37 | 112,54 | 653 | 15:32:12 | 111,53 | 708 | 15:36:47 | 110,28 | 763 | 15:41:22 | 109,90 | 818 | 15:45:57 | 110,63 |
| 599 | 15:27:42 | 112,56 | 654 | 15:32:17 | 111,57 | 709 | 15:36:52 | 110,31 | 764 | 15:41:27 | 109,80 | 819 | 15:46:02 | 110,68 |
| 600 | 15:27:47 | 112,66 | 655 | 15:32:22 | 111,75 | 710 | 15:36:57 | 110,83 | 765 | 15:41:32 | 109,68 | 820 | 15:46:07 | 110,70 |
| 601 | 15:27:52 | 112,59 | 656 | 15:32:27 | 111,66 | 711 | 15:37:02 | 112,00 | 766 | 15:41:37 | 110,04 | 821 | 15:46:12 | 110,57 |
| 602 | 15:27:57 | 112,64 | 657 | 15:32:32 | 111,54 | 712 | 15:37:07 | 112,01 | 767 | 15:41:42 | 110,32 | 822 | 15:46:17 | 110,73 |
| 603 | 15:28:02 | 112,57 | 658 | 15:32:37 | 111,52 | 713 | 15:37:12 | 112,22 | 768 | 15:41:47 | 110,40 | 823 | 15:46:22 | 110,79 |
| 604 | 15:28:07 | 112,52 | 659 | 15:32:42 | 111,57 | 714 | 15:37:17 | 112,26 | 769 | 15:41:52 | 110,51 | 824 | 15:46:27 | 110,63 |
| 605 | 15:28:12 | 112,53 | 660 | 15:32:47 | 110,93 | 715 | 15:37:22 | 111,98 | 770 | 15:41:57 | 110,45 | 825 | 15:46:32 | 110,75 |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 15:46:37 | 110,58 | 881 | 15:51:12 | 110,25 | 936 | 15:55:47 | 110,92 | 991  | 16:00:22 | 110,66 | 1046 | 16:04:57 | 111,71 |
| 827 | 15:46:42 | 110,69 | 882 | 15:51:17 | 110,17 | 937 | 15:55:52 | 110,60 | 992  | 16:00:27 | 110,62 | 1047 | 16:05:02 | 111,52 |
| 828 | 15:46:47 | 110,70 | 883 | 15:51:22 | 110,30 | 938 | 15:55:57 | 110,46 | 993  | 16:00:32 | 110,61 | 1048 | 16:05:07 | 111,49 |
| 829 | 15:46:52 | 110,63 | 884 | 15:51:27 | 110,56 | 939 | 15:56:02 | 110,50 | 994  | 16:00:37 | 110,49 | 1049 | 16:05:12 | 111,51 |
| 830 | 15:46:57 | 110,78 | 885 | 15:51:32 | 110,64 | 940 | 15:56:07 | 110,59 | 995  | 16:00:42 | 110,46 | 1050 | 16:05:17 | 111,43 |
| 831 | 15:47:02 | 110,62 | 886 | 15:51:37 | 110,83 | 941 | 15:56:12 | 110,53 | 996  | 16:00:47 | 110,50 | 1051 | 16:05:22 | 111,37 |
| 832 | 15:47:07 | 110,63 | 887 | 15:51:42 | 110,76 | 942 | 15:56:17 | 110,58 | 997  | 16:00:52 | 110,59 | 1052 | 16:05:27 | 111,37 |
| 833 | 15:47:12 | 110,81 | 888 | 15:51:47 | 110,74 | 943 | 15:56:22 | 110,96 | 998  | 16:00:57 | 110,44 | 1053 | 16:05:32 | 111,46 |
| 834 | 15:47:17 | 110,71 | 889 | 15:51:52 | 110,58 | 944 | 15:56:27 | 110,93 | 999  | 16:01:02 | 110,42 | 1054 | 16:05:37 | 111,43 |
| 835 | 15:47:22 | 110,69 | 890 | 15:51:57 | 110,66 | 945 | 15:56:32 | 110,95 | 1000 | 16:01:07 | 110,46 | 1055 | 16:05:42 | 111,41 |
| 836 | 15:47:27 | 110,58 | 891 | 15:52:02 | 110,67 | 946 | 15:56:37 | 111,19 | 1001 | 16:01:12 | 110,43 | 1056 | 16:05:47 | 111,22 |
| 837 | 15:47:32 | 110,54 | 892 | 15:52:07 | 110,85 | 947 | 15:56:42 | 111,27 | 1002 | 16:01:17 | 110,40 | 1057 | 16:05:52 | 111,34 |
| 838 | 15:47:37 | 110,55 | 893 | 15:52:12 | 110,85 | 948 | 15:56:47 | 111,33 | 1003 | 16:01:22 | 110,47 | 1058 | 16:05:57 | 111,28 |
| 839 | 15:47:42 | 110,63 | 894 | 15:52:17 | 110,73 | 949 | 15:56:52 | 111,59 | 1004 | 16:01:27 | 110,44 | 1059 | 16:06:02 | 111,15 |
| 840 | 15:47:47 | 110,46 | 895 | 15:52:22 | 110,67 | 950 | 15:56:57 | 111,58 | 1005 | 16:01:32 | 110,48 | 1060 | 16:06:07 | 111,22 |
| 841 | 15:47:52 | 110,44 | 896 | 15:52:27 | 110,74 | 951 | 15:57:02 | 111,55 | 1006 | 16:01:37 | 110,46 | 1061 | 16:06:12 | 111,32 |
| 842 | 15:47:57 | 110,38 | 897 | 15:52:32 | 110,59 | 952 | 15:57:07 | 111,34 | 1007 | 16:01:42 | 110,57 | 1062 | 16:06:17 | 111,29 |
| 843 | 15:48:02 | 110,47 | 898 | 15:52:37 | 110,46 | 953 | 15:57:12 | 111,12 | 1008 | 16:01:47 | 110,61 | 1063 | 16:06:22 | 111,34 |
| 844 | 15:48:07 | 110,51 | 899 | 15:52:42 | 110,45 | 954 | 15:57:17 | 111,01 | 1009 | 16:01:52 | 110,63 | 1064 | 16:06:27 | 111,38 |
| 845 | 15:48:12 | 110,90 | 900 | 15:52:47 | 110,29 | 955 | 15:57:22 | 110,83 | 1010 | 16:01:57 | 110,74 | 1065 | 16:06:32 | 111,25 |
| 846 | 15:48:17 | 110,90 | 901 | 15:52:52 | 110,44 | 956 | 15:57:27 | 110,69 | 1011 | 16:02:02 | 110,87 | 1066 | 16:06:37 | 111,24 |
| 847 | 15:48:22 | 110,63 | 902 | 15:52:57 | 110,43 | 957 | 15:57:32 | 110,56 | 1012 | 16:02:07 | 110,90 | 1067 | 16:06:42 | 111,03 |
| 848 | 15:48:27 | 110,54 | 903 | 15:53:02 | 110,41 | 958 | 15:57:37 | 110,57 | 1013 | 16:02:12 | 111,05 | 1068 | 16:06:47 | 111,20 |
| 849 | 15:48:32 | 110,44 | 904 | 15:53:07 | 110,43 | 959 | 15:57:42 | 110,52 | 1014 | 16:02:17 | 111,02 | 1069 | 16:06:52 | 111,15 |
| 850 | 15:48:37 | 110,42 | 905 | 15:53:12 | 110,39 | 960 | 15:57:47 | 110,57 | 1015 | 16:02:22 | 111,24 | 1070 | 16:06:57 | 111,28 |
| 851 | 15:48:42 | 110,48 | 906 | 15:53:17 | 110,48 | 961 | 15:57:52 | 110,59 | 1016 | 16:02:27 | 111,35 | 1071 | 16:07:02 | 111,29 |
| 852 | 15:48:47 | 110,41 | 907 | 15:53:22 | 110,43 | 962 | 15:57:57 | 110,62 | 1017 | 16:02:32 | 111,33 | 1072 | 16:07:07 | 111,21 |
| 853 | 15:48:52 | 110,52 | 908 | 15:53:27 | 110,35 | 963 | 15:58:02 | 110,78 | 1018 | 16:02:37 | 111,22 | 1073 | 16:07:12 | 111,15 |
| 854 | 15:48:57 | 110,55 | 909 | 15:53:32 | 110,34 | 964 | 15:58:07 | 110,74 | 1019 | 16:02:42 | 111,22 | 1074 | 16:07:17 | 111,10 |
| 855 | 15:49:02 | 110,55 | 910 | 15:53:37 | 110,39 | 965 | 15:58:12 | 110,62 | 1020 | 16:02:47 | 111,22 | 1075 | 16:07:22 | 111,28 |
| 856 | 15:49:07 | 110,50 | 911 | 15:53:42 | 110,43 | 966 | 15:58:17 | 110,52 | 1021 | 16:02:52 | 111,43 | 1076 | 16:07:27 | 111,30 |
| 857 | 15:49:12 | 110,49 | 912 | 15:53:47 | 110,50 | 967 | 15:58:22 | 110,54 | 1022 | 16:02:57 | 111,52 | 1077 | 16:07:32 | 111,20 |
| 858 | 15:49:17 | 110,41 | 913 | 15:53:52 | 110,49 | 968 | 15:58:27 | 110,54 | 1023 | 16:03:02 | 111,61 | 1078 | 16:07:37 | 111,13 |
| 859 | 15:49:22 | 110,48 | 914 | 15:53:57 | 110,50 | 969 | 15:58:32 | 110,48 | 1024 | 16:03:07 | 111,78 | 1079 | 16:07:42 | 111,08 |
| 860 | 15:49:27 | 110,31 | 915 | 15:54:02 | 110,46 | 970 | 15:58:37 | 110,50 | 1025 | 16:03:12 | 111,81 | 1080 | 16:07:47 | 111,09 |
| 861 | 15:49:32 | 110,45 | 916 | 15:54:07 | 110,51 | 971 | 15:58:42 | 110,52 | 1026 | 16:03:17 | 111,80 | 1081 | 16:07:52 | 111,21 |
| 862 | 15:49:37 | 110,37 | 917 | 15:54:12 | 110,51 | 972 | 15:58:47 | 110,43 | 1027 | 16:03:22 | 111,87 | 1082 | 16:07:57 | 111,19 |
| 863 | 15:49:42 | 110,34 | 918 | 15:54:17 | 110,52 | 973 | 15:58:52 | 110,30 | 1028 | 16:03:27 | 111,77 | 1083 | 16:08:02 | 111,11 |
| 864 | 15:49:47 | 110,29 | 919 | 15:54:22 | 110,60 | 974 | 15:58:57 | 110,37 | 1029 | 16:03:32 | 111,77 | 1084 | 16:08:07 | 110,99 |
| 865 | 15:49:52 | 110,08 | 920 | 15:54:27 | 110,50 | 975 | 15:59:02 | 110,43 | 1030 | 16:03:37 | 111,76 | 1085 | 16:08:12 | 110,94 |
| 866 | 15:49:57 | 109,88 | 921 | 15:54:32 | 110,56 | 976 | 15:59:07 | 110,38 | 1031 | 16:03:42 | 111,66 | 1086 | 16:08:17 | 111,05 |
| 867 | 15:50:02 | 110,12 | 922 | 15:54:37 | 110,73 | 977 | 15:59:12 | 110,66 | 1032 | 16:03:47 | 111,69 | 1087 | 16:08:22 | 111,31 |
| 868 | 15:50:07 | 110,11 | 923 | 15:54:42 | 110,74 | 978 | 15:59:17 | 110,61 | 1033 | 16:03:52 | 111,53 | 1088 | 16:08:27 | 111,18 |
| 869 | 15:50:12 | 110,14 | 924 | 15:54:47 | 110,68 | 979 | 15:59:22 | 110,61 | 1034 | 16:03:57 | 111,64 | 1089 | 16:08:32 | 111,05 |
| 870 | 15:50:17 | 110,06 | 925 | 15:54:52 | 110,62 | 980 | 15:59:27 | 110,59 | 1035 | 16:04:02 | 111,71 | 1090 | 16:08:37 | 102,72 |
| 871 | 15:50:22 | 110,17 | 926 | 15:54:57 | 110,38 | 981 | 15:59:32 | 110,65 | 1036 | 16:04:07 | 111,54 | 1091 | 16:08:42 | 87,87  |
| 872 | 15:50:27 | 110,30 | 927 | 15:55:02 | 110,58 | 982 | 15:59:37 | 110,54 | 1037 | 16:04:12 | 111,56 |      |          |        |
| 873 | 15:50:32 | 110,28 | 928 | 15:55:07 | 110,74 | 983 | 15:59:42 | 110,68 | 1038 | 16:04:17 | 111,76 |      |          |        |
| 874 | 15:50:37 | 110,30 | 929 | 15:55:12 | 110,71 | 984 | 15:59:47 | 110,31 | 1039 | 16:04:22 | 111,69 |      |          |        |
| 875 | 15:50:42 | 110,11 | 930 | 15:55:17 | 110,78 | 985 | 15:59:52 | 110,43 | 1040 | 16:04:27 | 111,64 |      |          |        |
| 876 | 15:50:47 | 110,27 | 931 | 15:55:22 | 110,89 | 986 | 15:59:57 | 110,50 | 1041 | 16:04:32 | 111,65 |      |          |        |
| 877 | 15:50:52 | 110,15 | 932 | 15:55:27 | 110,65 | 987 | 16:00:02 | 110,69 | 1042 | 16:04:37 | 111,59 |      |          |        |
| 878 | 15:50:57 | 110,39 | 933 | 15:55:32 | 110,31 | 988 | 16:00:07 | 110,48 | 1043 | 16:04:42 | 111,56 |      |          |        |
| 879 | 15:51:02 | 110,17 | 934 | 15:55:37 | 110,53 | 989 | 16:00:12 | 110,59 | 1044 | 16:04:47 | 111,67 |      |          |        |
| 880 | 15:51:07 | 110,13 | 935 | 15:55:42 | 110,70 | 990 | 16:00:17 | 110,59 | 1045 | 16:04:52 | 111,52 |      |          |        |

Empresa avaliada: MUNICÍPIO DE PATO BRAGADO  
Setor: SECRETARIA DE ESPORTES  
Funcionário avaliado: INSTRUTOR DE ESPORTES  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRAB  
Realizado por: ENGª THAIS LUANA GRZEGOZESKI  
Data: 06/08/2025

Configuração dos dosímetros

Dosímetro NR15  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 5

Dosímetro NHO01  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

Dosímetro USER  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

Resultado da avaliação

Duração: 03:50:25

Início: 13:54:31

Dosímetro NR15

Dose [%]: 20,87

Dose diária [%]: 43,48

Lavg [dB]: 78,99

NE [dB]: 78,99

NEN [dB]: 78,99

TWA [dB]: 73,70

Ocorrências de picos de 115 dB: 0

Tempo em pausa: 00:00:11

Fim: 17:44:51

Dosímetro NHO01

Dose [%]: 36,74

Dose diária [%]: 76,54

Leq [dB]: 83,84

NE [dB]: 83,84

NEN [dB]: 83,84

TWA [dB]: 80,67

Dosímetro USER

Dose [%]: 36,74

Dose diária [%]: 76,54

Leq [dB]: 83,84

NE [dB]: 83,84

NEN [dB]: 0,00

TWA [dB]: 80,67

Registro de calibração

Verificação de campo @ 1kHz

Pré verificação [dB]: 114,00 (06/08/2025 13:53)

Pós verificação [dB]: 113,88 (06/08/2025 17:45)

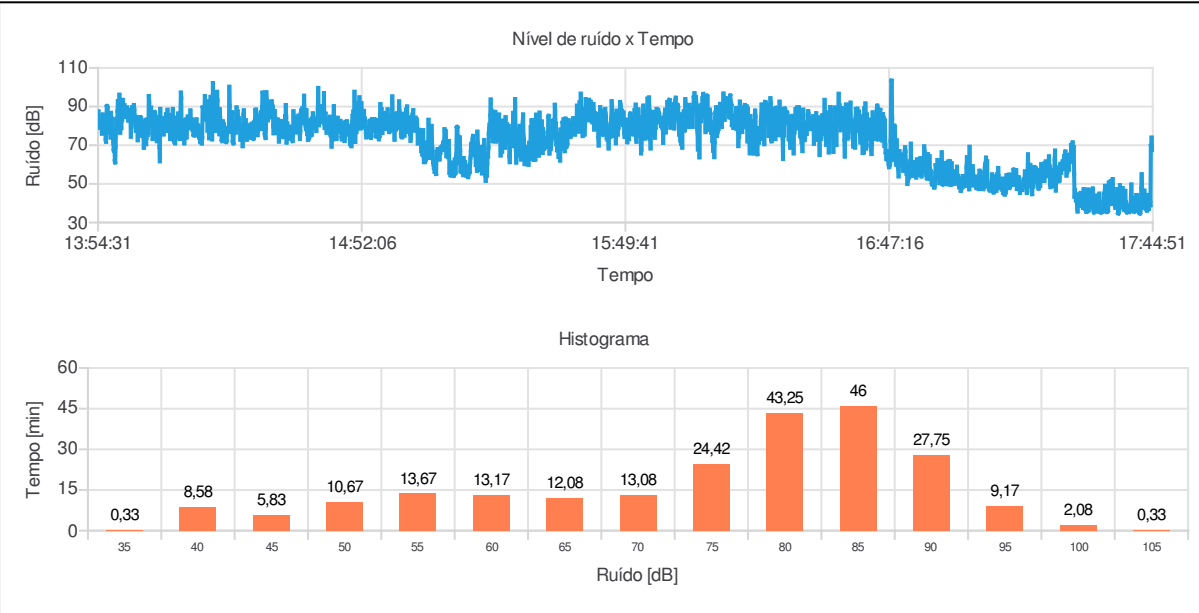
Desvio [dB]: 0,12

Calibração de laboratório

Dosímetro: CRA0130/2025 31/01/2025

Calibrador de áudio:

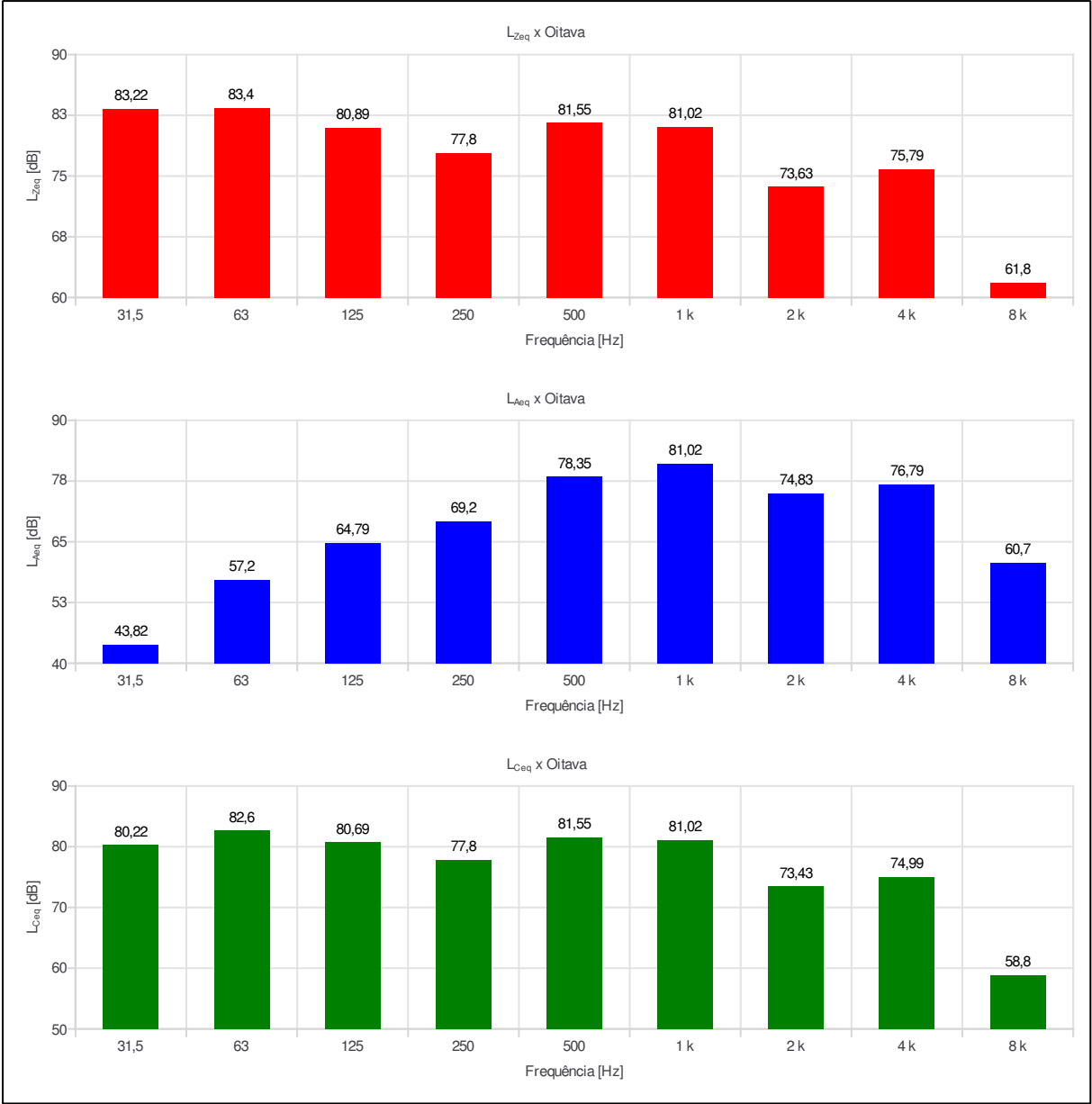
Gráficos



Observações

ENGª THAIS LUANA GRZEGOZESKI  
Registro: CREA 147394/D

Bandas de oitavas



**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 13:54:31 | 84,80  | 056 | 13:59:06 | 88,77  | 111 | 14:03:41 | 84,59  | 166 | 14:08:16 | 76,73  | 221 | 14:12:51 | 78,15  |
| 002 | 13:54:36 | 87,45  | 057 | 13:59:11 | 96,11  | 112 | 14:03:46 | 82,36  | 167 | 14:08:21 | 78,15  | 222 | 14:12:56 | 77,61  |
| 003 | 13:54:41 | 81,86  | 058 | 13:59:16 | 85,14  | 113 | 14:03:51 | 84,19  | 168 | 14:08:26 | 79,10  | 223 | 14:13:01 | 76,45  |
| 004 | 13:54:46 | 80,86  | 059 | 13:59:21 | 76,50  | 114 | 14:03:56 | 79,26  | 169 | 14:08:31 | 83,84  | 224 | 14:13:06 | 75,20  |
| 005 | 13:54:51 | 80,32  | 060 | 13:59:26 | 81,56  | 115 | 14:04:01 | 74,99  | 170 | 14:08:36 | 78,47  | 225 | 14:13:11 | 74,90  |
| 006 | 13:54:56 | 82,81  | 061 | 13:59:31 | 78,87  | 116 | 14:04:06 | 78,51  | 171 | 14:08:41 | 83,20  | 226 | 14:13:16 | 74,23  |
| 007 | 13:55:01 | 78,96  | 062 | 13:59:36 | 78,86  | 117 | 14:04:11 | 81,68  | 172 | 14:08:46 | 77,42  | 227 | 14:13:21 | 70,99  |
| 008 | 13:55:06 | 80,60  | 063 | 13:59:41 | 83,91  | 118 | 14:04:16 | 79,64  | 173 | 14:08:51 | 75,62  | 228 | 14:13:26 | 73,71  |
| 009 | 13:55:11 | 82,94  | 064 | 13:59:46 | 82,95  | 119 | 14:04:21 | 74,63  | 174 | 14:08:56 | 80,80  | 229 | 14:13:31 | 82,68  |
| 010 | 13:55:16 | 81,54  | 065 | 13:59:51 | 84,65  | 120 | 14:04:26 | 76,48  | 175 | 14:09:01 | 83,82  | 230 | 14:13:36 | 77,96  |
| 011 | 13:55:21 | 76,01  | 066 | 13:59:56 | 93,45  | 121 | 14:04:31 | 68,68  | 176 | 14:09:06 | 84,01  | 231 | 14:13:41 | 83,28  |
| 012 | 13:55:26 | 84,79  | 067 | 14:00:01 | 90,62  | 122 | 14:04:36 | 78,11  | 177 | 14:09:11 | 82,43  | 232 | 14:13:46 | 79,85  |
| 013 | 13:55:31 | 85,87  | 068 | 14:00:06 | 87,07  | 123 | 14:04:41 | 78,43  | 178 | 14:09:16 | 77,86  | 233 | 14:13:51 | 74,04  |
| 014 | 13:55:36 | 83,92  | 069 | 14:00:11 | 88,18  | 124 | 14:04:46 | 79,10  | 179 | 14:09:21 | 86,02  | 234 | 14:13:56 | 78,71  |
| 015 | 13:55:41 | 81,26  | 070 | 14:00:16 | 90,78  | 125 | 14:04:51 | 82,94  | 180 | 14:09:26 | 84,21  | 235 | 14:14:01 | 83,33  |
| 016 | 13:55:46 | 78,12  | 071 | 14:00:21 | 89,49  | 126 | 14:04:56 | 73,22  | 181 | 14:09:31 | 77,40  | 236 | 14:14:06 | 84,82  |
| 017 | 13:55:51 | 78,52  | 072 | 14:00:26 | 86,53  | 127 | 14:05:01 | 70,52  | 182 | 14:09:36 | 82,96  | 237 | 14:14:11 | 82,88  |
| 018 | 13:55:56 | 82,37  | 073 | 14:00:31 | 85,40  | 128 | 14:05:06 | 73,87  | 183 | 14:09:41 | 88,33  | 238 | 14:14:16 | 82,15  |
| 019 | 13:56:01 | 78,59  | 074 | 14:00:36 | 84,67  | 129 | 14:05:11 | 83,33  | 184 | 14:09:46 | 83,40  | 239 | 14:14:21 | 80,79  |
| 020 | 13:56:06 | 79,61  | 075 | 14:00:41 | 86,83  | 130 | 14:05:16 | 82,69  | 185 | 14:09:51 | 79,29  | 240 | 14:14:26 | 79,59  |
| 021 | 13:56:11 | 72,71  | 076 | 14:00:46 | 85,76  | 131 | 14:05:21 | 75,28  | 186 | 14:09:56 | 84,96  | 241 | 14:14:31 | 81,40  |
| 022 | 13:56:16 | 71,80  | 077 | 14:00:51 | 89,51  | 132 | 14:05:26 | 80,64  | 187 | 14:10:01 | 85,66  | 242 | 14:14:36 | 78,81  |
| 023 | 13:56:21 | 85,43  | 078 | 14:00:56 | 87,82  | 133 | 14:05:31 | 76,27  | 188 | 14:10:06 | 78,86  | 243 | 14:14:41 | 87,98  |
| 024 | 13:56:26 | 90,25  | 079 | 14:01:01 | 88,40  | 134 | 14:05:36 | 95,45  | 189 | 14:10:11 | 77,24  | 244 | 14:14:46 | 82,55  |
| 025 | 13:56:31 | 90,03  | 080 | 14:01:06 | 82,79  | 135 | 14:05:41 | 92,57  | 190 | 14:10:16 | 73,28  | 245 | 14:14:51 | 81,34  |
| 026 | 13:56:36 | 89,46  | 081 | 14:01:11 | 84,77  | 136 | 14:05:46 | 86,43  | 191 | 14:10:21 | 80,84  | 246 | 14:14:56 | 82,91  |
| 027 | 13:56:41 | 84,97  | 082 | 14:01:16 | 87,82  | 137 | 14:05:51 | 85,02  | 192 | 14:10:26 | 76,62  | 247 | 14:15:01 | 83,38  |
| 028 | 13:56:46 | 76,60  | 083 | 14:01:21 | 85,06  | 138 | 14:05:56 | 81,33  | 193 | 14:10:31 | 80,75  | 248 | 14:15:06 | 80,19  |
| 029 | 13:56:51 | 84,91  | 084 | 14:01:26 | 83,91  | 139 | 14:06:01 | 87,04  | 194 | 14:10:36 | 82,94  | 249 | 14:15:11 | 77,85  |
| 030 | 13:56:56 | 82,15  | 085 | 14:01:31 | 84,15  | 140 | 14:06:06 | 89,43  | 195 | 14:10:41 | 82,54  | 250 | 14:15:16 | 79,86  |
| 031 | 13:57:01 | 81,74  | 086 | 14:01:36 | 82,98  | 141 | 14:06:11 | 82,38  | 196 | 14:10:46 | 85,41  | 251 | 14:15:21 | 75,40  |
| 032 | 13:57:06 | 83,72  | 087 | 14:01:41 | 74,44  | 142 | 14:06:16 | 80,80  | 197 | 14:10:51 | 88,77  | 252 | 14:15:26 | 76,00  |
| 033 | 13:57:11 | 82,76  | 088 | 14:01:46 | 82,73  | 143 | 14:06:21 | 79,40  | 198 | 14:10:56 | 78,22  | 253 | 14:15:31 | 78,05  |
| 034 | 13:57:16 | 74,02  | 089 | 14:01:51 | 83,26  | 144 | 14:06:26 | 73,24  | 199 | 14:11:01 | 72,88  | 254 | 14:15:36 | 75,03  |
| 035 | 13:57:21 | 86,73  | 090 | 14:01:56 | 89,61  | 145 | 14:06:31 | 76,06  | 200 | 14:11:06 | 72,13  | 255 | 14:15:41 | 82,48  |
| 036 | 13:57:26 | 80,02  | 091 | 14:02:01 | 86,44  | 146 | 14:06:36 | 79,63  | 201 | 14:11:11 | 71,83  | 256 | 14:15:46 | 81,52  |
| 037 | 13:57:31 | 79,90  | 092 | 14:02:06 | 87,13  | 147 | 14:06:41 | 78,34  | 202 | 14:11:16 | 74,18  | 257 | 14:15:51 | 78,85  |
| 038 | 13:57:36 | 83,69  | 093 | 14:02:11 | 82,47  | 148 | 14:06:46 | 82,48  | 203 | 14:11:21 | 70,99  | 258 | 14:15:56 | 79,35  |
| 039 | 13:57:41 | 82,68  | 094 | 14:02:16 | 87,79  | 149 | 14:06:51 | 87,17  | 204 | 14:11:26 | 77,98  | 259 | 14:16:01 | 83,38  |
| 040 | 13:57:46 | 74,15  | 095 | 14:02:21 | 90,78  | 150 | 14:06:56 | 86,71  | 205 | 14:11:31 | 81,63  | 260 | 14:16:06 | 75,97  |
| 041 | 13:57:51 | 71,10  | 096 | 14:02:26 | 88,63  | 151 | 14:07:01 | 79,23  | 206 | 14:11:36 | 84,18  | 261 | 14:16:11 | 78,28  |
| 042 | 13:57:56 | 67,46  | 097 | 14:02:31 | 85,13  | 152 | 14:07:06 | 75,50  | 207 | 14:11:41 | 80,12  | 262 | 14:16:16 | 79,21  |
| 043 | 13:58:01 | 67,05  | 098 | 14:02:36 | 82,46  | 153 | 14:07:11 | 74,37  | 208 | 14:11:46 | 80,18  | 263 | 14:16:21 | 78,22  |
| 044 | 13:58:06 | 70,03  | 099 | 14:02:41 | 79,87  | 154 | 14:07:16 | 76,12  | 209 | 14:11:51 | 81,09  | 264 | 14:16:26 | 80,21  |
| 045 | 13:58:11 | 61,83  | 100 | 14:02:46 | 77,54  | 155 | 14:07:21 | 72,12  | 210 | 14:11:56 | 84,48  | 265 | 14:16:31 | 76,62  |
| 046 | 13:58:16 | 61,10  | 101 | 14:02:51 | 84,55  | 156 | 14:07:26 | 84,66  | 211 | 14:12:01 | 86,35  | 266 | 14:16:36 | 73,99  |
| 047 | 13:58:21 | 69,26  | 102 | 14:02:56 | 80,91  | 157 | 14:07:31 | 81,49  | 212 | 14:12:06 | 79,28  | 267 | 14:16:41 | 74,10  |
| 048 | 13:58:26 | 77,32  | 103 | 14:03:01 | 80,19  | 158 | 14:07:36 | 79,46  | 213 | 14:12:11 | 74,29  | 268 | 14:16:46 | 78,87  |
| 049 | 13:58:31 | 83,57  | 104 | 14:03:06 | 78,48  | 159 | 14:07:41 | 78,93  | 214 | 14:12:16 | 73,44  | 269 | 14:16:51 | 71,63  |
| 050 | 13:58:36 | 83,52  | 105 | 14:03:11 | 72,59  | 160 | 14:07:46 | 76,89  | 215 | 14:12:21 | 78,12  | 270 | 14:16:56 | 72,12  |
| 051 | 13:58:41 | 80,55  | 106 | 14:03:16 | 78,65  | 161 | 14:07:51 | 74,51  | 216 | 14:12:26 | 73,26  | 271 | 14:17:01 | 71,66  |
| 052 | 13:58:46 | 87,72  | 107 | 14:03:21 | 82,17  | 162 | 14:07:56 | 69,07  | 217 | 14:12:31 | 86,82  | 272 | 14:17:06 | 76,35  |
| 053 | 13:58:51 | 92,83  | 108 | 14:03:26 | 78,19  | 163 | 14:08:01 | 61,72  | 218 | 14:12:36 | 97,21  | 273 | 14:17:11 | 70,92  |
| 054 | 13:58:56 | 87,27  | 109 | 14:03:31 | 76,52  | 164 | 14:08:06 | 88,78  | 219 | 14:12:41 | 94,70  | 274 | 14:17:16 | 73,81  |
| 055 | 13:59:01 | 85,50  | 110 | 14:03:36 | 82,10  | 165 | 14:08:11 | 81,61  | 220 | 14:12:46 | 77,59  | 275 | 14:17:21 | 89,61  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 14:17:26 | 89,15  | 331 | 14:22:01 | 80,41  | 386 | 14:26:36 | 79,41  | 441 | 14:31:11 | 78,86  | 496 | 14:35:46 | 73,69  |
| 277 | 14:17:31 | 88,64  | 332 | 14:22:06 | 79,10  | 387 | 14:26:41 | 75,36  | 442 | 14:31:16 | 97,40  | 497 | 14:35:51 | 81,19  |
| 278 | 14:17:36 | 83,89  | 333 | 14:22:11 | 76,81  | 388 | 14:26:46 | 82,92  | 443 | 14:31:21 | 93,47  | 498 | 14:35:56 | 77,86  |
| 279 | 14:17:41 | 84,17  | 334 | 14:22:16 | 73,91  | 389 | 14:26:51 | 78,59  | 444 | 14:31:26 | 85,07  | 499 | 14:36:01 | 76,71  |
| 280 | 14:17:46 | 88,28  | 335 | 14:22:21 | 72,06  | 390 | 14:26:56 | 74,60  | 445 | 14:31:31 | 89,94  | 500 | 14:36:06 | 74,14  |
| 281 | 14:17:51 | 95,43  | 336 | 14:22:26 | 72,21  | 391 | 14:27:01 | 72,86  | 446 | 14:31:36 | 82,93  | 501 | 14:36:11 | 73,44  |
| 282 | 14:17:56 | 85,41  | 337 | 14:22:31 | 71,71  | 392 | 14:27:06 | 75,27  | 447 | 14:31:41 | 84,10  | 502 | 14:36:16 | 79,59  |
| 283 | 14:18:01 | 87,04  | 338 | 14:22:36 | 72,35  | 393 | 14:27:11 | 80,23  | 448 | 14:31:46 | 86,23  | 503 | 14:36:21 | 73,92  |
| 284 | 14:18:06 | 91,78  | 339 | 14:22:41 | 75,76  | 394 | 14:27:16 | 75,13  | 449 | 14:31:51 | 84,47  | 504 | 14:36:26 | 78,37  |
| 285 | 14:18:11 | 89,09  | 340 | 14:22:46 | 76,67  | 395 | 14:27:21 | 75,79  | 450 | 14:31:56 | 90,71  | 505 | 14:36:31 | 78,83  |
| 286 | 14:18:16 | 82,88  | 341 | 14:22:51 | 77,29  | 396 | 14:27:26 | 74,03  | 451 | 14:32:01 | 86,43  | 506 | 14:36:36 | 76,31  |
| 287 | 14:18:21 | 83,25  | 342 | 14:22:56 | 78,73  | 397 | 14:27:31 | 73,99  | 452 | 14:32:06 | 86,98  | 507 | 14:36:41 | 74,57  |
| 288 | 14:18:26 | 77,57  | 343 | 14:23:01 | 79,08  | 398 | 14:27:36 | 75,59  | 453 | 14:32:11 | 92,34  | 508 | 14:36:46 | 75,23  |
| 289 | 14:18:31 | 79,95  | 344 | 14:23:06 | 78,34  | 399 | 14:27:41 | 76,29  | 454 | 14:32:16 | 88,73  | 509 | 14:36:51 | 78,83  |
| 290 | 14:18:36 | 86,19  | 345 | 14:23:11 | 100,23 | 400 | 14:27:46 | 75,63  | 455 | 14:32:21 | 85,05  | 510 | 14:36:56 | 73,00  |
| 291 | 14:18:41 | 92,69  | 346 | 14:23:16 | 90,39  | 401 | 14:27:51 | 80,61  | 456 | 14:32:26 | 92,70  | 511 | 14:37:01 | 72,12  |
| 292 | 14:18:46 | 73,60  | 347 | 14:23:21 | 81,87  | 402 | 14:27:56 | 75,15  | 457 | 14:32:31 | 91,21  | 512 | 14:37:06 | 75,98  |
| 293 | 14:18:51 | 79,25  | 348 | 14:23:26 | 79,93  | 403 | 14:28:01 | 78,02  | 458 | 14:32:36 | 90,53  | 513 | 14:37:11 | 87,54  |
| 294 | 14:18:56 | 82,09  | 349 | 14:23:31 | 76,89  | 404 | 14:28:06 | 74,57  | 459 | 14:32:41 | 89,75  | 514 | 14:37:16 | 84,52  |
| 295 | 14:19:01 | 74,28  | 350 | 14:23:36 | 86,61  | 405 | 14:28:11 | 81,18  | 460 | 14:32:46 | 79,95  | 515 | 14:37:21 | 77,57  |
| 296 | 14:19:06 | 95,01  | 351 | 14:23:41 | 85,99  | 406 | 14:28:16 | 78,91  | 461 | 14:32:51 | 76,20  | 516 | 14:37:26 | 78,78  |
| 297 | 14:19:11 | 83,64  | 352 | 14:23:46 | 87,08  | 407 | 14:28:21 | 74,07  | 462 | 14:32:56 | 78,92  | 517 | 14:37:31 | 77,94  |
| 298 | 14:19:16 | 75,45  | 353 | 14:23:51 | 78,68  | 408 | 14:28:26 | 73,32  | 463 | 14:33:01 | 78,23  | 518 | 14:37:36 | 83,19  |
| 299 | 14:19:21 | 78,93  | 354 | 14:23:56 | 71,85  | 409 | 14:28:31 | 73,66  | 464 | 14:33:06 | 87,69  | 519 | 14:37:41 | 84,18  |
| 300 | 14:19:26 | 73,05  | 355 | 14:24:01 | 71,34  | 410 | 14:28:36 | 76,66  | 465 | 14:33:11 | 79,44  | 520 | 14:37:46 | 76,67  |
| 301 | 14:19:31 | 80,68  | 356 | 14:24:06 | 70,99  | 411 | 14:28:41 | 82,16  | 466 | 14:33:16 | 83,25  | 521 | 14:37:51 | 81,71  |
| 302 | 14:19:36 | 102,18 | 357 | 14:24:11 | 80,10  | 412 | 14:28:46 | 80,59  | 467 | 14:33:21 | 76,36  | 522 | 14:37:56 | 83,21  |
| 303 | 14:19:41 | 90,50  | 358 | 14:24:16 | 77,20  | 413 | 14:28:51 | 88,13  | 468 | 14:33:26 | 82,68  | 523 | 14:38:01 | 81,31  |
| 304 | 14:19:46 | 78,85  | 359 | 14:24:21 | 81,51  | 414 | 14:28:56 | 87,42  | 469 | 14:33:31 | 82,29  | 524 | 14:38:06 | 82,68  |
| 305 | 14:19:51 | 81,52  | 360 | 14:24:26 | 77,76  | 415 | 14:29:01 | 88,41  | 470 | 14:33:36 | 79,99  | 525 | 14:38:11 | 83,46  |
| 306 | 14:19:56 | 77,97  | 361 | 14:24:31 | 80,60  | 416 | 14:29:06 | 86,74  | 471 | 14:33:41 | 82,63  | 526 | 14:38:16 | 85,26  |
| 307 | 14:20:01 | 84,63  | 362 | 14:24:36 | 76,57  | 417 | 14:29:11 | 83,42  | 472 | 14:33:46 | 83,30  | 527 | 14:38:21 | 77,45  |
| 308 | 14:20:06 | 77,38  | 363 | 14:24:41 | 86,43  | 418 | 14:29:16 | 80,13  | 473 | 14:33:51 | 79,06  | 528 | 14:38:26 | 77,76  |
| 309 | 14:20:11 | 84,77  | 364 | 14:24:46 | 89,55  | 419 | 14:29:21 | 75,23  | 474 | 14:33:56 | 76,16  | 529 | 14:38:31 | 76,55  |
| 310 | 14:20:16 | 83,08  | 365 | 14:24:51 | 86,66  | 420 | 14:29:26 | 77,49  | 475 | 14:34:01 | 71,92  | 530 | 14:38:36 | 73,34  |
| 311 | 14:20:21 | 83,05  | 366 | 14:24:56 | 85,72  | 421 | 14:29:31 | 84,44  | 476 | 14:34:06 | 77,24  | 531 | 14:38:41 | 77,23  |
| 312 | 14:20:26 | 89,11  | 367 | 14:25:01 | 87,44  | 422 | 14:29:36 | 84,99  | 477 | 14:34:11 | 77,37  | 532 | 14:38:46 | 85,56  |
| 313 | 14:20:31 | 97,61  | 368 | 14:25:06 | 79,81  | 423 | 14:29:41 | 82,85  | 478 | 14:34:16 | 78,32  | 533 | 14:38:51 | 87,52  |
| 314 | 14:20:36 | 93,18  | 369 | 14:25:11 | 84,15  | 424 | 14:29:46 | 83,75  | 479 | 14:34:21 | 74,59  | 534 | 14:38:56 | 88,18  |
| 315 | 14:20:41 | 80,78  | 370 | 14:25:16 | 83,68  | 425 | 14:29:51 | 79,49  | 480 | 14:34:26 | 82,53  | 535 | 14:39:01 | 81,45  |
| 316 | 14:20:46 | 84,34  | 371 | 14:25:21 | 83,84  | 426 | 14:29:56 | 83,21  | 481 | 14:34:31 | 78,47  | 536 | 14:39:06 | 82,34  |
| 317 | 14:20:51 | 81,81  | 372 | 14:25:26 | 80,19  | 427 | 14:30:01 | 84,25  | 482 | 14:34:36 | 74,98  | 537 | 14:39:11 | 89,28  |
| 318 | 14:20:56 | 78,36  | 373 | 14:25:31 | 79,62  | 428 | 14:30:06 | 87,05  | 483 | 14:34:41 | 75,06  | 538 | 14:39:16 | 87,58  |
| 319 | 14:21:01 | 75,70  | 374 | 14:25:36 | 72,86  | 429 | 14:30:11 | 78,41  | 484 | 14:34:46 | 74,46  | 539 | 14:39:21 | 84,21  |
| 320 | 14:21:06 | 88,57  | 375 | 14:25:41 | 79,78  | 430 | 14:30:16 | 81,88  | 485 | 14:34:51 | 74,85  | 540 | 14:39:26 | 86,50  |
| 321 | 14:21:11 | 84,45  | 376 | 14:25:46 | 77,78  | 431 | 14:30:21 | 89,82  | 486 | 14:34:56 | 77,34  | 541 | 14:39:31 | 95,60  |
| 322 | 14:21:16 | 81,03  | 377 | 14:25:51 | 78,63  | 432 | 14:30:26 | 97,20  | 487 | 14:35:01 | 74,22  | 542 | 14:39:36 | 87,85  |
| 323 | 14:21:21 | 80,15  | 378 | 14:25:56 | 75,24  | 433 | 14:30:31 | 96,62  | 488 | 14:35:06 | 81,06  | 543 | 14:39:41 | 82,88  |
| 324 | 14:21:26 | 80,25  | 379 | 14:26:01 | 78,70  | 434 | 14:30:36 | 86,44  | 489 | 14:35:11 | 79,67  | 544 | 14:39:46 | 83,19  |
| 325 | 14:21:31 | 72,67  | 380 | 14:26:06 | 69,50  | 435 | 14:30:41 | 87,46  | 490 | 14:35:16 | 75,94  | 545 | 14:39:51 | 79,61  |
| 326 | 14:21:36 | 73,05  | 381 | 14:26:11 | 78,43  | 436 | 14:30:46 | 80,80  | 491 | 14:35:21 | 84,98  | 546 | 14:39:56 | 78,43  |
| 327 | 14:21:41 | 72,11  | 382 | 14:26:16 | 85,75  | 437 | 14:30:51 | 78,73  | 492 | 14:35:26 | 77,30  | 547 | 14:40:01 | 88,13  |
| 328 | 14:21:46 | 82,33  | 383 | 14:26:21 | 88,02  | 438 | 14:30:56 | 75,51  | 493 | 14:35:31 | 90,81  | 548 | 14:40:06 | 78,92  |
| 329 | 14:21:51 | 78,04  | 384 | 14:26:26 | 78,98  | 439 | 14:31:01 | 74,70  | 494 | 14:35:36 | 84,44  | 549 | 14:40:11 | 75,82  |
| 330 | 14:21:56 | 81,07  | 385 | 14:26:31 | 74,37  | 440 | 14:31:06 | 73,73  | 495 | 14:35:41 | 71,37  | 550 | 14:40:16 | 80,24  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 14:40:21 | 72,75  | 606 | 14:44:56 | 79,48  | 661 | 14:49:31 | 72,43  | 716 | 14:54:06 | 73,86  | 771 | 14:58:41 | 77,57  |
| 552 | 14:40:26 | 80,31  | 607 | 14:45:01 | 79,26  | 662 | 14:49:36 | 70,47  | 717 | 14:54:11 | 74,80  | 772 | 14:58:46 | 95,22  |
| 553 | 14:40:31 | 79,80  | 608 | 14:45:06 | 84,71  | 663 | 14:49:41 | 71,50  | 718 | 14:54:16 | 78,77  | 773 | 14:58:51 | 85,68  |
| 554 | 14:40:36 | 73,60  | 609 | 14:45:11 | 78,51  | 664 | 14:49:46 | 73,56  | 719 | 14:54:21 | 83,50  | 774 | 14:58:56 | 85,33  |
| 555 | 14:40:41 | 74,38  | 610 | 14:45:16 | 75,51  | 665 | 14:49:51 | 69,51  | 720 | 14:54:26 | 80,22  | 775 | 14:59:01 | 85,15  |
| 556 | 14:40:46 | 80,03  | 611 | 14:45:21 | 75,02  | 666 | 14:49:56 | 72,71  | 721 | 14:54:31 | 81,11  | 776 | 14:59:06 | 77,69  |
| 557 | 14:40:51 | 81,64  | 612 | 14:45:26 | 78,43  | 667 | 14:50:01 | 81,83  | 722 | 14:54:36 | 80,55  | 777 | 14:59:11 | 82,35  |
| 558 | 14:40:56 | 83,09  | 613 | 14:45:31 | 69,31  | 668 | 14:50:06 | 85,22  | 723 | 14:54:41 | 77,52  | 778 | 14:59:16 | 72,88  |
| 559 | 14:41:01 | 82,31  | 614 | 14:45:36 | 77,25  | 669 | 14:50:11 | 83,59  | 724 | 14:54:46 | 79,58  | 779 | 14:59:21 | 86,22  |
| 560 | 14:41:06 | 75,55  | 615 | 14:45:41 | 78,82  | 670 | 14:50:16 | 87,41  | 725 | 14:54:51 | 83,49  | 780 | 14:59:26 | 78,52  |
| 561 | 14:41:11 | 75,44  | 616 | 14:45:46 | 81,27  | 671 | 14:50:21 | 83,52  | 726 | 14:54:56 | 79,22  | 781 | 14:59:31 | 77,93  |
| 562 | 14:41:16 | 83,78  | 617 | 14:45:51 | 73,04  | 672 | 14:50:26 | 76,62  | 727 | 14:55:01 | 77,95  | 782 | 14:59:36 | 82,93  |
| 563 | 14:41:21 | 79,21  | 618 | 14:45:56 | 84,17  | 673 | 14:50:31 | 97,64  | 728 | 14:55:06 | 80,15  | 783 | 14:59:41 | 83,24  |
| 564 | 14:41:26 | 86,47  | 619 | 14:46:01 | 90,20  | 674 | 14:50:36 | 83,86  | 729 | 14:55:11 | 74,59  | 784 | 14:59:46 | 84,71  |
| 565 | 14:41:31 | 83,70  | 620 | 14:46:06 | 78,80  | 675 | 14:50:41 | 71,71  | 730 | 14:55:16 | 74,96  | 785 | 14:59:51 | 86,47  |
| 566 | 14:41:36 | 80,00  | 621 | 14:46:11 | 81,16  | 676 | 14:50:46 | 77,49  | 731 | 14:55:21 | 75,72  | 786 | 14:59:56 | 80,67  |
| 567 | 14:41:41 | 81,25  | 622 | 14:46:16 | 79,07  | 677 | 14:50:51 | 87,09  | 732 | 14:55:26 | 81,33  | 787 | 15:00:01 | 79,39  |
| 568 | 14:41:46 | 83,34  | 623 | 14:46:21 | 75,73  | 678 | 14:50:56 | 76,81  | 733 | 14:55:31 | 83,04  | 788 | 15:00:06 | 79,12  |
| 569 | 14:41:51 | 81,56  | 624 | 14:46:26 | 78,69  | 679 | 14:51:01 | 80,78  | 734 | 14:55:36 | 79,01  | 789 | 15:00:11 | 81,75  |
| 570 | 14:41:56 | 80,54  | 625 | 14:46:31 | 80,11  | 680 | 14:51:06 | 78,53  | 735 | 14:55:41 | 77,57  | 790 | 15:00:16 | 92,66  |
| 571 | 14:42:01 | 81,15  | 626 | 14:46:36 | 73,27  | 681 | 14:51:11 | 80,45  | 736 | 14:55:46 | 75,75  | 791 | 15:00:21 | 87,85  |
| 572 | 14:42:06 | 79,45  | 627 | 14:46:41 | 80,58  | 682 | 14:51:16 | 87,49  | 737 | 14:55:51 | 73,10  | 792 | 15:00:26 | 80,10  |
| 573 | 14:42:11 | 77,38  | 628 | 14:46:46 | 77,68  | 683 | 14:51:21 | 91,86  | 738 | 14:55:56 | 76,93  | 793 | 15:00:31 | 82,90  |
| 574 | 14:42:16 | 83,04  | 629 | 14:46:51 | 84,19  | 684 | 14:51:26 | 85,30  | 739 | 14:56:01 | 74,77  | 794 | 15:00:36 | 82,17  |
| 575 | 14:42:21 | 83,54  | 630 | 14:46:56 | 80,28  | 685 | 14:51:31 | 82,88  | 740 | 14:56:06 | 85,93  | 795 | 15:00:41 | 75,34  |
| 576 | 14:42:26 | 84,53  | 631 | 14:47:01 | 78,67  | 686 | 14:51:36 | 94,75  | 741 | 14:56:11 | 91,31  | 796 | 15:00:46 | 74,44  |
| 577 | 14:42:31 | 88,95  | 632 | 14:47:06 | 80,58  | 687 | 14:51:41 | 88,34  | 742 | 14:56:16 | 82,99  | 797 | 15:00:51 | 75,75  |
| 578 | 14:42:36 | 99,64  | 633 | 14:47:11 | 80,04  | 688 | 14:51:46 | 89,87  | 743 | 14:56:21 | 85,79  | 798 | 15:00:56 | 74,11  |
| 579 | 14:42:41 | 86,13  | 634 | 14:47:16 | 77,21  | 689 | 14:51:51 | 80,07  | 744 | 14:56:26 | 88,67  | 799 | 15:01:01 | 77,46  |
| 580 | 14:42:46 | 80,37  | 635 | 14:47:21 | 79,02  | 690 | 14:51:56 | 78,74  | 745 | 14:56:31 | 78,95  | 800 | 15:01:06 | 86,26  |
| 581 | 14:42:51 | 82,43  | 636 | 14:47:26 | 82,59  | 691 | 14:52:01 | 91,73  | 746 | 14:56:36 | 76,36  | 801 | 15:01:11 | 84,61  |
| 582 | 14:42:56 | 88,03  | 637 | 14:47:31 | 76,83  | 692 | 14:52:06 | 85,79  | 747 | 14:56:41 | 80,24  | 802 | 15:01:16 | 77,67  |
| 583 | 14:43:01 | 84,40  | 638 | 14:47:36 | 78,79  | 693 | 14:52:11 | 83,09  | 748 | 14:56:46 | 81,42  | 803 | 15:01:21 | 79,56  |
| 584 | 14:43:06 | 87,54  | 639 | 14:47:41 | 74,03  | 694 | 14:52:16 | 87,01  | 749 | 14:56:51 | 82,35  | 804 | 15:01:26 | 74,98  |
| 585 | 14:43:11 | 90,06  | 640 | 14:47:46 | 73,05  | 695 | 14:52:21 | 79,60  | 750 | 14:56:56 | 81,96  | 805 | 15:01:31 | 82,05  |
| 586 | 14:43:16 | 89,51  | 641 | 14:47:51 | 78,18  | 696 | 14:52:26 | 84,56  | 751 | 14:57:01 | 79,83  | 806 | 15:01:36 | 80,09  |
| 587 | 14:43:21 | 82,61  | 642 | 14:47:56 | 79,63  | 697 | 14:52:31 | 84,61  | 752 | 14:57:06 | 78,40  | 807 | 15:01:41 | 76,85  |
| 588 | 14:43:26 | 88,33  | 643 | 14:48:01 | 81,70  | 698 | 14:52:36 | 87,77  | 753 | 14:57:11 | 86,00  | 808 | 15:01:46 | 88,37  |
| 589 | 14:43:31 | 84,77  | 644 | 14:48:06 | 75,04  | 699 | 14:52:41 | 79,71  | 754 | 14:57:16 | 86,61  | 809 | 15:01:51 | 85,37  |
| 590 | 14:43:36 | 81,96  | 645 | 14:48:11 | 74,69  | 700 | 14:52:46 | 83,78  | 755 | 14:57:21 | 83,92  | 810 | 15:01:56 | 88,22  |
| 591 | 14:43:41 | 85,92  | 646 | 14:48:16 | 73,42  | 701 | 14:52:51 | 79,28  | 756 | 14:57:26 | 86,27  | 811 | 15:02:01 | 90,02  |
| 592 | 14:43:46 | 82,76  | 647 | 14:48:21 | 72,19  | 702 | 14:52:56 | 81,95  | 757 | 14:57:31 | 79,20  | 812 | 15:02:06 | 81,16  |
| 593 | 14:43:51 | 97,00  | 648 | 14:48:26 | 74,25  | 703 | 14:53:01 | 76,07  | 758 | 14:57:36 | 83,51  | 813 | 15:02:11 | 82,33  |
| 594 | 14:43:56 | 81,21  | 649 | 14:48:31 | 76,65  | 704 | 14:53:06 | 74,09  | 759 | 14:57:41 | 84,34  | 814 | 15:02:16 | 77,03  |
| 595 | 14:44:01 | 78,90  | 650 | 14:48:36 | 79,32  | 705 | 14:53:11 | 75,55  | 760 | 14:57:46 | 88,55  | 815 | 15:02:21 | 81,41  |
| 596 | 14:44:06 | 85,67  | 651 | 14:48:41 | 82,00  | 706 | 14:53:16 | 79,29  | 761 | 14:57:51 | 81,59  | 816 | 15:02:26 | 83,65  |
| 597 | 14:44:11 | 86,41  | 652 | 14:48:46 | 79,65  | 707 | 14:53:21 | 77,34  | 762 | 14:57:56 | 78,45  | 817 | 15:02:31 | 78,62  |
| 598 | 14:44:16 | 81,97  | 653 | 14:48:51 | 82,36  | 708 | 14:53:26 | 74,50  | 763 | 14:58:01 | 82,15  | 818 | 15:02:36 | 82,16  |
| 599 | 14:44:21 | 80,21  | 654 | 14:48:56 | 77,21  | 709 | 14:53:31 | 78,38  | 764 | 14:58:06 | 76,78  | 819 | 15:02:41 | 75,87  |
| 600 | 14:44:26 | 76,49  | 655 | 14:49:01 | 76,57  | 710 | 14:53:36 | 76,21  | 765 | 14:58:11 | 81,40  | 820 | 15:02:46 | 72,33  |
| 601 | 14:44:31 | 83,68  | 656 | 14:49:06 | 77,52  | 711 | 14:53:41 | 78,18  | 766 | 14:58:16 | 84,78  | 821 | 15:02:51 | 74,01  |
| 602 | 14:44:36 | 82,61  | 657 | 14:49:11 | 79,93  | 712 | 14:53:46 | 78,82  | 767 | 14:58:21 | 82,25  | 822 | 15:02:56 | 84,42  |
| 603 | 14:44:41 | 79,01  | 658 | 14:49:16 | 79,98  | 713 | 14:53:51 | 82,66  | 768 | 14:58:26 | 79,91  | 823 | 15:03:01 | 79,35  |
| 604 | 14:44:46 | 80,21  | 659 | 14:49:21 | 75,57  | 714 | 14:53:56 | 81,91  | 769 | 14:58:31 | 78,13  | 824 | 15:03:06 | 80,38  |
| 605 | 14:44:51 | 80,95  | 660 | 14:49:26 | 75,04  | 715 | 14:54:01 | 76,21  | 770 | 14:58:36 | 78,42  | 825 | 15:03:11 | 85,65  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 15:03:16 | 86,72  | 881 | 15:07:51 | 58,41  | 936 | 15:12:26 | 62,58  | 991  | 15:17:01 | 59,79  | 1046 | 15:21:36 | 79,44  |
| 827 | 15:03:21 | 88,15  | 882 | 15:07:56 | 60,44  | 937 | 15:12:31 | 58,95  | 992  | 15:17:06 | 70,34  | 1047 | 15:21:41 | 79,10  |
| 828 | 15:03:26 | 81,14  | 883 | 15:08:01 | 56,32  | 938 | 15:12:36 | 55,76  | 993  | 15:17:11 | 68,92  | 1048 | 15:21:46 | 77,90  |
| 829 | 15:03:31 | 77,60  | 884 | 15:08:06 | 62,60  | 939 | 15:12:41 | 63,80  | 994  | 15:17:16 | 56,80  | 1049 | 15:21:51 | 82,52  |
| 830 | 15:03:36 | 80,65  | 885 | 15:08:11 | 60,11  | 940 | 15:12:46 | 65,24  | 995  | 15:17:21 | 76,98  | 1050 | 15:21:56 | 82,45  |
| 831 | 15:03:41 | 80,72  | 886 | 15:08:16 | 55,79  | 941 | 15:12:51 | 79,19  | 996  | 15:17:26 | 71,02  | 1051 | 15:22:01 | 80,93  |
| 832 | 15:03:46 | 77,90  | 887 | 15:08:21 | 55,13  | 942 | 15:12:56 | 79,39  | 997  | 15:17:31 | 69,57  | 1052 | 15:22:06 | 85,85  |
| 833 | 15:03:51 | 84,24  | 888 | 15:08:26 | 66,61  | 943 | 15:13:01 | 79,17  | 998  | 15:17:36 | 68,04  | 1053 | 15:22:11 | 72,89  |
| 834 | 15:03:56 | 80,69  | 889 | 15:08:31 | 64,24  | 944 | 15:13:06 | 61,07  | 999  | 15:17:41 | 67,14  | 1054 | 15:22:16 | 77,26  |
| 835 | 15:04:01 | 83,57  | 890 | 15:08:36 | 64,67  | 945 | 15:13:11 | 66,18  | 1000 | 15:17:46 | 69,02  | 1055 | 15:22:21 | 73,50  |
| 836 | 15:04:06 | 83,29  | 891 | 15:08:41 | 67,96  | 946 | 15:13:16 | 74,32  | 1001 | 15:17:51 | 57,19  | 1056 | 15:22:26 | 64,73  |
| 837 | 15:04:11 | 81,60  | 892 | 15:08:46 | 63,72  | 947 | 15:13:21 | 71,12  | 1002 | 15:17:56 | 65,14  | 1057 | 15:22:31 | 72,69  |
| 838 | 15:04:16 | 78,16  | 893 | 15:08:51 | 64,77  | 948 | 15:13:26 | 63,41  | 1003 | 15:18:01 | 66,66  | 1058 | 15:22:36 | 80,40  |
| 839 | 15:04:21 | 70,92  | 894 | 15:08:56 | 67,64  | 949 | 15:13:31 | 73,96  | 1004 | 15:18:06 | 60,35  | 1059 | 15:22:41 | 74,69  |
| 840 | 15:04:26 | 76,31  | 895 | 15:09:01 | 66,44  | 950 | 15:13:36 | 67,35  | 1005 | 15:18:11 | 63,66  | 1060 | 15:22:46 | 66,72  |
| 841 | 15:04:31 | 75,37  | 896 | 15:09:06 | 62,64  | 951 | 15:13:41 | 56,55  | 1006 | 15:18:16 | 60,26  | 1061 | 15:22:51 | 82,67  |
| 842 | 15:04:36 | 77,79  | 897 | 15:09:11 | 68,07  | 952 | 15:13:46 | 59,63  | 1007 | 15:18:21 | 55,45  | 1062 | 15:22:56 | 82,21  |
| 843 | 15:04:41 | 77,84  | 898 | 15:09:16 | 66,06  | 953 | 15:13:51 | 59,37  | 1008 | 15:18:26 | 69,13  | 1063 | 15:23:01 | 73,11  |
| 844 | 15:04:46 | 75,21  | 899 | 15:09:21 | 68,22  | 954 | 15:13:56 | 56,07  | 1009 | 15:18:31 | 68,98  | 1064 | 15:23:06 | 74,45  |
| 845 | 15:04:51 | 72,67  | 900 | 15:09:26 | 68,85  | 955 | 15:14:01 | 60,05  | 1010 | 15:18:36 | 66,41  | 1065 | 15:23:11 | 75,22  |
| 846 | 15:04:56 | 72,80  | 901 | 15:09:31 | 68,14  | 956 | 15:14:06 | 58,02  | 1011 | 15:18:41 | 66,07  | 1066 | 15:23:16 | 70,00  |
| 847 | 15:05:01 | 75,23  | 902 | 15:09:36 | 69,19  | 957 | 15:14:11 | 62,93  | 1012 | 15:18:46 | 67,03  | 1067 | 15:23:21 | 72,84  |
| 848 | 15:05:06 | 66,93  | 903 | 15:09:41 | 68,45  | 958 | 15:14:16 | 54,53  | 1013 | 15:18:51 | 72,60  | 1068 | 15:23:26 | 68,78  |
| 849 | 15:05:11 | 74,34  | 904 | 15:09:46 | 67,50  | 959 | 15:14:21 | 63,37  | 1014 | 15:18:56 | 62,80  | 1069 | 15:23:31 | 84,50  |
| 850 | 15:05:16 | 76,03  | 905 | 15:09:51 | 70,89  | 960 | 15:14:26 | 57,55  | 1015 | 15:19:01 | 56,02  | 1070 | 15:23:36 | 74,17  |
| 851 | 15:05:21 | 65,18  | 906 | 15:09:56 | 71,46  | 961 | 15:14:31 | 56,14  | 1016 | 15:19:06 | 54,35  | 1071 | 15:23:41 | 73,62  |
| 852 | 15:05:26 | 65,97  | 907 | 15:10:01 | 69,05  | 962 | 15:14:36 | 57,29  | 1017 | 15:19:11 | 51,50  | 1072 | 15:23:46 | 71,97  |
| 853 | 15:05:31 | 77,75  | 908 | 15:10:06 | 71,64  | 963 | 15:14:41 | 61,36  | 1018 | 15:19:16 | 58,14  | 1073 | 15:23:51 | 80,84  |
| 854 | 15:05:36 | 64,73  | 909 | 15:10:11 | 78,27  | 964 | 15:14:46 | 59,17  | 1019 | 15:19:21 | 57,79  | 1074 | 15:23:56 | 78,36  |
| 855 | 15:05:41 | 61,26  | 910 | 15:10:16 | 77,01  | 965 | 15:14:51 | 57,59  | 1020 | 15:19:26 | 54,26  | 1075 | 15:24:01 | 78,96  |
| 856 | 15:05:46 | 63,27  | 911 | 15:10:21 | 67,97  | 966 | 15:14:56 | 54,26  | 1021 | 15:19:31 | 60,31  | 1076 | 15:24:06 | 75,57  |
| 857 | 15:05:51 | 63,24  | 912 | 15:10:26 | 77,20  | 967 | 15:15:01 | 55,40  | 1022 | 15:19:36 | 65,04  | 1077 | 15:24:11 | 80,01  |
| 858 | 15:05:56 | 61,29  | 913 | 15:10:31 | 71,30  | 968 | 15:15:06 | 55,58  | 1023 | 15:19:41 | 64,18  | 1078 | 15:24:16 | 74,47  |
| 859 | 15:06:01 | 65,79  | 914 | 15:10:36 | 64,35  | 969 | 15:15:11 | 55,13  | 1024 | 15:19:46 | 68,62  | 1079 | 15:24:21 | 64,33  |
| 860 | 15:06:06 | 62,54  | 915 | 15:10:41 | 71,15  | 970 | 15:15:16 | 56,18  | 1025 | 15:19:51 | 76,16  | 1080 | 15:24:26 | 61,24  |
| 861 | 15:06:11 | 66,91  | 916 | 15:10:46 | 65,43  | 971 | 15:15:21 | 53,50  | 1026 | 15:19:56 | 78,48  | 1081 | 15:24:31 | 72,14  |
| 862 | 15:06:16 | 63,99  | 917 | 15:10:51 | 64,58  | 972 | 15:15:26 | 55,09  | 1027 | 15:20:01 | 80,71  | 1082 | 15:24:36 | 77,96  |
| 863 | 15:06:21 | 70,30  | 918 | 15:10:56 | 63,94  | 973 | 15:15:31 | 59,28  | 1028 | 15:20:06 | 76,37  | 1083 | 15:24:41 | 74,90  |
| 864 | 15:06:26 | 71,44  | 919 | 15:11:01 | 72,16  | 974 | 15:15:36 | 56,75  | 1029 | 15:20:11 | 85,48  | 1084 | 15:24:46 | 73,36  |
| 865 | 15:06:31 | 71,60  | 920 | 15:11:06 | 72,18  | 975 | 15:15:41 | 56,02  | 1030 | 15:20:16 | 93,62  | 1085 | 15:24:51 | 77,09  |
| 866 | 15:06:36 | 67,73  | 921 | 15:11:11 | 65,77  | 976 | 15:15:46 | 60,23  | 1031 | 15:20:21 | 80,81  | 1086 | 15:24:56 | 70,31  |
| 867 | 15:06:41 | 83,14  | 922 | 15:11:16 | 55,75  | 977 | 15:15:51 | 63,46  | 1032 | 15:20:26 | 87,85  | 1087 | 15:25:01 | 71,53  |
| 868 | 15:06:46 | 72,97  | 923 | 15:11:21 | 57,97  | 978 | 15:15:56 | 67,35  | 1033 | 15:20:31 | 80,71  | 1088 | 15:25:06 | 75,76  |
| 869 | 15:06:51 | 63,51  | 924 | 15:11:26 | 55,68  | 979 | 15:16:01 | 70,67  | 1034 | 15:20:36 | 74,76  | 1089 | 15:25:11 | 86,73  |
| 870 | 15:06:56 | 68,29  | 925 | 15:11:31 | 54,38  | 980 | 15:16:06 | 68,59  | 1035 | 15:20:41 | 72,08  | 1090 | 15:25:16 | 83,62  |
| 871 | 15:07:01 | 69,75  | 926 | 15:11:36 | 55,24  | 981 | 15:16:11 | 70,26  | 1036 | 15:20:46 | 72,73  | 1091 | 15:25:21 | 69,52  |
| 872 | 15:07:06 | 69,17  | 927 | 15:11:41 | 60,33  | 982 | 15:16:16 | 71,95  | 1037 | 15:20:51 | 87,21  | 1092 | 15:25:26 | 71,36  |
| 873 | 15:07:11 | 74,11  | 928 | 15:11:46 | 59,33  | 983 | 15:16:21 | 73,98  | 1038 | 15:20:56 | 84,47  | 1093 | 15:25:31 | 75,14  |
| 874 | 15:07:16 | 70,98  | 929 | 15:11:51 | 60,99  | 984 | 15:16:26 | 74,80  | 1039 | 15:21:01 | 83,74  | 1094 | 15:25:36 | 93,86  |
| 875 | 15:07:21 | 80,01  | 930 | 15:11:56 | 57,79  | 985 | 15:16:31 | 68,58  | 1040 | 15:21:06 | 82,46  | 1095 | 15:25:41 | 79,35  |
| 876 | 15:07:26 | 72,93  | 931 | 15:12:01 | 59,78  | 986 | 15:16:36 | 65,39  | 1041 | 15:21:11 | 83,46  | 1096 | 15:25:46 | 67,84  |
| 877 | 15:07:31 | 68,39  | 932 | 15:12:06 | 57,51  | 987 | 15:16:41 | 64,93  | 1042 | 15:21:16 | 87,23  | 1097 | 15:25:51 | 61,04  |
| 878 | 15:07:36 | 63,44  | 933 | 15:12:11 | 54,23  | 988 | 15:16:46 | 65,47  | 1043 | 15:21:21 | 79,96  | 1098 | 15:25:56 | 64,38  |
| 879 | 15:07:41 | 61,43  | 934 | 15:12:16 | 54,46  | 989 | 15:16:51 | 68,83  | 1044 | 15:21:26 | 71,94  | 1099 | 15:26:01 | 65,19  |
| 880 | 15:07:46 | 60,09  | 935 | 15:12:21 | 55,41  | 990 | 15:16:56 | 67,49  | 1045 | 15:21:31 | 81,88  | 1100 | 15:26:06 | 65,62  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 15:26:11 | 71,25  | 1156 | 15:30:46 | 64,65  | 1211 | 15:35:21 | 70,42  | 1266 | 15:39:56 | 96,65  | 1321 | 15:44:31 | 85,58  |
| 1102 | 15:26:16 | 75,43  | 1157 | 15:30:51 | 80,05  | 1212 | 15:35:26 | 62,08  | 1267 | 15:40:01 | 90,05  | 1322 | 15:44:36 | 82,48  |
| 1103 | 15:26:21 | 69,15  | 1158 | 15:30:56 | 86,83  | 1213 | 15:35:31 | 78,10  | 1268 | 15:40:06 | 77,68  | 1323 | 15:44:41 | 76,60  |
| 1104 | 15:26:26 | 77,57  | 1159 | 15:31:01 | 79,39  | 1214 | 15:35:36 | 74,30  | 1269 | 15:40:11 | 83,23  | 1324 | 15:44:46 | 75,48  |
| 1105 | 15:26:31 | 77,14  | 1160 | 15:31:06 | 71,80  | 1215 | 15:35:41 | 70,05  | 1270 | 15:40:16 | 78,95  | 1325 | 15:44:51 | 75,72  |
| 1106 | 15:26:36 | 79,99  | 1161 | 15:31:11 | 71,74  | 1216 | 15:35:46 | 68,11  | 1271 | 15:40:21 | 74,74  | 1326 | 15:44:56 | 77,01  |
| 1107 | 15:26:41 | 71,36  | 1162 | 15:31:16 | 68,09  | 1217 | 15:35:51 | 70,56  | 1272 | 15:40:26 | 88,58  | 1327 | 15:45:01 | 79,18  |
| 1108 | 15:26:46 | 69,82  | 1163 | 15:31:21 | 80,31  | 1218 | 15:35:56 | 81,76  | 1273 | 15:40:31 | 88,44  | 1328 | 15:45:06 | 79,38  |
| 1109 | 15:26:51 | 64,41  | 1164 | 15:31:26 | 82,27  | 1219 | 15:36:01 | 81,52  | 1274 | 15:40:36 | 86,83  | 1329 | 15:45:11 | 87,71  |
| 1110 | 15:26:56 | 62,62  | 1165 | 15:31:31 | 67,49  | 1220 | 15:36:06 | 80,87  | 1275 | 15:40:41 | 81,49  | 1330 | 15:45:16 | 88,75  |
| 1111 | 15:27:01 | 74,83  | 1166 | 15:31:36 | 66,02  | 1221 | 15:36:11 | 83,40  | 1276 | 15:40:46 | 75,58  | 1331 | 15:45:21 | 86,44  |
| 1112 | 15:27:06 | 75,56  | 1167 | 15:31:41 | 78,38  | 1222 | 15:36:16 | 80,03  | 1277 | 15:40:51 | 80,10  | 1332 | 15:45:26 | 84,63  |
| 1113 | 15:27:11 | 75,87  | 1168 | 15:31:46 | 72,19  | 1223 | 15:36:21 | 69,15  | 1278 | 15:40:56 | 85,88  | 1333 | 15:45:31 | 79,21  |
| 1114 | 15:27:16 | 81,85  | 1169 | 15:31:51 | 68,55  | 1224 | 15:36:26 | 66,93  | 1279 | 15:41:01 | 93,87  | 1334 | 15:45:36 | 73,52  |
| 1115 | 15:27:21 | 85,88  | 1170 | 15:31:56 | 68,10  | 1225 | 15:36:31 | 82,00  | 1280 | 15:41:06 | 90,46  | 1335 | 15:45:41 | 79,20  |
| 1116 | 15:27:26 | 74,59  | 1171 | 15:32:01 | 70,95  | 1226 | 15:36:36 | 83,75  | 1281 | 15:41:11 | 92,18  | 1336 | 15:45:46 | 78,78  |
| 1117 | 15:27:31 | 73,14  | 1172 | 15:32:06 | 69,92  | 1227 | 15:36:41 | 78,84  | 1282 | 15:41:16 | 88,44  | 1337 | 15:45:51 | 72,54  |
| 1118 | 15:27:36 | 68,80  | 1173 | 15:32:11 | 71,01  | 1228 | 15:36:46 | 69,12  | 1283 | 15:41:21 | 86,83  | 1338 | 15:45:56 | 77,20  |
| 1119 | 15:27:41 | 60,22  | 1174 | 15:32:16 | 70,71  | 1229 | 15:36:51 | 69,51  | 1284 | 15:41:26 | 85,60  | 1339 | 15:46:01 | 68,36  |
| 1120 | 15:27:46 | 65,84  | 1175 | 15:32:21 | 70,63  | 1230 | 15:36:56 | 71,92  | 1285 | 15:41:31 | 83,29  | 1340 | 15:46:06 | 75,63  |
| 1121 | 15:27:51 | 62,32  | 1176 | 15:32:26 | 73,44  | 1231 | 15:37:01 | 71,09  | 1286 | 15:41:36 | 83,00  | 1341 | 15:46:11 | 77,82  |
| 1122 | 15:27:56 | 68,86  | 1177 | 15:32:31 | 69,97  | 1232 | 15:37:06 | 82,28  | 1287 | 15:41:41 | 83,76  | 1342 | 15:46:16 | 74,23  |
| 1123 | 15:28:01 | 68,59  | 1178 | 15:32:36 | 69,32  | 1233 | 15:37:11 | 81,53  | 1288 | 15:41:46 | 93,44  | 1343 | 15:46:21 | 74,27  |
| 1124 | 15:28:06 | 66,08  | 1179 | 15:32:41 | 76,55  | 1234 | 15:37:16 | 82,89  | 1289 | 15:41:51 | 92,53  | 1344 | 15:46:26 | 81,04  |
| 1125 | 15:28:11 | 63,59  | 1180 | 15:32:46 | 71,82  | 1235 | 15:37:21 | 75,15  | 1290 | 15:41:56 | 88,12  | 1345 | 15:46:31 | 81,74  |
| 1126 | 15:28:16 | 65,14  | 1181 | 15:32:51 | 84,66  | 1236 | 15:37:26 | 76,63  | 1291 | 15:42:01 | 89,80  | 1346 | 15:46:36 | 84,24  |
| 1127 | 15:28:21 | 67,28  | 1182 | 15:32:56 | 85,17  | 1237 | 15:37:31 | 75,80  | 1292 | 15:42:06 | 92,49  | 1347 | 15:46:41 | 92,72  |
| 1128 | 15:28:26 | 66,33  | 1183 | 15:33:01 | 70,01  | 1238 | 15:37:36 | 76,05  | 1293 | 15:42:11 | 87,10  | 1348 | 15:46:46 | 89,96  |
| 1129 | 15:28:31 | 59,89  | 1184 | 15:33:06 | 65,72  | 1239 | 15:37:41 | 74,30  | 1294 | 15:42:16 | 85,53  | 1349 | 15:46:51 | 77,20  |
| 1130 | 15:28:36 | 68,07  | 1185 | 15:33:11 | 69,03  | 1240 | 15:37:46 | 75,05  | 1295 | 15:42:21 | 82,55  | 1350 | 15:46:56 | 86,23  |
| 1131 | 15:28:41 | 71,27  | 1186 | 15:33:16 | 68,02  | 1241 | 15:37:51 | 81,59  | 1296 | 15:42:26 | 85,82  | 1351 | 15:47:01 | 79,70  |
| 1132 | 15:28:46 | 68,81  | 1187 | 15:33:21 | 68,05  | 1242 | 15:37:56 | 79,14  | 1297 | 15:42:31 | 81,83  | 1352 | 15:47:06 | 76,96  |
| 1133 | 15:28:51 | 62,87  | 1188 | 15:33:26 | 68,92  | 1243 | 15:38:01 | 78,51  | 1298 | 15:42:36 | 83,70  | 1353 | 15:47:11 | 74,85  |
| 1134 | 15:28:56 | 70,49  | 1189 | 15:33:31 | 71,92  | 1244 | 15:38:06 | 79,31  | 1299 | 15:42:41 | 91,31  | 1354 | 15:47:16 | 77,19  |
| 1135 | 15:29:01 | 79,39  | 1190 | 15:33:36 | 73,56  | 1245 | 15:38:11 | 78,34  | 1300 | 15:42:46 | 87,85  | 1355 | 15:47:21 | 76,32  |
| 1136 | 15:29:06 | 75,02  | 1191 | 15:33:41 | 74,20  | 1246 | 15:38:16 | 83,96  | 1301 | 15:42:51 | 78,15  | 1356 | 15:47:26 | 79,66  |
| 1137 | 15:29:11 | 82,85  | 1192 | 15:33:46 | 82,72  | 1247 | 15:38:21 | 82,56  | 1302 | 15:42:56 | 82,59  | 1357 | 15:47:31 | 78,19  |
| 1138 | 15:29:16 | 82,86  | 1193 | 15:33:51 | 82,43  | 1248 | 15:38:26 | 81,80  | 1303 | 15:43:01 | 86,60  | 1358 | 15:47:36 | 71,03  |
| 1139 | 15:29:21 | 65,97  | 1194 | 15:33:56 | 79,89  | 1249 | 15:38:31 | 80,23  | 1304 | 15:43:06 | 83,17  | 1359 | 15:47:41 | 85,68  |
| 1140 | 15:29:26 | 70,59  | 1195 | 15:34:01 | 80,77  | 1250 | 15:38:36 | 76,97  | 1305 | 15:43:11 | 86,24  | 1360 | 15:47:46 | 87,84  |
| 1141 | 15:29:31 | 70,81  | 1196 | 15:34:06 | 75,62  | 1251 | 15:38:41 | 75,53  | 1306 | 15:43:16 | 78,71  | 1361 | 15:47:51 | 84,43  |
| 1142 | 15:29:36 | 67,39  | 1197 | 15:34:11 | 74,06  | 1252 | 15:38:46 | 77,93  | 1307 | 15:43:21 | 81,31  | 1362 | 15:47:56 | 77,76  |
| 1143 | 15:29:41 | 62,42  | 1198 | 15:34:16 | 90,91  | 1253 | 15:38:51 | 82,96  | 1308 | 15:43:26 | 81,10  | 1363 | 15:48:01 | 75,49  |
| 1144 | 15:29:46 | 63,53  | 1199 | 15:34:21 | 87,80  | 1254 | 15:38:56 | 82,43  | 1309 | 15:43:31 | 85,88  | 1364 | 15:48:06 | 84,61  |
| 1145 | 15:29:51 | 68,30  | 1200 | 15:34:26 | 80,06  | 1255 | 15:39:01 | 79,77  | 1310 | 15:43:36 | 83,40  | 1365 | 15:48:11 | 78,87  |
| 1146 | 15:29:56 | 69,03  | 1201 | 15:34:31 | 81,15  | 1256 | 15:39:06 | 90,43  | 1311 | 15:43:41 | 81,09  | 1366 | 15:48:16 | 81,54  |
| 1147 | 15:30:01 | 62,59  | 1202 | 15:34:36 | 70,53  | 1257 | 15:39:11 | 83,27  | 1312 | 15:43:46 | 74,17  | 1367 | 15:48:21 | 85,62  |
| 1148 | 15:30:06 | 82,71  | 1203 | 15:34:41 | 73,73  | 1258 | 15:39:16 | 79,43  | 1313 | 15:43:51 | 69,88  | 1368 | 15:48:26 | 83,31  |
| 1149 | 15:30:11 | 85,77  | 1204 | 15:34:46 | 67,35  | 1259 | 15:39:21 | 82,28  | 1314 | 15:43:56 | 78,30  | 1369 | 15:48:31 | 92,36  |
| 1150 | 15:30:16 | 76,33  | 1205 | 15:34:51 | 68,53  | 1260 | 15:39:26 | 78,94  | 1315 | 15:44:01 | 82,63  | 1370 | 15:48:36 | 91,46  |
| 1151 | 15:30:21 | 69,05  | 1206 | 15:34:56 | 71,46  | 1261 | 15:39:31 | 77,07  | 1316 | 15:44:06 | 82,94  | 1371 | 15:48:41 | 89,65  |
| 1152 | 15:30:26 | 77,64  | 1207 | 15:35:01 | 69,59  | 1262 | 15:39:36 | 88,11  | 1317 | 15:44:11 | 89,72  | 1372 | 15:48:46 | 87,76  |
| 1153 | 15:30:31 | 74,40  | 1208 | 15:35:06 | 63,94  | 1263 | 15:39:41 | 92,21  | 1318 | 15:44:16 | 87,18  | 1373 | 15:48:51 | 88,16  |
| 1154 | 15:30:36 | 80,68  | 1209 | 15:35:11 | 70,43  | 1264 | 15:39:46 | 88,12  | 1319 | 15:44:21 | 75,85  | 1374 | 15:48:56 | 87,50  |
| 1155 | 15:30:41 | 77,15  | 1210 | 15:35:16 | 75,84  | 1265 | 15:39:51 | 88,41  | 1320 | 15:44:26 | 87,83  | 1375 | 15:49:01 | 84,86  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1376 | 15:49:06 | 84,53  | 1431 | 15:53:41 | 88,25  | 1486 | 15:58:16 | 85,88  | 1541 | 16:02:51 | 91,08  | 1596 | 16:07:26 | 95,62  |
| 1377 | 15:49:11 | 80,42  | 1432 | 15:53:46 | 82,91  | 1487 | 15:58:21 | 88,34  | 1542 | 16:02:56 | 80,68  | 1597 | 16:07:31 | 88,31  |
| 1378 | 15:49:16 | 86,87  | 1433 | 15:53:51 | 79,32  | 1488 | 15:58:26 | 77,97  | 1543 | 16:03:01 | 86,93  | 1598 | 16:07:36 | 95,19  |
| 1379 | 15:49:21 | 82,99  | 1434 | 15:53:56 | 73,46  | 1489 | 15:58:31 | 76,64  | 1544 | 16:03:06 | 86,95  | 1599 | 16:07:41 | 85,83  |
| 1380 | 15:49:26 | 76,20  | 1435 | 15:54:01 | 81,39  | 1490 | 15:58:36 | 81,54  | 1545 | 16:03:11 | 83,40  | 1600 | 16:07:46 | 83,81  |
| 1381 | 15:49:31 | 74,29  | 1436 | 15:54:06 | 75,32  | 1491 | 15:58:41 | 86,45  | 1546 | 16:03:16 | 80,67  | 1601 | 16:07:51 | 86,01  |
| 1382 | 15:49:36 | 77,56  | 1437 | 15:54:11 | 81,41  | 1492 | 15:58:46 | 81,75  | 1547 | 16:03:21 | 85,14  | 1602 | 16:07:56 | 85,17  |
| 1383 | 15:49:41 | 80,15  | 1438 | 15:54:16 | 86,55  | 1493 | 15:58:51 | 92,40  | 1548 | 16:03:26 | 82,31  | 1603 | 16:08:01 | 77,92  |
| 1384 | 15:49:46 | 78,68  | 1439 | 15:54:21 | 79,47  | 1494 | 15:58:56 | 87,77  | 1549 | 16:03:31 | 79,47  | 1604 | 16:08:06 | 88,36  |
| 1385 | 15:49:51 | 83,21  | 1440 | 15:54:26 | 80,13  | 1495 | 15:59:01 | 91,25  | 1550 | 16:03:36 | 83,16  | 1605 | 16:08:11 | 86,15  |
| 1386 | 15:49:56 | 76,95  | 1441 | 15:54:31 | 94,10  | 1496 | 15:59:06 | 91,81  | 1551 | 16:03:41 | 90,87  | 1606 | 16:08:16 | 86,30  |
| 1387 | 15:50:01 | 78,01  | 1442 | 15:54:36 | 88,21  | 1497 | 15:59:11 | 91,96  | 1552 | 16:03:46 | 88,86  | 1607 | 16:08:21 | 79,46  |
| 1388 | 15:50:06 | 71,56  | 1443 | 15:54:41 | 75,46  | 1498 | 15:59:16 | 93,46  | 1553 | 16:03:51 | 82,19  | 1608 | 16:08:26 | 76,48  |
| 1389 | 15:50:11 | 73,50  | 1444 | 15:54:46 | 74,11  | 1499 | 15:59:21 | 93,35  | 1554 | 16:03:56 | 88,31  | 1609 | 16:08:31 | 77,59  |
| 1390 | 15:50:16 | 75,84  | 1445 | 15:54:51 | 94,68  | 1500 | 15:59:26 | 82,21  | 1555 | 16:04:01 | 85,82  | 1610 | 16:08:36 | 81,74  |
| 1391 | 15:50:21 | 76,03  | 1446 | 15:54:56 | 88,15  | 1501 | 15:59:31 | 79,10  | 1556 | 16:04:06 | 85,70  | 1611 | 16:08:41 | 72,16  |
| 1392 | 15:50:26 | 73,18  | 1447 | 15:55:01 | 73,30  | 1502 | 15:59:36 | 87,69  | 1557 | 16:04:11 | 87,77  | 1612 | 16:08:46 | 78,48  |
| 1393 | 15:50:31 | 78,05  | 1448 | 15:55:06 | 74,20  | 1503 | 15:59:41 | 87,93  | 1558 | 16:04:16 | 85,79  | 1613 | 16:08:51 | 67,16  |
| 1394 | 15:50:36 | 75,89  | 1449 | 15:55:11 | 68,36  | 1504 | 15:59:46 | 85,08  | 1559 | 16:04:21 | 79,51  | 1614 | 16:08:56 | 76,51  |
| 1395 | 15:50:41 | 85,90  | 1450 | 15:55:16 | 83,07  | 1505 | 15:59:51 | 89,89  | 1560 | 16:04:26 | 88,87  | 1615 | 16:09:01 | 70,01  |
| 1396 | 15:50:46 | 86,41  | 1451 | 15:55:21 | 78,46  | 1506 | 15:59:56 | 88,50  | 1561 | 16:04:31 | 87,37  | 1616 | 16:09:06 | 63,84  |
| 1397 | 15:50:51 | 82,76  | 1452 | 15:55:26 | 76,88  | 1507 | 16:00:01 | 85,45  | 1562 | 16:04:36 | 94,80  | 1617 | 16:09:11 | 71,34  |
| 1398 | 15:50:56 | 83,19  | 1453 | 15:55:31 | 80,75  | 1508 | 16:00:06 | 85,20  | 1563 | 16:04:41 | 94,07  | 1618 | 16:09:16 | 84,12  |
| 1399 | 15:51:01 | 84,70  | 1454 | 15:55:36 | 75,61  | 1509 | 16:00:11 | 91,23  | 1564 | 16:04:46 | 96,87  | 1619 | 16:09:21 | 87,00  |
| 1400 | 15:51:06 | 77,09  | 1455 | 15:55:41 | 87,26  | 1510 | 16:00:16 | 87,90  | 1565 | 16:04:51 | 92,53  | 1620 | 16:09:26 | 87,56  |
| 1401 | 15:51:11 | 79,68  | 1456 | 15:55:46 | 84,90  | 1511 | 16:00:21 | 78,70  | 1566 | 16:04:56 | 94,96  | 1621 | 16:09:31 | 89,55  |
| 1402 | 15:51:16 | 82,74  | 1457 | 15:55:51 | 81,18  | 1512 | 16:00:26 | 83,22  | 1567 | 16:05:01 | 89,62  | 1622 | 16:09:36 | 89,58  |
| 1403 | 15:51:21 | 79,08  | 1458 | 15:55:56 | 83,07  | 1513 | 16:00:31 | 90,61  | 1568 | 16:05:06 | 94,82  | 1623 | 16:09:41 | 74,82  |
| 1404 | 15:51:26 | 75,59  | 1459 | 15:56:01 | 79,28  | 1514 | 16:00:36 | 93,16  | 1569 | 16:05:11 | 91,34  | 1624 | 16:09:46 | 76,16  |
| 1405 | 15:51:31 | 84,82  | 1460 | 15:56:06 | 73,89  | 1515 | 16:00:41 | 94,56  | 1570 | 16:05:16 | 87,59  | 1625 | 16:09:51 | 77,38  |
| 1406 | 15:51:36 | 81,42  | 1461 | 15:56:11 | 79,27  | 1516 | 16:00:46 | 84,16  | 1571 | 16:05:21 | 78,89  | 1626 | 16:09:56 | 81,59  |
| 1407 | 15:51:41 | 88,15  | 1462 | 15:56:16 | 78,91  | 1517 | 16:00:51 | 86,95  | 1572 | 16:05:26 | 76,85  | 1627 | 16:10:01 | 78,45  |
| 1408 | 15:51:46 | 83,30  | 1463 | 15:56:21 | 81,40  | 1518 | 16:00:56 | 88,09  | 1573 | 16:05:31 | 67,86  | 1628 | 16:10:06 | 82,20  |
| 1409 | 15:51:51 | 82,89  | 1464 | 15:56:26 | 81,55  | 1519 | 16:01:01 | 83,57  | 1574 | 16:05:36 | 89,97  | 1629 | 16:10:11 | 83,95  |
| 1410 | 15:51:56 | 90,97  | 1465 | 15:56:31 | 88,78  | 1520 | 16:01:06 | 90,79  | 1575 | 16:05:41 | 78,34  | 1630 | 16:10:16 | 89,40  |
| 1411 | 15:52:01 | 73,07  | 1466 | 15:56:36 | 85,37  | 1521 | 16:01:11 | 90,17  | 1576 | 16:05:46 | 83,60  | 1631 | 16:10:21 | 91,39  |
| 1412 | 15:52:06 | 71,83  | 1467 | 15:56:41 | 87,15  | 1522 | 16:01:16 | 85,61  | 1577 | 16:05:51 | 63,75  | 1632 | 16:10:26 | 82,26  |
| 1413 | 15:52:11 | 88,18  | 1468 | 15:56:46 | 82,33  | 1523 | 16:01:21 | 81,64  | 1578 | 16:05:56 | 85,92  | 1633 | 16:10:31 | 85,01  |
| 1414 | 15:52:16 | 84,67  | 1469 | 15:56:51 | 88,25  | 1524 | 16:01:26 | 75,53  | 1579 | 16:06:01 | 83,01  | 1634 | 16:10:36 | 83,91  |
| 1415 | 15:52:21 | 76,47  | 1470 | 15:56:56 | 86,53  | 1525 | 16:01:31 | 82,63  | 1580 | 16:06:06 | 83,10  | 1635 | 16:10:41 | 82,23  |
| 1416 | 15:52:26 | 74,76  | 1471 | 15:57:01 | 86,65  | 1526 | 16:01:36 | 80,78  | 1581 | 16:06:11 | 82,50  | 1636 | 16:10:46 | 79,54  |
| 1417 | 15:52:31 | 88,49  | 1472 | 15:57:06 | 83,74  | 1527 | 16:01:41 | 72,49  | 1582 | 16:06:16 | 90,76  | 1637 | 16:10:51 | 88,25  |
| 1418 | 15:52:36 | 79,35  | 1473 | 15:57:11 | 83,87  | 1528 | 16:01:46 | 84,81  | 1583 | 16:06:21 | 87,11  | 1638 | 16:10:56 | 87,31  |
| 1419 | 15:52:41 | 81,28  | 1474 | 15:57:16 | 83,18  | 1529 | 16:01:51 | 70,68  | 1584 | 16:06:26 | 86,44  | 1639 | 16:11:01 | 91,02  |
| 1420 | 15:52:46 | 80,25  | 1475 | 15:57:21 | 83,90  | 1530 | 16:01:56 | 85,88  | 1585 | 16:06:31 | 94,27  | 1640 | 16:11:06 | 96,70  |
| 1421 | 15:52:51 | 84,39  | 1476 | 15:57:26 | 80,20  | 1531 | 16:02:01 | 78,01  | 1586 | 16:06:36 | 91,80  | 1641 | 16:11:11 | 93,83  |
| 1422 | 15:52:56 | 75,65  | 1477 | 15:57:31 | 84,26  | 1532 | 16:02:06 | 68,77  | 1587 | 16:06:41 | 96,55  | 1642 | 16:11:16 | 87,28  |
| 1423 | 15:53:01 | 74,36  | 1478 | 15:57:36 | 79,69  | 1533 | 16:02:11 | 85,90  | 1588 | 16:06:46 | 95,37  | 1643 | 16:11:21 | 83,17  |
| 1424 | 15:53:06 | 65,80  | 1479 | 15:57:41 | 79,23  | 1534 | 16:02:16 | 79,29  | 1589 | 16:06:51 | 94,43  | 1644 | 16:11:26 | 89,80  |
| 1425 | 15:53:11 | 67,47  | 1480 | 15:57:46 | 78,87  | 1535 | 16:02:21 | 84,11  | 1590 | 16:06:56 | 93,34  | 1645 | 16:11:31 | 94,34  |
| 1426 | 15:53:16 | 73,40  | 1481 | 15:57:51 | 78,91  | 1536 | 16:02:26 | 87,51  | 1591 | 16:07:01 | 91,47  | 1646 | 16:11:36 | 91,39  |
| 1427 | 15:53:21 | 75,66  | 1482 | 15:57:56 | 71,21  | 1537 | 16:02:31 | 77,55  | 1592 | 16:07:06 | 84,65  | 1647 | 16:11:41 | 87,66  |
| 1428 | 15:53:26 | 75,88  | 1483 | 15:58:01 | 80,45  | 1538 | 16:02:36 | 85,78  | 1593 | 16:07:11 | 76,80  | 1648 | 16:11:46 | 89,44  |
| 1429 | 15:53:31 | 87,37  | 1484 | 15:58:06 | 82,92  | 1539 | 16:02:41 | 77,95  | 1594 | 16:07:16 | 83,48  | 1649 | 16:11:51 | 91,31  |
| 1430 | 15:53:36 | 90,46  | 1485 | 15:58:11 | 81,26  | 1540 | 16:02:46 | 93,81  | 1595 | 16:07:21 | 95,48  | 1650 | 16:11:56 | 93,84  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1651 | 16:12:01 | 91,25  | 1706 | 16:16:36 | 74,49  | 1761 | 16:21:11 | 77,11  | 1816 | 16:25:46 | 72,89  | 1871 | 16:30:21 | 79,14  |
| 1652 | 16:12:06 | 92,28  | 1707 | 16:16:41 | 72,70  | 1762 | 16:21:16 | 83,20  | 1817 | 16:25:51 | 81,00  | 1872 | 16:30:26 | 80,48  |
| 1653 | 16:12:11 | 91,27  | 1708 | 16:16:46 | 71,94  | 1763 | 16:21:21 | 94,30  | 1818 | 16:25:56 | 79,46  | 1873 | 16:30:31 | 82,03  |
| 1654 | 16:12:16 | 86,58  | 1709 | 16:16:51 | 65,84  | 1764 | 16:21:26 | 91,86  | 1819 | 16:26:01 | 75,72  | 1874 | 16:30:36 | 80,02  |
| 1655 | 16:12:21 | 84,48  | 1710 | 16:16:56 | 85,04  | 1765 | 16:21:31 | 73,09  | 1820 | 16:26:06 | 85,17  | 1875 | 16:30:41 | 84,97  |
| 1656 | 16:12:26 | 84,70  | 1711 | 16:17:01 | 80,64  | 1766 | 16:21:36 | 72,03  | 1821 | 16:26:11 | 80,65  | 1876 | 16:30:46 | 83,12  |
| 1657 | 16:12:31 | 95,37  | 1712 | 16:17:06 | 82,07  | 1767 | 16:21:41 | 88,06  | 1822 | 16:26:16 | 75,65  | 1877 | 16:30:51 | 70,79  |
| 1658 | 16:12:36 | 95,72  | 1713 | 16:17:11 | 80,69  | 1768 | 16:21:46 | 78,71  | 1823 | 16:26:21 | 70,82  | 1878 | 16:30:56 | 79,30  |
| 1659 | 16:12:41 | 92,43  | 1714 | 16:17:16 | 76,50  | 1769 | 16:21:51 | 78,25  | 1824 | 16:26:26 | 65,81  | 1879 | 16:31:01 | 78,51  |
| 1660 | 16:12:46 | 90,55  | 1715 | 16:17:21 | 76,95  | 1770 | 16:21:56 | 80,69  | 1825 | 16:26:31 | 82,55  | 1880 | 16:31:06 | 82,99  |
| 1661 | 16:12:51 | 90,80  | 1716 | 16:17:26 | 73,26  | 1771 | 16:22:01 | 88,78  | 1826 | 16:26:36 | 76,57  | 1881 | 16:31:11 | 83,21  |
| 1662 | 16:12:56 | 80,39  | 1717 | 16:17:31 | 73,49  | 1772 | 16:22:06 | 83,32  | 1827 | 16:26:41 | 79,53  | 1882 | 16:31:16 | 81,63  |
| 1663 | 16:13:01 | 83,91  | 1718 | 16:17:36 | 76,10  | 1773 | 16:22:11 | 82,35  | 1828 | 16:26:46 | 80,64  | 1883 | 16:31:21 | 86,56  |
| 1664 | 16:13:06 | 81,50  | 1719 | 16:17:41 | 65,74  | 1774 | 16:22:16 | 76,70  | 1829 | 16:26:51 | 88,70  | 1884 | 16:31:26 | 79,17  |
| 1665 | 16:13:11 | 80,86  | 1720 | 16:17:46 | 78,75  | 1775 | 16:22:21 | 78,39  | 1830 | 16:26:56 | 78,96  | 1885 | 16:31:31 | 75,74  |
| 1666 | 16:13:16 | 78,97  | 1721 | 16:17:51 | 82,66  | 1776 | 16:22:26 | 73,18  | 1831 | 16:27:01 | 83,01  | 1886 | 16:31:36 | 78,29  |
| 1667 | 16:13:21 | 82,87  | 1722 | 16:17:56 | 85,48  | 1777 | 16:22:31 | 89,32  | 1832 | 16:27:06 | 88,45  | 1887 | 16:31:41 | 72,74  |
| 1668 | 16:13:26 | 84,88  | 1723 | 16:18:01 | 87,89  | 1778 | 16:22:36 | 88,93  | 1833 | 16:27:11 | 89,44  | 1888 | 16:31:46 | 84,31  |
| 1669 | 16:13:31 | 83,09  | 1724 | 16:18:06 | 84,93  | 1779 | 16:22:41 | 81,38  | 1834 | 16:27:16 | 84,60  | 1889 | 16:31:51 | 82,26  |
| 1670 | 16:13:36 | 82,90  | 1725 | 16:18:11 | 73,44  | 1780 | 16:22:46 | 77,42  | 1835 | 16:27:21 | 78,81  | 1890 | 16:31:56 | 74,24  |
| 1671 | 16:13:41 | 79,62  | 1726 | 16:18:16 | 78,10  | 1781 | 16:22:51 | 87,96  | 1836 | 16:27:26 | 89,49  | 1891 | 16:32:01 | 78,07  |
| 1672 | 16:13:46 | 85,93  | 1727 | 16:18:21 | 76,98  | 1782 | 16:22:56 | 85,42  | 1837 | 16:27:31 | 86,36  | 1892 | 16:32:06 | 64,99  |
| 1673 | 16:13:51 | 89,25  | 1728 | 16:18:26 | 66,44  | 1783 | 16:23:01 | 83,67  | 1838 | 16:27:36 | 89,47  | 1893 | 16:32:11 | 83,92  |
| 1674 | 16:13:56 | 78,54  | 1729 | 16:18:31 | 65,36  | 1784 | 16:23:06 | 78,53  | 1839 | 16:27:41 | 87,18  | 1894 | 16:32:16 | 76,99  |
| 1675 | 16:14:01 | 84,28  | 1730 | 16:18:36 | 74,04  | 1785 | 16:23:11 | 75,22  | 1840 | 16:27:46 | 80,35  | 1895 | 16:32:21 | 79,65  |
| 1676 | 16:14:06 | 86,14  | 1731 | 16:18:41 | 73,03  | 1786 | 16:23:16 | 80,83  | 1841 | 16:27:51 | 74,62  | 1896 | 16:32:26 | 73,37  |
| 1677 | 16:14:11 | 85,65  | 1732 | 16:18:46 | 78,77  | 1787 | 16:23:21 | 92,51  | 1842 | 16:27:56 | 75,81  | 1897 | 16:32:31 | 77,62  |
| 1678 | 16:14:16 | 81,76  | 1733 | 16:18:51 | 71,28  | 1788 | 16:23:26 | 87,92  | 1843 | 16:28:01 | 75,20  | 1898 | 16:32:36 | 80,42  |
| 1679 | 16:14:21 | 69,55  | 1734 | 16:18:56 | 78,69  | 1789 | 16:23:31 | 85,94  | 1844 | 16:28:06 | 73,40  | 1899 | 16:32:41 | 85,48  |
| 1680 | 16:14:26 | 80,52  | 1735 | 16:19:01 | 73,87  | 1790 | 16:23:36 | 86,92  | 1845 | 16:28:11 | 71,34  | 1900 | 16:32:46 | 84,98  |
| 1681 | 16:14:31 | 74,31  | 1736 | 16:19:06 | 73,13  | 1791 | 16:23:41 | 81,17  | 1846 | 16:28:16 | 71,29  | 1901 | 16:32:51 | 80,27  |
| 1682 | 16:14:36 | 87,93  | 1737 | 16:19:11 | 76,88  | 1792 | 16:23:46 | 78,34  | 1847 | 16:28:21 | 66,96  | 1902 | 16:32:56 | 79,23  |
| 1683 | 16:14:41 | 92,55  | 1738 | 16:19:16 | 82,79  | 1793 | 16:23:51 | 84,45  | 1848 | 16:28:26 | 75,87  | 1903 | 16:33:01 | 75,87  |
| 1684 | 16:14:46 | 88,01  | 1739 | 16:19:21 | 84,79  | 1794 | 16:23:56 | 80,96  | 1849 | 16:28:31 | 88,38  | 1904 | 16:33:06 | 82,80  |
| 1685 | 16:14:51 | 89,60  | 1740 | 16:19:26 | 91,01  | 1795 | 16:24:01 | 73,76  | 1850 | 16:28:36 | 76,54  | 1905 | 16:33:11 | 93,46  |
| 1686 | 16:14:56 | 84,36  | 1741 | 16:19:31 | 87,35  | 1796 | 16:24:06 | 62,91  | 1851 | 16:28:41 | 72,62  | 1906 | 16:33:16 | 86,81  |
| 1687 | 16:15:01 | 84,68  | 1742 | 16:19:36 | 87,26  | 1797 | 16:24:11 | 84,40  | 1852 | 16:28:46 | 77,65  | 1907 | 16:33:21 | 81,70  |
| 1688 | 16:15:06 | 80,48  | 1743 | 16:19:41 | 82,71  | 1798 | 16:24:16 | 88,83  | 1853 | 16:28:51 | 72,79  | 1908 | 16:33:26 | 74,99  |
| 1689 | 16:15:11 | 76,82  | 1744 | 16:19:46 | 77,30  | 1799 | 16:24:21 | 75,11  | 1854 | 16:28:56 | 74,35  | 1909 | 16:33:31 | 70,28  |
| 1690 | 16:15:16 | 86,06  | 1745 | 16:19:51 | 78,40  | 1800 | 16:24:26 | 88,76  | 1855 | 16:29:01 | 80,56  | 1910 | 16:33:36 | 86,87  |
| 1691 | 16:15:21 | 86,84  | 1746 | 16:19:56 | 77,60  | 1801 | 16:24:31 | 88,93  | 1856 | 16:29:06 | 81,61  | 1911 | 16:33:41 | 84,19  |
| 1692 | 16:15:26 | 80,91  | 1747 | 16:20:01 | 70,55  | 1802 | 16:24:36 | 83,10  | 1857 | 16:29:11 | 81,19  | 1912 | 16:33:46 | 84,32  |
| 1693 | 16:15:31 | 86,69  | 1748 | 16:20:06 | 86,99  | 1803 | 16:24:41 | 82,11  | 1858 | 16:29:16 | 75,87  | 1913 | 16:33:51 | 74,67  |
| 1694 | 16:15:36 | 79,36  | 1749 | 16:20:11 | 92,36  | 1804 | 16:24:46 | 84,85  | 1859 | 16:29:21 | 80,75  | 1914 | 16:33:56 | 83,40  |
| 1695 | 16:15:41 | 89,25  | 1750 | 16:20:16 | 92,29  | 1805 | 16:24:51 | 87,19  | 1860 | 16:29:26 | 80,60  | 1915 | 16:34:01 | 78,76  |
| 1696 | 16:15:46 | 90,81  | 1751 | 16:20:21 | 89,68  | 1806 | 16:24:56 | 85,99  | 1861 | 16:29:31 | 85,98  | 1916 | 16:34:06 | 66,29  |
| 1697 | 16:15:51 | 85,86  | 1752 | 16:20:26 | 91,08  | 1807 | 16:25:01 | 86,73  | 1862 | 16:29:36 | 87,60  | 1917 | 16:34:11 | 72,69  |
| 1698 | 16:15:56 | 84,75  | 1753 | 16:20:31 | 87,23  | 1808 | 16:25:06 | 85,21  | 1863 | 16:29:41 | 86,22  | 1918 | 16:34:16 | 76,15  |
| 1699 | 16:16:01 | 86,20  | 1754 | 16:20:36 | 85,44  | 1809 | 16:25:11 | 81,47  | 1864 | 16:29:46 | 81,15  | 1919 | 16:34:21 | 84,70  |
| 1700 | 16:16:06 | 90,16  | 1755 | 16:20:41 | 87,89  | 1810 | 16:25:16 | 84,47  | 1865 | 16:29:51 | 81,43  | 1920 | 16:34:26 | 89,75  |
| 1701 | 16:16:11 | 90,00  | 1756 | 16:20:46 | 90,84  | 1811 | 16:25:21 | 73,38  | 1866 | 16:29:56 | 83,94  | 1921 | 16:34:31 | 88,15  |
| 1702 | 16:16:16 | 80,26  | 1757 | 16:20:51 | 81,89  | 1812 | 16:25:26 | 76,31  | 1867 | 16:30:01 | 80,49  | 1922 | 16:34:36 | 78,71  |
| 1703 | 16:16:21 | 72,01  | 1758 | 16:20:56 | 74,89  | 1813 | 16:25:31 | 72,67  | 1868 | 16:30:06 | 78,36  | 1923 | 16:34:41 | 74,89  |
| 1704 | 16:16:26 | 88,75  | 1759 | 16:21:01 | 78,42  | 1814 | 16:25:36 | 72,53  | 1869 | 16:30:11 | 79,84  | 1924 | 16:34:46 | 79,58  |
| 1705 | 16:16:31 | 76,43  | 1760 | 16:21:06 | 86,38  | 1815 | 16:25:41 | 68,74  | 1870 | 16:30:16 | 82,59  | 1925 | 16:34:51 | 81,25  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032000436*

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1926 | 16:34:56 | 79,52  | 1981 | 16:39:31 | 77,67  | 2036 | 16:44:06 | 84,28  | 2091 | 16:48:41 | 69,67  | 2146 | 16:53:16 | 60,19  |
| 1927 | 16:35:01 | 79,36  | 1982 | 16:39:36 | 80,38  | 2037 | 16:44:11 | 79,52  | 2092 | 16:48:46 | 60,02  | 2147 | 16:53:21 | 62,61  |
| 1928 | 16:35:06 | 66,57  | 1983 | 16:39:41 | 79,48  | 2038 | 16:44:16 | 73,19  | 2093 | 16:48:51 | 62,35  | 2148 | 16:53:26 | 59,66  |
| 1929 | 16:35:11 | 77,87  | 1984 | 16:39:46 | 82,30  | 2039 | 16:44:21 | 82,81  | 2094 | 16:48:56 | 72,48  | 2149 | 16:53:31 | 59,20  |
| 1930 | 16:35:16 | 72,09  | 1985 | 16:39:51 | 68,81  | 2040 | 16:44:26 | 78,20  | 2095 | 16:49:01 | 63,17  | 2150 | 16:53:36 | 54,70  |
| 1931 | 16:35:21 | 89,48  | 1986 | 16:39:56 | 83,71  | 2041 | 16:44:31 | 75,60  | 2096 | 16:49:06 | 60,55  | 2151 | 16:53:41 | 57,76  |
| 1932 | 16:35:26 | 80,39  | 1987 | 16:40:01 | 88,78  | 2042 | 16:44:36 | 88,83  | 2097 | 16:49:11 | 59,07  | 2152 | 16:53:46 | 57,08  |
| 1933 | 16:35:31 | 81,87  | 1988 | 16:40:06 | 88,10  | 2043 | 16:44:41 | 90,48  | 2098 | 16:49:16 | 57,94  | 2153 | 16:53:51 | 60,38  |
| 1934 | 16:35:36 | 79,22  | 1989 | 16:40:11 | 84,95  | 2044 | 16:44:46 | 89,55  | 2099 | 16:49:21 | 53,90  | 2154 | 16:53:56 | 56,89  |
| 1935 | 16:35:41 | 74,15  | 1990 | 16:40:16 | 83,09  | 2045 | 16:44:51 | 76,89  | 2100 | 16:49:26 | 61,89  | 2155 | 16:54:01 | 61,21  |
| 1936 | 16:35:46 | 70,17  | 1991 | 16:40:21 | 88,87  | 2046 | 16:44:56 | 72,98  | 2101 | 16:49:31 | 66,91  | 2156 | 16:54:06 | 63,25  |
| 1937 | 16:35:51 | 80,58  | 1992 | 16:40:26 | 83,31  | 2047 | 16:45:01 | 79,35  | 2102 | 16:49:36 | 64,67  | 2157 | 16:54:11 | 62,60  |
| 1938 | 16:35:56 | 83,63  | 1993 | 16:40:31 | 77,48  | 2048 | 16:45:06 | 74,05  | 2103 | 16:49:41 | 63,54  | 2158 | 16:54:16 | 60,74  |
| 1939 | 16:36:01 | 89,27  | 1994 | 16:40:36 | 83,08  | 2049 | 16:45:11 | 86,80  | 2104 | 16:49:46 | 60,01  | 2159 | 16:54:21 | 53,86  |
| 1940 | 16:36:06 | 80,81  | 1995 | 16:40:41 | 87,38  | 2050 | 16:45:16 | 87,75  | 2105 | 16:49:51 | 65,12  | 2160 | 16:54:26 | 58,87  |
| 1941 | 16:36:11 | 88,61  | 1996 | 16:40:46 | 80,20  | 2051 | 16:45:21 | 88,31  | 2106 | 16:49:56 | 62,92  | 2161 | 16:54:31 | 59,62  |
| 1942 | 16:36:16 | 96,60  | 1997 | 16:40:51 | 78,04  | 2052 | 16:45:26 | 78,94  | 2107 | 16:50:01 | 63,16  | 2162 | 16:54:36 | 56,03  |
| 1943 | 16:36:21 | 87,26  | 1998 | 16:40:56 | 75,28  | 2053 | 16:45:31 | 82,09  | 2108 | 16:50:06 | 59,72  | 2163 | 16:54:41 | 59,18  |
| 1944 | 16:36:26 | 90,72  | 1999 | 16:41:01 | 71,49  | 2054 | 16:45:36 | 76,89  | 2109 | 16:50:11 | 61,59  | 2164 | 16:54:46 | 59,14  |
| 1945 | 16:36:31 | 87,20  | 2000 | 16:41:06 | 84,38  | 2055 | 16:45:41 | 74,81  | 2110 | 16:50:16 | 62,13  | 2165 | 16:54:51 | 60,95  |
| 1946 | 16:36:36 | 81,49  | 2001 | 16:41:11 | 81,56  | 2056 | 16:45:46 | 72,50  | 2111 | 16:50:21 | 56,80  | 2166 | 16:54:56 | 69,37  |
| 1947 | 16:36:41 | 77,75  | 2002 | 16:41:16 | 84,94  | 2057 | 16:45:51 | 81,77  | 2112 | 16:50:26 | 63,96  | 2167 | 16:55:01 | 66,88  |
| 1948 | 16:36:46 | 82,15  | 2003 | 16:41:21 | 78,47  | 2058 | 16:45:56 | 86,07  | 2113 | 16:50:31 | 62,00  | 2168 | 16:55:06 | 58,70  |
| 1949 | 16:36:51 | 85,17  | 2004 | 16:41:26 | 71,56  | 2059 | 16:46:01 | 76,07  | 2114 | 16:50:36 | 60,24  | 2169 | 16:55:11 | 62,37  |
| 1950 | 16:36:56 | 89,23  | 2005 | 16:41:31 | 65,95  | 2060 | 16:46:06 | 84,16  | 2115 | 16:50:41 | 66,99  | 2170 | 16:55:16 | 60,42  |
| 1951 | 16:37:01 | 85,27  | 2006 | 16:41:36 | 73,13  | 2061 | 16:46:11 | 78,54  | 2116 | 16:50:46 | 68,91  | 2171 | 16:55:21 | 54,71  |
| 1952 | 16:37:06 | 79,75  | 2007 | 16:41:41 | 76,90  | 2062 | 16:46:16 | 69,62  | 2117 | 16:50:51 | 66,96  | 2172 | 16:55:26 | 56,46  |
| 1953 | 16:37:11 | 85,86  | 2008 | 16:41:46 | 66,30  | 2063 | 16:46:21 | 82,79  | 2118 | 16:50:56 | 60,51  | 2173 | 16:55:31 | 52,91  |
| 1954 | 16:37:16 | 80,26  | 2009 | 16:41:51 | 89,08  | 2064 | 16:46:26 | 70,52  | 2119 | 16:51:01 | 57,29  | 2174 | 16:55:36 | 54,05  |
| 1955 | 16:37:21 | 82,05  | 2010 | 16:41:56 | 85,52  | 2065 | 16:46:31 | 66,25  | 2120 | 16:51:06 | 55,14  | 2175 | 16:55:41 | 52,88  |
| 1956 | 16:37:26 | 84,45  | 2011 | 16:42:01 | 76,98  | 2066 | 16:46:36 | 67,02  | 2121 | 16:51:11 | 57,24  | 2176 | 16:55:46 | 65,30  |
| 1957 | 16:37:31 | 72,60  | 2012 | 16:42:06 | 91,57  | 2067 | 16:46:41 | 62,89  | 2122 | 16:51:16 | 49,94  | 2177 | 16:55:51 | 58,09  |
| 1958 | 16:37:36 | 64,18  | 2013 | 16:42:11 | 82,93  | 2068 | 16:46:46 | 63,82  | 2123 | 16:51:21 | 51,58  | 2178 | 16:55:56 | 55,13  |
| 1959 | 16:37:41 | 83,31  | 2014 | 16:42:16 | 68,33  | 2069 | 16:46:51 | 63,36  | 2124 | 16:51:26 | 54,96  | 2179 | 16:56:01 | 60,56  |
| 1960 | 16:37:46 | 87,33  | 2015 | 16:42:21 | 69,84  | 2070 | 16:46:56 | 67,05  | 2125 | 16:51:31 | 53,15  | 2180 | 16:56:06 | 64,35  |
| 1961 | 16:37:51 | 91,02  | 2016 | 16:42:26 | 85,90  | 2071 | 16:47:01 | 62,27  | 2126 | 16:51:36 | 53,36  | 2181 | 16:56:11 | 57,65  |
| 1962 | 16:37:56 | 84,38  | 2017 | 16:42:31 | 83,14  | 2072 | 16:47:06 | 63,46  | 2127 | 16:51:41 | 59,36  | 2182 | 16:56:16 | 52,45  |
| 1963 | 16:38:01 | 77,36  | 2018 | 16:42:36 | 79,20  | 2073 | 16:47:11 | 59,83  | 2128 | 16:51:46 | 61,61  | 2183 | 16:56:21 | 53,42  |
| 1964 | 16:38:06 | 77,48  | 2019 | 16:42:41 | 76,55  | 2074 | 16:47:16 | 58,67  | 2129 | 16:51:51 | 54,23  | 2184 | 16:56:26 | 56,46  |
| 1965 | 16:38:11 | 73,44  | 2020 | 16:42:46 | 73,44  | 2075 | 16:47:21 | 65,83  | 2130 | 16:51:56 | 55,46  | 2185 | 16:56:31 | 55,84  |
| 1966 | 16:38:16 | 82,09  | 2021 | 16:42:51 | 83,18  | 2076 | 16:47:26 | 59,69  | 2131 | 16:52:01 | 70,76  | 2186 | 16:56:36 | 50,06  |
| 1967 | 16:38:21 | 74,32  | 2022 | 16:42:56 | 78,87  | 2077 | 16:47:31 | 61,07  | 2132 | 16:52:06 | 60,54  | 2187 | 16:56:41 | 49,63  |
| 1968 | 16:38:26 | 79,35  | 2023 | 16:43:01 | 82,63  | 2078 | 16:47:36 | 72,23  | 2133 | 16:52:11 | 55,43  | 2188 | 16:56:46 | 50,78  |
| 1969 | 16:38:31 | 81,42  | 2024 | 16:43:06 | 82,52  | 2079 | 16:47:41 | 90,49  | 2134 | 16:52:16 | 54,17  | 2189 | 16:56:51 | 49,58  |
| 1970 | 16:38:36 | 90,60  | 2025 | 16:43:11 | 79,79  | 2080 | 16:47:46 | 103,40 | 2135 | 16:52:21 | 55,55  | 2190 | 16:56:56 | 50,13  |
| 1971 | 16:38:41 | 83,64  | 2026 | 16:43:16 | 75,51  | 2081 | 16:47:51 | 103,32 | 2136 | 16:52:26 | 60,13  | 2191 | 16:57:01 | 49,49  |
| 1972 | 16:38:46 | 90,63  | 2027 | 16:43:21 | 67,72  | 2082 | 16:47:56 | 83,97  | 2137 | 16:52:31 | 55,92  | 2192 | 16:57:06 | 48,19  |
| 1973 | 16:38:51 | 92,00  | 2028 | 16:43:26 | 65,44  | 2083 | 16:48:01 | 64,73  | 2138 | 16:52:36 | 58,36  | 2193 | 16:57:11 | 48,17  |
| 1974 | 16:38:56 | 82,64  | 2029 | 16:43:31 | 70,14  | 2084 | 16:48:06 | 62,50  | 2139 | 16:52:41 | 57,09  | 2194 | 16:57:16 | 50,16  |
| 1975 | 16:39:01 | 79,50  | 2030 | 16:43:36 | 75,66  | 2085 | 16:48:11 | 73,37  | 2140 | 16:52:46 | 54,63  | 2195 | 16:57:21 | 53,19  |
| 1976 | 16:39:06 | 82,02  | 2031 | 16:43:41 | 86,96  | 2086 | 16:48:16 | 78,46  | 2141 | 16:52:51 | 61,27  | 2196 | 16:57:26 | 59,67  |
| 1977 | 16:39:11 | 82,55  | 2032 | 16:43:46 | 82,03  | 2087 | 16:48:21 | 80,11  | 2142 | 16:52:56 | 60,32  | 2197 | 16:57:31 | 58,73  |
| 1978 | 16:39:16 | 76,92  | 2033 | 16:43:51 | 74,84  | 2088 | 16:48:26 | 78,69  | 2143 | 16:53:01 | 58,68  | 2198 | 16:57:36 | 57,57  |
| 1979 | 16:39:21 | 73,27  | 2034 | 16:43:56 | 78,50  | 2089 | 16:48:31 | 79,66  | 2144 | 16:53:06 | 58,13  | 2199 | 16:57:41 | 55,95  |
| 1980 | 16:39:26 | 69,35  | 2035 | 16:44:01 | 83,32  | 2090 | 16:48:36 | 73,01  | 2145 | 16:53:11 | 53,32  | 2200 | 16:57:46 | 53,70  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 2201 | 16:57:51 | 62,36  | 2256 | 17:02:26 | 52,92  | 2311 | 17:07:01 | 56,78  | 2366 | 17:11:36 | 50,77  | 2421 | 17:16:11 | 49,92  |
| 2202 | 16:57:56 | 56,51  | 2257 | 17:02:31 | 49,25  | 2312 | 17:07:06 | 55,29  | 2367 | 17:11:41 | 51,29  | 2422 | 17:16:16 | 48,98  |
| 2203 | 16:58:01 | 61,80  | 2258 | 17:02:36 | 48,21  | 2313 | 17:07:11 | 56,03  | 2368 | 17:11:46 | 48,37  | 2423 | 17:16:21 | 46,79  |
| 2204 | 16:58:06 | 58,22  | 2259 | 17:02:41 | 50,17  | 2314 | 17:07:16 | 56,05  | 2369 | 17:11:51 | 51,71  | 2424 | 17:16:26 | 49,40  |
| 2205 | 16:58:11 | 53,32  | 2260 | 17:02:46 | 52,43  | 2315 | 17:07:21 | 53,08  | 2370 | 17:11:56 | 48,50  | 2425 | 17:16:31 | 48,50  |
| 2206 | 16:58:16 | 50,38  | 2261 | 17:02:51 | 51,30  | 2316 | 17:07:26 | 49,13  | 2371 | 17:12:01 | 46,88  | 2426 | 17:16:36 | 51,36  |
| 2207 | 16:58:21 | 54,79  | 2262 | 17:02:56 | 46,38  | 2317 | 17:07:31 | 47,53  | 2372 | 17:12:06 | 52,69  | 2427 | 17:16:41 | 52,36  |
| 2208 | 16:58:26 | 57,57  | 2263 | 17:03:01 | 46,99  | 2318 | 17:07:36 | 51,97  | 2373 | 17:12:11 | 45,35  | 2428 | 17:16:46 | 50,73  |
| 2209 | 16:58:31 | 55,34  | 2264 | 17:03:06 | 52,06  | 2319 | 17:07:41 | 51,63  | 2374 | 17:12:16 | 45,27  | 2429 | 17:16:51 | 52,14  |
| 2210 | 16:58:36 | 55,08  | 2265 | 17:03:11 | 48,88  | 2320 | 17:07:46 | 48,99  | 2375 | 17:12:21 | 46,36  | 2430 | 17:16:56 | 56,43  |
| 2211 | 16:58:41 | 58,16  | 2266 | 17:03:16 | 48,28  | 2321 | 17:07:51 | 47,29  | 2376 | 17:12:26 | 49,53  | 2431 | 17:17:01 | 53,58  |
| 2212 | 16:58:46 | 66,29  | 2267 | 17:03:21 | 54,06  | 2322 | 17:07:56 | 47,99  | 2377 | 17:12:31 | 44,47  | 2432 | 17:17:06 | 52,40  |
| 2213 | 16:58:51 | 52,84  | 2268 | 17:03:26 | 52,82  | 2323 | 17:08:01 | 48,22  | 2378 | 17:12:36 | 45,25  | 2433 | 17:17:11 | 48,62  |
| 2214 | 16:58:56 | 49,98  | 2269 | 17:03:31 | 51,74  | 2324 | 17:08:06 | 52,73  | 2379 | 17:12:41 | 45,05  | 2434 | 17:17:16 | 47,60  |
| 2215 | 16:59:01 | 49,67  | 2270 | 17:03:36 | 51,42  | 2325 | 17:08:11 | 58,37  | 2380 | 17:12:46 | 46,11  | 2435 | 17:17:21 | 45,31  |
| 2216 | 16:59:06 | 50,40  | 2271 | 17:03:41 | 49,40  | 2326 | 17:08:16 | 60,31  | 2381 | 17:12:51 | 47,31  | 2436 | 17:17:26 | 49,77  |
| 2217 | 16:59:11 | 54,63  | 2272 | 17:03:46 | 48,98  | 2327 | 17:08:21 | 60,25  | 2382 | 17:12:56 | 54,47  | 2437 | 17:17:31 | 55,80  |
| 2218 | 16:59:16 | 56,10  | 2273 | 17:03:51 | 51,69  | 2328 | 17:08:26 | 63,55  | 2383 | 17:13:01 | 50,69  | 2438 | 17:17:36 | 65,24  |
| 2219 | 16:59:21 | 60,01  | 2274 | 17:03:56 | 49,30  | 2329 | 17:08:31 | 55,37  | 2384 | 17:13:06 | 48,78  | 2439 | 17:17:41 | 57,30  |
| 2220 | 16:59:26 | 58,26  | 2275 | 17:04:01 | 49,75  | 2330 | 17:08:36 | 53,86  | 2385 | 17:13:11 | 52,44  | 2440 | 17:17:46 | 59,80  |
| 2221 | 16:59:31 | 60,45  | 2276 | 17:04:06 | 52,62  | 2331 | 17:08:41 | 61,70  | 2386 | 17:13:16 | 48,98  | 2441 | 17:17:51 | 57,05  |
| 2222 | 16:59:36 | 55,34  | 2277 | 17:04:11 | 58,75  | 2332 | 17:08:46 | 51,21  | 2387 | 17:13:21 | 50,84  | 2442 | 17:17:56 | 52,08  |
| 2223 | 16:59:41 | 60,83  | 2278 | 17:04:16 | 63,72  | 2333 | 17:08:51 | 48,75  | 2388 | 17:13:26 | 54,73  | 2443 | 17:18:01 | 58,32  |
| 2224 | 16:59:46 | 56,94  | 2279 | 17:04:21 | 56,76  | 2334 | 17:08:56 | 49,01  | 2389 | 17:13:31 | 48,09  | 2444 | 17:18:06 | 59,79  |
| 2225 | 16:59:51 | 51,86  | 2280 | 17:04:26 | 50,34  | 2335 | 17:09:01 | 48,60  | 2390 | 17:13:36 | 47,97  | 2445 | 17:18:11 | 51,87  |
| 2226 | 16:59:56 | 49,84  | 2281 | 17:04:31 | 51,44  | 2336 | 17:09:06 | 47,30  | 2391 | 17:13:41 | 48,77  | 2446 | 17:18:16 | 49,02  |
| 2227 | 17:00:01 | 50,75  | 2282 | 17:04:36 | 49,81  | 2337 | 17:09:11 | 46,74  | 2392 | 17:13:46 | 52,66  | 2447 | 17:18:21 | 48,15  |
| 2228 | 17:00:06 | 59,61  | 2283 | 17:04:41 | 48,07  | 2338 | 17:09:16 | 46,97  | 2393 | 17:13:51 | 54,69  | 2448 | 17:18:26 | 45,62  |
| 2229 | 17:00:11 | 61,51  | 2284 | 17:04:46 | 47,21  | 2339 | 17:09:21 | 47,47  | 2394 | 17:13:56 | 50,25  | 2449 | 17:18:31 | 44,68  |
| 2230 | 17:00:16 | 59,68  | 2285 | 17:04:51 | 69,17  | 2340 | 17:09:26 | 47,65  | 2395 | 17:14:01 | 49,57  | 2450 | 17:18:36 | 48,38  |
| 2231 | 17:00:21 | 57,10  | 2286 | 17:04:56 | 55,23  | 2341 | 17:09:31 | 46,80  | 2396 | 17:14:06 | 50,89  | 2451 | 17:18:41 | 53,03  |
| 2232 | 17:00:26 | 61,20  | 2287 | 17:05:01 | 55,91  | 2342 | 17:09:36 | 46,59  | 2397 | 17:14:11 | 52,89  | 2452 | 17:18:46 | 48,80  |
| 2233 | 17:00:31 | 61,78  | 2288 | 17:05:06 | 56,23  | 2343 | 17:09:41 | 50,56  | 2398 | 17:14:16 | 49,87  | 2453 | 17:18:51 | 50,73  |
| 2234 | 17:00:36 | 58,41  | 2289 | 17:05:11 | 49,61  | 2344 | 17:09:46 | 54,86  | 2399 | 17:14:21 | 50,79  | 2454 | 17:18:56 | 58,72  |
| 2235 | 17:00:41 | 49,66  | 2290 | 17:05:16 | 49,32  | 2345 | 17:09:51 | 51,63  | 2400 | 17:14:26 | 57,37  | 2455 | 17:19:01 | 57,38  |
| 2236 | 17:00:46 | 50,41  | 2291 | 17:05:21 | 49,98  | 2346 | 17:09:56 | 47,18  | 2401 | 17:14:31 | 56,97  | 2456 | 17:19:06 | 58,26  |
| 2237 | 17:00:51 | 49,62  | 2292 | 17:05:26 | 51,77  | 2347 | 17:10:01 | 46,64  | 2402 | 17:14:36 | 51,28  | 2457 | 17:19:11 | 53,95  |
| 2238 | 17:00:56 | 60,65  | 2293 | 17:05:31 | 59,14  | 2348 | 17:10:06 | 45,56  | 2403 | 17:14:41 | 51,26  | 2458 | 17:19:16 | 58,20  |
| 2239 | 17:01:01 | 51,01  | 2294 | 17:05:36 | 56,57  | 2349 | 17:10:11 | 49,42  | 2404 | 17:14:46 | 50,40  | 2459 | 17:19:21 | 57,43  |
| 2240 | 17:01:06 | 50,54  | 2295 | 17:05:41 | 51,18  | 2350 | 17:10:16 | 53,89  | 2405 | 17:14:51 | 49,55  | 2460 | 17:19:26 | 52,50  |
| 2241 | 17:01:11 | 54,71  | 2296 | 17:05:46 | 51,18  | 2351 | 17:10:21 | 52,21  | 2406 | 17:14:56 | 50,42  | 2461 | 17:19:31 | 53,72  |
| 2242 | 17:01:16 | 53,52  | 2297 | 17:05:51 | 49,67  | 2352 | 17:10:26 | 50,26  | 2407 | 17:15:01 | 57,06  | 2462 | 17:19:36 | 53,73  |
| 2243 | 17:01:21 | 56,47  | 2298 | 17:05:56 | 53,69  | 2353 | 17:10:31 | 52,19  | 2408 | 17:15:06 | 53,53  | 2463 | 17:19:41 | 54,14  |
| 2244 | 17:01:26 | 50,76  | 2299 | 17:06:01 | 53,35  | 2354 | 17:10:36 | 51,68  | 2409 | 17:15:11 | 47,38  | 2464 | 17:19:46 | 50,32  |
| 2245 | 17:01:31 | 52,44  | 2300 | 17:06:06 | 49,08  | 2355 | 17:10:41 | 46,44  | 2410 | 17:15:16 | 47,33  | 2465 | 17:19:51 | 48,01  |
| 2246 | 17:01:36 | 50,06  | 2301 | 17:06:11 | 49,01  | 2356 | 17:10:46 | 48,56  | 2411 | 17:15:21 | 51,43  | 2466 | 17:19:56 | 47,56  |
| 2247 | 17:01:41 | 53,32  | 2302 | 17:06:16 | 50,28  | 2357 | 17:10:51 | 53,74  | 2412 | 17:15:26 | 48,82  | 2467 | 17:20:01 | 51,48  |
| 2248 | 17:01:46 | 53,70  | 2303 | 17:06:21 | 47,80  | 2358 | 17:10:56 | 55,22  | 2413 | 17:15:31 | 51,87  | 2468 | 17:20:06 | 57,18  |
| 2249 | 17:01:51 | 53,50  | 2304 | 17:06:26 | 49,22  | 2359 | 17:11:01 | 53,29  | 2414 | 17:15:36 | 53,36  | 2469 | 17:20:11 | 54,14  |
| 2250 | 17:01:56 | 51,95  | 2305 | 17:06:31 | 53,65  | 2360 | 17:11:06 | 58,22  | 2415 | 17:15:41 | 52,07  | 2470 | 17:20:16 | 48,96  |
| 2251 | 17:02:01 | 51,08  | 2306 | 17:06:36 | 48,08  | 2361 | 17:11:11 | 54,04  | 2416 | 17:15:46 | 47,85  | 2471 | 17:20:21 | 57,11  |
| 2252 | 17:02:06 | 58,83  | 2307 | 17:06:41 | 49,65  | 2362 | 17:11:16 | 47,78  | 2417 | 17:15:51 | 45,35  | 2472 | 17:20:26 | 55,46  |
| 2253 | 17:02:11 | 51,96  | 2308 | 17:06:46 | 48,14  | 2363 | 17:11:21 | 51,86  | 2418 | 17:15:56 | 46,44  | 2473 | 17:20:31 | 60,17  |
| 2254 | 17:02:16 | 54,19  | 2309 | 17:06:51 | 47,33  | 2364 | 17:11:26 | 52,12  | 2419 | 17:16:01 | 47,42  | 2474 | 17:20:36 | 54,78  |
| 2255 | 17:02:21 | 52,06  | 2310 | 17:06:56 | 53,76  | 2365 | 17:11:31 | 52,05  | 2420 | 17:16:06 | 49,88  | 2475 | 17:20:41 | 52,32  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 2476 | 17:20:46 | 51,65  | 2531 | 17:25:21 | 58,12  | 2586 | 17:29:56 | 37,30  | 2641 | 17:34:31 | 46,97  | 2696 | 17:39:06 | 36,27  |
| 2477 | 17:20:51 | 56,15  | 2532 | 17:25:26 | 61,84  | 2587 | 17:30:01 | 37,46  | 2642 | 17:34:36 | 39,78  | 2697 | 17:39:11 | 35,31  |
| 2478 | 17:20:56 | 56,29  | 2533 | 17:25:31 | 64,28  | 2588 | 17:30:06 | 37,08  | 2643 | 17:34:41 | 40,16  | 2698 | 17:39:16 | 35,59  |
| 2479 | 17:21:01 | 59,16  | 2534 | 17:25:36 | 62,03  | 2589 | 17:30:11 | 40,05  | 2644 | 17:34:46 | 37,41  | 2699 | 17:39:21 | 35,88  |
| 2480 | 17:21:06 | 57,52  | 2535 | 17:25:41 | 65,71  | 2590 | 17:30:16 | 36,96  | 2645 | 17:34:51 | 35,52  | 2700 | 17:39:26 | 35,81  |
| 2481 | 17:21:11 | 51,57  | 2536 | 17:25:46 | 66,74  | 2591 | 17:30:21 | 35,56  | 2646 | 17:34:56 | 35,72  | 2701 | 17:39:31 | 36,66  |
| 2482 | 17:21:16 | 60,78  | 2537 | 17:25:51 | 58,85  | 2592 | 17:30:26 | 36,56  | 2647 | 17:35:01 | 36,87  | 2702 | 17:39:36 | 38,53  |
| 2483 | 17:21:21 | 60,87  | 2538 | 17:25:56 | 62,93  | 2593 | 17:30:31 | 44,47  | 2648 | 17:35:06 | 36,11  | 2703 | 17:39:41 | 35,40  |
| 2484 | 17:21:26 | 57,19  | 2539 | 17:26:01 | 54,31  | 2594 | 17:30:36 | 47,02  | 2649 | 17:35:11 | 41,38  | 2704 | 17:39:46 | 35,89  |
| 2485 | 17:21:31 | 61,57  | 2540 | 17:26:06 | 59,65  | 2595 | 17:30:41 | 40,26  | 2650 | 17:35:16 | 50,68  | 2705 | 17:39:51 | 36,82  |
| 2486 | 17:21:36 | 54,94  | 2541 | 17:26:11 | 56,17  | 2596 | 17:30:46 | 36,12  | 2651 | 17:35:21 | 45,29  | 2706 | 17:39:56 | 38,05  |
| 2487 | 17:21:41 | 53,96  | 2542 | 17:26:16 | 62,17  | 2597 | 17:30:51 | 36,30  | 2652 | 17:35:26 | 40,41  | 2707 | 17:40:01 | 39,60  |
| 2488 | 17:21:46 | 58,28  | 2543 | 17:26:21 | 60,74  | 2598 | 17:30:56 | 40,67  | 2653 | 17:35:31 | 41,56  | 2708 | 17:40:06 | 44,20  |
| 2489 | 17:21:51 | 57,87  | 2544 | 17:26:26 | 65,04  | 2599 | 17:31:01 | 46,88  | 2654 | 17:35:36 | 49,20  | 2709 | 17:40:11 | 49,62  |
| 2490 | 17:21:56 | 59,64  | 2545 | 17:26:31 | 57,42  | 2600 | 17:31:06 | 44,39  | 2655 | 17:35:41 | 51,33  | 2710 | 17:40:16 | 42,27  |
| 2491 | 17:22:01 | 61,45  | 2546 | 17:26:36 | 62,13  | 2601 | 17:31:11 | 42,16  | 2656 | 17:35:46 | 42,59  | 2711 | 17:40:21 | 40,04  |
| 2492 | 17:22:06 | 61,79  | 2547 | 17:26:41 | 61,39  | 2602 | 17:31:16 | 44,44  | 2657 | 17:35:51 | 39,56  | 2712 | 17:40:26 | 37,57  |
| 2493 | 17:22:11 | 64,21  | 2548 | 17:26:46 | 62,18  | 2603 | 17:31:21 | 41,22  | 2658 | 17:35:56 | 42,34  | 2713 | 17:40:31 | 36,04  |
| 2494 | 17:22:16 | 56,90  | 2549 | 17:26:51 | 64,68  | 2604 | 17:31:26 | 37,93  | 2659 | 17:36:01 | 48,06  | 2714 | 17:40:36 | 39,70  |
| 2495 | 17:22:21 | 58,99  | 2550 | 17:26:56 | 63,80  | 2605 | 17:31:31 | 39,44  | 2660 | 17:36:06 | 52,48  | 2715 | 17:40:41 | 39,91  |
| 2496 | 17:22:26 | 49,93  | 2551 | 17:27:01 | 70,08  | 2606 | 17:31:36 | 39,60  | 2661 | 17:36:11 | 44,70  | 2716 | 17:40:46 | 35,61  |
| 2497 | 17:22:31 | 48,31  | 2552 | 17:27:06 | 69,43  | 2607 | 17:31:41 | 46,25  | 2662 | 17:36:16 | 42,21  | 2717 | 17:40:51 | 36,02  |
| 2498 | 17:22:36 | 52,87  | 2553 | 17:27:11 | 64,46  | 2608 | 17:31:46 | 47,57  | 2663 | 17:36:21 | 42,66  | 2718 | 17:40:56 | 38,37  |
| 2499 | 17:22:41 | 52,32  | 2554 | 17:27:16 | 70,43  | 2609 | 17:31:51 | 37,53  | 2664 | 17:36:26 | 44,24  | 2719 | 17:41:01 | 42,70  |
| 2500 | 17:22:46 | 51,68  | 2555 | 17:27:21 | 71,43  | 2610 | 17:31:56 | 36,34  | 2665 | 17:36:31 | 41,07  | 2720 | 17:41:06 | 40,56  |
| 2501 | 17:22:51 | 50,10  | 2556 | 17:27:26 | 61,55  | 2611 | 17:32:01 | 35,29  | 2666 | 17:36:36 | 38,83  | 2721 | 17:41:11 | 39,69  |
| 2502 | 17:22:56 | 48,89  | 2557 | 17:27:31 | 66,44  | 2612 | 17:32:06 | 35,39  | 2667 | 17:36:41 | 37,65  | 2722 | 17:41:16 | 44,21  |
| 2503 | 17:23:01 | 56,44  | 2558 | 17:27:36 | 69,11  | 2613 | 17:32:11 | 35,67  | 2668 | 17:36:46 | 40,02  | 2723 | 17:41:21 | 42,65  |
| 2504 | 17:23:06 | 56,91  | 2559 | 17:27:41 | 55,31  | 2614 | 17:32:16 | 36,08  | 2669 | 17:36:51 | 43,10  | 2724 | 17:41:26 | 44,00  |
| 2505 | 17:23:11 | 52,79  | 2560 | 17:27:46 | 43,33  | 2615 | 17:32:21 | 36,73  | 2670 | 17:36:56 | 40,92  | 2725 | 17:41:31 | 39,78  |
| 2506 | 17:23:16 | 50,83  | 2561 | 17:27:51 | 46,83  | 2616 | 17:32:26 | 36,71  | 2671 | 17:37:01 | 38,46  | 2726 | 17:41:36 | 38,83  |
| 2507 | 17:23:21 | 57,22  | 2562 | 17:27:56 | 43,91  | 2617 | 17:32:31 | 36,46  | 2672 | 17:37:06 | 47,28  | 2727 | 17:41:41 | 36,20  |
| 2508 | 17:23:26 | 62,67  | 2563 | 17:28:01 | 44,15  | 2618 | 17:32:36 | 42,37  | 2673 | 17:37:11 | 40,47  | 2728 | 17:41:46 | 35,45  |
| 2509 | 17:23:31 | 67,18  | 2564 | 17:28:06 | 41,36  | 2619 | 17:32:41 | 43,93  | 2674 | 17:37:16 | 34,86  | 2729 | 17:41:51 | 35,30  |
| 2510 | 17:23:36 | 51,84  | 2565 | 17:28:11 | 41,85  | 2620 | 17:32:46 | 38,02  | 2675 | 17:37:21 | 34,73  | 2730 | 17:41:56 | 35,34  |
| 2511 | 17:23:41 | 46,57  | 2566 | 17:28:16 | 41,98  | 2621 | 17:32:51 | 35,92  | 2676 | 17:37:26 | 35,40  | 2731 | 17:42:01 | 34,93  |
| 2512 | 17:23:46 | 54,55  | 2567 | 17:28:21 | 37,30  | 2622 | 17:32:56 | 35,75  | 2677 | 17:37:31 | 36,72  | 2732 | 17:42:06 | 34,72  |
| 2513 | 17:23:51 | 52,16  | 2568 | 17:28:26 | 35,72  | 2623 | 17:33:01 | 36,84  | 2678 | 17:37:36 | 40,32  | 2733 | 17:42:11 | 36,59  |
| 2514 | 17:23:56 | 55,86  | 2569 | 17:28:31 | 43,32  | 2624 | 17:33:06 | 38,68  | 2679 | 17:37:41 | 49,26  | 2734 | 17:42:16 | 40,30  |
| 2515 | 17:24:01 | 56,39  | 2570 | 17:28:36 | 44,46  | 2625 | 17:33:11 | 44,91  | 2680 | 17:37:46 | 39,81  | 2735 | 17:42:21 | 47,91  |
| 2516 | 17:24:06 | 58,41  | 2571 | 17:28:41 | 40,68  | 2626 | 17:33:16 | 40,67  | 2681 | 17:37:51 | 38,04  | 2736 | 17:42:26 | 54,94  |
| 2517 | 17:24:11 | 54,84  | 2572 | 17:28:46 | 38,97  | 2627 | 17:33:21 | 35,79  | 2682 | 17:37:56 | 41,25  | 2737 | 17:42:31 | 48,01  |
| 2518 | 17:24:16 | 52,13  | 2573 | 17:28:51 | 39,25  | 2628 | 17:33:26 | 35,53  | 2683 | 17:38:01 | 39,27  | 2738 | 17:42:36 | 40,14  |
| 2519 | 17:24:21 | 51,78  | 2574 | 17:28:56 | 38,69  | 2629 | 17:33:31 | 35,22  | 2684 | 17:38:06 | 37,83  | 2739 | 17:42:41 | 38,27  |
| 2520 | 17:24:26 | 51,44  | 2575 | 17:29:01 | 41,75  | 2630 | 17:33:36 | 35,78  | 2685 | 17:38:11 | 38,76  | 2740 | 17:42:46 | 42,56  |
| 2521 | 17:24:31 | 52,97  | 2576 | 17:29:06 | 45,32  | 2631 | 17:33:41 | 35,50  | 2686 | 17:38:16 | 47,81  | 2741 | 17:42:51 | 42,72  |
| 2522 | 17:24:36 | 58,98  | 2577 | 17:29:11 | 42,27  | 2632 | 17:33:46 | 37,31  | 2687 | 17:38:21 | 43,14  | 2742 | 17:42:56 | 37,79  |
| 2523 | 17:24:41 | 60,32  | 2578 | 17:29:16 | 40,69  | 2633 | 17:33:51 | 36,22  | 2688 | 17:38:26 | 39,40  | 2743 | 17:43:01 | 46,47  |
| 2524 | 17:24:46 | 58,42  | 2579 | 17:29:21 | 42,47  | 2634 | 17:33:56 | 35,62  | 2689 | 17:38:31 | 39,11  | 2744 | 17:43:06 | 43,90  |
| 2525 | 17:24:51 | 55,66  | 2580 | 17:29:26 | 39,98  | 2635 | 17:34:01 | 36,65  | 2690 | 17:38:36 | 36,60  | 2745 | 17:43:11 | 38,52  |
| 2526 | 17:24:56 | 59,51  | 2581 | 17:29:31 | 40,42  | 2636 | 17:34:06 | 37,15  | 2691 | 17:38:41 | 37,53  | 2746 | 17:43:16 | 37,52  |
| 2527 | 17:25:01 | 58,15  | 2582 | 17:29:36 | 37,59  | 2637 | 17:34:11 | 42,31  | 2692 | 17:38:46 | 38,96  | 2747 | 17:43:21 | 37,94  |
| 2528 | 17:25:06 | 60,34  | 2583 | 17:29:41 | 43,62  | 2638 | 17:34:16 | 44,98  | 2693 | 17:38:51 | 46,37  | 2748 | 17:43:26 | 36,76  |
| 2529 | 17:25:11 | 61,63  | 2584 | 17:29:46 | 47,26  | 2639 | 17:34:21 | 45,72  | 2694 | 17:38:56 | 40,86  | 2749 | 17:43:31 | 36,97  |
| 2530 | 17:25:16 | 57,70  | 2585 | 17:29:51 | 39,47  | 2640 | 17:34:26 | 48,95  | 2695 | 17:39:01 | 40,38  | 2750 | 17:43:36 | 36,16  |

| Ind  | D/H      | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] |
|------|----------|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|
| 2751 | 17:43:41 | 40,69  |     |     |        |     |     |        |     |     |        |
| 2752 | 17:43:46 | 40,40  |     |     |        |     |     |        |     |     |        |
| 2753 | 17:43:51 | 44,26  |     |     |        |     |     |        |     |     |        |
| 2754 | 17:43:56 | 42,39  |     |     |        |     |     |        |     |     |        |
| 2755 | 17:44:01 | 37,11  |     |     |        |     |     |        |     |     |        |
| 2756 | 17:44:06 | 39,07  |     |     |        |     |     |        |     |     |        |
| 2757 | 17:44:11 | 41,33  |     |     |        |     |     |        |     |     |        |
| 2758 | 17:44:16 | 40,98  |     |     |        |     |     |        |     |     |        |
| 2759 | 17:44:21 | 38,91  |     |     |        |     |     |        |     |     |        |
| 2760 | 17:44:26 | 69,75  |     |     |        |     |     |        |     |     |        |
| 2761 | 17:44:31 | 68,82  |     |     |        |     |     |        |     |     |        |
| 2762 | 17:44:36 | 73,91  |     |     |        |     |     |        |     |     |        |
| 2763 | 17:44:41 | 68,94  |     |     |        |     |     |        |     |     |        |
| 2764 | 17:44:46 | 69,46  |     |     |        |     |     |        |     |     |        |
| 2765 | 17:44:51 | 67,44  |     |     |        |     |     |        |     |     |        |

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: EDUCAÇÃO/APAE  
Funcionário avaliado: MOTORISTA  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora:  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 14/08/2025

#### Configuração dos dosímetros

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Dosímetro NR15                       | Dosímetro NHO01                      | Dosímetro USER                       |
| Curva de ponderação: A               | Curva de ponderação: A               | Curva de ponderação: A               |
| Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       |
| Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           |
| Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 |
| Duplicação de dose (Q) [dB]: 5       | Duplicação de dose (Q) [dB]: 3       | Duplicação de dose (Q) [dB]: 3       |

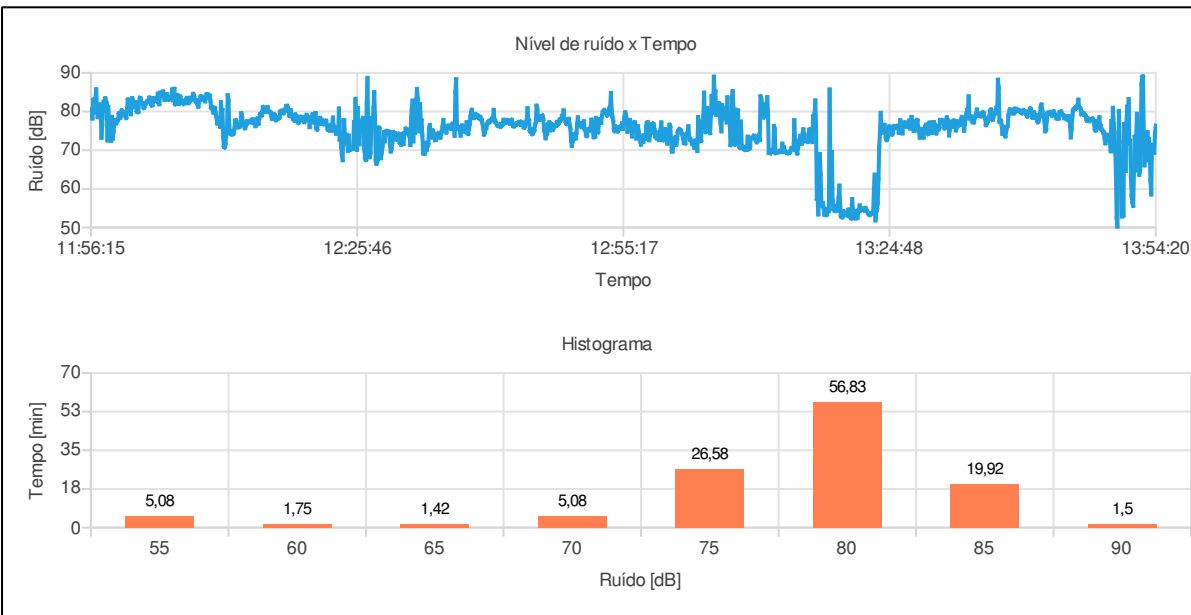
#### Resultado da avaliação

|                                   |                        |                          |  |
|-----------------------------------|------------------------|--------------------------|--|
| Duração: 01:58:13                 |                        | Tempo em pausa: 00:00:23 |  |
| Início: 11:56:15                  |                        | Fim: 13:54:20            |  |
| Dosímetro NR15                    | Dosímetro NHO01        | Dosímetro USER           |  |
| Dose [%]: 3,13                    | Dose [%]: 2,73         | Dose [%]: 2,73           |  |
| Dose diária [%]: 12,71            | Dose diária [%]: 11,08 | Dose diária [%]: 11,08   |  |
| Lavg [dB]: 70,13                  | Leq [dB]: 75,49        | Leq [dB]: 75,49          |  |
| NE [dB]: 70,12                    | NE [dB]: 75,48         | NE [dB]: 75,48           |  |
| NEN [dB]: 70,12                   | NEN [dB]: 75,48        | NEN [dB]: 0,00           |  |
| TWA [dB]: 60,02                   | TWA [dB]: 69,42        | TWA [dB]: 69,42          |  |
| Ocorrências de picos de 115 dB: 1 |                        |                          |  |

#### Registro de calibração

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Verificação de campo @ 1kHz                     | Calibração de laboratório          |
| Pré verificação [dB]: 114,00 (14/08/2025 11:55) | Dosímetro: CRA0131/2025 31/01/2025 |
| Pós verificação [dB]: ---                       | Calibrador de áudio:               |

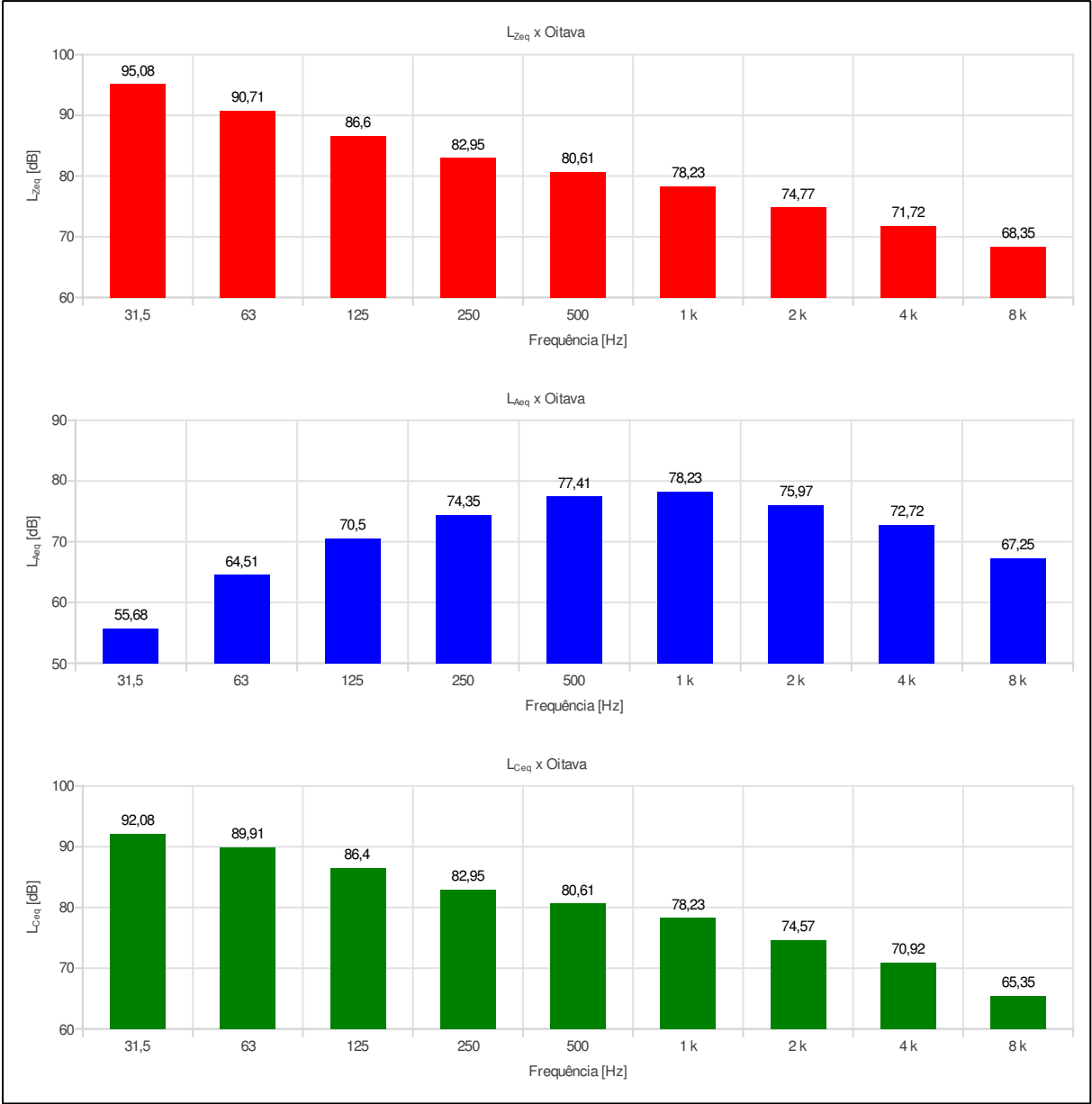
#### Gráficos



#### Observações

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

Bandas de oitavas



**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 11:56:15 | 79,06  | 056 | 12:00:50 | 83,46  | 111 | 12:05:25 | 84,20  | 166 | 12:10:00 | 80,95  | 221 | 12:14:35 | 77,89  |
| 002 | 11:56:20 | 80,46  | 057 | 12:00:55 | 82,61  | 112 | 12:05:30 | 85,88  | 167 | 12:10:05 | 79,60  | 222 | 12:14:40 | 78,14  |
| 003 | 11:56:25 | 78,22  | 058 | 12:01:00 | 81,46  | 113 | 12:05:35 | 81,90  | 168 | 12:10:10 | 78,56  | 223 | 12:14:45 | 77,10  |
| 004 | 11:56:30 | 83,01  | 059 | 12:01:05 | 81,32  | 114 | 12:05:40 | 82,19  | 169 | 12:10:15 | 76,92  | 224 | 12:14:50 | 76,85  |
| 005 | 11:56:35 | 83,10  | 060 | 12:01:10 | 82,47  | 115 | 12:05:45 | 83,68  | 170 | 12:10:20 | 77,37  | 225 | 12:14:55 | 78,16  |
| 006 | 11:56:40 | 79,77  | 061 | 12:01:15 | 82,41  | 116 | 12:05:50 | 84,24  | 171 | 12:10:25 | 78,15  | 226 | 12:15:00 | 79,28  |
| 007 | 11:56:45 | 83,28  | 062 | 12:01:20 | 80,03  | 117 | 12:05:55 | 84,08  | 172 | 12:10:30 | 77,07  | 227 | 12:15:05 | 79,49  |
| 008 | 11:56:50 | 85,75  | 063 | 12:01:25 | 80,21  | 118 | 12:06:00 | 82,00  | 173 | 12:10:35 | 76,05  | 228 | 12:15:10 | 79,02  |
| 009 | 11:56:55 | 80,45  | 064 | 12:01:30 | 79,87  | 119 | 12:06:05 | 83,55  | 174 | 12:10:40 | 82,42  | 229 | 12:15:15 | 79,91  |
| 010 | 11:57:00 | 78,58  | 065 | 12:01:35 | 82,16  | 120 | 12:06:10 | 83,84  | 175 | 12:10:45 | 79,84  | 230 | 12:15:20 | 81,15  |
| 011 | 11:57:05 | 79,15  | 066 | 12:01:40 | 83,55  | 121 | 12:06:15 | 82,86  | 176 | 12:10:50 | 80,40  | 231 | 12:15:25 | 80,84  |
| 012 | 11:57:10 | 81,09  | 067 | 12:01:45 | 83,46  | 122 | 12:06:20 | 82,45  | 177 | 12:10:55 | 73,41  | 232 | 12:15:30 | 80,31  |
| 013 | 11:57:15 | 81,81  | 068 | 12:01:50 | 82,64  | 123 | 12:06:25 | 82,62  | 178 | 12:11:00 | 70,96  | 233 | 12:15:35 | 80,02  |
| 014 | 11:57:20 | 79,96  | 069 | 12:01:55 | 82,29  | 124 | 12:06:30 | 82,01  | 179 | 12:11:05 | 70,74  | 234 | 12:15:40 | 80,04  |
| 015 | 11:57:25 | 73,24  | 070 | 12:02:00 | 82,10  | 125 | 12:06:35 | 82,21  | 180 | 12:11:10 | 71,53  | 235 | 12:15:45 | 80,04  |
| 016 | 11:57:30 | 76,50  | 071 | 12:02:05 | 80,96  | 126 | 12:06:40 | 82,19  | 181 | 12:11:15 | 74,45  | 236 | 12:15:50 | 81,15  |
| 017 | 11:57:35 | 80,27  | 072 | 12:02:10 | 81,10  | 127 | 12:06:45 | 83,06  | 182 | 12:11:20 | 74,42  | 237 | 12:15:55 | 80,22  |
| 018 | 11:57:40 | 82,60  | 073 | 12:02:15 | 82,04  | 128 | 12:06:50 | 82,59  | 183 | 12:11:25 | 84,19  | 238 | 12:16:00 | 80,12  |
| 019 | 11:57:45 | 80,27  | 074 | 12:02:20 | 82,04  | 129 | 12:06:55 | 83,52  | 184 | 12:11:30 | 82,94  | 239 | 12:16:05 | 79,79  |
| 020 | 11:57:50 | 83,42  | 075 | 12:02:25 | 82,43  | 130 | 12:07:00 | 82,61  | 185 | 12:11:35 | 76,50  | 240 | 12:16:10 | 79,74  |
| 021 | 11:57:55 | 82,79  | 076 | 12:02:30 | 82,74  | 131 | 12:07:05 | 82,20  | 186 | 12:11:40 | 74,55  | 241 | 12:16:15 | 78,83  |
| 022 | 11:58:00 | 82,07  | 077 | 12:02:35 | 82,49  | 132 | 12:07:10 | 83,09  | 187 | 12:11:45 | 74,21  | 242 | 12:16:20 | 78,11  |
| 023 | 11:58:05 | 72,54  | 078 | 12:02:40 | 82,42  | 133 | 12:07:15 | 82,77  | 188 | 12:11:50 | 74,95  | 243 | 12:16:25 | 78,94  |
| 024 | 11:58:10 | 81,08  | 079 | 12:02:45 | 83,61  | 134 | 12:07:20 | 83,57  | 189 | 12:11:55 | 74,10  | 244 | 12:16:30 | 79,05  |
| 025 | 11:58:15 | 77,17  | 080 | 12:02:50 | 82,69  | 135 | 12:07:25 | 83,26  | 190 | 12:12:00 | 74,50  | 245 | 12:16:35 | 79,32  |
| 026 | 11:58:20 | 75,56  | 081 | 12:02:55 | 81,95  | 136 | 12:07:30 | 83,21  | 191 | 12:12:05 | 74,35  | 246 | 12:16:40 | 78,67  |
| 027 | 11:58:25 | 78,55  | 082 | 12:03:00 | 81,59  | 137 | 12:07:35 | 84,55  | 192 | 12:12:10 | 75,60  | 247 | 12:16:45 | 77,78  |
| 028 | 11:58:30 | 72,47  | 083 | 12:03:05 | 81,69  | 138 | 12:07:40 | 84,15  | 193 | 12:12:15 | 77,65  | 248 | 12:16:50 | 78,03  |
| 029 | 11:58:35 | 78,62  | 084 | 12:03:10 | 83,45  | 139 | 12:07:45 | 83,31  | 194 | 12:12:20 | 77,76  | 249 | 12:16:55 | 78,50  |
| 030 | 11:58:40 | 72,93  | 085 | 12:03:15 | 83,32  | 140 | 12:07:50 | 82,81  | 195 | 12:12:25 | 76,76  | 250 | 12:17:00 | 78,53  |
| 031 | 11:58:45 | 74,83  | 086 | 12:03:20 | 83,42  | 141 | 12:07:55 | 82,82  | 196 | 12:12:30 | 76,22  | 251 | 12:17:05 | 78,26  |
| 032 | 11:58:50 | 76,52  | 087 | 12:03:25 | 82,79  | 142 | 12:08:00 | 82,11  | 197 | 12:12:35 | 75,95  | 252 | 12:17:10 | 78,46  |
| 033 | 11:58:55 | 77,78  | 088 | 12:03:30 | 82,83  | 143 | 12:08:05 | 81,88  | 198 | 12:12:40 | 76,70  | 253 | 12:17:15 | 80,04  |
| 034 | 11:59:00 | 77,16  | 089 | 12:03:35 | 83,11  | 144 | 12:08:10 | 81,29  | 199 | 12:12:45 | 76,07  | 254 | 12:17:20 | 79,77  |
| 035 | 11:59:05 | 77,04  | 090 | 12:03:40 | 84,61  | 145 | 12:08:15 | 82,58  | 200 | 12:12:50 | 76,65  | 255 | 12:17:25 | 80,19  |
| 036 | 11:59:10 | 77,79  | 091 | 12:03:45 | 82,31  | 146 | 12:08:20 | 83,05  | 201 | 12:12:55 | 79,59  | 256 | 12:17:30 | 79,67  |
| 037 | 11:59:15 | 77,86  | 092 | 12:03:50 | 81,92  | 147 | 12:08:25 | 83,94  | 202 | 12:13:00 | 78,99  | 257 | 12:17:35 | 79,59  |
| 038 | 11:59:20 | 79,47  | 093 | 12:03:55 | 84,88  | 148 | 12:08:30 | 83,68  | 203 | 12:13:05 | 77,20  | 258 | 12:17:40 | 79,77  |
| 039 | 11:59:25 | 79,30  | 094 | 12:04:00 | 84,33  | 149 | 12:08:35 | 83,18  | 204 | 12:13:10 | 76,51  | 259 | 12:17:45 | 80,47  |
| 040 | 11:59:30 | 78,38  | 095 | 12:04:05 | 84,38  | 150 | 12:08:40 | 83,57  | 205 | 12:13:15 | 76,45  | 260 | 12:17:50 | 80,48  |
| 041 | 11:59:35 | 79,43  | 096 | 12:04:10 | 84,08  | 151 | 12:08:45 | 83,72  | 206 | 12:13:20 | 75,71  | 261 | 12:17:55 | 81,45  |
| 042 | 11:59:40 | 80,27  | 097 | 12:04:15 | 85,19  | 152 | 12:08:50 | 83,81  | 207 | 12:13:25 | 76,22  | 262 | 12:18:00 | 81,47  |
| 043 | 11:59:45 | 79,89  | 098 | 12:04:20 | 84,23  | 153 | 12:08:55 | 82,65  | 208 | 12:13:30 | 77,44  | 263 | 12:18:05 | 81,00  |
| 044 | 11:59:50 | 79,79  | 099 | 12:04:25 | 83,01  | 154 | 12:09:00 | 83,68  | 209 | 12:13:35 | 77,26  | 264 | 12:18:10 | 80,31  |
| 045 | 11:59:55 | 79,09  | 100 | 12:04:30 | 83,75  | 155 | 12:09:05 | 84,49  | 210 | 12:13:40 | 77,06  | 265 | 12:18:15 | 78,94  |
| 046 | 12:00:00 | 79,14  | 101 | 12:04:35 | 83,59  | 156 | 12:09:10 | 83,88  | 211 | 12:13:45 | 77,28  | 266 | 12:18:20 | 79,20  |
| 047 | 12:00:05 | 78,68  | 102 | 12:04:40 | 84,49  | 157 | 12:09:15 | 84,38  | 212 | 12:13:50 | 77,47  | 267 | 12:18:25 | 80,31  |
| 048 | 12:00:10 | 78,35  | 103 | 12:04:45 | 83,33  | 158 | 12:09:20 | 83,63  | 213 | 12:13:55 | 77,58  | 268 | 12:18:30 | 79,08  |
| 049 | 12:00:15 | 80,61  | 104 | 12:04:50 | 83,16  | 159 | 12:09:25 | 84,07  | 214 | 12:14:00 | 77,35  | 269 | 12:18:35 | 78,82  |
| 050 | 12:00:20 | 83,10  | 105 | 12:04:55 | 83,19  | 160 | 12:09:30 | 82,75  | 215 | 12:14:05 | 77,80  | 270 | 12:18:40 | 78,11  |
| 051 | 12:00:25 | 82,44  | 106 | 12:05:00 | 83,48  | 161 | 12:09:35 | 80,94  | 216 | 12:14:10 | 77,94  | 271 | 12:18:45 | 77,85  |
| 052 | 12:00:30 | 80,17  | 107 | 12:05:05 | 83,65  | 162 | 12:09:40 | 81,20  | 217 | 12:14:15 | 77,06  | 272 | 12:18:50 | 77,66  |
| 053 | 12:00:35 | 81,82  | 108 | 12:05:10 | 83,65  | 163 | 12:09:45 | 80,42  | 218 | 12:14:20 | 77,63  | 273 | 12:18:55 | 79,24  |
| 054 | 12:00:40 | 79,33  | 109 | 12:05:15 | 85,71  | 164 | 12:09:50 | 79,75  | 219 | 12:14:25 | 77,20  | 274 | 12:19:00 | 78,69  |
| 055 | 12:00:45 | 81,00  | 110 | 12:05:20 | 82,93  | 165 | 12:09:55 | 80,64  | 220 | 12:14:30 | 76,24  | 275 | 12:19:05 | 78,46  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 12:19:10 | 78,60  | 331 | 12:23:45 | 80,77  | 386 | 12:28:20 | 68,75  | 441 | 12:32:55 | 77,73  | 496 | 12:37:30 | 75,60  |
| 277 | 12:19:15 | 77,10  | 332 | 12:23:50 | 72,77  | 387 | 12:28:25 | 67,96  | 442 | 12:33:00 | 73,96  | 497 | 12:37:35 | 75,53  |
| 278 | 12:19:20 | 77,32  | 333 | 12:23:55 | 74,28  | 388 | 12:28:30 | 69,45  | 443 | 12:33:05 | 69,18  | 498 | 12:37:40 | 74,92  |
| 279 | 12:19:25 | 78,60  | 334 | 12:24:00 | 70,85  | 389 | 12:28:35 | 71,00  | 444 | 12:33:10 | 70,65  | 499 | 12:37:45 | 76,05  |
| 280 | 12:19:30 | 78,15  | 335 | 12:24:05 | 68,68  | 390 | 12:28:40 | 72,58  | 445 | 12:33:15 | 69,08  | 500 | 12:37:50 | 74,74  |
| 281 | 12:19:35 | 78,60  | 336 | 12:24:10 | 67,42  | 391 | 12:28:45 | 74,61  | 446 | 12:33:20 | 69,58  | 501 | 12:37:55 | 77,24  |
| 282 | 12:19:40 | 78,55  | 337 | 12:24:15 | 77,72  | 392 | 12:28:50 | 72,29  | 447 | 12:33:25 | 71,93  | 502 | 12:38:00 | 74,48  |
| 283 | 12:19:45 | 77,73  | 338 | 12:24:20 | 77,70  | 393 | 12:28:55 | 74,06  | 448 | 12:33:30 | 70,11  | 503 | 12:38:05 | 74,24  |
| 284 | 12:19:50 | 77,91  | 339 | 12:24:25 | 73,44  | 394 | 12:29:00 | 74,94  | 449 | 12:33:35 | 71,07  | 504 | 12:38:10 | 75,47  |
| 285 | 12:19:55 | 77,29  | 340 | 12:24:30 | 73,59  | 395 | 12:29:05 | 74,39  | 450 | 12:33:40 | 71,54  | 505 | 12:38:15 | 76,74  |
| 286 | 12:20:00 | 77,95  | 341 | 12:24:35 | 73,96  | 396 | 12:29:10 | 74,88  | 451 | 12:33:45 | 75,69  | 506 | 12:38:20 | 78,73  |
| 287 | 12:20:05 | 78,53  | 342 | 12:24:40 | 71,78  | 397 | 12:29:15 | 74,86  | 452 | 12:33:50 | 76,47  | 507 | 12:38:25 | 79,94  |
| 288 | 12:20:10 | 79,11  | 343 | 12:24:45 | 69,89  | 398 | 12:29:20 | 74,74  | 453 | 12:33:55 | 74,52  | 508 | 12:38:30 | 80,44  |
| 289 | 12:20:15 | 78,12  | 344 | 12:24:50 | 73,76  | 399 | 12:29:25 | 71,33  | 454 | 12:34:00 | 73,31  | 509 | 12:38:35 | 78,33  |
| 290 | 12:20:20 | 78,59  | 345 | 12:24:55 | 70,56  | 400 | 12:29:30 | 69,69  | 455 | 12:34:05 | 74,96  | 510 | 12:38:40 | 78,36  |
| 291 | 12:20:25 | 78,30  | 346 | 12:25:00 | 70,11  | 401 | 12:29:35 | 70,29  | 456 | 12:34:10 | 75,11  | 511 | 12:38:45 | 78,60  |
| 292 | 12:20:30 | 75,98  | 347 | 12:25:05 | 70,58  | 402 | 12:29:40 | 71,95  | 457 | 12:34:15 | 74,45  | 512 | 12:38:50 | 79,25  |
| 293 | 12:20:35 | 77,65  | 348 | 12:25:10 | 70,72  | 403 | 12:29:45 | 74,69  | 458 | 12:34:20 | 74,20  | 513 | 12:38:55 | 79,27  |
| 294 | 12:20:40 | 78,00  | 349 | 12:25:15 | 70,34  | 404 | 12:29:50 | 74,18  | 459 | 12:34:25 | 72,61  | 514 | 12:39:00 | 78,93  |
| 295 | 12:20:45 | 78,61  | 350 | 12:25:20 | 70,40  | 405 | 12:29:55 | 74,29  | 460 | 12:34:30 | 72,68  | 515 | 12:39:05 | 78,95  |
| 296 | 12:20:50 | 79,30  | 351 | 12:25:25 | 77,29  | 406 | 12:30:00 | 74,36  | 461 | 12:34:35 | 74,16  | 516 | 12:39:10 | 78,93  |
| 297 | 12:20:55 | 78,21  | 352 | 12:25:30 | 70,62  | 407 | 12:30:05 | 72,93  | 462 | 12:34:40 | 73,60  | 517 | 12:39:15 | 78,36  |
| 298 | 12:21:00 | 77,17  | 353 | 12:25:35 | 83,28  | 408 | 12:30:10 | 72,77  | 463 | 12:34:45 | 73,50  | 518 | 12:39:20 | 78,23  |
| 299 | 12:21:05 | 77,60  | 354 | 12:25:40 | 73,44  | 409 | 12:30:15 | 74,09  | 464 | 12:34:50 | 74,46  | 519 | 12:39:25 | 78,61  |
| 300 | 12:21:10 | 79,60  | 355 | 12:25:45 | 70,10  | 410 | 12:30:20 | 74,23  | 465 | 12:34:55 | 73,76  | 520 | 12:39:30 | 77,98  |
| 301 | 12:21:15 | 75,61  | 356 | 12:25:50 | 80,91  | 411 | 12:30:25 | 73,57  | 466 | 12:35:00 | 73,24  | 521 | 12:39:35 | 77,86  |
| 302 | 12:21:20 | 75,36  | 357 | 12:25:55 | 73,13  | 412 | 12:30:30 | 71,93  | 467 | 12:35:05 | 74,28  | 522 | 12:39:40 | 76,93  |
| 303 | 12:21:25 | 77,10  | 358 | 12:26:00 | 71,53  | 413 | 12:30:35 | 72,26  | 468 | 12:35:10 | 74,91  | 523 | 12:39:45 | 75,76  |
| 304 | 12:21:30 | 77,63  | 359 | 12:26:05 | 75,15  | 414 | 12:30:40 | 71,43  | 469 | 12:35:15 | 76,26  | 524 | 12:39:50 | 74,07  |
| 305 | 12:21:35 | 77,01  | 360 | 12:26:10 | 77,21  | 415 | 12:30:45 | 74,18  | 470 | 12:35:20 | 77,83  | 525 | 12:39:55 | 74,51  |
| 306 | 12:21:40 | 78,35  | 361 | 12:26:15 | 76,72  | 416 | 12:30:50 | 73,87  | 471 | 12:35:25 | 75,61  | 526 | 12:40:00 | 75,60  |
| 307 | 12:21:45 | 76,91  | 362 | 12:26:20 | 77,80  | 417 | 12:30:55 | 71,68  | 472 | 12:35:30 | 75,85  | 527 | 12:40:05 | 75,68  |
| 308 | 12:21:50 | 77,81  | 363 | 12:26:25 | 78,36  | 418 | 12:31:00 | 74,35  | 473 | 12:35:35 | 76,14  | 528 | 12:40:10 | 76,59  |
| 309 | 12:21:55 | 77,00  | 364 | 12:26:30 | 71,51  | 419 | 12:31:05 | 74,38  | 474 | 12:35:40 | 74,58  | 529 | 12:40:15 | 77,17  |
| 310 | 12:22:00 | 77,26  | 365 | 12:26:35 | 70,07  | 420 | 12:31:10 | 75,57  | 475 | 12:35:45 | 76,11  | 530 | 12:40:20 | 77,48  |
| 311 | 12:22:05 | 76,74  | 366 | 12:26:40 | 67,81  | 421 | 12:31:15 | 75,14  | 476 | 12:35:50 | 76,30  | 531 | 12:40:25 | 77,19  |
| 312 | 12:22:10 | 77,49  | 367 | 12:26:45 | 67,48  | 422 | 12:31:20 | 75,25  | 477 | 12:35:55 | 76,04  | 532 | 12:40:30 | 77,41  |
| 313 | 12:22:15 | 77,15  | 368 | 12:26:50 | 81,88  | 423 | 12:31:25 | 75,02  | 478 | 12:36:00 | 76,08  | 533 | 12:40:35 | 77,69  |
| 314 | 12:22:20 | 77,59  | 369 | 12:26:55 | 88,69  | 424 | 12:31:30 | 74,05  | 479 | 12:36:05 | 76,30  | 534 | 12:40:40 | 78,01  |
| 315 | 12:22:25 | 76,57  | 370 | 12:27:00 | 75,22  | 425 | 12:31:35 | 73,56  | 480 | 12:36:10 | 75,60  | 535 | 12:40:45 | 78,17  |
| 316 | 12:22:30 | 75,37  | 371 | 12:27:05 | 68,65  | 426 | 12:31:40 | 71,36  | 481 | 12:36:15 | 76,37  | 536 | 12:40:50 | 78,14  |
| 317 | 12:22:35 | 75,21  | 372 | 12:27:10 | 68,21  | 427 | 12:31:45 | 78,36  | 482 | 12:36:20 | 76,83  | 537 | 12:40:55 | 80,43  |
| 318 | 12:22:40 | 75,88  | 373 | 12:27:15 | 69,23  | 428 | 12:31:50 | 80,70  | 483 | 12:36:25 | 76,40  | 538 | 12:41:00 | 77,49  |
| 319 | 12:22:45 | 75,71  | 374 | 12:27:20 | 74,15  | 429 | 12:31:55 | 82,81  | 484 | 12:36:30 | 76,15  | 539 | 12:41:05 | 77,60  |
| 320 | 12:22:50 | 76,43  | 375 | 12:27:25 | 78,30  | 430 | 12:32:00 | 72,30  | 485 | 12:36:35 | 73,77  | 540 | 12:41:10 | 77,10  |
| 321 | 12:22:55 | 75,07  | 376 | 12:27:30 | 77,61  | 431 | 12:32:05 | 78,77  | 486 | 12:36:40 | 85,11  | 541 | 12:41:15 | 76,80  |
| 322 | 12:23:00 | 76,58  | 377 | 12:27:35 | 81,06  | 432 | 12:32:10 | 74,41  | 487 | 12:36:45 | 88,32  | 542 | 12:41:20 | 76,39  |
| 323 | 12:23:05 | 78,43  | 378 | 12:27:40 | 85,01  | 433 | 12:32:15 | 81,73  | 488 | 12:36:50 | 76,49  | 543 | 12:41:25 | 76,36  |
| 324 | 12:23:10 | 75,58  | 379 | 12:27:45 | 78,30  | 434 | 12:32:20 | 83,10  | 489 | 12:36:55 | 75,56  | 544 | 12:41:30 | 76,48  |
| 325 | 12:23:15 | 76,02  | 380 | 12:27:50 | 67,40  | 435 | 12:32:25 | 85,85  | 490 | 12:37:00 | 76,09  | 545 | 12:41:35 | 76,66  |
| 326 | 12:23:20 | 75,11  | 381 | 12:27:55 | 66,51  | 436 | 12:32:30 | 83,07  | 491 | 12:37:05 | 75,89  | 546 | 12:41:40 | 76,07  |
| 327 | 12:23:25 | 74,29  | 382 | 12:28:00 | 67,29  | 437 | 12:32:35 | 76,63  | 492 | 12:37:10 | 74,86  | 547 | 12:41:45 | 76,66  |
| 328 | 12:23:30 | 75,86  | 383 | 12:28:05 | 67,66  | 438 | 12:32:40 | 74,91  | 493 | 12:37:15 | 73,80  | 548 | 12:41:50 | 76,40  |
| 329 | 12:23:35 | 74,84  | 384 | 12:28:10 | 75,84  | 439 | 12:32:45 | 81,88  | 494 | 12:37:20 | 75,59  | 549 | 12:41:55 | 76,82  |
| 330 | 12:23:40 | 74,32  | 385 | 12:28:15 | 75,66  | 440 | 12:32:50 | 76,86  | 495 | 12:37:25 | 76,38  | 550 | 12:42:00 | 77,85  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 12:42:05 | 77,31  | 606 | 12:46:40 | 73,11  | 661 | 12:51:15 | 73,69  | 716 | 12:55:50 | 75,44  | 771 | 13:00:25 | 76,59  |
| 552 | 12:42:10 | 77,02  | 607 | 12:46:45 | 74,11  | 662 | 12:51:20 | 75,34  | 717 | 12:55:55 | 76,50  | 772 | 13:00:30 | 76,11  |
| 553 | 12:42:15 | 77,21  | 608 | 12:46:50 | 74,26  | 663 | 12:51:25 | 74,91  | 718 | 12:56:00 | 77,83  | 773 | 13:00:35 | 72,52  |
| 554 | 12:42:20 | 77,51  | 609 | 12:46:55 | 76,73  | 664 | 12:51:30 | 75,06  | 719 | 12:56:05 | 76,80  | 774 | 13:00:40 | 69,67  |
| 555 | 12:42:25 | 77,75  | 610 | 12:47:00 | 76,53  | 665 | 12:51:35 | 75,51  | 720 | 12:56:10 | 75,98  | 775 | 13:00:45 | 69,71  |
| 556 | 12:42:30 | 77,71  | 611 | 12:47:05 | 77,22  | 666 | 12:51:40 | 76,11  | 721 | 12:56:15 | 73,58  | 776 | 13:00:50 | 71,13  |
| 557 | 12:42:35 | 77,46  | 612 | 12:47:10 | 75,16  | 667 | 12:51:45 | 77,88  | 722 | 12:56:20 | 75,52  | 777 | 13:00:55 | 71,38  |
| 558 | 12:42:40 | 76,91  | 613 | 12:47:15 | 76,21  | 668 | 12:51:50 | 77,13  | 723 | 12:56:25 | 76,14  | 778 | 13:01:00 | 73,13  |
| 559 | 12:42:45 | 77,36  | 614 | 12:47:20 | 76,78  | 669 | 12:51:55 | 74,89  | 724 | 12:56:30 | 77,23  | 779 | 13:01:05 | 73,38  |
| 560 | 12:42:50 | 77,51  | 615 | 12:47:25 | 75,47  | 670 | 12:52:00 | 73,37  | 725 | 12:56:35 | 77,12  | 780 | 13:01:10 | 71,45  |
| 561 | 12:42:55 | 77,85  | 616 | 12:47:30 | 75,35  | 671 | 12:52:05 | 74,67  | 726 | 12:56:40 | 75,31  | 781 | 13:01:15 | 72,48  |
| 562 | 12:43:00 | 77,11  | 617 | 12:47:35 | 75,87  | 672 | 12:52:10 | 73,54  | 727 | 12:56:45 | 73,05  | 782 | 13:01:20 | 74,75  |
| 563 | 12:43:05 | 76,22  | 618 | 12:47:40 | 76,16  | 673 | 12:52:15 | 78,35  | 728 | 12:56:50 | 75,24  | 783 | 13:01:25 | 75,15  |
| 564 | 12:43:10 | 76,18  | 619 | 12:47:45 | 76,36  | 674 | 12:52:20 | 75,87  | 729 | 12:56:55 | 76,18  | 784 | 13:01:30 | 75,45  |
| 565 | 12:43:15 | 76,62  | 620 | 12:47:50 | 76,33  | 675 | 12:52:25 | 74,78  | 730 | 12:57:00 | 74,67  | 785 | 13:01:35 | 75,29  |
| 566 | 12:43:20 | 76,77  | 621 | 12:47:55 | 77,24  | 676 | 12:52:30 | 74,64  | 731 | 12:57:05 | 73,85  | 786 | 13:01:40 | 75,11  |
| 567 | 12:43:25 | 76,59  | 622 | 12:48:00 | 76,66  | 677 | 12:52:35 | 77,40  | 732 | 12:57:10 | 72,26  | 787 | 13:01:45 | 74,49  |
| 568 | 12:43:30 | 76,74  | 623 | 12:48:05 | 77,13  | 678 | 12:52:40 | 77,95  | 733 | 12:57:15 | 71,46  | 788 | 13:01:50 | 74,07  |
| 569 | 12:43:35 | 76,98  | 624 | 12:48:10 | 77,07  | 679 | 12:52:45 | 77,91  | 734 | 12:57:20 | 73,47  | 789 | 13:01:55 | 73,12  |
| 570 | 12:43:40 | 77,19  | 625 | 12:48:15 | 77,98  | 680 | 12:52:50 | 77,12  | 735 | 12:57:25 | 72,95  | 790 | 13:02:00 | 71,93  |
| 571 | 12:43:45 | 77,22  | 626 | 12:48:20 | 77,70  | 681 | 12:52:55 | 78,86  | 736 | 12:57:30 | 72,15  | 791 | 13:02:05 | 72,93  |
| 572 | 12:43:50 | 77,33  | 627 | 12:48:25 | 78,15  | 682 | 12:53:00 | 79,83  | 737 | 12:57:35 | 73,86  | 792 | 13:02:10 | 71,78  |
| 573 | 12:43:55 | 76,62  | 628 | 12:48:30 | 78,95  | 683 | 12:53:05 | 79,85  | 738 | 12:57:40 | 73,32  | 793 | 13:02:15 | 73,99  |
| 574 | 12:44:00 | 76,82  | 629 | 12:48:35 | 79,06  | 684 | 12:53:10 | 80,39  | 739 | 12:57:45 | 72,96  | 794 | 13:02:20 | 74,33  |
| 575 | 12:44:05 | 77,21  | 630 | 12:48:40 | 80,28  | 685 | 12:53:15 | 79,93  | 740 | 12:57:50 | 76,29  | 795 | 13:02:25 | 74,05  |
| 576 | 12:44:10 | 77,08  | 631 | 12:48:45 | 78,19  | 686 | 12:53:20 | 79,86  | 741 | 12:57:55 | 77,10  | 796 | 13:02:30 | 76,20  |
| 577 | 12:44:15 | 75,92  | 632 | 12:48:50 | 77,96  | 687 | 12:53:25 | 79,37  | 742 | 12:58:00 | 77,21  | 797 | 13:02:35 | 73,80  |
| 578 | 12:44:20 | 75,85  | 633 | 12:48:55 | 77,08  | 688 | 12:53:30 | 79,02  | 743 | 12:58:05 | 75,08  | 798 | 13:02:40 | 72,72  |
| 579 | 12:44:25 | 76,46  | 634 | 12:49:00 | 76,82  | 689 | 12:53:35 | 79,38  | 744 | 12:58:10 | 72,58  | 799 | 13:02:45 | 72,76  |
| 580 | 12:44:30 | 77,08  | 635 | 12:49:05 | 77,76  | 690 | 12:53:40 | 80,21  | 745 | 12:58:15 | 73,93  | 800 | 13:02:50 | 72,40  |
| 581 | 12:44:35 | 77,95  | 636 | 12:49:10 | 77,48  | 691 | 12:53:45 | 81,02  | 746 | 12:58:20 | 74,45  | 801 | 13:02:55 | 71,60  |
| 582 | 12:44:40 | 80,84  | 637 | 12:49:15 | 78,09  | 692 | 12:53:50 | 81,24  | 747 | 12:58:25 | 76,63  | 802 | 13:03:00 | 71,85  |
| 583 | 12:44:45 | 77,81  | 638 | 12:49:20 | 76,65  | 693 | 12:53:55 | 84,82  | 748 | 12:58:30 | 76,27  | 803 | 13:03:05 | 71,39  |
| 584 | 12:44:50 | 77,70  | 639 | 12:49:25 | 75,72  | 694 | 12:54:00 | 80,11  | 749 | 12:58:35 | 76,87  | 804 | 13:03:10 | 70,62  |
| 585 | 12:44:55 | 75,00  | 640 | 12:49:30 | 72,50  | 695 | 12:54:05 | 78,66  | 750 | 12:58:40 | 76,61  | 805 | 13:03:15 | 72,48  |
| 586 | 12:45:00 | 74,76  | 641 | 12:49:35 | 71,15  | 696 | 12:54:10 | 77,74  | 751 | 12:58:45 | 75,33  | 806 | 13:03:20 | 71,76  |
| 587 | 12:45:05 | 75,39  | 642 | 12:49:40 | 72,36  | 697 | 12:54:15 | 75,33  | 752 | 12:58:50 | 73,51  | 807 | 13:03:25 | 71,01  |
| 588 | 12:45:10 | 74,19  | 643 | 12:49:45 | 74,10  | 698 | 12:54:20 | 74,95  | 753 | 12:58:55 | 74,08  | 808 | 13:03:30 | 69,80  |
| 589 | 12:45:15 | 74,35  | 644 | 12:49:50 | 73,36  | 699 | 12:54:25 | 76,11  | 754 | 12:59:00 | 73,06  | 809 | 13:03:35 | 78,55  |
| 590 | 12:45:20 | 74,88  | 645 | 12:49:55 | 73,30  | 700 | 12:54:30 | 75,58  | 755 | 12:59:05 | 74,52  | 810 | 13:03:40 | 77,46  |
| 591 | 12:45:25 | 75,08  | 646 | 12:50:00 | 73,04  | 701 | 12:54:35 | 75,16  | 756 | 12:59:10 | 74,55  | 811 | 13:03:45 | 74,82  |
| 592 | 12:45:30 | 76,51  | 647 | 12:50:05 | 74,36  | 702 | 12:54:40 | 74,86  | 757 | 12:59:15 | 72,65  | 812 | 13:03:50 | 72,36  |
| 593 | 12:45:35 | 77,20  | 648 | 12:50:10 | 76,65  | 703 | 12:54:45 | 75,17  | 758 | 12:59:20 | 74,34  | 813 | 13:03:55 | 72,46  |
| 594 | 12:45:40 | 81,52  | 649 | 12:50:15 | 78,51  | 704 | 12:54:50 | 75,69  | 759 | 12:59:25 | 75,45  | 814 | 13:04:00 | 76,94  |
| 595 | 12:45:45 | 80,67  | 650 | 12:50:20 | 76,87  | 705 | 12:54:55 | 76,07  | 760 | 12:59:30 | 77,17  | 815 | 13:04:05 | 76,37  |
| 596 | 12:45:50 | 78,52  | 651 | 12:50:25 | 76,78  | 706 | 12:55:00 | 75,55  | 761 | 12:59:35 | 74,45  | 816 | 13:04:10 | 78,81  |
| 597 | 12:45:55 | 77,85  | 652 | 12:50:30 | 76,69  | 707 | 12:55:05 | 76,05  | 762 | 12:59:40 | 72,60  | 817 | 13:04:15 | 84,88  |
| 598 | 12:46:00 | 77,87  | 653 | 12:50:35 | 76,35  | 708 | 12:55:10 | 76,94  | 763 | 12:59:45 | 73,22  | 818 | 13:04:20 | 75,87  |
| 599 | 12:46:05 | 78,36  | 654 | 12:50:40 | 76,02  | 709 | 12:55:15 | 75,57  | 764 | 12:59:50 | 73,90  | 819 | 13:04:25 | 74,71  |
| 600 | 12:46:10 | 78,67  | 655 | 12:50:45 | 77,02  | 710 | 12:55:20 | 76,97  | 765 | 12:59:55 | 75,46  | 820 | 13:04:30 | 74,96  |
| 601 | 12:46:15 | 78,79  | 656 | 12:50:50 | 77,06  | 711 | 12:55:25 | 78,60  | 766 | 13:00:00 | 74,62  | 821 | 13:04:35 | 80,93  |
| 602 | 12:46:20 | 78,94  | 657 | 12:50:55 | 77,50  | 712 | 12:55:30 | 79,78  | 767 | 13:00:05 | 72,81  | 822 | 13:04:40 | 80,08  |
| 603 | 12:46:25 | 78,02  | 658 | 12:51:00 | 75,41  | 713 | 12:55:35 | 79,14  | 768 | 13:00:10 | 71,74  | 823 | 13:04:45 | 76,60  |
| 604 | 12:46:30 | 75,32  | 659 | 12:51:05 | 74,99  | 714 | 12:55:40 | 77,52  | 769 | 13:00:15 | 73,70  | 824 | 13:04:50 | 75,19  |
| 605 | 12:46:35 | 74,51  | 660 | 12:51:10 | 73,89  | 715 | 12:55:45 | 74,80  | 770 | 13:00:20 | 75,04  | 825 | 13:04:55 | 74,43  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 13:05:00 | 78,87  | 881 | 13:09:35 | 73,21  | 936 | 13:14:10 | 70,22  | 991  | 13:18:45 | 54,30  | 1046 | 13:23:20 | 53,97  |
| 827 | 13:05:05 | 84,06  | 882 | 13:09:40 | 73,21  | 937 | 13:14:15 | 77,80  | 992  | 13:18:50 | 55,39  | 1047 | 13:23:25 | 54,61  |
| 828 | 13:05:10 | 79,69  | 883 | 13:09:45 | 73,74  | 938 | 13:14:20 | 72,86  | 993  | 13:18:55 | 54,98  | 1048 | 13:23:30 | 56,28  |
| 829 | 13:05:15 | 80,72  | 884 | 13:09:50 | 73,71  | 939 | 13:14:25 | 70,61  | 994  | 13:19:00 | 54,35  | 1049 | 13:23:35 | 62,59  |
| 830 | 13:05:20 | 89,02  | 885 | 13:09:55 | 72,83  | 940 | 13:14:30 | 69,63  | 995  | 13:19:05 | 56,27  | 1050 | 13:23:40 | 70,83  |
| 831 | 13:05:25 | 84,33  | 886 | 13:10:00 | 72,66  | 941 | 13:14:35 | 69,17  | 996  | 13:19:10 | 57,72  | 1051 | 13:23:45 | 74,56  |
| 832 | 13:05:30 | 85,17  | 887 | 13:10:05 | 72,10  | 942 | 13:14:40 | 70,68  | 997  | 13:19:15 | 60,82  | 1052 | 13:23:50 | 79,65  |
| 833 | 13:05:35 | 79,20  | 888 | 13:10:10 | 72,51  | 943 | 13:14:45 | 72,26  | 998  | 13:19:20 | 55,86  | 1053 | 13:23:55 | 75,04  |
| 834 | 13:05:40 | 80,38  | 889 | 13:10:15 | 73,12  | 944 | 13:14:50 | 72,79  | 999  | 13:19:25 | 52,89  | 1054 | 13:24:00 | 74,99  |
| 835 | 13:05:45 | 81,34  | 890 | 13:10:20 | 73,87  | 945 | 13:14:55 | 73,69  | 1000 | 13:19:30 | 53,01  | 1055 | 13:24:05 | 74,65  |
| 836 | 13:05:50 | 81,83  | 891 | 13:10:25 | 72,59  | 946 | 13:15:00 | 72,32  | 1001 | 13:19:35 | 52,65  | 1056 | 13:24:10 | 75,56  |
| 837 | 13:05:55 | 82,11  | 892 | 13:10:30 | 83,94  | 947 | 13:15:05 | 71,69  | 1002 | 13:19:40 | 54,18  | 1057 | 13:24:15 | 76,55  |
| 838 | 13:06:00 | 78,56  | 893 | 13:10:35 | 83,43  | 948 | 13:15:10 | 74,20  | 1003 | 13:19:45 | 53,26  | 1058 | 13:24:20 | 75,00  |
| 839 | 13:06:05 | 76,80  | 894 | 13:10:40 | 81,78  | 949 | 13:15:15 | 75,38  | 1004 | 13:19:50 | 53,92  | 1059 | 13:24:25 | 73,12  |
| 840 | 13:06:10 | 74,91  | 895 | 13:10:45 | 81,98  | 950 | 13:15:20 | 74,19  | 1005 | 13:19:55 | 53,78  | 1060 | 13:24:30 | 72,65  |
| 841 | 13:06:15 | 81,68  | 896 | 13:10:50 | 78,49  | 951 | 13:15:25 | 72,39  | 1006 | 13:20:00 | 53,42  | 1061 | 13:24:35 | 73,22  |
| 842 | 13:06:20 | 78,69  | 897 | 13:10:55 | 78,87  | 952 | 13:15:30 | 72,54  | 1007 | 13:20:05 | 53,60  | 1062 | 13:24:40 | 75,41  |
| 843 | 13:06:25 | 78,21  | 898 | 13:11:00 | 78,99  | 953 | 13:15:35 | 72,56  | 1008 | 13:20:10 | 53,11  | 1063 | 13:24:45 | 76,14  |
| 844 | 13:06:30 | 79,32  | 899 | 13:11:05 | 81,55  | 954 | 13:15:40 | 72,68  | 1009 | 13:20:15 | 54,60  | 1064 | 13:24:50 | 75,09  |
| 845 | 13:06:35 | 78,40  | 900 | 13:11:10 | 79,81  | 955 | 13:15:45 | 72,15  | 1010 | 13:20:20 | 54,20  | 1065 | 13:24:55 | 75,21  |
| 846 | 13:06:40 | 80,94  | 901 | 13:11:15 | 83,71  | 956 | 13:15:50 | 74,12  | 1011 | 13:20:25 | 52,92  | 1066 | 13:25:00 | 75,88  |
| 847 | 13:06:45 | 77,21  | 902 | 13:11:20 | 79,60  | 957 | 13:15:55 | 75,32  | 1012 | 13:20:30 | 52,55  | 1067 | 13:25:05 | 74,07  |
| 848 | 13:06:50 | 83,66  | 903 | 13:11:25 | 69,32  | 958 | 13:16:00 | 74,61  | 1013 | 13:20:35 | 52,37  | 1068 | 13:25:10 | 74,39  |
| 849 | 13:06:55 | 77,94  | 904 | 13:11:30 | 69,29  | 959 | 13:16:05 | 75,40  | 1014 | 13:20:40 | 57,36  | 1069 | 13:25:15 | 76,16  |
| 850 | 13:07:00 | 79,45  | 905 | 13:11:35 | 69,22  | 960 | 13:16:10 | 72,72  | 1015 | 13:20:45 | 54,54  | 1070 | 13:25:20 | 75,74  |
| 851 | 13:07:05 | 78,56  | 906 | 13:11:40 | 69,95  | 961 | 13:16:15 | 72,15  | 1016 | 13:20:50 | 53,27  | 1071 | 13:25:25 | 76,15  |
| 852 | 13:07:10 | 71,33  | 907 | 13:11:45 | 69,71  | 962 | 13:16:20 | 78,74  | 1017 | 13:20:55 | 52,48  | 1072 | 13:25:30 | 76,03  |
| 853 | 13:07:15 | 72,23  | 908 | 13:11:50 | 69,66  | 963 | 13:16:25 | 78,80  | 1018 | 13:21:00 | 54,32  | 1073 | 13:25:35 | 75,86  |
| 854 | 13:07:20 | 83,61  | 909 | 13:11:55 | 69,81  | 964 | 13:16:30 | 79,73  | 1019 | 13:21:05 | 52,35  | 1074 | 13:25:40 | 76,24  |
| 855 | 13:07:25 | 85,28  | 910 | 13:12:00 | 76,27  | 965 | 13:16:35 | 82,86  | 1020 | 13:21:10 | 53,53  | 1075 | 13:25:45 | 76,32  |
| 856 | 13:07:30 | 80,88  | 911 | 13:12:05 | 75,40  | 966 | 13:16:40 | 75,11  | 1021 | 13:21:15 | 52,51  | 1076 | 13:25:50 | 74,53  |
| 857 | 13:07:35 | 71,81  | 912 | 13:12:10 | 69,28  | 967 | 13:16:45 | 57,42  | 1022 | 13:21:20 | 54,13  | 1077 | 13:25:55 | 75,55  |
| 858 | 13:07:40 | 71,46  | 913 | 13:12:15 | 69,47  | 968 | 13:16:50 | 57,97  | 1023 | 13:21:25 | 54,53  | 1078 | 13:26:00 | 77,75  |
| 859 | 13:07:45 | 71,91  | 914 | 13:12:20 | 69,48  | 969 | 13:16:55 | 53,41  | 1024 | 13:21:30 | 55,69  | 1079 | 13:26:05 | 77,06  |
| 860 | 13:07:50 | 75,25  | 915 | 13:12:25 | 69,50  | 970 | 13:17:00 | 62,99  | 1025 | 13:21:35 | 54,41  | 1080 | 13:26:10 | 75,82  |
| 861 | 13:07:55 | 80,40  | 916 | 13:12:30 | 69,51  | 971 | 13:17:05 | 68,99  | 1026 | 13:21:40 | 54,68  | 1081 | 13:26:15 | 74,37  |
| 862 | 13:08:00 | 80,27  | 917 | 13:12:35 | 69,74  | 972 | 13:17:10 | 63,77  | 1027 | 13:21:45 | 54,75  | 1082 | 13:26:20 | 77,13  |
| 863 | 13:08:05 | 72,53  | 918 | 13:12:40 | 69,72  | 973 | 13:17:15 | 56,55  | 1028 | 13:21:50 | 54,85  | 1083 | 13:26:25 | 77,14  |
| 864 | 13:08:10 | 70,82  | 919 | 13:12:45 | 69,60  | 974 | 13:17:20 | 55,66  | 1029 | 13:21:55 | 54,64  | 1084 | 13:26:30 | 76,10  |
| 865 | 13:08:15 | 70,59  | 920 | 13:12:50 | 69,62  | 975 | 13:17:25 | 56,34  | 1030 | 13:22:00 | 54,42  | 1085 | 13:26:35 | 77,10  |
| 866 | 13:08:20 | 77,38  | 921 | 13:12:55 | 71,68  | 976 | 13:17:30 | 55,01  | 1031 | 13:22:05 | 54,56  | 1086 | 13:26:40 | 76,36  |
| 867 | 13:08:25 | 70,62  | 922 | 13:13:00 | 69,59  | 977 | 13:17:35 | 53,32  | 1032 | 13:22:10 | 55,02  | 1087 | 13:26:45 | 76,42  |
| 868 | 13:08:30 | 71,06  | 923 | 13:13:05 | 70,82  | 978 | 13:17:40 | 53,33  | 1033 | 13:22:15 | 54,63  | 1088 | 13:26:50 | 76,19  |
| 869 | 13:08:35 | 70,74  | 924 | 13:13:10 | 69,97  | 979 | 13:17:45 | 53,51  | 1034 | 13:22:20 | 54,15  | 1089 | 13:26:55 | 76,09  |
| 870 | 13:08:40 | 70,33  | 925 | 13:13:15 | 69,68  | 980 | 13:17:50 | 53,25  | 1035 | 13:22:25 | 53,75  | 1090 | 13:27:00 | 77,65  |
| 871 | 13:08:45 | 70,14  | 926 | 13:13:20 | 69,42  | 981 | 13:17:55 | 54,77  | 1036 | 13:22:30 | 53,41  | 1091 | 13:27:05 | 75,62  |
| 872 | 13:08:50 | 70,81  | 927 | 13:13:25 | 69,34  | 982 | 13:18:00 | 54,08  | 1037 | 13:22:35 | 53,67  | 1092 | 13:27:10 | 77,42  |
| 873 | 13:08:55 | 70,23  | 928 | 13:13:30 | 69,27  | 983 | 13:18:05 | 54,37  | 1038 | 13:22:40 | 53,27  | 1093 | 13:27:15 | 78,60  |
| 874 | 13:09:00 | 70,16  | 929 | 13:13:35 | 69,29  | 984 | 13:18:10 | 85,69  | 1039 | 13:22:45 | 53,47  | 1094 | 13:27:20 | 77,24  |
| 875 | 13:09:05 | 73,49  | 930 | 13:13:40 | 69,50  | 985 | 13:18:15 | 64,71  | 1040 | 13:22:50 | 53,69  | 1095 | 13:27:25 | 77,13  |
| 876 | 13:09:10 | 70,88  | 931 | 13:13:45 | 69,35  | 986 | 13:18:20 | 56,81  | 1041 | 13:22:55 | 53,67  | 1096 | 13:27:30 | 74,95  |
| 877 | 13:09:15 | 70,38  | 932 | 13:13:50 | 69,89  | 987 | 13:18:25 | 69,54  | 1042 | 13:23:00 | 54,09  | 1097 | 13:27:35 | 76,51  |
| 878 | 13:09:20 | 70,71  | 933 | 13:13:55 | 70,52  | 988 | 13:18:30 | 56,89  | 1043 | 13:23:05 | 60,10  | 1098 | 13:27:40 | 76,79  |
| 879 | 13:09:25 | 72,90  | 934 | 13:14:00 | 70,45  | 989 | 13:18:35 | 54,80  | 1044 | 13:23:10 | 63,66  | 1099 | 13:27:45 | 77,60  |
| 880 | 13:09:30 | 73,17  | 935 | 13:14:05 | 70,36  | 990 | 13:18:40 | 54,46  | 1045 | 13:23:15 | 51,86  | 1100 | 13:27:50 | 77,77  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 13:27:55 | 77,70  | 1156 | 13:32:30 | 76,74  | 1211 | 13:37:05 | 77,46  | 1266 | 13:41:40 | 81,79  | 1321 | 13:46:15 | 79,65  |
| 1102 | 13:28:00 | 75,06  | 1157 | 13:32:35 | 76,49  | 1212 | 13:37:10 | 77,62  | 1267 | 13:41:45 | 80,36  | 1322 | 13:46:20 | 79,31  |
| 1103 | 13:28:05 | 74,76  | 1158 | 13:32:40 | 76,65  | 1213 | 13:37:15 | 76,44  | 1268 | 13:41:50 | 78,92  | 1323 | 13:46:25 | 79,42  |
| 1104 | 13:28:10 | 73,26  | 1159 | 13:32:45 | 78,00  | 1214 | 13:37:20 | 74,22  | 1269 | 13:41:55 | 78,97  | 1324 | 13:46:30 | 79,04  |
| 1105 | 13:28:15 | 75,20  | 1160 | 13:32:50 | 78,60  | 1215 | 13:37:25 | 76,00  | 1270 | 13:42:00 | 77,37  | 1325 | 13:46:35 | 78,77  |
| 1106 | 13:28:20 | 75,47  | 1161 | 13:32:55 | 77,39  | 1216 | 13:37:30 | 74,79  | 1271 | 13:42:05 | 74,91  | 1326 | 13:46:40 | 77,71  |
| 1107 | 13:28:25 | 74,32  | 1162 | 13:33:00 | 76,78  | 1217 | 13:37:35 | 73,94  | 1272 | 13:42:10 | 75,32  | 1327 | 13:46:45 | 77,82  |
| 1108 | 13:28:30 | 74,09  | 1163 | 13:33:05 | 75,05  | 1218 | 13:37:40 | 73,58  | 1273 | 13:42:15 | 77,65  | 1328 | 13:46:50 | 78,19  |
| 1109 | 13:28:35 | 73,28  | 1164 | 13:33:10 | 76,71  | 1219 | 13:37:45 | 75,00  | 1274 | 13:42:20 | 79,67  | 1329 | 13:46:55 | 77,67  |
| 1110 | 13:28:40 | 74,98  | 1165 | 13:33:15 | 78,24  | 1220 | 13:37:50 | 76,06  | 1275 | 13:42:25 | 79,41  | 1330 | 13:47:00 | 77,57  |
| 1111 | 13:28:45 | 75,82  | 1166 | 13:33:20 | 79,45  | 1221 | 13:37:55 | 76,22  | 1276 | 13:42:30 | 79,50  | 1331 | 13:47:05 | 77,76  |
| 1112 | 13:28:50 | 76,44  | 1167 | 13:33:25 | 80,47  | 1222 | 13:38:00 | 79,02  | 1277 | 13:42:35 | 79,85  | 1332 | 13:47:10 | 77,85  |
| 1113 | 13:28:55 | 76,60  | 1168 | 13:33:30 | 79,83  | 1223 | 13:38:05 | 79,80  | 1278 | 13:42:40 | 79,61  | 1333 | 13:47:15 | 77,99  |
| 1114 | 13:29:00 | 74,63  | 1169 | 13:33:35 | 83,92  | 1224 | 13:38:10 | 80,55  | 1279 | 13:42:45 | 79,60  | 1334 | 13:47:20 | 78,23  |
| 1115 | 13:29:05 | 74,20  | 1170 | 13:33:40 | 78,25  | 1225 | 13:38:15 | 80,33  | 1280 | 13:42:50 | 78,95  | 1335 | 13:47:25 | 77,84  |
| 1116 | 13:29:10 | 75,27  | 1171 | 13:33:45 | 78,41  | 1226 | 13:38:20 | 79,88  | 1281 | 13:42:55 | 79,16  | 1336 | 13:47:30 | 76,64  |
| 1117 | 13:29:15 | 77,13  | 1172 | 13:33:50 | 78,73  | 1227 | 13:38:25 | 80,14  | 1282 | 13:43:00 | 80,06  | 1337 | 13:47:35 | 75,35  |
| 1118 | 13:29:20 | 76,58  | 1173 | 13:33:55 | 77,75  | 1228 | 13:38:30 | 79,55  | 1283 | 13:43:05 | 79,64  | 1338 | 13:47:40 | 75,09  |
| 1119 | 13:29:25 | 75,44  | 1174 | 13:34:00 | 77,32  | 1229 | 13:38:35 | 79,55  | 1284 | 13:43:10 | 79,12  | 1339 | 13:47:45 | 77,49  |
| 1120 | 13:29:30 | 74,47  | 1175 | 13:34:05 | 77,64  | 1230 | 13:38:40 | 80,71  | 1285 | 13:43:15 | 78,81  | 1340 | 13:47:50 | 76,03  |
| 1121 | 13:29:35 | 75,55  | 1176 | 13:34:10 | 77,20  | 1231 | 13:38:45 | 80,34  | 1286 | 13:43:20 | 78,25  | 1341 | 13:47:55 | 76,25  |
| 1122 | 13:29:40 | 77,23  | 1177 | 13:34:15 | 78,36  | 1232 | 13:38:50 | 80,19  | 1287 | 13:43:25 | 78,84  | 1342 | 13:48:00 | 77,80  |
| 1123 | 13:29:45 | 77,25  | 1178 | 13:34:20 | 78,96  | 1233 | 13:38:55 | 80,62  | 1288 | 13:43:30 | 78,20  | 1343 | 13:48:05 | 78,52  |
| 1124 | 13:29:50 | 76,68  | 1179 | 13:34:25 | 79,41  | 1234 | 13:39:00 | 80,24  | 1289 | 13:43:35 | 78,22  | 1344 | 13:48:10 | 75,66  |
| 1125 | 13:29:55 | 76,40  | 1180 | 13:34:30 | 80,49  | 1235 | 13:39:05 | 80,35  | 1290 | 13:43:40 | 79,78  | 1345 | 13:48:15 | 76,27  |
| 1126 | 13:30:00 | 74,35  | 1181 | 13:34:35 | 79,34  | 1236 | 13:39:10 | 80,27  | 1291 | 13:43:45 | 79,94  | 1346 | 13:48:20 | 75,33  |
| 1127 | 13:30:05 | 75,26  | 1182 | 13:34:40 | 79,03  | 1237 | 13:39:15 | 80,00  | 1292 | 13:43:50 | 80,00  | 1347 | 13:48:25 | 75,16  |
| 1128 | 13:30:10 | 76,09  | 1183 | 13:34:45 | 79,42  | 1238 | 13:39:20 | 80,15  | 1293 | 13:43:55 | 79,61  | 1348 | 13:48:30 | 74,58  |
| 1129 | 13:30:15 | 75,36  | 1184 | 13:34:50 | 79,31  | 1239 | 13:39:25 | 79,81  | 1294 | 13:44:00 | 79,21  | 1349 | 13:48:35 | 74,56  |
| 1130 | 13:30:20 | 75,69  | 1185 | 13:34:55 | 78,82  | 1240 | 13:39:30 | 79,63  | 1295 | 13:44:05 | 79,03  | 1350 | 13:48:40 | 73,02  |
| 1131 | 13:30:25 | 77,83  | 1186 | 13:35:00 | 79,25  | 1241 | 13:39:35 | 79,99  | 1296 | 13:44:10 | 78,32  | 1351 | 13:48:45 | 71,79  |
| 1132 | 13:30:30 | 77,78  | 1187 | 13:35:05 | 79,69  | 1242 | 13:39:40 | 80,28  | 1297 | 13:44:15 | 78,80  | 1352 | 13:48:50 | 73,61  |
| 1133 | 13:30:35 | 77,80  | 1188 | 13:35:10 | 79,79  | 1243 | 13:39:45 | 79,87  | 1298 | 13:44:20 | 78,37  | 1353 | 13:48:55 | 73,98  |
| 1134 | 13:30:40 | 77,57  | 1189 | 13:35:15 | 79,65  | 1244 | 13:39:50 | 80,10  | 1299 | 13:44:25 | 78,56  | 1354 | 13:49:00 | 72,56  |
| 1135 | 13:30:45 | 77,61  | 1190 | 13:35:20 | 78,53  | 1245 | 13:39:55 | 79,62  | 1300 | 13:44:30 | 77,98  | 1355 | 13:49:05 | 73,05  |
| 1136 | 13:30:50 | 76,41  | 1191 | 13:35:25 | 78,25  | 1246 | 13:40:00 | 79,03  | 1301 | 13:44:35 | 78,23  | 1356 | 13:49:10 | 73,66  |
| 1137 | 13:30:55 | 75,66  | 1192 | 13:35:30 | 76,52  | 1247 | 13:40:05 | 78,75  | 1302 | 13:44:40 | 78,77  | 1357 | 13:49:15 | 72,17  |
| 1138 | 13:31:00 | 75,96  | 1193 | 13:35:35 | 76,74  | 1248 | 13:40:10 | 79,78  | 1303 | 13:44:45 | 78,25  | 1358 | 13:49:20 | 69,81  |
| 1139 | 13:31:05 | 77,45  | 1194 | 13:35:40 | 77,25  | 1249 | 13:40:15 | 79,92  | 1304 | 13:44:50 | 76,33  | 1359 | 13:49:25 | 77,56  |
| 1140 | 13:31:10 | 78,48  | 1195 | 13:35:45 | 77,66  | 1250 | 13:40:20 | 80,41  | 1305 | 13:44:55 | 73,34  | 1360 | 13:49:30 | 69,72  |
| 1141 | 13:31:15 | 77,50  | 1196 | 13:35:50 | 78,18  | 1251 | 13:40:25 | 80,80  | 1306 | 13:45:00 | 75,47  | 1361 | 13:49:35 | 80,95  |
| 1142 | 13:31:20 | 77,67  | 1197 | 13:35:55 | 79,27  | 1252 | 13:40:30 | 80,37  | 1307 | 13:45:05 | 78,87  | 1362 | 13:49:40 | 76,99  |
| 1143 | 13:31:25 | 73,84  | 1198 | 13:36:00 | 80,33  | 1253 | 13:40:35 | 79,14  | 1308 | 13:45:10 | 80,31  | 1363 | 13:49:45 | 74,61  |
| 1144 | 13:31:30 | 75,35  | 1199 | 13:36:05 | 80,51  | 1254 | 13:40:40 | 78,42  | 1309 | 13:45:15 | 80,60  | 1364 | 13:49:50 | 70,91  |
| 1145 | 13:31:35 | 76,80  | 1200 | 13:36:10 | 78,42  | 1255 | 13:40:45 | 79,02  | 1310 | 13:45:20 | 80,62  | 1365 | 13:49:55 | 63,61  |
| 1146 | 13:31:40 | 76,07  | 1201 | 13:36:15 | 77,88  | 1256 | 13:40:50 | 79,79  | 1311 | 13:45:25 | 80,95  | 1366 | 13:50:00 | 52,46  |
| 1147 | 13:31:45 | 76,82  | 1202 | 13:36:20 | 78,63  | 1257 | 13:40:55 | 79,09  | 1312 | 13:45:30 | 80,97  | 1367 | 13:50:05 | 50,27  |
| 1148 | 13:31:50 | 77,42  | 1203 | 13:36:25 | 79,55  | 1258 | 13:41:00 | 78,42  | 1313 | 13:45:35 | 81,42  | 1368 | 13:50:10 | 66,47  |
| 1149 | 13:31:55 | 77,64  | 1204 | 13:36:30 | 79,70  | 1259 | 13:41:05 | 79,01  | 1314 | 13:45:40 | 81,57  | 1369 | 13:50:15 | 80,15  |
| 1150 | 13:32:00 | 77,61  | 1205 | 13:36:35 | 79,87  | 1260 | 13:41:10 | 77,85  | 1315 | 13:45:45 | 83,06  | 1370 | 13:50:20 | 72,10  |
| 1151 | 13:32:05 | 76,19  | 1206 | 13:36:40 | 81,01  | 1261 | 13:41:15 | 77,27  | 1316 | 13:45:50 | 81,18  | 1371 | 13:50:25 | 63,99  |
| 1152 | 13:32:10 | 75,13  | 1207 | 13:36:45 | 79,56  | 1262 | 13:41:20 | 77,50  | 1317 | 13:45:55 | 81,05  | 1372 | 13:50:30 | 63,80  |
| 1153 | 13:32:15 | 75,84  | 1208 | 13:36:50 | 88,22  | 1263 | 13:41:25 | 78,29  | 1318 | 13:46:00 | 80,62  | 1373 | 13:50:35 | 52,87  |
| 1154 | 13:32:20 | 77,43  | 1209 | 13:36:55 | 86,09  | 1264 | 13:41:30 | 79,23  | 1319 | 13:46:05 | 79,32  | 1374 | 13:50:40 | 59,27  |
| 1155 | 13:32:25 | 77,01  | 1210 | 13:37:00 | 77,38  | 1265 | 13:41:35 | 81,21  | 1320 | 13:46:10 | 79,35  | 1375 | 13:50:45 | 53,10  |

Relatório dosimetria de ruído @ SONUS 2 SN: 032005135

| Ind  | D/H      | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] |
|------|----------|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|
| 1376 | 13:50:50 | 76,80  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1377 | 13:50:55 | 72,89  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1378 | 13:51:00 | 64,64  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1379 | 13:51:05 | 76,93  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1380 | 13:51:10 | 81,27  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1381 | 13:51:15 | 77,62  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1382 | 13:51:20 | 83,21  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1383 | 13:51:25 | 71,85  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1384 | 13:51:30 | 72,47  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1385 | 13:51:35 | 62,93  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1386 | 13:51:40 | 58,00  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1387 | 13:51:45 | 56,36  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1388 | 13:51:50 | 55,61  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1389 | 13:51:55 | 64,35  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1390 | 13:52:00 | 73,49  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1391 | 13:52:05 | 72,71  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1392 | 13:52:10 | 73,63  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1393 | 13:52:15 | 79,41  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1394 | 13:52:20 | 64,80  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1395 | 13:52:25 | 72,87  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1396 | 13:52:30 | 63,66  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1397 | 13:52:35 | 64,57  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1398 | 13:52:40 | 69,17  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1399 | 13:52:45 | 87,12  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1400 | 13:52:50 | 88,94  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1401 | 13:52:55 | 89,10  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1402 | 13:53:00 | 74,76  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1403 | 13:53:05 | 66,08  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1404 | 13:53:10 | 72,20  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1405 | 13:53:15 | 70,27  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1406 | 13:53:20 | 67,39  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1407 | 13:53:25 | 74,64  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1408 | 13:53:30 | 68,85  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1409 | 13:53:35 | 72,91  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1410 | 13:53:40 | 70,10  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1411 | 13:53:45 | 62,12  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1412 | 13:53:50 | 58,57  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1413 | 13:53:55 | 71,37  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1414 | 13:54:00 | 69,66  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1415 | 13:54:05 | 70,86  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1416 | 13:54:10 | 69,36  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1417 | 13:54:15 | 74,38  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1418 | 13:54:20 | 76,35  |     |     |        |     |     |        |     |     |        |     |     |        |

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: SEC DE OBRAS  
Funcionário avaliado: MOTORISTA  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRABALHO  
Realizado por: ENGª THAIS LUANA GRZEGOZESKI  
Data: 12/08/2025

Configuração dos dosímetros

Dosímetro NR15  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 5

Dosímetro NHO01  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

Dosímetro USER  
Curva de ponderação: A  
Ponderação de tempo: Lenta (S)  
Nível limiar (TL) [dB]: 80  
Critério de referência (CR) [dB]: 85  
Duplicação de dose (Q) [dB]: 3

Resultado da avaliação

Duração: 03:46:38

Início: 13:24:52

Dosímetro NR15

Dose [%]: 64,74

Dose diária [%]: 137,12

Lavg [dB]: 87,28

NE [dB]: 87,28

NEN [dB]: 87,28

TWA [dB]: 81,86

Ocorrências de picos de 115 dB: 0

Tempo em pausa: 00:00:11

Fim: 17:11:22

Dosímetro NHO01

Dose [%]: 243,85

Dose diária [%]: 516,46

Leq [dB]: 92,11

NE [dB]: 92,11

NEN [dB]: 92,11

TWA [dB]: 88,86

Dosímetro USER

Dose [%]: 243,85

Dose diária [%]: 516,46

Leq [dB]: 92,11

NE [dB]: 92,11

NEN [dB]: 0,00

TWA [dB]: 88,86

Registro de calibração

Verificação de campo @ 1kHz

Pré verificação [dB]: 114,00 (12/08/2025 13:24)

Pós verificação [dB]: 113,88 (12/08/2025 17:11)

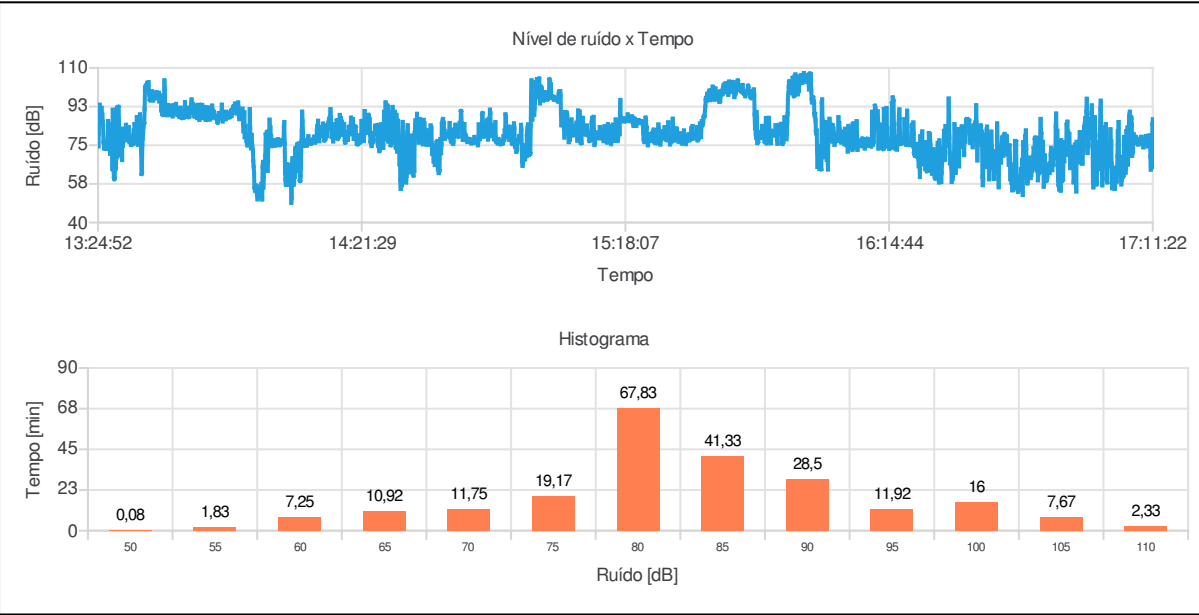
Desvio [dB]: 0,12

Calibração de laboratório

Dosímetro: CRA0131/2025 31/01/2025

Calibrador de áudio:

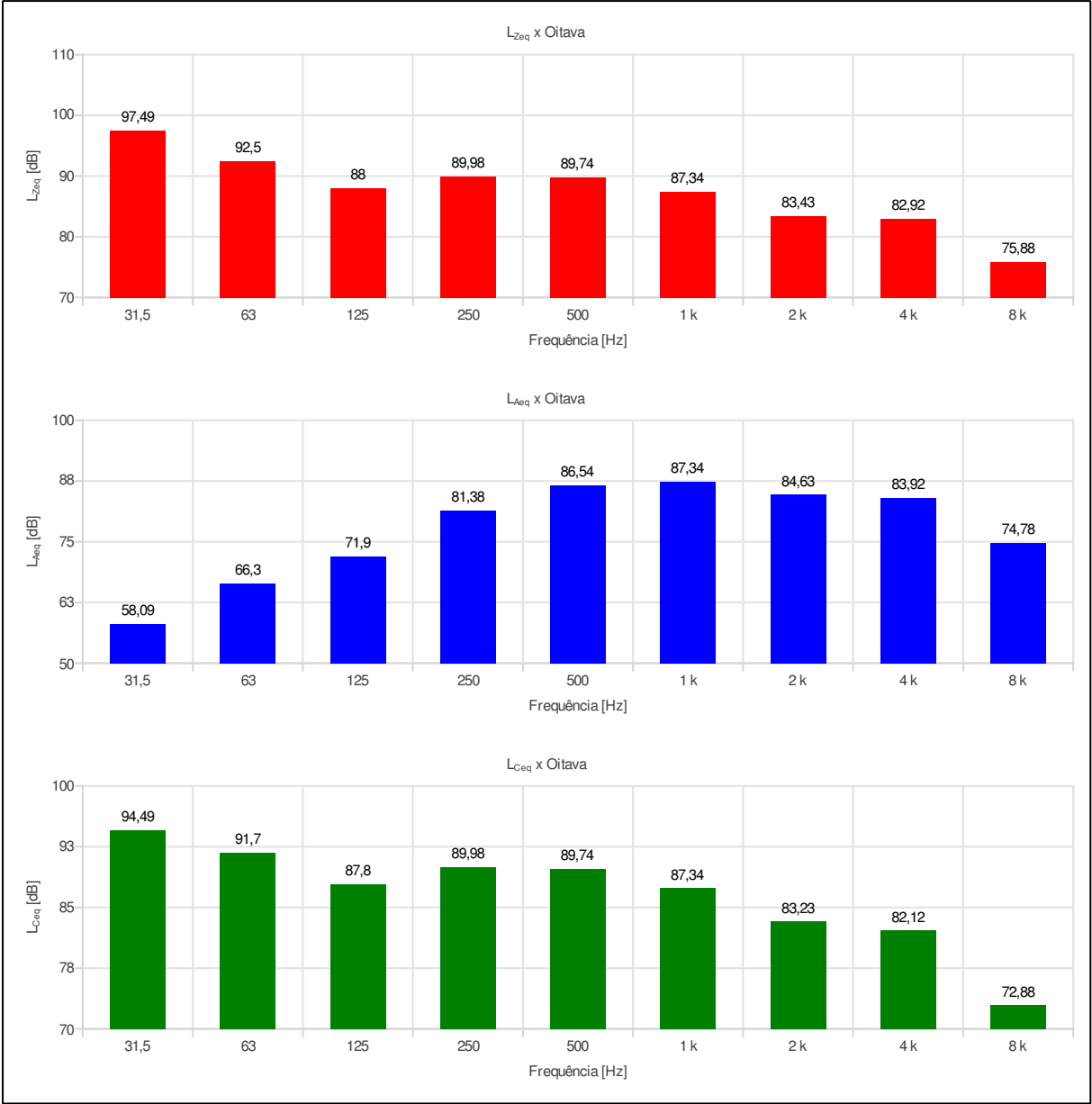
Gráficos



Observações

ENGª THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

**Bandas de oitavas**



**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 13:24:52 | 77,90  | 056 | 13:29:27 | 76,79  | 111 | 13:34:02 | 75,43  | 166 | 13:38:37 | 89,08  | 221 | 13:43:12 | 87,45  |
| 002 | 13:24:57 | 74,50  | 057 | 13:29:32 | 74,44  | 112 | 13:34:07 | 71,55  | 167 | 13:38:42 | 92,15  | 222 | 13:43:17 | 89,86  |
| 003 | 13:25:02 | 80,23  | 058 | 13:29:37 | 70,41  | 113 | 13:34:12 | 61,99  | 168 | 13:38:47 | 91,89  | 223 | 13:43:22 | 88,95  |
| 004 | 13:25:07 | 89,20  | 059 | 13:29:42 | 75,00  | 114 | 13:34:17 | 62,45  | 169 | 13:38:52 | 89,43  | 224 | 13:43:27 | 91,75  |
| 005 | 13:25:12 | 93,32  | 060 | 13:29:47 | 73,90  | 115 | 13:34:22 | 74,98  | 170 | 13:38:57 | 88,68  | 225 | 13:43:32 | 94,49  |
| 006 | 13:25:17 | 86,99  | 061 | 13:29:52 | 78,44  | 116 | 13:34:27 | 77,88  | 171 | 13:39:02 | 97,11  | 226 | 13:43:37 | 89,36  |
| 007 | 13:25:22 | 84,80  | 062 | 13:29:57 | 77,91  | 117 | 13:34:32 | 80,53  | 172 | 13:39:07 | 104,35 | 227 | 13:43:42 | 91,93  |
| 008 | 13:25:27 | 87,13  | 063 | 13:30:02 | 68,29  | 118 | 13:34:37 | 83,08  | 173 | 13:39:12 | 100,51 | 228 | 13:43:47 | 91,05  |
| 009 | 13:25:32 | 87,27  | 064 | 13:30:07 | 82,46  | 119 | 13:34:42 | 85,04  | 174 | 13:39:17 | 92,39  | 229 | 13:43:52 | 91,07  |
| 010 | 13:25:37 | 91,90  | 065 | 13:30:12 | 74,74  | 120 | 13:34:47 | 85,16  | 175 | 13:39:22 | 90,50  | 230 | 13:43:57 | 89,42  |
| 011 | 13:25:42 | 88,90  | 066 | 13:30:17 | 76,37  | 121 | 13:34:52 | 91,49  | 176 | 13:39:27 | 89,82  | 231 | 13:44:02 | 87,89  |
| 012 | 13:25:47 | 88,90  | 067 | 13:30:22 | 78,42  | 122 | 13:34:57 | 100,26 | 177 | 13:39:32 | 88,98  | 232 | 13:44:07 | 89,32  |
| 013 | 13:25:52 | 85,84  | 068 | 13:30:27 | 80,41  | 123 | 13:35:02 | 101,57 | 178 | 13:39:37 | 90,01  | 233 | 13:44:12 | 88,25  |
| 014 | 13:25:57 | 84,50  | 069 | 13:30:32 | 80,47  | 124 | 13:35:07 | 101,77 | 179 | 13:39:42 | 88,63  | 234 | 13:44:17 | 89,77  |
| 015 | 13:26:02 | 76,36  | 070 | 13:30:37 | 79,26  | 125 | 13:35:12 | 102,18 | 180 | 13:39:47 | 90,94  | 235 | 13:44:22 | 87,80  |
| 016 | 13:26:07 | 76,61  | 071 | 13:30:42 | 78,93  | 126 | 13:35:17 | 101,09 | 181 | 13:39:52 | 90,20  | 236 | 13:44:27 | 87,95  |
| 017 | 13:26:12 | 73,51  | 072 | 13:30:47 | 78,27  | 127 | 13:35:22 | 100,03 | 182 | 13:39:57 | 93,21  | 237 | 13:44:32 | 91,96  |
| 018 | 13:26:17 | 73,98  | 073 | 13:30:52 | 84,22  | 128 | 13:35:27 | 103,18 | 183 | 13:40:02 | 88,88  | 238 | 13:44:37 | 90,12  |
| 019 | 13:26:22 | 76,68  | 074 | 13:30:57 | 83,51  | 129 | 13:35:32 | 100,62 | 184 | 13:40:07 | 91,06  | 239 | 13:44:42 | 89,72  |
| 020 | 13:26:27 | 74,38  | 075 | 13:31:02 | 77,32  | 130 | 13:35:37 | 101,45 | 185 | 13:40:12 | 90,96  | 240 | 13:44:47 | 92,18  |
| 021 | 13:26:32 | 75,47  | 076 | 13:31:07 | 80,49  | 131 | 13:35:42 | 103,54 | 186 | 13:40:17 | 89,15  | 241 | 13:44:52 | 94,23  |
| 022 | 13:26:37 | 76,95  | 077 | 13:31:12 | 79,56  | 132 | 13:35:47 | 99,87  | 187 | 13:40:22 | 92,08  | 242 | 13:44:57 | 95,69  |
| 023 | 13:26:42 | 76,41  | 078 | 13:31:17 | 82,72  | 133 | 13:35:52 | 98,14  | 188 | 13:40:27 | 92,70  | 243 | 13:45:02 | 91,49  |
| 024 | 13:26:47 | 73,27  | 079 | 13:31:22 | 81,81  | 134 | 13:35:57 | 95,71  | 189 | 13:40:32 | 90,64  | 244 | 13:45:07 | 89,80  |
| 025 | 13:26:52 | 76,35  | 080 | 13:31:27 | 83,15  | 135 | 13:36:02 | 96,06  | 190 | 13:40:37 | 91,90  | 245 | 13:45:12 | 93,62  |
| 026 | 13:26:57 | 78,50  | 081 | 13:31:32 | 76,69  | 136 | 13:36:07 | 95,35  | 191 | 13:40:42 | 89,79  | 246 | 13:45:17 | 92,29  |
| 027 | 13:27:02 | 85,93  | 082 | 13:31:37 | 76,93  | 137 | 13:36:12 | 96,75  | 192 | 13:40:47 | 88,82  | 247 | 13:45:22 | 90,33  |
| 028 | 13:27:07 | 83,95  | 083 | 13:31:42 | 76,53  | 138 | 13:36:17 | 96,35  | 193 | 13:40:52 | 88,10  | 248 | 13:45:27 | 88,47  |
| 029 | 13:27:12 | 77,47  | 084 | 13:31:47 | 78,19  | 139 | 13:36:22 | 95,59  | 194 | 13:40:57 | 91,73  | 249 | 13:45:32 | 89,64  |
| 030 | 13:27:17 | 79,25  | 085 | 13:31:52 | 76,28  | 140 | 13:36:27 | 99,40  | 195 | 13:41:02 | 93,07  | 250 | 13:45:37 | 88,00  |
| 031 | 13:27:22 | 78,16  | 086 | 13:31:57 | 75,12  | 141 | 13:36:32 | 97,55  | 196 | 13:41:07 | 91,69  | 251 | 13:45:42 | 91,63  |
| 032 | 13:27:27 | 71,17  | 087 | 13:32:02 | 77,20  | 142 | 13:36:37 | 96,17  | 197 | 13:41:12 | 89,81  | 252 | 13:45:47 | 92,31  |
| 033 | 13:27:32 | 73,46  | 088 | 13:32:07 | 78,40  | 143 | 13:36:42 | 95,31  | 198 | 13:41:17 | 92,99  | 253 | 13:45:52 | 92,96  |
| 034 | 13:27:37 | 80,67  | 089 | 13:32:12 | 76,79  | 144 | 13:36:47 | 96,20  | 199 | 13:41:22 | 91,24  | 254 | 13:45:57 | 91,60  |
| 035 | 13:27:42 | 84,39  | 090 | 13:32:17 | 76,53  | 145 | 13:36:52 | 96,50  | 200 | 13:41:27 | 91,41  | 255 | 13:46:02 | 92,45  |
| 036 | 13:27:47 | 84,47  | 091 | 13:32:22 | 75,52  | 146 | 13:36:57 | 98,79  | 201 | 13:41:32 | 90,36  | 256 | 13:46:07 | 91,28  |
| 037 | 13:27:52 | 75,86  | 092 | 13:32:27 | 79,69  | 147 | 13:37:02 | 96,40  | 202 | 13:41:37 | 93,71  | 257 | 13:46:12 | 87,31  |
| 038 | 13:27:57 | 64,19  | 093 | 13:32:32 | 81,76  | 148 | 13:37:07 | 96,62  | 203 | 13:41:42 | 91,61  | 258 | 13:46:17 | 88,57  |
| 039 | 13:28:02 | 91,02  | 094 | 13:32:37 | 80,07  | 149 | 13:37:12 | 96,96  | 204 | 13:41:47 | 91,57  | 259 | 13:46:22 | 93,27  |
| 040 | 13:28:07 | 77,92  | 095 | 13:32:42 | 84,60  | 150 | 13:37:17 | 96,52  | 205 | 13:41:52 | 88,88  | 260 | 13:46:27 | 89,83  |
| 041 | 13:28:12 | 63,83  | 096 | 13:32:47 | 83,97  | 151 | 13:37:22 | 98,50  | 206 | 13:41:57 | 90,52  | 261 | 13:46:32 | 87,33  |
| 042 | 13:28:17 | 60,09  | 097 | 13:32:52 | 80,84  | 152 | 13:37:27 | 99,00  | 207 | 13:42:02 | 90,84  | 262 | 13:46:37 | 86,49  |
| 043 | 13:28:22 | 59,68  | 098 | 13:32:57 | 78,51  | 153 | 13:37:32 | 96,90  | 208 | 13:42:07 | 88,99  | 263 | 13:46:42 | 87,70  |
| 044 | 13:28:27 | 60,21  | 099 | 13:33:02 | 75,97  | 154 | 13:37:37 | 96,41  | 209 | 13:42:12 | 88,55  | 264 | 13:46:47 | 87,46  |
| 045 | 13:28:32 | 71,62  | 100 | 13:33:07 | 80,61  | 155 | 13:37:42 | 96,45  | 210 | 13:42:17 | 89,44  | 265 | 13:46:52 | 87,41  |
| 046 | 13:28:37 | 64,26  | 101 | 13:33:12 | 87,67  | 156 | 13:37:47 | 98,20  | 211 | 13:42:22 | 87,81  | 266 | 13:46:57 | 88,99  |
| 047 | 13:28:42 | 64,55  | 102 | 13:33:17 | 82,46  | 157 | 13:37:52 | 96,95  | 212 | 13:42:27 | 87,74  | 267 | 13:47:02 | 91,38  |
| 048 | 13:28:47 | 71,34  | 103 | 13:33:22 | 80,63  | 158 | 13:37:57 | 98,70  | 213 | 13:42:32 | 91,96  | 268 | 13:47:07 | 93,27  |
| 049 | 13:28:52 | 69,62  | 104 | 13:33:27 | 75,28  | 159 | 13:38:02 | 94,84  | 214 | 13:42:37 | 89,80  | 269 | 13:47:12 | 93,23  |
| 050 | 13:28:57 | 92,01  | 105 | 13:33:32 | 82,12  | 160 | 13:38:07 | 97,58  | 215 | 13:42:42 | 88,05  | 270 | 13:47:17 | 88,97  |
| 051 | 13:29:02 | 91,86  | 106 | 13:33:37 | 81,42  | 161 | 13:38:12 | 95,13  | 216 | 13:42:47 | 87,64  | 271 | 13:47:22 | 89,91  |
| 052 | 13:29:07 | 91,03  | 107 | 13:33:42 | 83,70  | 162 | 13:38:17 | 96,98  | 217 | 13:42:52 | 87,38  | 272 | 13:47:27 | 89,07  |
| 053 | 13:29:12 | 92,18  | 108 | 13:33:47 | 84,22  | 163 | 13:38:22 | 95,68  | 218 | 13:42:57 | 88,28  | 273 | 13:47:32 | 87,40  |
| 054 | 13:29:17 | 92,37  | 109 | 13:33:52 | 88,93  | 164 | 13:38:27 | 90,74  | 219 | 13:43:02 | 87,94  | 274 | 13:47:37 | 87,89  |
| 055 | 13:29:22 | 85,54  | 110 | 13:33:57 | 87,39  | 165 | 13:38:32 | 92,65  | 220 | 13:43:07 | 88,30  | 275 | 13:47:42 | 92,32  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 13:47:47 | 90,88  | 331 | 13:52:22 | 88,44  | 386 | 13:56:57 | 74,95  | 441 | 14:01:32 | 81,37  | 496 | 14:06:07 | 63,37  |
| 277 | 13:47:52 | 92,17  | 332 | 13:52:27 | 90,09  | 387 | 13:57:02 | 77,50  | 442 | 14:01:37 | 78,08  | 497 | 14:06:12 | 63,52  |
| 278 | 13:47:57 | 86,75  | 333 | 13:52:32 | 89,42  | 388 | 13:57:07 | 77,93  | 443 | 14:01:42 | 86,54  | 498 | 14:06:17 | 63,96  |
| 279 | 13:48:02 | 88,56  | 334 | 13:52:37 | 87,69  | 389 | 13:57:12 | 77,58  | 444 | 14:01:47 | 79,77  | 499 | 14:06:22 | 48,94  |
| 280 | 13:48:07 | 86,48  | 335 | 13:52:42 | 87,70  | 390 | 13:57:17 | 77,90  | 445 | 14:01:52 | 83,14  | 500 | 14:06:27 | 51,14  |
| 281 | 13:48:12 | 87,13  | 336 | 13:52:47 | 88,86  | 391 | 13:57:22 | 79,12  | 446 | 14:01:57 | 79,23  | 501 | 14:06:32 | 66,83  |
| 282 | 13:48:17 | 89,16  | 337 | 13:52:52 | 87,77  | 392 | 13:57:27 | 91,38  | 447 | 14:02:02 | 79,22  | 502 | 14:06:37 | 69,09  |
| 283 | 13:48:22 | 89,26  | 338 | 13:52:57 | 87,71  | 393 | 13:57:32 | 82,80  | 448 | 14:02:07 | 75,71  | 503 | 14:06:42 | 62,93  |
| 284 | 13:48:27 | 92,06  | 339 | 13:53:02 | 88,51  | 394 | 13:57:37 | 75,67  | 449 | 14:02:12 | 74,64  | 504 | 14:06:47 | 58,58  |
| 285 | 13:48:32 | 89,35  | 340 | 13:53:07 | 88,44  | 395 | 13:57:42 | 73,66  | 450 | 14:02:17 | 75,14  | 505 | 14:06:52 | 57,14  |
| 286 | 13:48:37 | 91,81  | 341 | 13:53:12 | 87,78  | 396 | 13:57:47 | 76,50  | 451 | 14:02:22 | 76,59  | 506 | 14:06:57 | 57,92  |
| 287 | 13:48:42 | 88,52  | 342 | 13:53:17 | 88,66  | 397 | 13:57:52 | 79,68  | 452 | 14:02:27 | 76,82  | 507 | 14:07:02 | 63,72  |
| 288 | 13:48:47 | 87,19  | 343 | 13:53:22 | 88,84  | 398 | 13:57:57 | 75,71  | 453 | 14:02:32 | 75,38  | 508 | 14:07:07 | 60,70  |
| 289 | 13:48:52 | 86,68  | 344 | 13:53:27 | 90,66  | 399 | 13:58:02 | 73,76  | 454 | 14:02:37 | 75,03  | 509 | 14:07:12 | 73,04  |
| 290 | 13:48:57 | 89,46  | 345 | 13:53:32 | 88,23  | 400 | 13:58:07 | 72,58  | 455 | 14:02:42 | 77,28  | 510 | 14:07:17 | 73,68  |
| 291 | 13:49:02 | 89,17  | 346 | 13:53:37 | 90,43  | 401 | 13:58:12 | 68,01  | 456 | 14:02:47 | 76,68  | 511 | 14:07:22 | 63,40  |
| 292 | 13:49:07 | 87,34  | 347 | 13:53:42 | 91,09  | 402 | 13:58:17 | 65,33  | 457 | 14:02:52 | 74,91  | 512 | 14:07:27 | 72,36  |
| 293 | 13:49:12 | 87,79  | 348 | 13:53:47 | 89,73  | 403 | 13:58:22 | 62,84  | 458 | 14:02:57 | 75,18  | 513 | 14:07:32 | 70,66  |
| 294 | 13:49:17 | 90,87  | 349 | 13:53:52 | 92,00  | 404 | 13:58:27 | 55,69  | 459 | 14:03:02 | 75,07  | 514 | 14:07:37 | 75,25  |
| 295 | 13:49:22 | 92,91  | 350 | 13:53:57 | 92,56  | 405 | 13:58:32 | 55,32  | 460 | 14:03:07 | 76,71  | 515 | 14:07:42 | 71,81  |
| 296 | 13:49:27 | 90,80  | 351 | 13:54:02 | 92,75  | 406 | 13:58:37 | 54,38  | 461 | 14:03:12 | 76,60  | 516 | 14:07:47 | 63,89  |
| 297 | 13:49:32 | 87,80  | 352 | 13:54:07 | 89,68  | 407 | 13:58:42 | 54,92  | 462 | 14:03:17 | 75,43  | 517 | 14:07:52 | 69,42  |
| 298 | 13:49:37 | 90,16  | 353 | 13:54:12 | 92,34  | 408 | 13:58:47 | 56,36  | 463 | 14:03:22 | 75,54  | 518 | 14:07:57 | 75,76  |
| 299 | 13:49:42 | 90,14  | 354 | 13:54:17 | 93,82  | 409 | 13:58:52 | 56,76  | 464 | 14:03:27 | 75,68  | 519 | 14:08:02 | 74,89  |
| 300 | 13:49:47 | 88,13  | 355 | 13:54:22 | 92,71  | 410 | 13:58:57 | 53,58  | 465 | 14:03:32 | 77,69  | 520 | 14:08:07 | 67,76  |
| 301 | 13:49:52 | 87,83  | 356 | 13:54:27 | 90,15  | 411 | 13:59:02 | 52,61  | 466 | 14:03:37 | 76,02  | 521 | 14:08:12 | 59,04  |
| 302 | 13:49:57 | 87,52  | 357 | 13:54:32 | 89,46  | 412 | 13:59:07 | 50,53  | 467 | 14:03:42 | 75,93  | 522 | 14:08:17 | 58,83  |
| 303 | 13:50:02 | 87,82  | 358 | 13:54:37 | 91,99  | 413 | 13:59:12 | 54,13  | 468 | 14:03:47 | 76,01  | 523 | 14:08:22 | 60,93  |
| 304 | 13:50:07 | 87,46  | 359 | 13:54:42 | 92,23  | 414 | 13:59:17 | 55,39  | 469 | 14:03:52 | 75,03  | 524 | 14:08:27 | 65,02  |
| 305 | 13:50:12 | 87,15  | 360 | 13:54:47 | 91,39  | 415 | 13:59:22 | 55,49  | 470 | 14:03:57 | 76,84  | 525 | 14:08:32 | 76,66  |
| 306 | 13:50:17 | 87,27  | 361 | 13:54:52 | 92,96  | 416 | 13:59:27 | 53,24  | 471 | 14:04:02 | 76,78  | 526 | 14:08:37 | 81,48  |
| 307 | 13:50:22 | 88,18  | 362 | 13:54:57 | 94,33  | 417 | 13:59:32 | 51,69  | 472 | 14:04:07 | 76,26  | 527 | 14:08:42 | 90,16  |
| 308 | 13:50:27 | 86,49  | 363 | 13:55:02 | 92,13  | 418 | 13:59:37 | 54,38  | 473 | 14:04:12 | 77,04  | 528 | 14:08:47 | 85,87  |
| 309 | 13:50:32 | 85,26  | 364 | 13:55:07 | 88,37  | 419 | 13:59:42 | 52,46  | 474 | 14:04:17 | 77,15  | 529 | 14:08:52 | 81,26  |
| 310 | 13:50:37 | 85,80  | 365 | 13:55:12 | 86,81  | 420 | 13:59:47 | 53,86  | 475 | 14:04:22 | 76,93  | 530 | 14:08:57 | 75,74  |
| 311 | 13:50:42 | 88,23  | 366 | 13:55:17 | 88,45  | 421 | 13:59:52 | 54,18  | 476 | 14:04:27 | 76,75  | 531 | 14:09:02 | 74,67  |
| 312 | 13:50:47 | 89,49  | 367 | 13:55:22 | 90,06  | 422 | 13:59:57 | 57,51  | 477 | 14:04:32 | 76,49  | 532 | 14:09:07 | 76,01  |
| 313 | 13:50:52 | 87,40  | 368 | 13:55:27 | 87,52  | 423 | 14:00:02 | 55,86  | 478 | 14:04:37 | 75,83  | 533 | 14:09:12 | 77,20  |
| 314 | 13:50:57 | 87,28  | 369 | 13:55:32 | 90,22  | 424 | 14:00:07 | 50,47  | 479 | 14:04:42 | 77,01  | 534 | 14:09:17 | 75,56  |
| 315 | 13:51:02 | 89,18  | 370 | 13:55:37 | 87,23  | 425 | 14:00:12 | 65,18  | 480 | 14:04:47 | 83,68  | 535 | 14:09:22 | 75,87  |
| 316 | 13:51:07 | 88,75  | 371 | 13:55:42 | 88,85  | 426 | 14:00:17 | 67,41  | 481 | 14:04:52 | 85,48  | 536 | 14:09:27 | 76,90  |
| 317 | 13:51:12 | 88,64  | 372 | 13:55:47 | 87,97  | 427 | 14:00:22 | 55,86  | 482 | 14:04:57 | 75,92  | 537 | 14:09:32 | 75,21  |
| 318 | 13:51:17 | 89,62  | 373 | 13:55:52 | 91,54  | 428 | 14:00:27 | 60,57  | 483 | 14:05:02 | 62,57  | 538 | 14:09:37 | 75,80  |
| 319 | 13:51:22 | 89,37  | 374 | 13:55:57 | 88,15  | 429 | 14:00:32 | 66,48  | 484 | 14:05:07 | 59,31  | 539 | 14:09:42 | 74,86  |
| 320 | 13:51:27 | 93,34  | 375 | 13:56:02 | 83,95  | 430 | 14:00:37 | 67,11  | 485 | 14:05:12 | 57,17  | 540 | 14:09:47 | 76,84  |
| 321 | 13:51:32 | 87,92  | 376 | 13:56:07 | 81,28  | 431 | 14:00:42 | 67,50  | 486 | 14:05:17 | 61,35  | 541 | 14:09:52 | 77,39  |
| 322 | 13:51:37 | 85,83  | 377 | 13:56:12 | 86,33  | 432 | 14:00:47 | 70,35  | 487 | 14:05:22 | 66,36  | 542 | 14:09:57 | 78,11  |
| 323 | 13:51:42 | 88,85  | 378 | 13:56:17 | 89,91  | 433 | 14:00:52 | 79,86  | 488 | 14:05:27 | 66,30  | 543 | 14:10:02 | 79,04  |
| 324 | 13:51:47 | 87,35  | 379 | 13:56:22 | 78,65  | 434 | 14:00:57 | 79,18  | 489 | 14:05:32 | 57,12  | 544 | 14:10:07 | 77,00  |
| 325 | 13:51:52 | 89,96  | 380 | 13:56:27 | 82,14  | 435 | 14:01:02 | 78,30  | 490 | 14:05:37 | 64,63  | 545 | 14:10:12 | 76,84  |
| 326 | 13:51:57 | 89,75  | 381 | 13:56:32 | 83,74  | 436 | 14:01:07 | 80,99  | 491 | 14:05:42 | 61,31  | 546 | 14:10:17 | 76,71  |
| 327 | 13:52:02 | 90,01  | 382 | 13:56:37 | 79,63  | 437 | 14:01:12 | 71,33  | 492 | 14:05:47 | 60,79  | 547 | 14:10:22 | 77,07  |
| 328 | 13:52:07 | 87,99  | 383 | 13:56:42 | 78,23  | 438 | 14:01:17 | 63,39  | 493 | 14:05:52 | 66,11  | 548 | 14:10:27 | 75,88  |
| 329 | 13:52:12 | 89,29  | 384 | 13:56:47 | 76,43  | 439 | 14:01:22 | 67,01  | 494 | 14:05:57 | 60,14  | 549 | 14:10:32 | 76,05  |
| 330 | 13:52:17 | 86,78  | 385 | 13:56:52 | 75,93  | 440 | 14:01:27 | 79,76  | 495 | 14:06:02 | 59,36  | 550 | 14:10:37 | 75,76  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 14:10:42 | 76,63  | 606 | 14:15:17 | 78,57  | 661 | 14:19:52 | 83,40  | 716 | 14:24:27 | 80,13  | 771 | 14:29:02 | 83,77  |
| 552 | 14:10:47 | 76,90  | 607 | 14:15:22 | 76,73  | 662 | 14:19:57 | 81,12  | 717 | 14:24:32 | 83,68  | 772 | 14:29:07 | 72,13  |
| 553 | 14:10:52 | 76,07  | 608 | 14:15:27 | 79,46  | 663 | 14:20:02 | 82,93  | 718 | 14:24:37 | 83,69  | 773 | 14:29:12 | 74,64  |
| 554 | 14:10:57 | 76,76  | 609 | 14:15:32 | 82,60  | 664 | 14:20:07 | 83,17  | 719 | 14:24:42 | 80,71  | 774 | 14:29:17 | 86,04  |
| 555 | 14:11:02 | 77,65  | 610 | 14:15:37 | 82,45  | 665 | 14:20:12 | 83,32  | 720 | 14:24:47 | 83,90  | 775 | 14:29:22 | 81,65  |
| 556 | 14:11:07 | 77,01  | 611 | 14:15:42 | 78,20  | 666 | 14:20:17 | 79,05  | 721 | 14:24:52 | 84,06  | 776 | 14:29:27 | 79,46  |
| 557 | 14:11:12 | 77,34  | 612 | 14:15:47 | 84,62  | 667 | 14:20:22 | 77,16  | 722 | 14:24:57 | 75,64  | 777 | 14:29:32 | 76,14  |
| 558 | 14:11:17 | 78,89  | 613 | 14:15:52 | 81,98  | 668 | 14:20:27 | 75,59  | 723 | 14:25:02 | 74,71  | 778 | 14:29:37 | 66,36  |
| 559 | 14:11:22 | 77,91  | 614 | 14:15:57 | 79,66  | 669 | 14:20:32 | 76,25  | 724 | 14:25:07 | 78,29  | 779 | 14:29:42 | 71,75  |
| 560 | 14:11:27 | 76,33  | 615 | 14:16:02 | 79,12  | 670 | 14:20:37 | 75,48  | 725 | 14:25:12 | 73,67  | 780 | 14:29:47 | 59,36  |
| 561 | 14:11:32 | 76,28  | 616 | 14:16:07 | 86,20  | 671 | 14:20:42 | 75,96  | 726 | 14:25:17 | 72,33  | 781 | 14:29:52 | 55,24  |
| 562 | 14:11:37 | 76,73  | 617 | 14:16:12 | 85,56  | 672 | 14:20:47 | 77,48  | 727 | 14:25:22 | 73,07  | 782 | 14:29:57 | 77,19  |
| 563 | 14:11:42 | 77,12  | 618 | 14:16:17 | 86,20  | 673 | 14:20:52 | 77,53  | 728 | 14:25:27 | 82,77  | 783 | 14:30:02 | 64,77  |
| 564 | 14:11:47 | 77,11  | 619 | 14:16:22 | 77,98  | 674 | 14:20:57 | 79,40  | 729 | 14:25:32 | 82,51  | 784 | 14:30:07 | 56,87  |
| 565 | 14:11:52 | 82,16  | 620 | 14:16:27 | 78,22  | 675 | 14:21:02 | 77,66  | 730 | 14:25:37 | 84,44  | 785 | 14:30:12 | 58,22  |
| 566 | 14:11:57 | 83,71  | 621 | 14:16:32 | 78,69  | 676 | 14:21:07 | 76,29  | 731 | 14:25:42 | 77,58  | 786 | 14:30:17 | 85,54  |
| 567 | 14:12:02 | 80,43  | 622 | 14:16:37 | 79,25  | 677 | 14:21:12 | 76,61  | 732 | 14:25:47 | 77,35  | 787 | 14:30:22 | 78,30  |
| 568 | 14:12:07 | 86,04  | 623 | 14:16:42 | 85,10  | 678 | 14:21:17 | 76,70  | 733 | 14:25:52 | 74,07  | 788 | 14:30:27 | 78,93  |
| 569 | 14:12:12 | 79,06  | 624 | 14:16:47 | 88,71  | 679 | 14:21:22 | 77,91  | 734 | 14:25:57 | 74,11  | 789 | 14:30:32 | 68,18  |
| 570 | 14:12:17 | 81,08  | 625 | 14:16:52 | 86,26  | 680 | 14:21:27 | 86,00  | 735 | 14:26:02 | 76,24  | 790 | 14:30:37 | 77,67  |
| 571 | 14:12:22 | 76,82  | 626 | 14:16:57 | 87,41  | 681 | 14:21:32 | 81,23  | 736 | 14:26:07 | 73,82  | 791 | 14:30:42 | 76,37  |
| 572 | 14:12:27 | 82,85  | 627 | 14:17:02 | 86,23  | 682 | 14:21:37 | 82,08  | 737 | 14:26:12 | 79,65  | 792 | 14:30:47 | 70,90  |
| 573 | 14:12:32 | 82,62  | 628 | 14:17:07 | 86,34  | 683 | 14:21:42 | 77,08  | 738 | 14:26:17 | 90,08  | 793 | 14:30:52 | 63,40  |
| 574 | 14:12:37 | 83,27  | 629 | 14:17:12 | 85,23  | 684 | 14:21:47 | 81,20  | 739 | 14:26:22 | 81,23  | 794 | 14:30:57 | 65,31  |
| 575 | 14:12:42 | 83,27  | 630 | 14:17:17 | 81,87  | 685 | 14:21:52 | 81,69  | 740 | 14:26:27 | 78,50  | 795 | 14:31:02 | 58,16  |
| 576 | 14:12:47 | 81,27  | 631 | 14:17:22 | 84,24  | 686 | 14:21:57 | 76,90  | 741 | 14:26:32 | 87,52  | 796 | 14:31:07 | 61,03  |
| 577 | 14:12:52 | 80,69  | 632 | 14:17:27 | 79,68  | 687 | 14:22:02 | 80,57  | 742 | 14:26:37 | 94,36  | 797 | 14:31:12 | 76,31  |
| 578 | 14:12:57 | 79,15  | 633 | 14:17:32 | 82,32  | 688 | 14:22:07 | 90,48  | 743 | 14:26:42 | 88,20  | 798 | 14:31:17 | 80,70  |
| 579 | 14:13:02 | 80,33  | 634 | 14:17:37 | 81,74  | 689 | 14:22:12 | 83,35  | 744 | 14:26:47 | 77,74  | 799 | 14:31:22 | 84,00  |
| 580 | 14:13:07 | 79,16  | 635 | 14:17:42 | 84,64  | 690 | 14:22:17 | 80,48  | 745 | 14:26:52 | 85,54  | 800 | 14:31:27 | 71,81  |
| 581 | 14:13:12 | 84,77  | 636 | 14:17:47 | 79,58  | 691 | 14:22:22 | 86,92  | 746 | 14:26:57 | 90,15  | 801 | 14:31:32 | 72,88  |
| 582 | 14:13:17 | 84,05  | 637 | 14:17:52 | 76,75  | 692 | 14:22:27 | 82,41  | 747 | 14:27:02 | 92,93  | 802 | 14:31:37 | 68,89  |
| 583 | 14:13:22 | 83,07  | 638 | 14:17:57 | 76,22  | 693 | 14:22:32 | 80,73  | 748 | 14:27:07 | 92,17  | 803 | 14:31:42 | 62,76  |
| 584 | 14:13:27 | 77,14  | 639 | 14:18:02 | 77,82  | 694 | 14:22:37 | 83,67  | 749 | 14:27:12 | 76,66  | 804 | 14:31:47 | 64,08  |
| 585 | 14:13:32 | 77,46  | 640 | 14:18:07 | 80,90  | 695 | 14:22:42 | 81,40  | 750 | 14:27:17 | 78,22  | 805 | 14:31:52 | 67,75  |
| 586 | 14:13:37 | 77,56  | 641 | 14:18:12 | 80,96  | 696 | 14:22:47 | 85,34  | 751 | 14:27:22 | 77,69  | 806 | 14:31:57 | 65,62  |
| 587 | 14:13:42 | 77,99  | 642 | 14:18:17 | 80,92  | 697 | 14:22:52 | 84,98  | 752 | 14:27:27 | 81,91  | 807 | 14:32:02 | 79,35  |
| 588 | 14:13:47 | 83,82  | 643 | 14:18:22 | 80,04  | 698 | 14:22:57 | 88,75  | 753 | 14:27:32 | 81,98  | 808 | 14:32:07 | 66,79  |
| 589 | 14:13:52 | 81,34  | 644 | 14:18:27 | 79,67  | 699 | 14:23:02 | 87,86  | 754 | 14:27:37 | 80,75  | 809 | 14:32:12 | 70,06  |
| 590 | 14:13:57 | 79,47  | 645 | 14:18:32 | 77,42  | 700 | 14:23:07 | 84,04  | 755 | 14:27:42 | 75,01  | 810 | 14:32:17 | 73,59  |
| 591 | 14:14:02 | 79,15  | 646 | 14:18:37 | 80,53  | 701 | 14:23:12 | 86,77  | 756 | 14:27:47 | 75,46  | 811 | 14:32:22 | 70,12  |
| 592 | 14:14:07 | 84,03  | 647 | 14:18:42 | 83,37  | 702 | 14:23:17 | 80,06  | 757 | 14:27:52 | 89,87  | 812 | 14:32:27 | 66,80  |
| 593 | 14:14:12 | 82,48  | 648 | 14:18:47 | 82,50  | 703 | 14:23:22 | 76,55  | 758 | 14:27:57 | 83,28  | 813 | 14:32:32 | 61,93  |
| 594 | 14:14:17 | 83,51  | 649 | 14:18:52 | 80,79  | 704 | 14:23:27 | 76,79  | 759 | 14:28:02 | 76,07  | 814 | 14:32:37 | 61,27  |
| 595 | 14:14:22 | 85,38  | 650 | 14:18:57 | 80,00  | 705 | 14:23:32 | 75,86  | 760 | 14:28:07 | 92,32  | 815 | 14:32:42 | 70,12  |
| 596 | 14:14:27 | 85,42  | 651 | 14:19:02 | 80,97  | 706 | 14:23:37 | 74,64  | 761 | 14:28:12 | 82,74  | 816 | 14:32:47 | 63,34  |
| 597 | 14:14:32 | 87,22  | 652 | 14:19:07 | 82,06  | 707 | 14:23:42 | 78,03  | 762 | 14:28:17 | 90,07  | 817 | 14:32:52 | 80,55  |
| 598 | 14:14:37 | 87,11  | 653 | 14:19:12 | 87,46  | 708 | 14:23:47 | 76,92  | 763 | 14:28:22 | 83,89  | 818 | 14:32:57 | 83,88  |
| 599 | 14:14:42 | 87,64  | 654 | 14:19:17 | 86,73  | 709 | 14:23:52 | 77,12  | 764 | 14:28:27 | 80,76  | 819 | 14:33:02 | 86,25  |
| 600 | 14:14:47 | 91,31  | 655 | 14:19:22 | 82,22  | 710 | 14:23:57 | 76,60  | 765 | 14:28:32 | 81,34  | 820 | 14:33:07 | 79,87  |
| 601 | 14:14:52 | 87,30  | 656 | 14:19:27 | 80,69  | 711 | 14:24:02 | 77,18  | 766 | 14:28:37 | 90,10  | 821 | 14:33:12 | 82,19  |
| 602 | 14:14:57 | 83,01  | 657 | 14:19:32 | 82,44  | 712 | 14:24:07 | 80,56  | 767 | 14:28:42 | 82,18  | 822 | 14:33:17 | 82,43  |
| 603 | 14:15:02 | 78,72  | 658 | 14:19:37 | 86,80  | 713 | 14:24:12 | 80,42  | 768 | 14:28:47 | 74,03  | 823 | 14:33:22 | 89,21  |
| 604 | 14:15:07 | 81,02  | 659 | 14:19:42 | 81,07  | 714 | 14:24:17 | 80,61  | 769 | 14:28:52 | 73,72  | 824 | 14:33:27 | 82,45  |
| 605 | 14:15:12 | 81,83  | 660 | 14:19:47 | 77,92  | 715 | 14:24:22 | 83,80  | 770 | 14:28:57 | 88,74  | 825 | 14:33:32 | 79,06  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 14:33:37 | 78,16  | 881 | 14:38:12 | 63,50  | 936 | 14:42:47 | 90,46  | 991  | 14:47:22 | 89,15  | 1046 | 14:51:57 | 79,11  |
| 827 | 14:33:42 | 76,24  | 882 | 14:38:17 | 73,44  | 937 | 14:42:52 | 90,28  | 992  | 14:47:27 | 89,53  | 1047 | 14:52:02 | 77,32  |
| 828 | 14:33:47 | 81,48  | 883 | 14:38:22 | 77,72  | 938 | 14:42:57 | 85,16  | 993  | 14:47:32 | 83,95  | 1048 | 14:52:07 | 77,75  |
| 829 | 14:33:52 | 83,28  | 884 | 14:38:27 | 73,27  | 939 | 14:43:02 | 84,73  | 994  | 14:47:37 | 79,39  | 1049 | 14:52:12 | 81,71  |
| 830 | 14:33:57 | 86,86  | 885 | 14:38:32 | 71,38  | 940 | 14:43:07 | 81,12  | 995  | 14:47:42 | 78,91  | 1050 | 14:52:17 | 79,83  |
| 831 | 14:34:02 | 85,83  | 886 | 14:38:37 | 75,29  | 941 | 14:43:12 | 77,41  | 996  | 14:47:47 | 83,40  | 1051 | 14:52:22 | 88,95  |
| 832 | 14:34:07 | 77,53  | 887 | 14:38:42 | 84,69  | 942 | 14:43:17 | 79,14  | 997  | 14:47:52 | 82,35  | 1052 | 14:52:27 | 87,97  |
| 833 | 14:34:12 | 78,02  | 888 | 14:38:47 | 79,52  | 943 | 14:43:22 | 83,85  | 998  | 14:47:57 | 83,98  | 1053 | 14:52:32 | 80,47  |
| 834 | 14:34:17 | 76,90  | 889 | 14:38:52 | 86,29  | 944 | 14:43:27 | 82,73  | 999  | 14:48:02 | 84,11  | 1054 | 14:52:37 | 83,28  |
| 835 | 14:34:22 | 80,86  | 890 | 14:38:57 | 86,86  | 945 | 14:43:32 | 84,58  | 1000 | 14:48:07 | 83,69  | 1055 | 14:52:42 | 82,53  |
| 836 | 14:34:27 | 79,20  | 891 | 14:39:02 | 83,46  | 946 | 14:43:37 | 79,73  | 1001 | 14:48:12 | 82,39  | 1056 | 14:52:47 | 81,28  |
| 837 | 14:34:32 | 76,00  | 892 | 14:39:07 | 85,21  | 947 | 14:43:42 | 79,52  | 1002 | 14:48:17 | 81,16  | 1057 | 14:52:52 | 83,36  |
| 838 | 14:34:37 | 75,50  | 893 | 14:39:12 | 79,94  | 948 | 14:43:47 | 79,77  | 1003 | 14:48:22 | 86,22  | 1058 | 14:52:57 | 78,94  |
| 839 | 14:34:42 | 80,29  | 894 | 14:39:17 | 81,56  | 949 | 14:43:52 | 79,00  | 1004 | 14:48:27 | 84,82  | 1059 | 14:53:02 | 79,12  |
| 840 | 14:34:47 | 86,48  | 895 | 14:39:22 | 77,90  | 950 | 14:43:57 | 77,32  | 1005 | 14:48:32 | 81,57  | 1060 | 14:53:07 | 77,50  |
| 841 | 14:34:52 | 77,30  | 896 | 14:39:27 | 78,44  | 951 | 14:44:02 | 77,29  | 1006 | 14:48:37 | 77,62  | 1061 | 14:53:12 | 79,65  |
| 842 | 14:34:57 | 84,99  | 897 | 14:39:32 | 79,40  | 952 | 14:44:07 | 77,84  | 1007 | 14:48:42 | 80,17  | 1062 | 14:53:17 | 83,32  |
| 843 | 14:35:02 | 78,83  | 898 | 14:39:37 | 79,33  | 953 | 14:44:12 | 76,47  | 1008 | 14:48:47 | 86,97  | 1063 | 14:53:22 | 81,64  |
| 844 | 14:35:07 | 81,12  | 899 | 14:39:42 | 79,31  | 954 | 14:44:17 | 77,84  | 1009 | 14:48:52 | 82,89  | 1064 | 14:53:27 | 80,62  |
| 845 | 14:35:12 | 75,34  | 900 | 14:39:47 | 79,35  | 955 | 14:44:22 | 77,32  | 1010 | 14:48:57 | 84,74  | 1065 | 14:53:32 | 79,96  |
| 846 | 14:35:17 | 75,64  | 901 | 14:39:52 | 79,99  | 956 | 14:44:27 | 77,66  | 1011 | 14:49:02 | 91,07  | 1066 | 14:53:37 | 78,15  |
| 847 | 14:35:22 | 78,86  | 902 | 14:39:57 | 79,38  | 957 | 14:44:32 | 77,12  | 1012 | 14:49:07 | 89,56  | 1067 | 14:53:42 | 76,37  |
| 848 | 14:35:27 | 81,75  | 903 | 14:40:02 | 79,98  | 958 | 14:44:37 | 77,44  | 1013 | 14:49:12 | 80,67  | 1068 | 14:53:47 | 75,78  |
| 849 | 14:35:32 | 80,27  | 904 | 14:40:07 | 79,46  | 959 | 14:44:42 | 77,56  | 1014 | 14:49:17 | 79,19  | 1069 | 14:53:52 | 75,73  |
| 850 | 14:35:37 | 79,59  | 905 | 14:40:12 | 79,04  | 960 | 14:44:47 | 77,03  | 1015 | 14:49:22 | 79,26  | 1070 | 14:53:57 | 77,06  |
| 851 | 14:35:42 | 79,14  | 906 | 14:40:17 | 80,92  | 961 | 14:44:52 | 76,93  | 1016 | 14:49:27 | 79,55  | 1071 | 14:54:02 | 75,59  |
| 852 | 14:35:47 | 79,82  | 907 | 14:40:22 | 85,07  | 962 | 14:44:57 | 76,71  | 1017 | 14:49:32 | 80,60  | 1072 | 14:54:07 | 77,84  |
| 853 | 14:35:52 | 79,19  | 908 | 14:40:27 | 79,85  | 963 | 14:45:02 | 75,86  | 1018 | 14:49:37 | 79,88  | 1073 | 14:54:12 | 84,86  |
| 854 | 14:35:57 | 75,21  | 909 | 14:40:32 | 78,20  | 964 | 14:45:07 | 77,53  | 1019 | 14:49:42 | 81,59  | 1074 | 14:54:17 | 82,69  |
| 855 | 14:36:02 | 75,97  | 910 | 14:40:37 | 77,12  | 965 | 14:45:12 | 76,67  | 1020 | 14:49:47 | 84,03  | 1075 | 14:54:22 | 75,15  |
| 856 | 14:36:07 | 77,37  | 911 | 14:40:42 | 81,96  | 966 | 14:45:17 | 77,24  | 1021 | 14:49:52 | 82,29  | 1076 | 14:54:27 | 74,20  |
| 857 | 14:36:12 | 79,61  | 912 | 14:40:47 | 76,40  | 967 | 14:45:22 | 77,21  | 1022 | 14:49:57 | 77,69  | 1077 | 14:54:32 | 75,00  |
| 858 | 14:36:17 | 83,93  | 913 | 14:40:52 | 76,59  | 968 | 14:45:27 | 76,89  | 1023 | 14:50:02 | 79,26  | 1078 | 14:54:37 | 75,60  |
| 859 | 14:36:22 | 78,42  | 914 | 14:40:57 | 76,89  | 969 | 14:45:32 | 76,06  | 1024 | 14:50:07 | 83,95  | 1079 | 14:54:42 | 72,04  |
| 860 | 14:36:27 | 82,93  | 915 | 14:41:02 | 76,36  | 970 | 14:45:37 | 76,97  | 1025 | 14:50:12 | 85,40  | 1080 | 14:54:47 | 72,67  |
| 861 | 14:36:32 | 75,47  | 916 | 14:41:07 | 75,62  | 971 | 14:45:42 | 78,73  | 1026 | 14:50:17 | 78,58  | 1081 | 14:54:52 | 75,21  |
| 862 | 14:36:37 | 71,12  | 917 | 14:41:12 | 76,53  | 972 | 14:45:47 | 77,39  | 1027 | 14:50:22 | 76,62  | 1082 | 14:54:57 | 76,08  |
| 863 | 14:36:42 | 71,91  | 918 | 14:41:17 | 81,62  | 973 | 14:45:52 | 76,87  | 1028 | 14:50:27 | 76,83  | 1083 | 14:55:02 | 77,22  |
| 864 | 14:36:47 | 74,63  | 919 | 14:41:22 | 78,79  | 974 | 14:45:57 | 76,88  | 1029 | 14:50:32 | 76,56  | 1084 | 14:55:07 | 77,26  |
| 865 | 14:36:52 | 70,62  | 920 | 14:41:27 | 82,29  | 975 | 14:46:02 | 77,18  | 1030 | 14:50:37 | 76,01  | 1085 | 14:55:12 | 76,68  |
| 866 | 14:36:57 | 67,62  | 921 | 14:41:32 | 82,86  | 976 | 14:46:07 | 76,88  | 1031 | 14:50:42 | 76,12  | 1086 | 14:55:17 | 79,17  |
| 867 | 14:37:02 | 68,69  | 922 | 14:41:37 | 84,25  | 977 | 14:46:12 | 77,01  | 1032 | 14:50:47 | 77,74  | 1087 | 14:55:22 | 77,46  |
| 868 | 14:37:07 | 68,53  | 923 | 14:41:42 | 82,09  | 978 | 14:46:17 | 76,48  | 1033 | 14:50:52 | 77,78  | 1088 | 14:55:27 | 78,26  |
| 869 | 14:37:12 | 66,03  | 924 | 14:41:47 | 81,84  | 979 | 14:46:22 | 75,85  | 1034 | 14:50:57 | 76,58  | 1089 | 14:55:32 | 78,71  |
| 870 | 14:37:17 | 66,75  | 925 | 14:41:52 | 80,59  | 980 | 14:46:27 | 75,02  | 1035 | 14:51:02 | 76,17  | 1090 | 14:55:37 | 79,09  |
| 871 | 14:37:22 | 66,61  | 926 | 14:41:57 | 82,88  | 981 | 14:46:32 | 76,62  | 1036 | 14:51:07 | 75,64  | 1091 | 14:55:42 | 84,20  |
| 872 | 14:37:27 | 73,73  | 927 | 14:42:02 | 81,06  | 982 | 14:46:37 | 84,40  | 1037 | 14:51:12 | 75,53  | 1092 | 14:55:47 | 82,06  |
| 873 | 14:37:32 | 76,20  | 928 | 14:42:07 | 80,48  | 983 | 14:46:42 | 81,46  | 1038 | 14:51:17 | 76,16  | 1093 | 14:55:52 | 73,34  |
| 874 | 14:37:37 | 70,29  | 929 | 14:42:12 | 79,51  | 984 | 14:46:47 | 78,97  | 1039 | 14:51:22 | 76,89  | 1094 | 14:55:57 | 67,49  |
| 875 | 14:37:42 | 66,03  | 930 | 14:42:17 | 78,90  | 985 | 14:46:52 | 77,80  | 1040 | 14:51:27 | 76,55  | 1095 | 14:56:02 | 65,68  |
| 876 | 14:37:47 | 76,89  | 931 | 14:42:22 | 83,67  | 986 | 14:46:57 | 81,12  | 1041 | 14:51:32 | 76,63  | 1096 | 14:56:07 | 66,86  |
| 877 | 14:37:52 | 64,04  | 932 | 14:42:27 | 82,13  | 987 | 14:47:02 | 80,05  | 1042 | 14:51:37 | 75,87  | 1097 | 14:56:12 | 70,76  |
| 878 | 14:37:57 | 64,81  | 933 | 14:42:32 | 85,10  | 988 | 14:47:07 | 83,06  | 1043 | 14:51:42 | 76,44  | 1098 | 14:56:17 | 73,09  |
| 879 | 14:38:02 | 62,40  | 934 | 14:42:37 | 84,16  | 989 | 14:47:12 | 82,72  | 1044 | 14:51:47 | 75,80  | 1099 | 14:56:22 | 71,35  |
| 880 | 14:38:07 | 63,54  | 935 | 14:42:42 | 82,97  | 990 | 14:47:17 | 82,05  | 1045 | 14:51:52 | 77,09  | 1100 | 14:56:27 | 68,80  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 14:56:32 | 68,52  | 1156 | 15:01:07 | 96,41  | 1211 | 15:05:42 | 80,32  | 1266 | 15:10:17 | 80,16  | 1321 | 15:14:52 | 78,24  |
| 1102 | 14:56:37 | 75,00  | 1157 | 15:01:12 | 96,64  | 1212 | 15:05:47 | 80,16  | 1267 | 15:10:22 | 76,94  | 1322 | 15:14:57 | 77,23  |
| 1103 | 14:56:42 | 73,60  | 1158 | 15:01:17 | 95,78  | 1213 | 15:05:52 | 84,65  | 1268 | 15:10:27 | 77,05  | 1323 | 15:15:02 | 75,50  |
| 1104 | 14:56:47 | 70,32  | 1159 | 15:01:22 | 95,81  | 1214 | 15:05:57 | 76,41  | 1269 | 15:10:32 | 79,60  | 1324 | 15:15:07 | 76,72  |
| 1105 | 14:56:52 | 69,97  | 1160 | 15:01:27 | 96,23  | 1215 | 15:06:02 | 78,12  | 1270 | 15:10:37 | 78,36  | 1325 | 15:15:12 | 78,31  |
| 1106 | 14:56:57 | 79,82  | 1161 | 15:01:32 | 96,07  | 1216 | 15:06:07 | 79,51  | 1271 | 15:10:42 | 77,58  | 1326 | 15:15:17 | 81,02  |
| 1107 | 14:57:02 | 81,45  | 1162 | 15:01:37 | 96,72  | 1217 | 15:06:12 | 77,50  | 1272 | 15:10:47 | 80,31  | 1327 | 15:15:22 | 83,36  |
| 1108 | 14:57:07 | 83,30  | 1163 | 15:01:42 | 98,06  | 1218 | 15:06:17 | 85,79  | 1273 | 15:10:52 | 85,23  | 1328 | 15:15:27 | 84,25  |
| 1109 | 14:57:12 | 84,36  | 1164 | 15:01:47 | 104,82 | 1219 | 15:06:22 | 84,19  | 1274 | 15:10:57 | 87,31  | 1329 | 15:15:32 | 79,85  |
| 1110 | 14:57:17 | 77,63  | 1165 | 15:01:52 | 104,51 | 1220 | 15:06:27 | 85,17  | 1275 | 15:11:02 | 81,62  | 1330 | 15:15:37 | 77,11  |
| 1111 | 14:57:22 | 70,57  | 1166 | 15:01:57 | 99,87  | 1221 | 15:06:32 | 86,62  | 1276 | 15:11:07 | 80,20  | 1331 | 15:15:42 | 78,41  |
| 1112 | 14:57:27 | 73,55  | 1167 | 15:02:02 | 98,81  | 1222 | 15:06:37 | 83,24  | 1277 | 15:11:12 | 86,46  | 1332 | 15:15:47 | 77,53  |
| 1113 | 14:57:32 | 74,07  | 1168 | 15:02:07 | 102,58 | 1223 | 15:06:42 | 79,43  | 1278 | 15:11:17 | 87,82  | 1333 | 15:15:52 | 77,18  |
| 1114 | 14:57:37 | 71,31  | 1169 | 15:02:12 | 97,09  | 1224 | 15:06:47 | 83,59  | 1279 | 15:11:22 | 81,90  | 1334 | 15:15:57 | 77,12  |
| 1115 | 14:57:42 | 71,24  | 1170 | 15:02:17 | 96,61  | 1225 | 15:06:52 | 83,22  | 1280 | 15:11:27 | 75,19  | 1335 | 15:16:02 | 86,63  |
| 1116 | 14:57:47 | 83,81  | 1171 | 15:02:22 | 97,07  | 1226 | 15:06:57 | 83,29  | 1281 | 15:11:32 | 75,47  | 1336 | 15:16:07 | 81,03  |
| 1117 | 14:57:52 | 97,23  | 1172 | 15:02:27 | 96,74  | 1227 | 15:07:02 | 82,96  | 1282 | 15:11:37 | 77,04  | 1337 | 15:16:12 | 78,56  |
| 1118 | 14:57:57 | 104,37 | 1173 | 15:02:32 | 96,53  | 1228 | 15:07:07 | 81,32  | 1283 | 15:11:42 | 78,97  | 1338 | 15:16:17 | 83,16  |
| 1119 | 14:58:02 | 94,59  | 1174 | 15:02:37 | 96,57  | 1229 | 15:07:12 | 80,44  | 1284 | 15:11:47 | 80,30  | 1339 | 15:16:22 | 81,52  |
| 1120 | 14:58:07 | 86,58  | 1175 | 15:02:42 | 96,91  | 1230 | 15:07:17 | 80,07  | 1285 | 15:11:52 | 80,78  | 1340 | 15:16:27 | 77,01  |
| 1121 | 14:58:12 | 89,74  | 1176 | 15:02:47 | 95,66  | 1231 | 15:07:22 | 83,76  | 1286 | 15:11:57 | 78,50  | 1341 | 15:16:32 | 77,91  |
| 1122 | 14:58:17 | 95,53  | 1177 | 15:02:52 | 95,60  | 1232 | 15:07:27 | 83,70  | 1287 | 15:12:02 | 79,21  | 1342 | 15:16:37 | 85,61  |
| 1123 | 14:58:22 | 95,98  | 1178 | 15:02:57 | 96,38  | 1233 | 15:07:32 | 79,56  | 1288 | 15:12:07 | 79,40  | 1343 | 15:16:42 | 84,94  |
| 1124 | 14:58:27 | 96,53  | 1179 | 15:03:02 | 96,12  | 1234 | 15:07:37 | 85,20  | 1289 | 15:12:12 | 79,27  | 1344 | 15:16:47 | 83,03  |
| 1125 | 14:58:32 | 88,76  | 1180 | 15:03:07 | 96,28  | 1235 | 15:07:42 | 80,30  | 1290 | 15:12:17 | 79,39  | 1345 | 15:16:52 | 79,96  |
| 1126 | 14:58:37 | 91,90  | 1181 | 15:03:12 | 96,01  | 1236 | 15:07:47 | 77,09  | 1291 | 15:12:22 | 80,18  | 1346 | 15:16:57 | 90,41  |
| 1127 | 14:58:42 | 94,32  | 1182 | 15:03:17 | 96,39  | 1237 | 15:07:52 | 80,77  | 1292 | 15:12:27 | 80,03  | 1347 | 15:17:02 | 95,50  |
| 1128 | 14:58:47 | 103,51 | 1183 | 15:03:22 | 95,76  | 1238 | 15:07:57 | 90,69  | 1293 | 15:12:32 | 78,13  | 1348 | 15:17:07 | 86,74  |
| 1129 | 14:58:52 | 101,25 | 1184 | 15:03:27 | 95,97  | 1239 | 15:08:02 | 82,38  | 1294 | 15:12:37 | 83,26  | 1349 | 15:17:12 | 85,91  |
| 1130 | 14:58:57 | 99,41  | 1185 | 15:03:32 | 95,26  | 1240 | 15:08:07 | 85,20  | 1295 | 15:12:42 | 78,74  | 1350 | 15:17:17 | 87,22  |
| 1131 | 14:59:02 | 97,24  | 1186 | 15:03:37 | 95,30  | 1241 | 15:08:12 | 85,71  | 1296 | 15:12:47 | 79,43  | 1351 | 15:17:22 | 86,37  |
| 1132 | 14:59:07 | 104,89 | 1187 | 15:03:42 | 94,76  | 1242 | 15:08:17 | 90,22  | 1297 | 15:12:52 | 82,03  | 1352 | 15:17:27 | 86,03  |
| 1133 | 14:59:12 | 103,47 | 1188 | 15:03:47 | 98,25  | 1243 | 15:08:22 | 88,09  | 1298 | 15:12:57 | 79,44  | 1353 | 15:17:32 | 86,93  |
| 1134 | 14:59:17 | 97,61  | 1189 | 15:03:52 | 99,28  | 1244 | 15:08:27 | 78,57  | 1299 | 15:13:02 | 79,29  | 1354 | 15:17:37 | 86,74  |
| 1135 | 14:59:22 | 96,77  | 1190 | 15:03:57 | 98,14  | 1245 | 15:08:32 | 76,01  | 1300 | 15:13:07 | 80,95  | 1355 | 15:17:42 | 85,93  |
| 1136 | 14:59:27 | 99,22  | 1191 | 15:04:02 | 97,01  | 1246 | 15:08:37 | 76,59  | 1301 | 15:13:12 | 81,84  | 1356 | 15:17:47 | 86,61  |
| 1137 | 14:59:32 | 101,50 | 1192 | 15:04:07 | 99,46  | 1247 | 15:08:42 | 75,93  | 1302 | 15:13:17 | 78,28  | 1357 | 15:17:52 | 86,81  |
| 1138 | 14:59:37 | 105,20 | 1193 | 15:04:12 | 97,48  | 1248 | 15:08:47 | 84,96  | 1303 | 15:13:22 | 77,83  | 1358 | 15:17:57 | 86,97  |
| 1139 | 14:59:42 | 97,93  | 1194 | 15:04:17 | 88,80  | 1249 | 15:08:52 | 86,37  | 1304 | 15:13:27 | 76,86  | 1359 | 15:18:02 | 85,87  |
| 1140 | 14:59:47 | 93,99  | 1195 | 15:04:22 | 84,05  | 1250 | 15:08:57 | 87,41  | 1305 | 15:13:32 | 78,91  | 1360 | 15:18:07 | 86,78  |
| 1141 | 14:59:52 | 95,73  | 1196 | 15:04:27 | 85,94  | 1251 | 15:09:02 | 84,63  | 1306 | 15:13:37 | 83,53  | 1361 | 15:18:12 | 86,05  |
| 1142 | 14:59:57 | 101,51 | 1197 | 15:04:32 | 85,12  | 1252 | 15:09:07 | 80,41  | 1307 | 15:13:42 | 78,51  | 1362 | 15:18:17 | 86,21  |
| 1143 | 15:00:02 | 98,62  | 1198 | 15:04:37 | 85,75  | 1253 | 15:09:12 | 81,65  | 1308 | 15:13:47 | 77,73  | 1363 | 15:18:22 | 86,21  |
| 1144 | 15:00:07 | 100,95 | 1199 | 15:04:42 | 85,22  | 1254 | 15:09:17 | 81,63  | 1309 | 15:13:52 | 76,91  | 1364 | 15:18:27 | 86,64  |
| 1145 | 15:00:12 | 100,12 | 1200 | 15:04:47 | 85,86  | 1255 | 15:09:22 | 82,64  | 1310 | 15:13:57 | 77,22  | 1365 | 15:18:32 | 87,02  |
| 1146 | 15:00:17 | 97,07  | 1201 | 15:04:52 | 83,50  | 1256 | 15:09:27 | 82,09  | 1311 | 15:14:02 | 77,41  | 1366 | 15:18:37 | 88,93  |
| 1147 | 15:00:22 | 98,82  | 1202 | 15:04:57 | 82,23  | 1257 | 15:09:32 | 80,46  | 1312 | 15:14:07 | 77,04  | 1367 | 15:18:42 | 86,72  |
| 1148 | 15:00:27 | 95,36  | 1203 | 15:05:02 | 78,50  | 1258 | 15:09:37 | 79,89  | 1313 | 15:14:12 | 76,24  | 1368 | 15:18:47 | 87,06  |
| 1149 | 15:00:32 | 96,26  | 1204 | 15:05:07 | 86,03  | 1259 | 15:09:42 | 83,39  | 1314 | 15:14:17 | 83,58  | 1369 | 15:18:52 | 87,63  |
| 1150 | 15:00:37 | 95,41  | 1205 | 15:05:12 | 90,05  | 1260 | 15:09:47 | 82,67  | 1315 | 15:14:22 | 84,53  | 1370 | 15:18:57 | 86,10  |
| 1151 | 15:00:42 | 95,65  | 1206 | 15:05:17 | 87,42  | 1261 | 15:09:52 | 83,89  | 1316 | 15:14:27 | 80,85  | 1371 | 15:19:02 | 86,62  |
| 1152 | 15:00:47 | 96,44  | 1207 | 15:05:22 | 88,15  | 1262 | 15:09:57 | 79,94  | 1317 | 15:14:32 | 81,90  | 1372 | 15:19:07 | 86,56  |
| 1153 | 15:00:52 | 96,57  | 1208 | 15:05:27 | 87,47  | 1263 | 15:10:02 | 81,06  | 1318 | 15:14:37 | 83,67  | 1373 | 15:19:12 | 87,35  |
| 1154 | 15:00:57 | 99,02  | 1209 | 15:05:32 | 89,67  | 1264 | 15:10:07 | 80,58  | 1319 | 15:14:42 | 83,28  | 1374 | 15:19:17 | 87,19  |
| 1155 | 15:01:02 | 97,28  | 1210 | 15:05:37 | 88,78  | 1265 | 15:10:12 | 79,31  | 1320 | 15:14:47 | 77,95  | 1375 | 15:19:22 | 85,85  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1376 | 15:19:27 | 86,98  | 1431 | 15:24:02 | 80,16  | 1486 | 15:28:37 | 81,12  | 1541 | 15:33:12 | 79,82  | 1596 | 15:37:47 | 98,52  |
| 1377 | 15:19:32 | 88,04  | 1432 | 15:24:07 | 81,54  | 1487 | 15:28:42 | 78,82  | 1542 | 15:33:17 | 78,82  | 1597 | 15:37:52 | 97,38  |
| 1378 | 15:19:37 | 87,03  | 1433 | 15:24:12 | 82,04  | 1488 | 15:28:47 | 79,90  | 1543 | 15:33:22 | 78,23  | 1598 | 15:37:57 | 99,20  |
| 1379 | 15:19:42 | 86,80  | 1434 | 15:24:17 | 76,66  | 1489 | 15:28:52 | 78,14  | 1544 | 15:33:27 | 83,15  | 1599 | 15:38:02 | 96,73  |
| 1380 | 15:19:47 | 84,72  | 1435 | 15:24:22 | 77,37  | 1490 | 15:28:57 | 77,25  | 1545 | 15:33:32 | 78,71  | 1600 | 15:38:07 | 98,04  |
| 1381 | 15:19:52 | 83,77  | 1436 | 15:24:27 | 76,24  | 1491 | 15:29:02 | 81,98  | 1546 | 15:33:37 | 77,21  | 1601 | 15:38:12 | 96,42  |
| 1382 | 15:19:57 | 86,07  | 1437 | 15:24:32 | 78,23  | 1492 | 15:29:07 | 82,57  | 1547 | 15:33:42 | 79,70  | 1602 | 15:38:17 | 94,75  |
| 1383 | 15:20:02 | 87,10  | 1438 | 15:24:37 | 77,08  | 1493 | 15:29:12 | 81,61  | 1548 | 15:33:47 | 78,17  | 1603 | 15:38:22 | 95,48  |
| 1384 | 15:20:07 | 86,93  | 1439 | 15:24:42 | 75,93  | 1494 | 15:29:17 | 79,51  | 1549 | 15:33:52 | 78,01  | 1604 | 15:38:27 | 94,82  |
| 1385 | 15:20:12 | 85,74  | 1440 | 15:24:47 | 76,26  | 1495 | 15:29:22 | 79,06  | 1550 | 15:33:57 | 80,97  | 1605 | 15:38:32 | 96,71  |
| 1386 | 15:20:17 | 86,31  | 1441 | 15:24:52 | 77,36  | 1496 | 15:29:27 | 79,27  | 1551 | 15:34:02 | 81,48  | 1606 | 15:38:37 | 99,52  |
| 1387 | 15:20:22 | 85,32  | 1442 | 15:24:57 | 77,49  | 1497 | 15:29:32 | 76,64  | 1552 | 15:34:07 | 84,82  | 1607 | 15:38:42 | 98,36  |
| 1388 | 15:20:27 | 83,76  | 1443 | 15:25:02 | 81,97  | 1498 | 15:29:37 | 78,13  | 1553 | 15:34:12 | 81,26  | 1608 | 15:38:47 | 98,39  |
| 1389 | 15:20:32 | 84,60  | 1444 | 15:25:07 | 77,95  | 1499 | 15:29:42 | 78,35  | 1554 | 15:34:17 | 80,42  | 1609 | 15:38:52 | 98,97  |
| 1390 | 15:20:37 | 85,01  | 1445 | 15:25:12 | 84,36  | 1500 | 15:29:47 | 79,28  | 1555 | 15:34:22 | 78,69  | 1610 | 15:38:57 | 98,08  |
| 1391 | 15:20:42 | 86,21  | 1446 | 15:25:17 | 82,47  | 1501 | 15:29:52 | 80,35  | 1556 | 15:34:27 | 83,80  | 1611 | 15:39:02 | 100,63 |
| 1392 | 15:20:47 | 85,46  | 1447 | 15:25:22 | 77,90  | 1502 | 15:29:57 | 78,51  | 1557 | 15:34:32 | 85,91  | 1612 | 15:39:07 | 101,24 |
| 1393 | 15:20:52 | 86,01  | 1448 | 15:25:27 | 76,87  | 1503 | 15:30:02 | 80,02  | 1558 | 15:34:37 | 84,31  | 1613 | 15:39:12 | 102,13 |
| 1394 | 15:20:57 | 85,80  | 1449 | 15:25:32 | 76,44  | 1504 | 15:30:07 | 77,20  | 1559 | 15:34:42 | 84,23  | 1614 | 15:39:17 | 100,36 |
| 1395 | 15:21:02 | 86,26  | 1450 | 15:25:37 | 75,35  | 1505 | 15:30:12 | 76,93  | 1560 | 15:34:47 | 84,89  | 1615 | 15:39:22 | 101,94 |
| 1396 | 15:21:07 | 85,97  | 1451 | 15:25:42 | 77,06  | 1506 | 15:30:17 | 75,74  | 1561 | 15:34:52 | 86,94  | 1616 | 15:39:27 | 102,82 |
| 1397 | 15:21:12 | 85,44  | 1452 | 15:25:47 | 77,78  | 1507 | 15:30:22 | 76,11  | 1562 | 15:34:57 | 88,06  | 1617 | 15:39:32 | 102,29 |
| 1398 | 15:21:17 | 85,33  | 1453 | 15:25:52 | 77,90  | 1508 | 15:30:27 | 77,87  | 1563 | 15:35:02 | 88,22  | 1618 | 15:39:37 | 99,82  |
| 1399 | 15:21:22 | 85,26  | 1454 | 15:25:57 | 78,81  | 1509 | 15:30:32 | 77,60  | 1564 | 15:35:07 | 88,23  | 1619 | 15:39:42 | 99,04  |
| 1400 | 15:21:27 | 85,32  | 1455 | 15:26:02 | 79,60  | 1510 | 15:30:37 | 79,61  | 1565 | 15:35:12 | 90,56  | 1620 | 15:39:47 | 103,02 |
| 1401 | 15:21:32 | 85,50  | 1456 | 15:26:07 | 81,30  | 1511 | 15:30:42 | 81,65  | 1566 | 15:35:17 | 92,41  | 1621 | 15:39:52 | 102,65 |
| 1402 | 15:21:37 | 85,58  | 1457 | 15:26:12 | 80,72  | 1512 | 15:30:47 | 79,27  | 1567 | 15:35:22 | 95,88  | 1622 | 15:39:57 | 100,77 |
| 1403 | 15:21:42 | 85,80  | 1458 | 15:26:17 | 80,03  | 1513 | 15:30:52 | 77,95  | 1568 | 15:35:27 | 96,47  | 1623 | 15:40:02 | 99,85  |
| 1404 | 15:21:47 | 85,32  | 1459 | 15:26:22 | 79,59  | 1514 | 15:30:57 | 76,72  | 1569 | 15:35:32 | 95,03  | 1624 | 15:40:07 | 98,75  |
| 1405 | 15:21:52 | 83,97  | 1460 | 15:26:27 | 78,12  | 1515 | 15:31:02 | 77,18  | 1570 | 15:35:37 | 95,62  | 1625 | 15:40:12 | 97,86  |
| 1406 | 15:21:57 | 80,66  | 1461 | 15:26:32 | 83,16  | 1516 | 15:31:07 | 75,52  | 1571 | 15:35:42 | 98,31  | 1626 | 15:40:17 | 100,54 |
| 1407 | 15:22:02 | 77,71  | 1462 | 15:26:37 | 78,61  | 1517 | 15:31:12 | 76,60  | 1572 | 15:35:47 | 97,43  | 1627 | 15:40:22 | 103,78 |
| 1408 | 15:22:07 | 76,87  | 1463 | 15:26:42 | 78,65  | 1518 | 15:31:17 | 77,49  | 1573 | 15:35:52 | 96,50  | 1628 | 15:40:27 | 102,15 |
| 1409 | 15:22:12 | 76,50  | 1464 | 15:26:47 | 83,02  | 1519 | 15:31:22 | 77,00  | 1574 | 15:35:57 | 96,80  | 1629 | 15:40:32 | 100,30 |
| 1410 | 15:22:17 | 81,44  | 1465 | 15:26:52 | 77,67  | 1520 | 15:31:27 | 77,12  | 1575 | 15:36:02 | 99,01  | 1630 | 15:40:37 | 101,76 |
| 1411 | 15:22:22 | 80,11  | 1466 | 15:26:57 | 77,71  | 1521 | 15:31:32 | 78,98  | 1576 | 15:36:07 | 99,67  | 1631 | 15:40:42 | 99,08  |
| 1412 | 15:22:27 | 87,48  | 1467 | 15:27:02 | 77,33  | 1522 | 15:31:37 | 77,40  | 1577 | 15:36:12 | 97,79  | 1632 | 15:40:47 | 103,02 |
| 1413 | 15:22:32 | 86,68  | 1468 | 15:27:07 | 80,10  | 1523 | 15:31:42 | 79,93  | 1578 | 15:36:17 | 98,23  | 1633 | 15:40:52 | 103,64 |
| 1414 | 15:22:37 | 83,08  | 1469 | 15:27:12 | 78,40  | 1524 | 15:31:47 | 77,32  | 1579 | 15:36:22 | 95,47  | 1634 | 15:40:57 | 99,98  |
| 1415 | 15:22:42 | 83,03  | 1470 | 15:27:17 | 85,33  | 1525 | 15:31:52 | 78,06  | 1580 | 15:36:27 | 96,12  | 1635 | 15:41:02 | 103,31 |
| 1416 | 15:22:47 | 76,32  | 1471 | 15:27:22 | 82,38  | 1526 | 15:31:57 | 77,37  | 1581 | 15:36:32 | 99,83  | 1636 | 15:41:07 | 102,17 |
| 1417 | 15:22:52 | 76,64  | 1472 | 15:27:27 | 77,87  | 1527 | 15:32:02 | 77,98  | 1582 | 15:36:37 | 98,72  | 1637 | 15:41:12 | 103,37 |
| 1418 | 15:22:57 | 75,00  | 1473 | 15:27:32 | 79,00  | 1528 | 15:32:07 | 78,26  | 1583 | 15:36:42 | 98,35  | 1638 | 15:41:17 | 103,50 |
| 1419 | 15:23:02 | 76,35  | 1474 | 15:27:37 | 76,92  | 1529 | 15:32:12 | 80,37  | 1584 | 15:36:47 | 99,94  | 1639 | 15:41:22 | 102,15 |
| 1420 | 15:23:07 | 79,91  | 1475 | 15:27:42 | 75,39  | 1530 | 15:32:17 | 82,69  | 1585 | 15:36:52 | 101,50 | 1640 | 15:41:27 | 101,06 |
| 1421 | 15:23:12 | 77,16  | 1476 | 15:27:47 | 76,28  | 1531 | 15:32:22 | 80,56  | 1586 | 15:36:57 | 96,42  | 1641 | 15:41:32 | 96,81  |
| 1422 | 15:23:17 | 78,95  | 1477 | 15:27:52 | 79,11  | 1532 | 15:32:27 | 81,21  | 1587 | 15:37:02 | 98,66  | 1642 | 15:41:37 | 98,15  |
| 1423 | 15:23:22 | 77,02  | 1478 | 15:27:57 | 76,80  | 1533 | 15:32:32 | 83,70  | 1588 | 15:37:07 | 98,21  | 1643 | 15:41:42 | 102,27 |
| 1424 | 15:23:27 | 77,20  | 1479 | 15:28:02 | 76,58  | 1534 | 15:32:37 | 78,10  | 1589 | 15:37:12 | 98,85  | 1644 | 15:41:47 | 98,42  |
| 1425 | 15:23:32 | 77,89  | 1480 | 15:28:07 | 76,88  | 1535 | 15:32:42 | 78,22  | 1590 | 15:37:17 | 95,64  | 1645 | 15:41:52 | 99,72  |
| 1426 | 15:23:37 | 77,42  | 1481 | 15:28:12 | 85,18  | 1536 | 15:32:47 | 78,64  | 1591 | 15:37:22 | 98,73  | 1646 | 15:41:57 | 101,31 |
| 1427 | 15:23:42 | 79,28  | 1482 | 15:28:17 | 86,98  | 1537 | 15:32:52 | 80,04  | 1592 | 15:37:27 | 100,67 | 1647 | 15:42:02 | 100,73 |
| 1428 | 15:23:47 | 80,35  | 1483 | 15:28:22 | 82,74  | 1538 | 15:32:57 | 78,92  | 1593 | 15:37:32 | 96,05  | 1648 | 15:42:07 | 101,06 |
| 1429 | 15:23:52 | 79,82  | 1484 | 15:28:27 | 78,60  | 1539 | 15:33:02 | 79,51  | 1594 | 15:37:37 | 98,24  | 1649 | 15:42:12 | 104,12 |
| 1430 | 15:23:57 | 78,69  | 1485 | 15:28:32 | 77,62  | 1540 | 15:33:07 | 79,86  | 1595 | 15:37:42 | 96,42  | 1650 | 15:42:17 | 104,32 |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1651 | 15:42:22 | 101,21 | 1706 | 15:46:57 | 78,26  | 1761 | 15:51:32 | 82,14  | 1816 | 15:56:07 | 103,27 | 1871 | 16:00:42 | 82,99  |
| 1652 | 15:42:27 | 100,20 | 1707 | 15:47:02 | 80,10  | 1762 | 15:51:37 | 84,69  | 1817 | 15:56:12 | 106,42 | 1872 | 16:00:47 | 84,30  |
| 1653 | 15:42:32 | 100,45 | 1708 | 15:47:07 | 80,68  | 1763 | 15:51:42 | 76,14  | 1818 | 15:56:17 | 104,73 | 1873 | 16:00:52 | 84,69  |
| 1654 | 15:42:37 | 101,92 | 1709 | 15:47:12 | 79,51  | 1764 | 15:51:47 | 75,74  | 1819 | 15:56:22 | 104,88 | 1874 | 16:00:57 | 76,19  |
| 1655 | 15:42:42 | 101,88 | 1710 | 15:47:17 | 80,31  | 1765 | 15:51:52 | 75,63  | 1820 | 15:56:27 | 107,70 | 1875 | 16:01:02 | 81,66  |
| 1656 | 15:42:47 | 100,67 | 1711 | 15:47:22 | 80,93  | 1766 | 15:51:57 | 78,52  | 1821 | 15:56:32 | 105,53 | 1876 | 16:01:07 | 84,43  |
| 1657 | 15:42:52 | 99,80  | 1712 | 15:47:27 | 83,74  | 1767 | 15:52:02 | 76,62  | 1822 | 15:56:37 | 103,87 | 1877 | 16:01:12 | 85,49  |
| 1658 | 15:42:57 | 101,15 | 1713 | 15:47:32 | 82,08  | 1768 | 15:52:07 | 79,59  | 1823 | 15:56:42 | 105,75 | 1878 | 16:01:17 | 76,89  |
| 1659 | 15:43:02 | 99,29  | 1714 | 15:47:37 | 78,48  | 1769 | 15:52:12 | 82,72  | 1824 | 15:56:47 | 106,07 | 1879 | 16:01:22 | 68,32  |
| 1660 | 15:43:07 | 99,39  | 1715 | 15:47:42 | 82,71  | 1770 | 15:52:17 | 87,63  | 1825 | 15:56:52 | 104,16 | 1880 | 16:01:27 | 71,57  |
| 1661 | 15:43:12 | 99,76  | 1716 | 15:47:47 | 80,49  | 1771 | 15:52:22 | 84,84  | 1826 | 15:56:57 | 105,93 | 1881 | 16:01:32 | 68,87  |
| 1662 | 15:43:17 | 102,29 | 1717 | 15:47:52 | 78,35  | 1772 | 15:52:27 | 84,51  | 1827 | 15:57:02 | 105,86 | 1882 | 16:01:37 | 64,06  |
| 1663 | 15:43:22 | 100,27 | 1718 | 15:47:57 | 77,72  | 1773 | 15:52:32 | 84,11  | 1828 | 15:57:07 | 106,62 | 1883 | 16:01:42 | 81,04  |
| 1664 | 15:43:27 | 98,98  | 1719 | 15:48:02 | 76,64  | 1774 | 15:52:37 | 80,77  | 1829 | 15:57:12 | 105,76 | 1884 | 16:01:47 | 82,78  |
| 1665 | 15:43:32 | 98,42  | 1720 | 15:48:07 | 77,36  | 1775 | 15:52:42 | 77,73  | 1830 | 15:57:17 | 105,80 | 1885 | 16:01:52 | 82,04  |
| 1666 | 15:43:37 | 99,28  | 1721 | 15:48:12 | 79,65  | 1776 | 15:52:47 | 80,22  | 1831 | 15:57:22 | 103,60 | 1886 | 16:01:57 | 86,95  |
| 1667 | 15:43:42 | 98,65  | 1722 | 15:48:17 | 87,33  | 1777 | 15:52:52 | 85,30  | 1832 | 15:57:27 | 105,09 | 1887 | 16:02:02 | 83,54  |
| 1668 | 15:43:47 | 98,61  | 1723 | 15:48:22 | 81,37  | 1778 | 15:52:57 | 89,16  | 1833 | 15:57:32 | 100,30 | 1888 | 16:02:07 | 84,61  |
| 1669 | 15:43:52 | 97,21  | 1724 | 15:48:27 | 75,84  | 1779 | 15:53:02 | 96,43  | 1834 | 15:57:37 | 107,22 | 1889 | 16:02:12 | 83,12  |
| 1670 | 15:43:57 | 98,43  | 1725 | 15:48:32 | 78,95  | 1780 | 15:53:07 | 98,33  | 1835 | 15:57:42 | 107,14 | 1890 | 16:02:17 | 79,97  |
| 1671 | 15:44:02 | 98,54  | 1726 | 15:48:37 | 83,65  | 1781 | 15:53:12 | 101,66 | 1836 | 15:57:47 | 107,42 | 1891 | 16:02:22 | 78,79  |
| 1672 | 15:44:07 | 98,73  | 1727 | 15:48:42 | 84,87  | 1782 | 15:53:17 | 103,88 | 1837 | 15:57:52 | 105,29 | 1892 | 16:02:27 | 77,60  |
| 1673 | 15:44:12 | 99,00  | 1728 | 15:48:47 | 82,30  | 1783 | 15:53:22 | 103,74 | 1838 | 15:57:57 | 107,07 | 1893 | 16:02:32 | 76,72  |
| 1674 | 15:44:17 | 98,78  | 1729 | 15:48:52 | 85,63  | 1784 | 15:53:27 | 103,67 | 1839 | 15:58:02 | 99,69  | 1894 | 16:02:37 | 84,05  |
| 1675 | 15:44:22 | 100,01 | 1730 | 15:48:57 | 87,40  | 1785 | 15:53:32 | 101,01 | 1840 | 15:58:07 | 95,64  | 1895 | 16:02:42 | 79,91  |
| 1676 | 15:44:27 | 101,93 | 1731 | 15:49:02 | 81,98  | 1786 | 15:53:37 | 100,54 | 1841 | 15:58:12 | 94,37  | 1896 | 16:02:47 | 82,52  |
| 1677 | 15:44:32 | 101,52 | 1732 | 15:49:07 | 78,66  | 1787 | 15:53:42 | 98,68  | 1842 | 15:58:17 | 95,02  | 1897 | 16:02:52 | 80,58  |
| 1678 | 15:44:37 | 99,16  | 1733 | 15:49:12 | 76,87  | 1788 | 15:53:47 | 100,35 | 1843 | 15:58:22 | 96,04  | 1898 | 16:02:57 | 79,13  |
| 1679 | 15:44:42 | 98,70  | 1734 | 15:49:17 | 76,44  | 1789 | 15:53:52 | 99,65  | 1844 | 15:58:27 | 96,66  | 1899 | 16:03:02 | 75,22  |
| 1680 | 15:44:47 | 98,20  | 1735 | 15:49:22 | 75,92  | 1790 | 15:53:57 | 99,49  | 1845 | 15:58:32 | 95,29  | 1900 | 16:03:07 | 76,23  |
| 1681 | 15:44:52 | 98,35  | 1736 | 15:49:27 | 80,76  | 1791 | 15:54:02 | 105,53 | 1846 | 15:58:37 | 94,64  | 1901 | 16:03:12 | 76,47  |
| 1682 | 15:44:57 | 97,19  | 1737 | 15:49:32 | 81,53  | 1792 | 15:54:07 | 104,14 | 1847 | 15:58:42 | 89,22  | 1902 | 16:03:17 | 79,42  |
| 1683 | 15:45:02 | 96,64  | 1738 | 15:49:37 | 80,23  | 1793 | 15:54:12 | 102,00 | 1848 | 15:58:47 | 88,17  | 1903 | 16:03:22 | 77,00  |
| 1684 | 15:45:07 | 96,45  | 1739 | 15:49:42 | 81,28  | 1794 | 15:54:17 | 97,22  | 1849 | 15:58:52 | 89,17  | 1904 | 16:03:27 | 78,24  |
| 1685 | 15:45:12 | 96,77  | 1740 | 15:49:47 | 80,07  | 1795 | 15:54:22 | 97,32  | 1850 | 15:58:57 | 86,31  | 1905 | 16:03:32 | 77,27  |
| 1686 | 15:45:17 | 97,76  | 1741 | 15:49:52 | 80,35  | 1796 | 15:54:27 | 106,07 | 1851 | 15:59:02 | 81,12  | 1906 | 16:03:37 | 77,02  |
| 1687 | 15:45:22 | 99,58  | 1742 | 15:49:57 | 79,53  | 1797 | 15:54:32 | 102,41 | 1852 | 15:59:07 | 80,26  | 1907 | 16:03:42 | 78,08  |
| 1688 | 15:45:27 | 98,92  | 1743 | 15:50:02 | 79,88  | 1798 | 15:54:37 | 107,03 | 1853 | 15:59:12 | 81,67  | 1908 | 16:03:47 | 77,91  |
| 1689 | 15:45:32 | 98,73  | 1744 | 15:50:07 | 79,67  | 1799 | 15:54:42 | 105,20 | 1854 | 15:59:17 | 72,40  | 1909 | 16:03:52 | 87,68  |
| 1690 | 15:45:37 | 97,73  | 1745 | 15:50:12 | 81,25  | 1800 | 15:54:47 | 105,28 | 1855 | 15:59:22 | 65,13  | 1910 | 16:03:57 | 79,55  |
| 1691 | 15:45:42 | 100,24 | 1746 | 15:50:17 | 81,01  | 1801 | 15:54:52 | 106,34 | 1856 | 15:59:27 | 67,11  | 1911 | 16:04:02 | 85,13  |
| 1692 | 15:45:47 | 97,92  | 1747 | 15:50:22 | 84,01  | 1802 | 15:54:57 | 104,33 | 1857 | 15:59:32 | 74,53  | 1912 | 16:04:07 | 82,53  |
| 1693 | 15:45:52 | 88,89  | 1748 | 15:50:27 | 81,47  | 1803 | 15:55:02 | 100,66 | 1858 | 15:59:37 | 70,92  | 1913 | 16:04:12 | 81,91  |
| 1694 | 15:45:57 | 82,56  | 1749 | 15:50:32 | 80,74  | 1804 | 15:55:07 | 98,07  | 1859 | 15:59:42 | 66,61  | 1914 | 16:04:17 | 79,87  |
| 1695 | 15:46:02 | 87,08  | 1750 | 15:50:37 | 80,89  | 1805 | 15:55:12 | 100,74 | 1860 | 15:59:47 | 64,26  | 1915 | 16:04:22 | 76,88  |
| 1696 | 15:46:07 | 79,92  | 1751 | 15:50:42 | 76,92  | 1806 | 15:55:17 | 105,85 | 1861 | 15:59:52 | 65,69  | 1916 | 16:04:27 | 76,28  |
| 1697 | 15:46:12 | 78,42  | 1752 | 15:50:47 | 75,68  | 1807 | 15:55:22 | 99,52  | 1862 | 15:59:57 | 69,15  | 1917 | 16:04:32 | 79,05  |
| 1698 | 15:46:17 | 90,03  | 1753 | 15:50:52 | 81,30  | 1808 | 15:55:27 | 102,68 | 1863 | 16:00:02 | 71,18  | 1918 | 16:04:37 | 80,84  |
| 1699 | 15:46:22 | 86,30  | 1754 | 15:50:57 | 83,18  | 1809 | 15:55:32 | 103,02 | 1864 | 16:00:07 | 64,43  | 1919 | 16:04:42 | 80,21  |
| 1700 | 15:46:27 | 75,95  | 1755 | 15:51:02 | 81,04  | 1810 | 15:55:37 | 104,93 | 1865 | 16:00:12 | 64,12  | 1920 | 16:04:47 | 79,39  |
| 1701 | 15:46:32 | 76,93  | 1756 | 15:51:07 | 84,22  | 1811 | 15:55:42 | 105,94 | 1866 | 16:00:17 | 94,44  | 1921 | 16:04:52 | 81,12  |
| 1702 | 15:46:37 | 76,58  | 1757 | 15:51:12 | 80,51  | 1812 | 15:55:47 | 105,00 | 1867 | 16:00:22 | 95,69  | 1922 | 16:04:57 | 78,47  |
| 1703 | 15:46:42 | 78,64  | 1758 | 15:51:17 | 83,70  | 1813 | 15:55:52 | 106,74 | 1868 | 16:00:27 | 86,41  | 1923 | 16:05:02 | 77,86  |
| 1704 | 15:46:47 | 80,58  | 1759 | 15:51:22 | 80,86  | 1814 | 15:55:57 | 103,59 | 1869 | 16:00:32 | 69,58  | 1924 | 16:05:07 | 75,60  |
| 1705 | 15:46:52 | 79,06  | 1760 | 15:51:27 | 83,43  | 1815 | 15:56:02 | 106,15 | 1870 | 16:00:37 | 76,82  | 1925 | 16:05:12 | 80,58  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1926 | 16:05:17 | 82,43  | 1981 | 16:09:52 | 76,61  | 2036 | 16:14:27 | 77,70  | 2091 | 16:19:02 | 76,99  | 2146 | 16:23:37 | 75,21  |
| 1927 | 16:05:22 | 75,43  | 1982 | 16:09:57 | 77,55  | 2037 | 16:14:32 | 76,93  | 2092 | 16:19:07 | 75,54  | 2147 | 16:23:42 | 67,16  |
| 1928 | 16:05:27 | 77,33  | 1983 | 16:10:02 | 77,88  | 2038 | 16:14:37 | 76,25  | 2093 | 16:19:12 | 75,17  | 2148 | 16:23:47 | 64,88  |
| 1929 | 16:05:32 | 78,00  | 1984 | 16:10:07 | 76,11  | 2039 | 16:14:42 | 76,20  | 2094 | 16:19:17 | 75,96  | 2149 | 16:23:52 | 63,57  |
| 1930 | 16:05:37 | 75,07  | 1985 | 16:10:12 | 74,78  | 2040 | 16:14:47 | 73,32  | 2095 | 16:19:22 | 75,53  | 2150 | 16:23:57 | 62,12  |
| 1931 | 16:05:42 | 75,03  | 1986 | 16:10:17 | 76,19  | 2041 | 16:14:52 | 75,98  | 2096 | 16:19:27 | 75,43  | 2151 | 16:24:02 | 68,92  |
| 1932 | 16:05:47 | 75,08  | 1987 | 16:10:22 | 77,65  | 2042 | 16:14:57 | 77,46  | 2097 | 16:19:32 | 75,84  | 2152 | 16:24:07 | 65,77  |
| 1933 | 16:05:52 | 72,17  | 1988 | 16:10:27 | 75,96  | 2043 | 16:15:02 | 77,60  | 2098 | 16:19:37 | 80,39  | 2153 | 16:24:12 | 65,89  |
| 1934 | 16:05:57 | 74,42  | 1989 | 16:10:32 | 74,91  | 2044 | 16:15:07 | 76,46  | 2099 | 16:19:42 | 84,22  | 2154 | 16:24:17 | 73,17  |
| 1935 | 16:06:02 | 83,73  | 1990 | 16:10:37 | 74,94  | 2045 | 16:15:12 | 74,67  | 2100 | 16:19:47 | 77,52  | 2155 | 16:24:22 | 67,42  |
| 1936 | 16:06:07 | 82,74  | 1991 | 16:10:42 | 74,83  | 2046 | 16:15:17 | 73,91  | 2101 | 16:19:52 | 74,58  | 2156 | 16:24:27 | 66,78  |
| 1937 | 16:06:12 | 81,96  | 1992 | 16:10:47 | 74,83  | 2047 | 16:15:22 | 94,14  | 2102 | 16:19:57 | 85,28  | 2157 | 16:24:32 | 60,97  |
| 1938 | 16:06:17 | 79,34  | 1993 | 16:10:52 | 74,59  | 2048 | 16:15:27 | 93,88  | 2103 | 16:20:02 | 80,14  | 2158 | 16:24:37 | 60,12  |
| 1939 | 16:06:22 | 78,21  | 1994 | 16:10:57 | 74,49  | 2049 | 16:15:32 | 96,64  | 2104 | 16:20:07 | 71,48  | 2159 | 16:24:42 | 59,96  |
| 1940 | 16:06:27 | 78,01  | 1995 | 16:11:02 | 75,72  | 2050 | 16:15:37 | 95,80  | 2105 | 16:20:12 | 71,27  | 2160 | 16:24:47 | 67,27  |
| 1941 | 16:06:32 | 78,40  | 1996 | 16:11:07 | 90,15  | 2051 | 16:15:42 | 95,22  | 2106 | 16:20:17 | 70,32  | 2161 | 16:24:52 | 69,36  |
| 1942 | 16:06:37 | 77,97  | 1997 | 16:11:12 | 82,84  | 2052 | 16:15:47 | 84,55  | 2107 | 16:20:22 | 70,15  | 2162 | 16:24:57 | 66,01  |
| 1943 | 16:06:42 | 73,69  | 1998 | 16:11:17 | 75,29  | 2053 | 16:15:52 | 75,10  | 2108 | 16:20:27 | 70,58  | 2163 | 16:25:02 | 71,77  |
| 1944 | 16:06:47 | 74,01  | 1999 | 16:11:22 | 75,94  | 2054 | 16:15:57 | 74,42  | 2109 | 16:20:32 | 71,62  | 2164 | 16:25:07 | 71,40  |
| 1945 | 16:06:52 | 72,96  | 2000 | 16:11:27 | 76,61  | 2055 | 16:16:02 | 73,72  | 2110 | 16:20:37 | 72,27  | 2165 | 16:25:12 | 76,05  |
| 1946 | 16:06:57 | 84,52  | 2001 | 16:11:32 | 81,20  | 2056 | 16:16:07 | 73,45  | 2111 | 16:20:42 | 71,65  | 2166 | 16:25:17 | 66,44  |
| 1947 | 16:07:02 | 82,00  | 2002 | 16:11:37 | 82,95  | 2057 | 16:16:12 | 77,52  | 2112 | 16:20:47 | 71,86  | 2167 | 16:25:22 | 60,21  |
| 1948 | 16:07:07 | 84,86  | 2003 | 16:11:42 | 92,88  | 2058 | 16:16:17 | 75,69  | 2113 | 16:20:52 | 75,61  | 2168 | 16:25:27 | 58,17  |
| 1949 | 16:07:12 | 73,96  | 2004 | 16:11:47 | 92,26  | 2059 | 16:16:22 | 78,86  | 2114 | 16:20:57 | 74,32  | 2169 | 16:25:32 | 77,17  |
| 1950 | 16:07:17 | 77,88  | 2005 | 16:11:52 | 90,14  | 2060 | 16:16:27 | 73,06  | 2115 | 16:21:02 | 68,76  | 2170 | 16:25:37 | 70,14  |
| 1951 | 16:07:22 | 77,61  | 2006 | 16:11:57 | 83,40  | 2061 | 16:16:32 | 75,38  | 2116 | 16:21:07 | 65,46  | 2171 | 16:25:42 | 64,23  |
| 1952 | 16:07:27 | 77,26  | 2007 | 16:12:02 | 90,15  | 2062 | 16:16:37 | 76,70  | 2117 | 16:21:12 | 68,00  | 2172 | 16:25:47 | 62,99  |
| 1953 | 16:07:32 | 75,32  | 2008 | 16:12:07 | 84,94  | 2063 | 16:16:42 | 76,89  | 2118 | 16:21:17 | 66,59  | 2173 | 16:25:52 | 60,48  |
| 1954 | 16:07:37 | 74,19  | 2009 | 16:12:12 | 82,71  | 2064 | 16:16:47 | 84,67  | 2119 | 16:21:22 | 60,60  | 2174 | 16:25:57 | 58,32  |
| 1955 | 16:07:42 | 80,69  | 2010 | 16:12:17 | 90,35  | 2065 | 16:16:52 | 88,75  | 2120 | 16:21:27 | 79,07  | 2175 | 16:26:02 | 62,56  |
| 1956 | 16:07:47 | 85,89  | 2011 | 16:12:22 | 86,38  | 2066 | 16:16:57 | 91,19  | 2121 | 16:21:32 | 77,13  | 2176 | 16:26:07 | 66,71  |
| 1957 | 16:07:52 | 79,90  | 2012 | 16:12:27 | 73,53  | 2067 | 16:17:02 | 87,04  | 2122 | 16:21:37 | 73,35  | 2177 | 16:26:12 | 68,20  |
| 1958 | 16:07:57 | 72,89  | 2013 | 16:12:32 | 76,34  | 2068 | 16:17:07 | 76,59  | 2123 | 16:21:42 | 70,45  | 2178 | 16:26:17 | 71,98  |
| 1959 | 16:08:02 | 76,75  | 2014 | 16:12:37 | 80,19  | 2069 | 16:17:12 | 75,60  | 2124 | 16:21:47 | 78,65  | 2179 | 16:26:22 | 73,74  |
| 1960 | 16:08:07 | 74,78  | 2015 | 16:12:42 | 84,38  | 2070 | 16:17:17 | 77,60  | 2125 | 16:21:52 | 81,21  | 2180 | 16:26:27 | 71,12  |
| 1961 | 16:08:12 | 74,41  | 2016 | 16:12:47 | 80,24  | 2071 | 16:17:22 | 76,38  | 2126 | 16:21:57 | 70,77  | 2181 | 16:26:32 | 81,52  |
| 1962 | 16:08:17 | 74,55  | 2017 | 16:12:52 | 83,69  | 2072 | 16:17:27 | 76,21  | 2127 | 16:22:02 | 67,73  | 2182 | 16:26:37 | 79,76  |
| 1963 | 16:08:22 | 74,85  | 2018 | 16:12:57 | 74,49  | 2073 | 16:17:32 | 76,78  | 2128 | 16:22:07 | 66,44  | 2183 | 16:26:42 | 73,52  |
| 1964 | 16:08:27 | 76,03  | 2019 | 16:13:02 | 74,24  | 2074 | 16:17:37 | 76,22  | 2129 | 16:22:12 | 66,33  | 2184 | 16:26:47 | 68,43  |
| 1965 | 16:08:32 | 75,95  | 2020 | 16:13:07 | 74,46  | 2075 | 16:17:42 | 76,67  | 2130 | 16:22:17 | 67,65  | 2185 | 16:26:52 | 83,64  |
| 1966 | 16:08:37 | 77,07  | 2021 | 16:13:12 | 74,05  | 2076 | 16:17:47 | 76,79  | 2131 | 16:22:22 | 66,93  | 2186 | 16:26:57 | 80,73  |
| 1967 | 16:08:42 | 76,48  | 2022 | 16:13:17 | 74,09  | 2077 | 16:17:52 | 77,35  | 2132 | 16:22:27 | 66,32  | 2187 | 16:27:02 | 74,85  |
| 1968 | 16:08:47 | 76,27  | 2023 | 16:13:22 | 74,03  | 2078 | 16:17:57 | 76,10  | 2133 | 16:22:32 | 64,17  | 2188 | 16:27:07 | 77,94  |
| 1969 | 16:08:52 | 76,54  | 2024 | 16:13:27 | 73,66  | 2079 | 16:18:02 | 86,76  | 2134 | 16:22:37 | 64,58  | 2189 | 16:27:12 | 79,07  |
| 1970 | 16:08:57 | 77,72  | 2025 | 16:13:32 | 73,27  | 2080 | 16:18:07 | 84,78  | 2135 | 16:22:42 | 76,44  | 2190 | 16:27:17 | 79,69  |
| 1971 | 16:09:02 | 77,99  | 2026 | 16:13:37 | 91,36  | 2081 | 16:18:12 | 79,62  | 2136 | 16:22:47 | 63,81  | 2191 | 16:27:22 | 75,38  |
| 1972 | 16:09:07 | 74,54  | 2027 | 16:13:42 | 89,66  | 2082 | 16:18:17 | 80,43  | 2137 | 16:22:52 | 63,32  | 2192 | 16:27:27 | 80,98  |
| 1973 | 16:09:12 | 75,93  | 2028 | 16:13:47 | 83,24  | 2083 | 16:18:22 | 75,31  | 2138 | 16:22:57 | 63,34  | 2193 | 16:27:32 | 96,11  |
| 1974 | 16:09:17 | 77,13  | 2029 | 16:13:52 | 75,58  | 2084 | 16:18:27 | 75,30  | 2139 | 16:23:02 | 63,49  | 2194 | 16:27:37 | 88,37  |
| 1975 | 16:09:22 | 77,47  | 2030 | 16:13:57 | 74,60  | 2085 | 16:18:32 | 75,63  | 2140 | 16:23:07 | 64,32  | 2195 | 16:27:42 | 78,50  |
| 1976 | 16:09:27 | 76,99  | 2031 | 16:14:02 | 74,41  | 2086 | 16:18:37 | 90,61  | 2141 | 16:23:12 | 66,19  | 2196 | 16:27:47 | 71,37  |
| 1977 | 16:09:32 | 73,56  | 2032 | 16:14:07 | 87,44  | 2087 | 16:18:42 | 83,58  | 2142 | 16:23:17 | 80,46  | 2197 | 16:27:52 | 66,63  |
| 1978 | 16:09:37 | 75,70  | 2033 | 16:14:12 | 91,86  | 2088 | 16:18:47 | 76,79  | 2143 | 16:23:22 | 79,01  | 2198 | 16:27:57 | 66,94  |
| 1979 | 16:09:42 | 77,24  | 2034 | 16:14:17 | 81,84  | 2089 | 16:18:52 | 75,54  | 2144 | 16:23:27 | 78,10  | 2199 | 16:28:02 | 69,12  |
| 1980 | 16:09:47 | 76,34  | 2035 | 16:14:22 | 82,61  | 2090 | 16:18:57 | 76,80  | 2145 | 16:23:32 | 79,94  | 2200 | 16:28:07 | 64,94  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 2201 | 16:28:12 | 58,33  | 2256 | 16:32:47 | 79,91  | 2311 | 16:37:22 | 59,85  | 2366 | 16:41:57 | 76,69  | 2421 | 16:46:32 | 71,21  |
| 2202 | 16:28:17 | 62,16  | 2257 | 16:32:52 | 83,96  | 2312 | 16:37:27 | 72,37  | 2367 | 16:42:02 | 76,61  | 2422 | 16:46:37 | 71,70  |
| 2203 | 16:28:22 | 59,65  | 2258 | 16:32:57 | 83,03  | 2313 | 16:37:32 | 66,83  | 2368 | 16:42:07 | 58,80  | 2423 | 16:46:42 | 59,15  |
| 2204 | 16:28:27 | 60,71  | 2259 | 16:33:02 | 80,30  | 2314 | 16:37:37 | 62,82  | 2369 | 16:42:12 | 56,46  | 2424 | 16:46:47 | 64,20  |
| 2205 | 16:28:32 | 67,85  | 2260 | 16:33:07 | 82,36  | 2315 | 16:37:42 | 64,69  | 2370 | 16:42:17 | 58,02  | 2425 | 16:46:52 | 62,28  |
| 2206 | 16:28:37 | 68,83  | 2261 | 16:33:12 | 85,22  | 2316 | 16:37:47 | 65,12  | 2371 | 16:42:22 | 55,57  | 2426 | 16:46:57 | 78,35  |
| 2207 | 16:28:42 | 71,23  | 2262 | 16:33:17 | 83,95  | 2317 | 16:37:52 | 63,26  | 2372 | 16:42:27 | 53,87  | 2427 | 16:47:02 | 70,89  |
| 2208 | 16:28:47 | 84,52  | 2263 | 16:33:22 | 81,44  | 2318 | 16:37:57 | 84,83  | 2373 | 16:42:32 | 60,87  | 2428 | 16:47:07 | 78,36  |
| 2209 | 16:28:52 | 82,17  | 2264 | 16:33:27 | 93,06  | 2319 | 16:38:02 | 76,12  | 2374 | 16:42:37 | 58,89  | 2429 | 16:47:12 | 78,64  |
| 2210 | 16:28:57 | 80,22  | 2265 | 16:33:32 | 85,08  | 2320 | 16:38:07 | 71,70  | 2375 | 16:42:42 | 55,04  | 2430 | 16:47:17 | 86,90  |
| 2211 | 16:29:02 | 62,53  | 2266 | 16:33:37 | 77,54  | 2321 | 16:38:12 | 71,31  | 2376 | 16:42:47 | 54,90  | 2431 | 16:47:22 | 81,49  |
| 2212 | 16:29:07 | 70,63  | 2267 | 16:33:42 | 68,14  | 2322 | 16:38:17 | 55,97  | 2377 | 16:42:52 | 59,29  | 2432 | 16:47:27 | 80,46  |
| 2213 | 16:29:12 | 79,34  | 2268 | 16:33:47 | 76,51  | 2323 | 16:38:22 | 72,21  | 2378 | 16:42:57 | 59,05  | 2433 | 16:47:32 | 62,98  |
| 2214 | 16:29:17 | 78,55  | 2269 | 16:33:52 | 77,40  | 2324 | 16:38:27 | 74,45  | 2379 | 16:43:02 | 64,10  | 2434 | 16:47:37 | 73,09  |
| 2215 | 16:29:22 | 80,01  | 2270 | 16:33:57 | 77,06  | 2325 | 16:38:32 | 68,03  | 2380 | 16:43:07 | 60,04  | 2435 | 16:47:42 | 63,95  |
| 2216 | 16:29:27 | 81,55  | 2271 | 16:34:02 | 82,45  | 2326 | 16:38:37 | 68,03  | 2381 | 16:43:12 | 60,18  | 2436 | 16:47:47 | 76,49  |
| 2217 | 16:29:32 | 82,24  | 2272 | 16:34:07 | 75,37  | 2327 | 16:38:42 | 71,51  | 2382 | 16:43:17 | 68,35  | 2437 | 16:47:52 | 68,58  |
| 2218 | 16:29:37 | 80,96  | 2273 | 16:34:12 | 79,05  | 2328 | 16:38:47 | 67,19  | 2383 | 16:43:22 | 55,91  | 2438 | 16:47:57 | 56,26  |
| 2219 | 16:29:42 | 81,03  | 2274 | 16:34:17 | 81,29  | 2329 | 16:38:52 | 71,59  | 2384 | 16:43:27 | 52,50  | 2439 | 16:48:02 | 57,72  |
| 2220 | 16:29:47 | 65,47  | 2275 | 16:34:22 | 83,83  | 2330 | 16:38:57 | 74,25  | 2385 | 16:43:32 | 76,43  | 2440 | 16:48:07 | 67,36  |
| 2221 | 16:29:52 | 78,78  | 2276 | 16:34:27 | 83,96  | 2331 | 16:39:02 | 78,48  | 2386 | 16:43:37 | 68,35  | 2441 | 16:48:12 | 70,35  |
| 2222 | 16:29:57 | 79,60  | 2277 | 16:34:32 | 81,69  | 2332 | 16:39:07 | 77,01  | 2387 | 16:43:42 | 61,34  | 2442 | 16:48:17 | 66,01  |
| 2223 | 16:30:02 | 80,52  | 2278 | 16:34:37 | 81,37  | 2333 | 16:39:12 | 77,29  | 2388 | 16:43:47 | 60,64  | 2443 | 16:48:22 | 63,76  |
| 2224 | 16:30:07 | 82,40  | 2279 | 16:34:42 | 79,99  | 2334 | 16:39:17 | 70,28  | 2389 | 16:43:52 | 64,13  | 2444 | 16:48:27 | 60,03  |
| 2225 | 16:30:12 | 79,00  | 2280 | 16:34:47 | 60,67  | 2335 | 16:39:22 | 79,37  | 2390 | 16:43:57 | 79,07  | 2445 | 16:48:32 | 58,93  |
| 2226 | 16:30:17 | 74,18  | 2281 | 16:34:52 | 56,92  | 2336 | 16:39:27 | 79,65  | 2391 | 16:44:02 | 71,82  | 2446 | 16:48:37 | 59,42  |
| 2227 | 16:30:22 | 83,51  | 2282 | 16:34:57 | 59,32  | 2337 | 16:39:32 | 80,09  | 2392 | 16:44:07 | 81,67  | 2447 | 16:48:42 | 60,20  |
| 2228 | 16:30:27 | 81,81  | 2283 | 16:35:02 | 75,21  | 2338 | 16:39:37 | 78,30  | 2393 | 16:44:12 | 73,57  | 2448 | 16:48:47 | 63,89  |
| 2229 | 16:30:32 | 83,03  | 2284 | 16:35:07 | 75,86  | 2339 | 16:39:42 | 73,42  | 2394 | 16:44:17 | 66,21  | 2449 | 16:48:52 | 66,23  |
| 2230 | 16:30:37 | 82,98  | 2285 | 16:35:12 | 69,66  | 2340 | 16:39:47 | 79,24  | 2395 | 16:44:22 | 59,03  | 2450 | 16:48:57 | 65,24  |
| 2231 | 16:30:42 | 76,46  | 2286 | 16:35:17 | 76,04  | 2341 | 16:39:52 | 76,90  | 2396 | 16:44:27 | 57,73  | 2451 | 16:49:02 | 63,16  |
| 2232 | 16:30:47 | 76,77  | 2287 | 16:35:22 | 79,77  | 2342 | 16:39:57 | 77,52  | 2397 | 16:44:32 | 58,70  | 2452 | 16:49:07 | 64,58  |
| 2233 | 16:30:52 | 70,53  | 2288 | 16:35:27 | 78,20  | 2343 | 16:40:02 | 78,99  | 2398 | 16:44:37 | 61,16  | 2453 | 16:49:12 | 62,37  |
| 2234 | 16:30:57 | 81,24  | 2289 | 16:35:32 | 71,50  | 2344 | 16:40:07 | 70,95  | 2399 | 16:44:42 | 60,75  | 2454 | 16:49:17 | 66,81  |
| 2235 | 16:31:02 | 78,03  | 2290 | 16:35:37 | 65,25  | 2345 | 16:40:12 | 74,27  | 2400 | 16:44:47 | 60,31  | 2455 | 16:49:22 | 64,85  |
| 2236 | 16:31:07 | 76,59  | 2291 | 16:35:42 | 82,20  | 2346 | 16:40:17 | 71,73  | 2401 | 16:44:52 | 69,36  | 2456 | 16:49:27 | 70,67  |
| 2237 | 16:31:12 | 81,14  | 2292 | 16:35:47 | 83,39  | 2347 | 16:40:22 | 71,43  | 2402 | 16:44:57 | 63,11  | 2457 | 16:49:32 | 73,79  |
| 2238 | 16:31:17 | 86,50  | 2293 | 16:35:52 | 79,74  | 2348 | 16:40:27 | 66,11  | 2403 | 16:45:02 | 63,93  | 2458 | 16:49:37 | 70,76  |
| 2239 | 16:31:22 | 85,42  | 2294 | 16:35:57 | 77,03  | 2349 | 16:40:32 | 74,17  | 2404 | 16:45:07 | 60,13  | 2459 | 16:49:42 | 66,73  |
| 2240 | 16:31:27 | 85,27  | 2295 | 16:36:02 | 78,77  | 2350 | 16:40:37 | 74,94  | 2405 | 16:45:12 | 66,27  | 2460 | 16:49:47 | 63,72  |
| 2241 | 16:31:32 | 86,87  | 2296 | 16:36:07 | 71,69  | 2351 | 16:40:42 | 69,47  | 2406 | 16:45:17 | 61,44  | 2461 | 16:49:52 | 66,20  |
| 2242 | 16:31:37 | 85,59  | 2297 | 16:36:12 | 59,58  | 2352 | 16:40:47 | 59,63  | 2407 | 16:45:22 | 65,51  | 2462 | 16:49:57 | 67,63  |
| 2243 | 16:31:42 | 83,59  | 2298 | 16:36:17 | 72,55  | 2353 | 16:40:52 | 66,35  | 2408 | 16:45:27 | 63,46  | 2463 | 16:50:02 | 66,19  |
| 2244 | 16:31:47 | 84,62  | 2299 | 16:36:22 | 69,60  | 2354 | 16:40:57 | 64,67  | 2409 | 16:45:32 | 65,35  | 2464 | 16:50:07 | 70,41  |
| 2245 | 16:31:52 | 85,99  | 2300 | 16:36:27 | 71,33  | 2355 | 16:41:02 | 57,96  | 2410 | 16:45:37 | 64,58  | 2465 | 16:50:12 | 71,61  |
| 2246 | 16:31:57 | 86,24  | 2301 | 16:36:32 | 75,93  | 2356 | 16:41:07 | 63,02  | 2411 | 16:45:42 | 69,96  | 2466 | 16:50:17 | 72,81  |
| 2247 | 16:32:02 | 80,24  | 2302 | 16:36:37 | 65,88  | 2357 | 16:41:12 | 54,60  | 2412 | 16:45:47 | 73,72  | 2467 | 16:50:22 | 73,03  |
| 2248 | 16:32:07 | 77,16  | 2303 | 16:36:42 | 81,14  | 2358 | 16:41:17 | 62,49  | 2413 | 16:45:52 | 73,80  | 2468 | 16:50:27 | 69,21  |
| 2249 | 16:32:12 | 76,10  | 2304 | 16:36:47 | 74,48  | 2359 | 16:41:22 | 63,27  | 2414 | 16:45:57 | 65,59  | 2469 | 16:50:32 | 83,49  |
| 2250 | 16:32:17 | 81,35  | 2305 | 16:36:52 | 71,36  | 2360 | 16:41:27 | 54,86  | 2415 | 16:46:02 | 78,04  | 2470 | 16:50:37 | 89,31  |
| 2251 | 16:32:22 | 82,00  | 2306 | 16:36:57 | 66,21  | 2361 | 16:41:32 | 55,57  | 2416 | 16:46:07 | 78,44  | 2471 | 16:50:42 | 80,34  |
| 2252 | 16:32:27 | 81,09  | 2307 | 16:37:02 | 65,14  | 2362 | 16:41:37 | 58,27  | 2417 | 16:46:12 | 77,23  | 2472 | 16:50:47 | 73,79  |
| 2253 | 16:32:32 | 80,03  | 2308 | 16:37:07 | 64,25  | 2363 | 16:41:42 | 57,29  | 2418 | 16:46:17 | 70,66  | 2473 | 16:50:52 | 81,53  |
| 2254 | 16:32:37 | 77,89  | 2309 | 16:37:12 | 59,84  | 2364 | 16:41:47 | 76,93  | 2419 | 16:46:22 | 64,50  | 2474 | 16:50:57 | 65,96  |
| 2255 | 16:32:42 | 74,10  | 2310 | 16:37:17 | 60,97  | 2365 | 16:41:52 | 64,91  | 2420 | 16:46:27 | 63,66  | 2475 | 16:51:02 | 59,13  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 2476 | 16:51:07 | 56,93  | 2531 | 16:55:42 | 80,92  | 2586 | 17:00:17 | 80,30  | 2641 | 17:04:52 | 61,48  | 2696 | 17:09:27 | 77,14  |
| 2477 | 16:51:12 | 56,50  | 2532 | 16:55:47 | 72,51  | 2587 | 17:00:22 | 66,19  | 2642 | 17:04:57 | 60,76  | 2697 | 17:09:32 | 77,67  |
| 2478 | 16:51:17 | 54,95  | 2533 | 16:55:52 | 76,20  | 2588 | 17:00:27 | 63,87  | 2643 | 17:05:02 | 62,47  | 2698 | 17:09:37 | 77,92  |
| 2479 | 16:51:22 | 60,85  | 2534 | 16:55:57 | 71,76  | 2589 | 17:00:32 | 56,87  | 2644 | 17:05:07 | 61,38  | 2699 | 17:09:42 | 75,89  |
| 2480 | 16:51:27 | 64,18  | 2535 | 16:56:02 | 75,70  | 2590 | 17:00:37 | 59,93  | 2645 | 17:05:12 | 78,74  | 2700 | 17:09:47 | 76,60  |
| 2481 | 16:51:32 | 55,99  | 2536 | 16:56:07 | 66,84  | 2591 | 17:00:42 | 68,45  | 2646 | 17:05:17 | 73,35  | 2701 | 17:09:52 | 79,17  |
| 2482 | 16:51:37 | 54,41  | 2537 | 16:56:12 | 69,93  | 2592 | 17:00:47 | 77,59  | 2647 | 17:05:22 | 65,03  | 2702 | 17:09:57 | 78,73  |
| 2483 | 16:51:42 | 77,26  | 2538 | 16:56:17 | 66,72  | 2593 | 17:00:52 | 83,04  | 2648 | 17:05:27 | 68,23  | 2703 | 17:10:02 | 76,86  |
| 2484 | 16:51:47 | 63,12  | 2539 | 16:56:22 | 71,60  | 2594 | 17:00:57 | 77,20  | 2649 | 17:05:32 | 62,63  | 2704 | 17:10:07 | 76,32  |
| 2485 | 16:51:52 | 58,77  | 2540 | 16:56:27 | 72,22  | 2595 | 17:01:02 | 73,66  | 2650 | 17:05:37 | 64,58  | 2705 | 17:10:12 | 75,69  |
| 2486 | 16:51:57 | 67,82  | 2541 | 16:56:32 | 74,55  | 2596 | 17:01:07 | 81,06  | 2651 | 17:05:42 | 81,48  | 2706 | 17:10:17 | 74,50  |
| 2487 | 16:52:02 | 62,39  | 2542 | 16:56:37 | 83,31  | 2597 | 17:01:12 | 73,34  | 2652 | 17:05:47 | 80,65  | 2707 | 17:10:22 | 76,24  |
| 2488 | 16:52:07 | 59,47  | 2543 | 16:56:42 | 79,34  | 2598 | 17:01:17 | 84,54  | 2653 | 17:05:52 | 72,48  | 2708 | 17:10:27 | 75,38  |
| 2489 | 16:52:12 | 71,95  | 2544 | 16:56:47 | 84,99  | 2599 | 17:01:22 | 80,70  | 2654 | 17:05:57 | 83,01  | 2709 | 17:10:32 | 75,41  |
| 2490 | 16:52:17 | 69,33  | 2545 | 16:56:52 | 87,20  | 2600 | 17:01:27 | 67,69  | 2655 | 17:06:02 | 66,23  | 2710 | 17:10:37 | 74,80  |
| 2491 | 16:52:22 | 67,70  | 2546 | 16:56:57 | 82,29  | 2601 | 17:01:32 | 58,80  | 2656 | 17:06:07 | 70,97  | 2711 | 17:10:42 | 79,43  |
| 2492 | 16:52:27 | 76,44  | 2547 | 16:57:02 | 82,43  | 2602 | 17:01:37 | 58,19  | 2657 | 17:06:12 | 77,25  | 2712 | 17:10:47 | 76,82  |
| 2493 | 16:52:32 | 73,66  | 2548 | 16:57:07 | 90,25  | 2603 | 17:01:42 | 73,29  | 2658 | 17:06:17 | 87,51  | 2713 | 17:10:52 | 69,90  |
| 2494 | 16:52:37 | 70,76  | 2549 | 16:57:12 | 96,03  | 2604 | 17:01:47 | 75,17  | 2659 | 17:06:22 | 88,95  | 2714 | 17:10:57 | 63,99  |
| 2495 | 16:52:42 | 70,71  | 2550 | 16:57:17 | 83,21  | 2605 | 17:01:52 | 65,68  | 2660 | 17:06:27 | 90,14  | 2715 | 17:11:02 | 78,07  |
| 2496 | 16:52:47 | 74,04  | 2551 | 16:57:22 | 71,47  | 2606 | 17:01:57 | 65,58  | 2661 | 17:06:32 | 87,94  | 2716 | 17:11:07 | 73,31  |
| 2497 | 16:52:52 | 84,34  | 2552 | 16:57:27 | 77,89  | 2607 | 17:02:02 | 73,78  | 2662 | 17:06:37 | 87,53  | 2717 | 17:11:12 | 65,20  |
| 2498 | 16:52:57 | 82,82  | 2553 | 16:57:32 | 74,42  | 2608 | 17:02:07 | 76,37  | 2663 | 17:06:42 | 87,75  | 2718 | 17:11:17 | 84,60  |
| 2499 | 16:53:02 | 85,64  | 2554 | 16:57:37 | 85,36  | 2609 | 17:02:12 | 72,92  | 2664 | 17:06:47 | 87,17  | 2719 | 17:11:22 | 86,78  |
| 2500 | 16:53:07 | 79,07  | 2555 | 16:57:42 | 86,83  | 2610 | 17:02:17 | 82,18  | 2665 | 17:06:52 | 84,31  |      |          |        |
| 2501 | 16:53:12 | 81,05  | 2556 | 16:57:47 | 85,60  | 2611 | 17:02:22 | 70,21  | 2666 | 17:06:57 | 70,22  |      |          |        |
| 2502 | 16:53:17 | 76,30  | 2557 | 16:57:52 | 85,96  | 2612 | 17:02:27 | 76,80  | 2667 | 17:07:02 | 76,33  |      |          |        |
| 2503 | 16:53:22 | 74,60  | 2558 | 16:57:57 | 85,53  | 2613 | 17:02:32 | 66,58  | 2668 | 17:07:07 | 72,07  |      |          |        |
| 2504 | 16:53:27 | 80,03  | 2559 | 16:58:02 | 83,07  | 2614 | 17:02:37 | 55,55  | 2669 | 17:07:12 | 77,35  |      |          |        |
| 2505 | 16:53:32 | 73,64  | 2560 | 16:58:07 | 78,24  | 2615 | 17:02:42 | 60,56  | 2670 | 17:07:17 | 79,93  |      |          |        |
| 2506 | 16:53:37 | 64,65  | 2561 | 16:58:12 | 89,56  | 2616 | 17:02:47 | 59,00  | 2671 | 17:07:22 | 76,46  |      |          |        |
| 2507 | 16:53:42 | 71,57  | 2562 | 16:58:17 | 93,00  | 2617 | 17:02:52 | 57,21  | 2672 | 17:07:27 | 76,36  |      |          |        |
| 2508 | 16:53:47 | 69,94  | 2563 | 16:58:22 | 83,98  | 2618 | 17:02:57 | 56,47  | 2673 | 17:07:32 | 76,98  |      |          |        |
| 2509 | 16:53:52 | 74,17  | 2564 | 16:58:27 | 75,38  | 2619 | 17:03:02 | 64,80  | 2674 | 17:07:37 | 76,52  |      |          |        |
| 2510 | 16:53:57 | 71,46  | 2565 | 16:58:32 | 58,10  | 2620 | 17:03:07 | 60,23  | 2675 | 17:07:42 | 78,74  |      |          |        |
| 2511 | 16:54:02 | 69,51  | 2566 | 16:58:37 | 55,94  | 2621 | 17:03:12 | 55,21  | 2676 | 17:07:47 | 78,44  |      |          |        |
| 2512 | 16:54:07 | 73,77  | 2567 | 16:58:42 | 58,00  | 2622 | 17:03:17 | 56,82  | 2677 | 17:07:52 | 78,02  |      |          |        |
| 2513 | 16:54:12 | 71,86  | 2568 | 16:58:47 | 76,86  | 2623 | 17:03:22 | 59,76  | 2678 | 17:07:57 | 76,28  |      |          |        |
| 2514 | 16:54:17 | 68,67  | 2569 | 16:58:52 | 79,16  | 2624 | 17:03:27 | 59,82  | 2679 | 17:08:02 | 77,78  |      |          |        |
| 2515 | 16:54:22 | 58,16  | 2570 | 16:58:57 | 87,76  | 2625 | 17:03:32 | 61,12  | 2680 | 17:08:07 | 76,37  |      |          |        |
| 2516 | 16:54:27 | 59,40  | 2571 | 16:59:02 | 79,62  | 2626 | 17:03:37 | 58,57  | 2681 | 17:08:12 | 75,37  |      |          |        |
| 2517 | 16:54:32 | 59,97  | 2572 | 16:59:07 | 63,89  | 2627 | 17:03:42 | 62,94  | 2682 | 17:08:17 | 77,05  |      |          |        |
| 2518 | 16:54:37 | 73,13  | 2573 | 16:59:12 | 58,77  | 2628 | 17:03:47 | 69,97  | 2683 | 17:08:22 | 77,21  |      |          |        |
| 2519 | 16:54:42 | 75,38  | 2574 | 16:59:17 | 57,25  | 2629 | 17:03:52 | 81,33  | 2684 | 17:08:27 | 75,86  |      |          |        |
| 2520 | 16:54:47 | 75,11  | 2575 | 16:59:22 | 58,12  | 2630 | 17:03:57 | 73,37  | 2685 | 17:08:32 | 76,61  |      |          |        |
| 2521 | 16:54:52 | 61,29  | 2576 | 16:59:27 | 70,63  | 2631 | 17:04:02 | 85,49  | 2686 | 17:08:37 | 77,43  |      |          |        |
| 2522 | 16:54:57 | 54,09  | 2577 | 16:59:32 | 76,23  | 2632 | 17:04:07 | 69,21  | 2687 | 17:08:42 | 75,50  |      |          |        |
| 2523 | 16:55:02 | 76,53  | 2578 | 16:59:37 | 69,67  | 2633 | 17:04:12 | 63,66  | 2688 | 17:08:47 | 76,36  |      |          |        |
| 2524 | 16:55:07 | 72,45  | 2579 | 16:59:42 | 71,40  | 2634 | 17:04:17 | 62,32  | 2689 | 17:08:52 | 78,78  |      |          |        |
| 2525 | 16:55:12 | 68,63  | 2580 | 16:59:47 | 70,53  | 2635 | 17:04:22 | 67,80  | 2690 | 17:08:57 | 77,61  |      |          |        |
| 2526 | 16:55:17 | 70,47  | 2581 | 16:59:52 | 64,17  | 2636 | 17:04:27 | 67,68  | 2691 | 17:09:02 | 76,02  |      |          |        |
| 2527 | 16:55:22 | 75,42  | 2582 | 16:59:57 | 74,51  | 2637 | 17:04:32 | 61,97  | 2692 | 17:09:07 | 76,84  |      |          |        |
| 2528 | 16:55:27 | 70,62  | 2583 | 17:00:02 | 80,20  | 2638 | 17:04:37 | 57,27  | 2693 | 17:09:12 | 77,98  |      |          |        |
| 2529 | 16:55:32 | 67,32  | 2584 | 17:00:07 | 91,40  | 2639 | 17:04:42 | 59,23  | 2694 | 17:09:17 | 76,28  |      |          |        |
| 2530 | 16:55:37 | 75,34  | 2585 | 17:00:12 | 95,14  | 2640 | 17:04:47 | 69,78  | 2695 | 17:09:22 | 74,06  |      |          |        |

Empresa avaliada: MUNICÍPIO DE PATO BRAGADO  
Setor: SECRETARIA DE OBRAS  
Funcionário avaliado: OPERADOR DE MÁQUINA  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRAB  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 07/08/2025

**Configuração dos dosímetros**

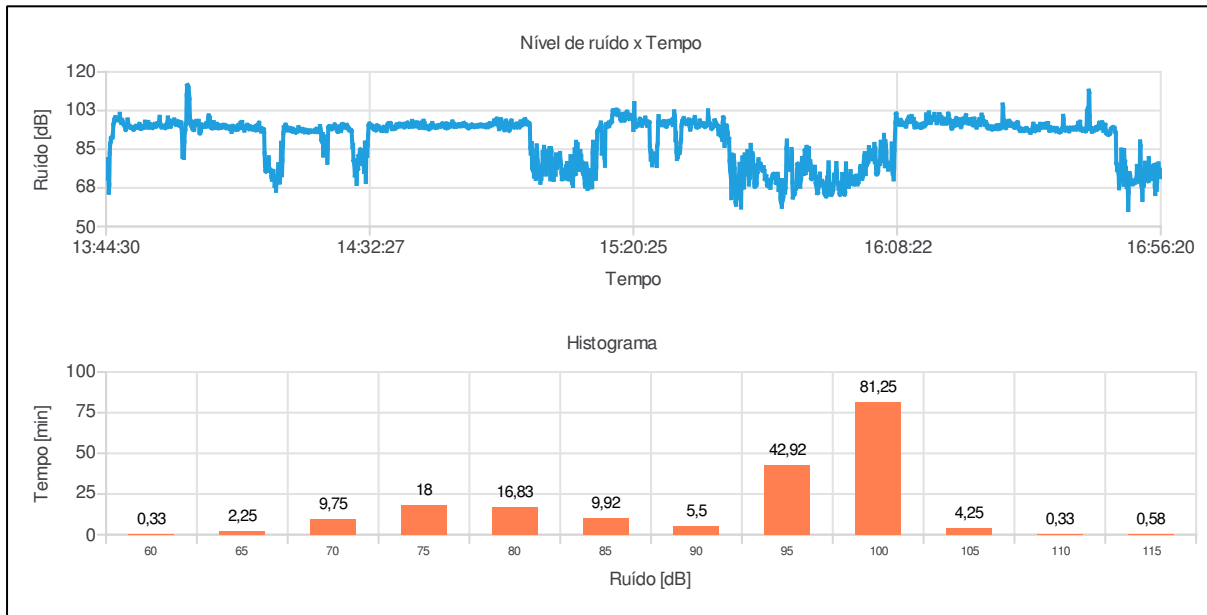
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Dosímetro NR15                       | Dosímetro NHO01                      | Dosímetro USER                       |
| Curva de ponderação: A               | Curva de ponderação: A               | Curva de ponderação: A               |
| Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       |
| Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           |
| Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 |
| Duplicação de dose (Q) [dB]: 5       | Duplicação de dose (Q) [dB]: 3       | Duplicação de dose (Q) [dB]: 3       |

**Resultado da avaliação**

|                                   |                           |                           |
|-----------------------------------|---------------------------|---------------------------|
| Duração: 03:11:59                 | Tempo em pausa: 00:00:11  |                           |
| Início: 13:44:30                  | Fim: 16:56:20             |                           |
| Dosímetro NR15                    | Dosímetro NHO01           | Dosímetro USER            |
| Dose [%]: 134,00                  | Dose [%]: 451,03          | Dose [%]: 451,03          |
| Dose diária [%]: 335,03           | Dose diária [%]: 1.127,67 | Dose diária [%]: 1.127,67 |
| Lavg [dB]: 93,72                  | Leq [dB]: 95,49           | Leq [dB]: 95,49           |
| NE [dB]: 93,72                    | NE [dB]: 95,49            | NE [dB]: 95,49            |
| NEN [dB]: 93,72                   | NEN [dB]: 95,49           | NEN [dB]: 0,00            |
| TWA [dB]: 87,11                   | TWA [dB]: 91,52           | TWA [dB]: 91,52           |
| Ocorrências de picos de 115 dB: 0 |                           |                           |

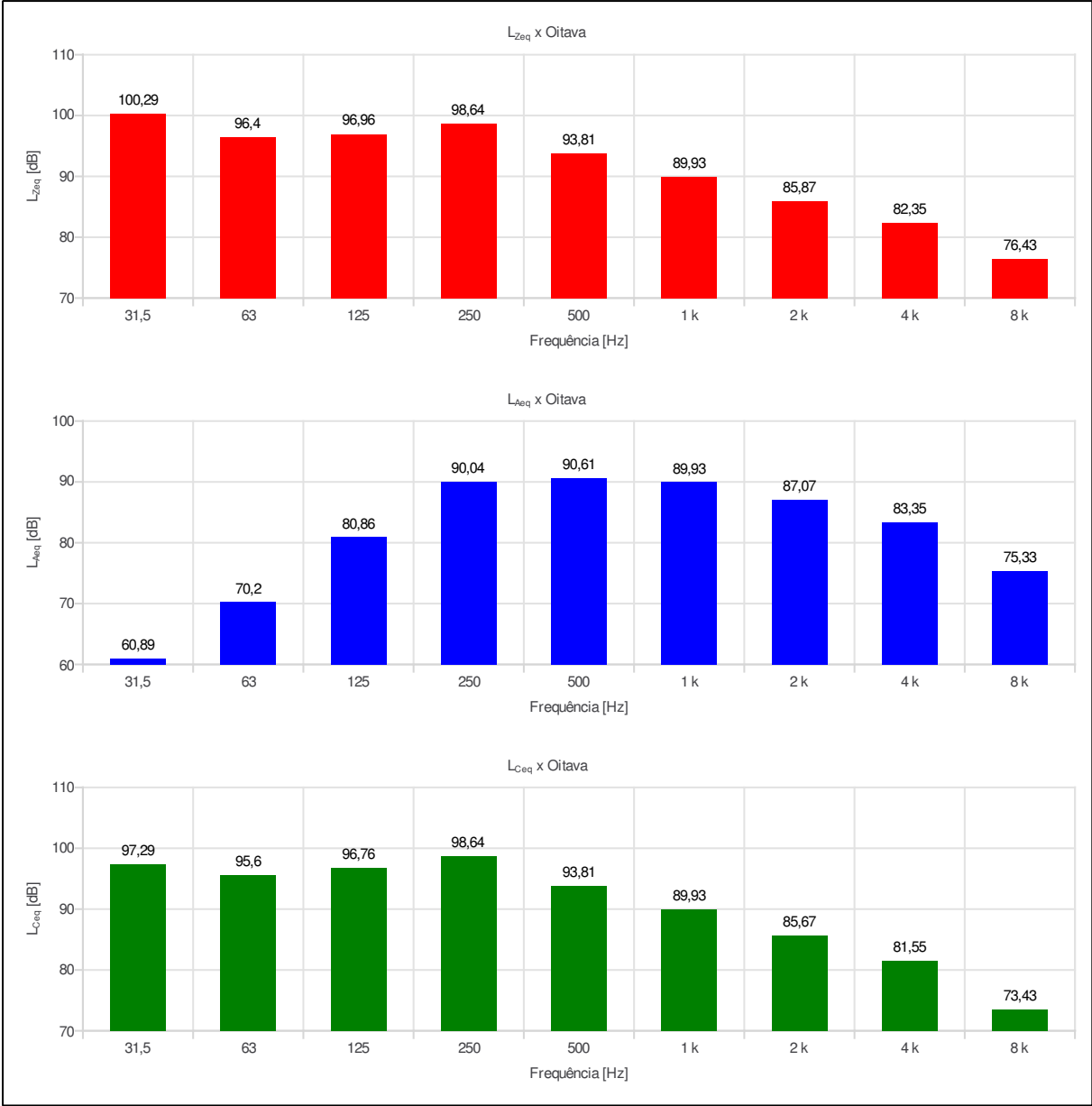
**Registro de calibração**

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Verificação de campo @ 1kHz                     | Calibração de laboratório          |
| Pré verificação [dB]: 114,00 (07/08/2025 13:43) | Dosímetro: CRA0131/2025 31/01/2025 |
| Pós verificação [dB]: 114,33 (07/08/2025 16:56) | Calibrador de áudio:               |
| Desvio [dB]: -0,33                              |                                    |

**Gráficos****Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA 147394/D

**Bandas de oitavas**



*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 13:44:30 | 75,11  | 056 | 13:49:05 | 94,86  | 111 | 13:53:40 | 95,94  | 166 | 13:58:15 | 94,80  | 221 | 14:02:50 | 95,90  |
| 002 | 13:44:35 | 72,34  | 057 | 13:49:10 | 94,84  | 112 | 13:53:45 | 96,59  | 167 | 13:58:20 | 89,68  | 222 | 14:02:55 | 95,38  |
| 003 | 13:44:40 | 75,47  | 058 | 13:49:15 | 94,61  | 113 | 13:53:50 | 96,74  | 168 | 13:58:25 | 81,56  | 223 | 14:03:00 | 96,75  |
| 004 | 13:44:45 | 71,58  | 059 | 13:49:20 | 94,80  | 114 | 13:53:55 | 96,50  | 169 | 13:58:30 | 88,00  | 224 | 14:03:05 | 99,20  |
| 005 | 13:44:50 | 80,57  | 060 | 13:49:25 | 94,46  | 115 | 13:54:00 | 96,22  | 170 | 13:58:35 | 88,74  | 225 | 14:03:10 | 100,26 |
| 006 | 13:44:55 | 75,33  | 061 | 13:49:30 | 93,90  | 116 | 13:54:05 | 96,07  | 171 | 13:58:40 | 81,07  | 226 | 14:03:15 | 99,11  |
| 007 | 13:45:00 | 65,34  | 062 | 13:49:35 | 94,90  | 117 | 13:54:10 | 97,45  | 172 | 13:58:45 | 88,32  | 227 | 14:03:20 | 99,47  |
| 008 | 13:45:05 | 68,84  | 063 | 13:49:40 | 95,03  | 118 | 13:54:15 | 99,65  | 173 | 13:58:50 | 93,16  | 228 | 14:03:25 | 98,08  |
| 009 | 13:45:10 | 83,09  | 064 | 13:49:45 | 94,89  | 119 | 13:54:20 | 97,27  | 174 | 13:58:55 | 93,68  | 229 | 14:03:30 | 96,74  |
| 010 | 13:45:15 | 87,33  | 065 | 13:49:50 | 94,96  | 120 | 13:54:25 | 95,64  | 175 | 13:59:00 | 96,31  | 230 | 14:03:35 | 94,86  |
| 011 | 13:45:20 | 88,32  | 066 | 13:49:55 | 95,42  | 121 | 13:54:30 | 95,58  | 176 | 13:59:05 | 96,51  | 231 | 14:03:40 | 95,06  |
| 012 | 13:45:25 | 90,07  | 067 | 13:50:00 | 95,24  | 122 | 13:54:35 | 94,94  | 177 | 13:59:10 | 109,47 | 232 | 14:03:45 | 94,95  |
| 013 | 13:45:30 | 90,30  | 068 | 13:50:05 | 94,97  | 123 | 13:54:40 | 95,42  | 178 | 13:59:15 | 113,83 | 233 | 14:03:50 | 94,51  |
| 014 | 13:45:35 | 90,03  | 069 | 13:50:10 | 94,96  | 124 | 13:54:45 | 95,54  | 179 | 13:59:20 | 113,96 | 234 | 14:03:55 | 95,80  |
| 015 | 13:45:40 | 90,41  | 070 | 13:50:15 | 95,40  | 125 | 13:54:50 | 95,46  | 180 | 13:59:25 | 113,53 | 235 | 14:04:00 | 95,18  |
| 016 | 13:45:45 | 92,12  | 071 | 13:50:20 | 94,99  | 126 | 13:54:55 | 95,49  | 181 | 13:59:30 | 112,81 | 236 | 14:04:05 | 97,22  |
| 017 | 13:45:50 | 96,17  | 072 | 13:50:25 | 95,52  | 127 | 13:55:00 | 95,49  | 182 | 13:59:35 | 110,32 | 237 | 14:04:10 | 96,45  |
| 018 | 13:45:55 | 96,90  | 073 | 13:50:30 | 95,88  | 128 | 13:55:05 | 95,02  | 183 | 13:59:40 | 107,88 | 238 | 14:04:15 | 94,73  |
| 019 | 13:46:00 | 98,34  | 074 | 13:50:35 | 96,42  | 129 | 13:55:10 | 94,87  | 184 | 13:59:45 | 99,75  | 239 | 14:04:20 | 95,48  |
| 020 | 13:46:05 | 98,94  | 075 | 13:50:40 | 94,63  | 130 | 13:55:15 | 94,70  | 185 | 13:59:50 | 96,80  | 240 | 14:04:25 | 94,88  |
| 021 | 13:46:10 | 99,42  | 076 | 13:50:45 | 94,39  | 131 | 13:55:20 | 94,91  | 186 | 13:59:55 | 97,66  | 241 | 14:04:30 | 96,03  |
| 022 | 13:46:15 | 99,37  | 077 | 13:50:50 | 94,44  | 132 | 13:55:25 | 95,74  | 187 | 14:00:00 | 95,70  | 242 | 14:04:35 | 96,29  |
| 023 | 13:46:20 | 98,61  | 078 | 13:50:55 | 94,90  | 133 | 13:55:30 | 96,21  | 188 | 14:00:05 | 95,38  | 243 | 14:04:40 | 96,36  |
| 024 | 13:46:25 | 98,30  | 079 | 13:51:00 | 94,58  | 134 | 13:55:35 | 95,00  | 189 | 14:00:10 | 94,61  | 244 | 14:04:45 | 95,83  |
| 025 | 13:46:30 | 98,46  | 080 | 13:51:05 | 95,05  | 135 | 13:55:40 | 97,06  | 190 | 14:00:15 | 94,65  | 245 | 14:04:50 | 96,01  |
| 026 | 13:46:35 | 98,89  | 081 | 13:51:10 | 94,75  | 136 | 13:55:45 | 99,32  | 191 | 14:00:20 | 94,04  | 246 | 14:04:55 | 94,54  |
| 027 | 13:46:40 | 98,71  | 082 | 13:51:15 | 95,21  | 137 | 13:55:50 | 98,34  | 192 | 14:00:25 | 94,02  | 247 | 14:05:00 | 95,31  |
| 028 | 13:46:45 | 98,18  | 083 | 13:51:20 | 95,19  | 138 | 13:55:55 | 97,89  | 193 | 14:00:30 | 93,80  | 248 | 14:05:05 | 95,32  |
| 029 | 13:46:50 | 98,89  | 084 | 13:51:25 | 95,06  | 139 | 13:56:00 | 95,89  | 194 | 14:00:35 | 95,37  | 249 | 14:05:10 | 95,49  |
| 030 | 13:46:55 | 99,35  | 085 | 13:51:30 | 95,37  | 140 | 13:56:05 | 97,05  | 195 | 14:00:40 | 97,32  | 250 | 14:05:15 | 95,57  |
| 031 | 13:47:00 | 101,00 | 086 | 13:51:35 | 97,43  | 141 | 13:56:10 | 96,84  | 196 | 14:00:45 | 97,31  | 251 | 14:05:20 | 95,40  |
| 032 | 13:47:05 | 99,05  | 087 | 13:51:40 | 95,03  | 142 | 13:56:15 | 95,27  | 197 | 14:00:50 | 96,71  | 252 | 14:05:25 | 94,86  |
| 033 | 13:47:10 | 98,03  | 088 | 13:51:45 | 95,12  | 143 | 13:56:20 | 95,69  | 198 | 14:00:55 | 97,77  | 253 | 14:05:30 | 94,85  |
| 034 | 13:47:15 | 96,97  | 089 | 13:51:50 | 96,22  | 144 | 13:56:25 | 97,22  | 199 | 14:01:00 | 96,86  | 254 | 14:05:35 | 95,03  |
| 035 | 13:47:20 | 97,52  | 090 | 13:51:55 | 94,93  | 145 | 13:56:30 | 97,77  | 200 | 14:01:05 | 97,32  | 255 | 14:05:40 | 95,71  |
| 036 | 13:47:25 | 98,22  | 091 | 13:52:00 | 96,24  | 146 | 13:56:35 | 97,14  | 201 | 14:01:10 | 96,62  | 256 | 14:05:45 | 95,57  |
| 037 | 13:47:30 | 97,55  | 092 | 13:52:05 | 96,06  | 147 | 13:56:40 | 97,59  | 202 | 14:01:15 | 96,14  | 257 | 14:05:50 | 95,95  |
| 038 | 13:47:35 | 97,20  | 093 | 13:52:10 | 97,24  | 148 | 13:56:45 | 97,68  | 203 | 14:01:20 | 97,82  | 258 | 14:05:55 | 95,42  |
| 039 | 13:47:40 | 96,85  | 094 | 13:52:15 | 96,52  | 149 | 13:56:50 | 97,43  | 204 | 14:01:25 | 96,19  | 259 | 14:06:00 | 95,41  |
| 040 | 13:47:45 | 96,02  | 095 | 13:52:20 | 95,75  | 150 | 13:56:55 | 98,41  | 205 | 14:01:30 | 92,77  | 260 | 14:06:05 | 95,11  |
| 041 | 13:47:50 | 95,87  | 096 | 13:52:25 | 94,81  | 151 | 13:57:00 | 97,13  | 206 | 14:01:35 | 92,24  | 261 | 14:06:10 | 95,87  |
| 042 | 13:47:55 | 95,63  | 097 | 13:52:30 | 95,84  | 152 | 13:57:05 | 96,79  | 207 | 14:01:40 | 92,74  | 262 | 14:06:15 | 95,32  |
| 043 | 13:48:00 | 94,58  | 098 | 13:52:35 | 96,19  | 153 | 13:57:10 | 96,87  | 208 | 14:01:45 | 93,47  | 263 | 14:06:20 | 95,18  |
| 044 | 13:48:05 | 93,82  | 099 | 13:52:40 | 95,39  | 154 | 13:57:15 | 96,10  | 209 | 14:01:50 | 95,36  | 264 | 14:06:25 | 94,60  |
| 045 | 13:48:10 | 94,26  | 100 | 13:52:45 | 95,79  | 155 | 13:57:20 | 97,05  | 210 | 14:01:55 | 95,77  | 265 | 14:06:30 | 94,61  |
| 046 | 13:48:15 | 95,25  | 101 | 13:52:50 | 95,56  | 156 | 13:57:25 | 96,77  | 211 | 14:02:00 | 96,03  | 266 | 14:06:35 | 95,15  |
| 047 | 13:48:20 | 96,20  | 102 | 13:52:55 | 95,03  | 157 | 13:57:30 | 97,22  | 212 | 14:02:05 | 95,97  | 267 | 14:06:40 | 95,22  |
| 048 | 13:48:25 | 98,44  | 103 | 13:53:00 | 94,77  | 158 | 13:57:35 | 97,53  | 213 | 14:02:10 | 95,84  | 268 | 14:06:45 | 95,19  |
| 049 | 13:48:30 | 97,45  | 104 | 13:53:05 | 95,06  | 159 | 13:57:40 | 96,76  | 214 | 14:02:15 | 95,22  | 269 | 14:06:50 | 94,71  |
| 050 | 13:48:35 | 95,64  | 105 | 13:53:10 | 95,72  | 160 | 13:57:45 | 96,82  | 215 | 14:02:20 | 95,70  | 270 | 14:06:55 | 94,31  |
| 051 | 13:48:40 | 95,59  | 106 | 13:53:15 | 95,68  | 161 | 13:57:50 | 95,82  | 216 | 14:02:25 | 95,81  | 271 | 14:07:00 | 94,55  |
| 052 | 13:48:45 | 95,32  | 107 | 13:53:20 | 96,42  | 162 | 13:57:55 | 95,61  | 217 | 14:02:30 | 95,57  | 272 | 14:07:05 | 94,88  |
| 053 | 13:48:50 | 94,94  | 108 | 13:53:25 | 95,58  | 163 | 13:58:00 | 96,16  | 218 | 14:02:35 | 95,42  | 273 | 14:07:10 | 94,72  |
| 054 | 13:48:55 | 95,30  | 109 | 13:53:30 | 95,28  | 164 | 13:58:05 | 97,12  | 219 | 14:02:40 | 95,64  | 274 | 14:07:15 | 94,06  |
| 055 | 13:49:00 | 94,95  | 110 | 13:53:35 | 95,30  | 165 | 13:58:10 | 97,02  | 220 | 14:02:45 | 96,81  | 275 | 14:07:20 | 92,89  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 14:07:25 | 94,32  | 331 | 14:12:00 | 93,85  | 386 | 14:16:35 | 79,90  | 441 | 14:21:10 | 93,00  | 496 | 14:25:45 | 94,46  |
| 277 | 14:07:30 | 95,52  | 332 | 14:12:05 | 95,91  | 387 | 14:16:40 | 86,36  | 442 | 14:21:15 | 93,02  | 497 | 14:25:50 | 95,03  |
| 278 | 14:07:35 | 94,98  | 333 | 14:12:10 | 95,14  | 388 | 14:16:45 | 92,26  | 443 | 14:21:20 | 92,64  | 498 | 14:25:55 | 95,23  |
| 279 | 14:07:40 | 95,16  | 334 | 14:12:15 | 96,54  | 389 | 14:16:50 | 94,93  | 444 | 14:21:25 | 93,00  | 499 | 14:26:00 | 95,24  |
| 280 | 14:07:45 | 94,21  | 335 | 14:12:20 | 96,95  | 390 | 14:16:55 | 93,47  | 445 | 14:21:30 | 93,34  | 500 | 14:26:05 | 96,14  |
| 281 | 14:07:50 | 94,73  | 336 | 14:12:25 | 95,07  | 391 | 14:17:00 | 93,52  | 446 | 14:21:35 | 93,15  | 501 | 14:26:10 | 95,83  |
| 282 | 14:07:55 | 94,76  | 337 | 14:12:30 | 93,80  | 392 | 14:17:05 | 95,58  | 447 | 14:21:40 | 93,11  | 502 | 14:26:15 | 95,36  |
| 283 | 14:08:00 | 94,69  | 338 | 14:12:35 | 94,38  | 393 | 14:17:10 | 96,08  | 448 | 14:21:45 | 93,26  | 503 | 14:26:20 | 94,82  |
| 284 | 14:08:05 | 93,90  | 339 | 14:12:40 | 93,16  | 394 | 14:17:15 | 95,21  | 449 | 14:21:50 | 93,14  | 504 | 14:26:25 | 94,82  |
| 285 | 14:08:10 | 94,14  | 340 | 14:12:45 | 93,17  | 395 | 14:17:20 | 94,58  | 450 | 14:21:55 | 93,15  | 505 | 14:26:30 | 93,57  |
| 286 | 14:08:15 | 95,17  | 341 | 14:12:50 | 93,38  | 396 | 14:17:25 | 94,71  | 451 | 14:22:00 | 93,22  | 506 | 14:26:35 | 94,81  |
| 287 | 14:08:20 | 94,79  | 342 | 14:12:55 | 94,28  | 397 | 14:17:30 | 94,72  | 452 | 14:22:05 | 93,20  | 507 | 14:26:40 | 92,93  |
| 288 | 14:08:25 | 93,91  | 343 | 14:13:00 | 94,01  | 398 | 14:17:35 | 93,71  | 453 | 14:22:10 | 93,15  | 508 | 14:26:45 | 93,61  |
| 289 | 14:08:30 | 94,95  | 344 | 14:13:05 | 93,57  | 399 | 14:17:40 | 93,85  | 454 | 14:22:15 | 93,11  | 509 | 14:26:50 | 95,18  |
| 290 | 14:08:35 | 95,93  | 345 | 14:13:10 | 94,04  | 400 | 14:17:45 | 93,92  | 455 | 14:22:20 | 93,09  | 510 | 14:26:55 | 94,99  |
| 291 | 14:08:40 | 94,78  | 346 | 14:13:15 | 92,90  | 401 | 14:17:50 | 93,62  | 456 | 14:22:25 | 93,58  | 511 | 14:27:00 | 94,27  |
| 292 | 14:08:45 | 94,70  | 347 | 14:13:20 | 83,16  | 402 | 14:17:55 | 93,99  | 457 | 14:22:30 | 92,97  | 512 | 14:27:05 | 93,96  |
| 293 | 14:08:50 | 95,24  | 348 | 14:13:25 | 77,49  | 403 | 14:18:00 | 94,46  | 458 | 14:22:35 | 93,02  | 513 | 14:27:10 | 93,36  |
| 294 | 14:08:55 | 96,60  | 349 | 14:13:30 | 75,37  | 404 | 14:18:05 | 94,02  | 459 | 14:22:40 | 93,26  | 514 | 14:27:15 | 93,29  |
| 295 | 14:09:00 | 97,01  | 350 | 14:13:35 | 74,94  | 405 | 14:18:10 | 94,34  | 460 | 14:22:45 | 94,17  | 515 | 14:27:20 | 95,54  |
| 296 | 14:09:05 | 94,83  | 351 | 14:13:40 | 75,40  | 406 | 14:18:15 | 93,55  | 461 | 14:22:50 | 93,82  | 516 | 14:27:25 | 96,27  |
| 297 | 14:09:10 | 96,36  | 352 | 14:13:45 | 76,67  | 407 | 14:18:20 | 93,14  | 462 | 14:22:55 | 93,31  | 517 | 14:27:30 | 95,85  |
| 298 | 14:09:15 | 97,30  | 353 | 14:13:50 | 79,76  | 408 | 14:18:25 | 93,45  | 463 | 14:23:00 | 92,87  | 518 | 14:27:35 | 95,55  |
| 299 | 14:09:20 | 94,68  | 354 | 14:13:55 | 79,77  | 409 | 14:18:30 | 94,16  | 464 | 14:23:05 | 93,56  | 519 | 14:27:40 | 96,21  |
| 300 | 14:09:25 | 94,52  | 355 | 14:14:00 | 80,09  | 410 | 14:18:35 | 93,31  | 465 | 14:23:10 | 93,23  | 520 | 14:27:45 | 95,90  |
| 301 | 14:09:30 | 95,01  | 356 | 14:14:05 | 81,30  | 411 | 14:18:40 | 93,15  | 466 | 14:23:15 | 93,23  | 521 | 14:27:50 | 94,86  |
| 302 | 14:09:35 | 94,69  | 357 | 14:14:10 | 75,94  | 412 | 14:18:45 | 93,61  | 467 | 14:23:20 | 93,87  | 522 | 14:27:55 | 95,73  |
| 303 | 14:09:40 | 93,49  | 358 | 14:14:15 | 75,22  | 413 | 14:18:50 | 93,35  | 468 | 14:23:25 | 95,43  | 523 | 14:28:00 | 95,69  |
| 304 | 14:09:45 | 95,19  | 359 | 14:14:20 | 75,50  | 414 | 14:18:55 | 93,02  | 469 | 14:23:30 | 94,32  | 524 | 14:28:05 | 95,17  |
| 305 | 14:09:50 | 95,30  | 360 | 14:14:25 | 75,56  | 415 | 14:19:00 | 92,62  | 470 | 14:23:35 | 92,63  | 525 | 14:28:10 | 95,37  |
| 306 | 14:09:55 | 94,92  | 361 | 14:14:30 | 75,22  | 416 | 14:19:05 | 93,19  | 471 | 14:23:40 | 89,12  | 526 | 14:28:15 | 95,77  |
| 307 | 14:10:00 | 94,99  | 362 | 14:14:35 | 72,54  | 417 | 14:19:10 | 93,39  | 472 | 14:23:45 | 89,21  | 527 | 14:28:20 | 95,90  |
| 308 | 14:10:05 | 95,31  | 363 | 14:14:40 | 71,26  | 418 | 14:19:15 | 93,55  | 473 | 14:23:50 | 88,40  | 528 | 14:28:25 | 95,01  |
| 309 | 14:10:10 | 96,02  | 364 | 14:14:45 | 74,87  | 419 | 14:19:20 | 93,03  | 474 | 14:23:55 | 91,86  | 529 | 14:28:30 | 94,40  |
| 310 | 14:10:15 | 94,85  | 365 | 14:14:50 | 74,57  | 420 | 14:19:25 | 93,47  | 475 | 14:24:00 | 82,17  | 530 | 14:28:35 | 94,26  |
| 311 | 14:10:20 | 95,60  | 366 | 14:14:55 | 75,13  | 421 | 14:19:30 | 94,95  | 476 | 14:24:05 | 85,17  | 531 | 14:28:40 | 94,48  |
| 312 | 14:10:25 | 94,57  | 367 | 14:15:00 | 72,96  | 422 | 14:19:35 | 93,88  | 477 | 14:24:10 | 83,29  | 532 | 14:28:45 | 93,57  |
| 313 | 14:10:30 | 94,21  | 368 | 14:15:05 | 72,04  | 423 | 14:19:40 | 93,61  | 478 | 14:24:15 | 90,61  | 533 | 14:28:50 | 93,90  |
| 314 | 14:10:35 | 94,54  | 369 | 14:15:10 | 68,44  | 424 | 14:19:45 | 93,56  | 479 | 14:24:20 | 89,25  | 534 | 14:28:55 | 93,83  |
| 315 | 14:10:40 | 94,58  | 370 | 14:15:15 | 69,74  | 425 | 14:19:50 | 93,98  | 480 | 14:24:25 | 89,19  | 535 | 14:29:00 | 93,72  |
| 316 | 14:10:45 | 94,73  | 371 | 14:15:20 | 69,13  | 426 | 14:19:55 | 93,82  | 481 | 14:24:30 | 89,05  | 536 | 14:29:05 | 93,53  |
| 317 | 14:10:50 | 95,17  | 372 | 14:15:25 | 66,24  | 427 | 14:20:00 | 93,31  | 482 | 14:24:35 | 88,32  | 537 | 14:29:10 | 93,07  |
| 318 | 14:10:55 | 94,74  | 373 | 14:15:30 | 69,93  | 428 | 14:20:05 | 93,58  | 483 | 14:24:40 | 90,56  | 538 | 14:29:15 | 88,94  |
| 319 | 14:11:00 | 94,20  | 374 | 14:15:35 | 71,26  | 429 | 14:20:10 | 93,47  | 484 | 14:24:45 | 78,91  | 539 | 14:29:20 | 85,92  |
| 320 | 14:11:05 | 94,91  | 375 | 14:15:40 | 71,66  | 430 | 14:20:15 | 94,12  | 485 | 14:24:50 | 85,46  | 540 | 14:29:25 | 86,97  |
| 321 | 14:11:10 | 94,08  | 376 | 14:15:45 | 73,89  | 431 | 14:20:20 | 93,41  | 486 | 14:24:55 | 94,64  | 541 | 14:29:30 | 79,86  |
| 322 | 14:11:15 | 94,22  | 377 | 14:15:50 | 78,16  | 432 | 14:20:25 | 93,19  | 487 | 14:25:00 | 94,70  | 542 | 14:29:35 | 79,63  |
| 323 | 14:11:20 | 94,93  | 378 | 14:15:55 | 72,38  | 433 | 14:20:30 | 92,84  | 488 | 14:25:05 | 95,38  | 543 | 14:29:40 | 78,04  |
| 324 | 14:11:25 | 94,06  | 379 | 14:16:00 | 71,04  | 434 | 14:20:35 | 93,10  | 489 | 14:25:10 | 94,95  | 544 | 14:29:45 | 73,14  |
| 325 | 14:11:30 | 95,00  | 380 | 14:16:05 | 69,95  | 435 | 14:20:40 | 93,43  | 490 | 14:25:15 | 94,41  | 545 | 14:29:50 | 74,50  |
| 326 | 14:11:35 | 94,74  | 381 | 14:16:10 | 72,45  | 436 | 14:20:45 | 93,62  | 491 | 14:25:20 | 95,19  | 546 | 14:29:55 | 79,96  |
| 327 | 14:11:40 | 94,08  | 382 | 14:16:15 | 73,43  | 437 | 14:20:50 | 93,45  | 492 | 14:25:25 | 95,18  | 547 | 14:30:00 | 77,29  |
| 328 | 14:11:45 | 93,62  | 383 | 14:16:20 | 87,91  | 438 | 14:20:55 | 92,79  | 493 | 14:25:30 | 94,09  | 548 | 14:30:05 | 69,28  |
| 329 | 14:11:50 | 95,52  | 384 | 14:16:25 | 81,69  | 439 | 14:21:00 | 93,55  | 494 | 14:25:35 | 94,63  | 549 | 14:30:10 | 78,81  |
| 330 | 14:11:55 | 94,49  | 385 | 14:16:30 | 73,27  | 440 | 14:21:05 | 93,38  | 495 | 14:25:40 | 94,76  | 550 | 14:30:15 | 76,47  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 14:30:20 | 76,10  | 606 | 14:34:55 | 94,97  | 661 | 14:39:30 | 96,13  | 716 | 14:44:05 | 95,07  | 771 | 14:48:40 | 95,60  |
| 552 | 14:30:25 | 81,89  | 607 | 14:35:00 | 94,63  | 662 | 14:39:35 | 95,71  | 717 | 14:44:10 | 95,18  | 772 | 14:48:45 | 95,67  |
| 553 | 14:30:30 | 81,47  | 608 | 14:35:05 | 94,13  | 663 | 14:39:40 | 95,18  | 718 | 14:44:15 | 95,59  | 773 | 14:48:50 | 96,12  |
| 554 | 14:30:35 | 78,54  | 609 | 14:35:10 | 93,93  | 664 | 14:39:45 | 96,44  | 719 | 14:44:20 | 95,43  | 774 | 14:48:55 | 95,56  |
| 555 | 14:30:40 | 83,86  | 610 | 14:35:15 | 94,20  | 665 | 14:39:50 | 96,03  | 720 | 14:44:25 | 94,82  | 775 | 14:49:00 | 95,75  |
| 556 | 14:30:45 | 84,82  | 611 | 14:35:20 | 94,23  | 666 | 14:39:55 | 96,14  | 721 | 14:44:30 | 95,16  | 776 | 14:49:05 | 95,92  |
| 557 | 14:30:50 | 84,52  | 612 | 14:35:25 | 93,88  | 667 | 14:40:00 | 96,04  | 722 | 14:44:35 | 95,37  | 777 | 14:49:10 | 96,00  |
| 558 | 14:30:55 | 79,09  | 613 | 14:35:30 | 93,24  | 668 | 14:40:05 | 96,04  | 723 | 14:44:40 | 95,40  | 778 | 14:49:15 | 95,89  |
| 559 | 14:31:00 | 81,08  | 614 | 14:35:35 | 94,73  | 669 | 14:40:10 | 97,77  | 724 | 14:44:45 | 94,88  | 779 | 14:49:20 | 95,57  |
| 560 | 14:31:05 | 79,86  | 615 | 14:35:40 | 96,09  | 670 | 14:40:15 | 96,75  | 725 | 14:44:50 | 95,65  | 780 | 14:49:25 | 95,62  |
| 561 | 14:31:10 | 78,24  | 616 | 14:35:45 | 95,94  | 671 | 14:40:20 | 95,36  | 726 | 14:44:55 | 95,68  | 781 | 14:49:30 | 96,71  |
| 562 | 14:31:15 | 79,01  | 617 | 14:35:50 | 96,09  | 672 | 14:40:25 | 95,44  | 727 | 14:45:00 | 95,46  | 782 | 14:49:35 | 96,81  |
| 563 | 14:31:20 | 81,73  | 618 | 14:35:55 | 96,73  | 673 | 14:40:30 | 95,79  | 728 | 14:45:05 | 95,49  | 783 | 14:49:40 | 96,20  |
| 564 | 14:31:25 | 74,79  | 619 | 14:36:00 | 95,90  | 674 | 14:40:35 | 96,18  | 729 | 14:45:10 | 95,75  | 784 | 14:49:45 | 95,77  |
| 565 | 14:31:30 | 77,35  | 620 | 14:36:05 | 96,49  | 675 | 14:40:40 | 95,62  | 730 | 14:45:15 | 95,78  | 785 | 14:49:50 | 96,00  |
| 566 | 14:31:35 | 87,92  | 621 | 14:36:10 | 96,19  | 676 | 14:40:45 | 96,47  | 731 | 14:45:20 | 95,70  | 786 | 14:49:55 | 96,20  |
| 567 | 14:31:40 | 85,37  | 622 | 14:36:15 | 96,75  | 677 | 14:40:50 | 97,03  | 732 | 14:45:25 | 95,35  | 787 | 14:50:00 | 96,14  |
| 568 | 14:31:45 | 70,23  | 623 | 14:36:20 | 96,21  | 678 | 14:40:55 | 97,01  | 733 | 14:45:30 | 95,78  | 788 | 14:50:05 | 95,33  |
| 569 | 14:31:50 | 82,78  | 624 | 14:36:25 | 94,61  | 679 | 14:41:00 | 96,57  | 734 | 14:45:35 | 96,32  | 789 | 14:50:10 | 95,28  |
| 570 | 14:31:55 | 88,03  | 625 | 14:36:30 | 94,23  | 680 | 14:41:05 | 95,44  | 735 | 14:45:40 | 96,57  | 790 | 14:50:15 | 95,22  |
| 571 | 14:32:00 | 82,04  | 626 | 14:36:35 | 94,20  | 681 | 14:41:10 | 95,35  | 736 | 14:45:45 | 95,80  | 791 | 14:50:20 | 94,70  |
| 572 | 14:32:05 | 86,71  | 627 | 14:36:40 | 94,91  | 682 | 14:41:15 | 96,92  | 737 | 14:45:50 | 96,12  | 792 | 14:50:25 | 94,91  |
| 573 | 14:32:10 | 91,78  | 628 | 14:36:45 | 94,36  | 683 | 14:41:20 | 96,67  | 738 | 14:45:55 | 96,23  | 793 | 14:50:30 | 94,63  |
| 574 | 14:32:15 | 95,75  | 629 | 14:36:50 | 94,69  | 684 | 14:41:25 | 95,43  | 739 | 14:46:00 | 95,49  | 794 | 14:50:35 | 95,35  |
| 575 | 14:32:20 | 95,93  | 630 | 14:36:55 | 94,65  | 685 | 14:41:30 | 94,78  | 740 | 14:46:05 | 95,68  | 795 | 14:50:40 | 95,40  |
| 576 | 14:32:25 | 96,55  | 631 | 14:37:00 | 94,65  | 686 | 14:41:35 | 94,89  | 741 | 14:46:10 | 94,82  | 796 | 14:50:45 | 95,66  |
| 577 | 14:32:30 | 95,97  | 632 | 14:37:05 | 94,49  | 687 | 14:41:40 | 96,13  | 742 | 14:46:15 | 95,36  | 797 | 14:50:50 | 95,33  |
| 578 | 14:32:35 | 95,49  | 633 | 14:37:10 | 94,57  | 688 | 14:41:45 | 96,56  | 743 | 14:46:20 | 95,79  | 798 | 14:50:55 | 95,89  |
| 579 | 14:32:40 | 95,20  | 634 | 14:37:15 | 95,21  | 689 | 14:41:50 | 96,96  | 744 | 14:46:25 | 96,62  | 799 | 14:51:00 | 96,05  |
| 580 | 14:32:45 | 95,27  | 635 | 14:37:20 | 96,14  | 690 | 14:41:55 | 95,67  | 745 | 14:46:30 | 94,59  | 800 | 14:51:05 | 95,83  |
| 581 | 14:32:50 | 95,44  | 636 | 14:37:25 | 95,79  | 691 | 14:42:00 | 95,43  | 746 | 14:46:35 | 94,76  | 801 | 14:51:10 | 95,53  |
| 582 | 14:32:55 | 95,53  | 637 | 14:37:30 | 95,65  | 692 | 14:42:05 | 95,50  | 747 | 14:46:40 | 95,39  | 802 | 14:51:15 | 95,70  |
| 583 | 14:33:00 | 95,15  | 638 | 14:37:35 | 95,31  | 693 | 14:42:10 | 94,74  | 748 | 14:46:45 | 95,35  | 803 | 14:51:20 | 95,42  |
| 584 | 14:33:05 | 94,45  | 639 | 14:37:40 | 95,85  | 694 | 14:42:15 | 97,85  | 749 | 14:46:50 | 95,45  | 804 | 14:51:25 | 95,32  |
| 585 | 14:33:10 | 94,84  | 640 | 14:37:45 | 95,95  | 695 | 14:42:20 | 96,00  | 750 | 14:46:55 | 95,11  | 805 | 14:51:30 | 95,47  |
| 586 | 14:33:15 | 94,07  | 641 | 14:37:50 | 96,46  | 696 | 14:42:25 | 96,86  | 751 | 14:47:00 | 95,37  | 806 | 14:51:35 | 95,22  |
| 587 | 14:33:20 | 94,44  | 642 | 14:37:55 | 95,92  | 697 | 14:42:30 | 95,54  | 752 | 14:47:05 | 96,29  | 807 | 14:51:40 | 95,43  |
| 588 | 14:33:25 | 94,30  | 643 | 14:38:00 | 95,46  | 698 | 14:42:35 | 94,59  | 753 | 14:47:10 | 95,77  | 808 | 14:51:45 | 95,44  |
| 589 | 14:33:30 | 93,84  | 644 | 14:38:05 | 96,00  | 699 | 14:42:40 | 95,46  | 754 | 14:47:15 | 95,60  | 809 | 14:51:50 | 95,51  |
| 590 | 14:33:35 | 93,63  | 645 | 14:38:10 | 96,21  | 700 | 14:42:45 | 95,32  | 755 | 14:47:20 | 95,56  | 810 | 14:51:55 | 95,69  |
| 591 | 14:33:40 | 95,22  | 646 | 14:38:15 | 96,08  | 701 | 14:42:50 | 95,07  | 756 | 14:47:25 | 95,50  | 811 | 14:52:00 | 95,47  |
| 592 | 14:33:45 | 95,71  | 647 | 14:38:20 | 96,06  | 702 | 14:42:55 | 94,78  | 757 | 14:47:30 | 97,52  | 812 | 14:52:05 | 95,54  |
| 593 | 14:33:50 | 95,12  | 648 | 14:38:25 | 95,53  | 703 | 14:43:00 | 95,00  | 758 | 14:47:35 | 96,53  | 813 | 14:52:10 | 95,74  |
| 594 | 14:33:55 | 95,42  | 649 | 14:38:30 | 96,10  | 704 | 14:43:05 | 94,85  | 759 | 14:47:40 | 96,55  | 814 | 14:52:15 | 95,47  |
| 595 | 14:34:00 | 95,17  | 650 | 14:38:35 | 96,33  | 705 | 14:43:10 | 94,91  | 760 | 14:47:45 | 96,44  | 815 | 14:52:20 | 95,66  |
| 596 | 14:34:05 | 95,20  | 651 | 14:38:40 | 95,79  | 706 | 14:43:15 | 94,11  | 761 | 14:47:50 | 96,41  | 816 | 14:52:25 | 95,93  |
| 597 | 14:34:10 | 94,53  | 652 | 14:38:45 | 94,99  | 707 | 14:43:20 | 94,46  | 762 | 14:47:55 | 95,21  | 817 | 14:52:30 | 95,97  |
| 598 | 14:34:15 | 94,27  | 653 | 14:38:50 | 95,36  | 708 | 14:43:25 | 94,85  | 763 | 14:48:00 | 95,22  | 818 | 14:52:35 | 95,66  |
| 599 | 14:34:20 | 93,91  | 654 | 14:38:55 | 95,87  | 709 | 14:43:30 | 95,76  | 764 | 14:48:05 | 95,29  | 819 | 14:52:40 | 95,87  |
| 600 | 14:34:25 | 94,07  | 655 | 14:39:00 | 96,04  | 710 | 14:43:35 | 94,95  | 765 | 14:48:10 | 95,40  | 820 | 14:52:45 | 95,68  |
| 601 | 14:34:30 | 93,80  | 656 | 14:39:05 | 96,08  | 711 | 14:43:40 | 95,87  | 766 | 14:48:15 | 95,54  | 821 | 14:52:50 | 95,93  |
| 602 | 14:34:35 | 94,10  | 657 | 14:39:10 | 95,57  | 712 | 14:43:45 | 95,80  | 767 | 14:48:20 | 95,40  | 822 | 14:52:55 | 95,52  |
| 603 | 14:34:40 | 93,34  | 658 | 14:39:15 | 96,70  | 713 | 14:43:50 | 96,83  | 768 | 14:48:25 | 95,69  | 823 | 14:53:00 | 95,49  |
| 604 | 14:34:45 | 93,34  | 659 | 14:39:20 | 96,98  | 714 | 14:43:55 | 95,47  | 769 | 14:48:30 | 95,73  | 824 | 14:53:05 | 95,46  |
| 605 | 14:34:50 | 94,59  | 660 | 14:39:25 | 95,68  | 715 | 14:44:00 | 95,64  | 770 | 14:48:35 | 96,17  | 825 | 14:53:10 | 95,44  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 14:53:15 | 95,54  | 881 | 14:57:50 | 93,46  | 936 | 15:02:25 | 80,88  | 991  | 15:07:00 | 78,01  | 1046 | 15:11:35 | 68,90  |
| 827 | 14:53:20 | 95,79  | 882 | 14:57:55 | 93,79  | 937 | 15:02:30 | 78,50  | 992  | 15:07:05 | 83,30  | 1047 | 15:11:40 | 68,10  |
| 828 | 14:53:25 | 95,79  | 883 | 14:58:00 | 94,82  | 938 | 15:02:35 | 75,21  | 993  | 15:07:10 | 79,62  | 1048 | 15:11:45 | 73,80  |
| 829 | 14:53:30 | 95,89  | 884 | 14:58:05 | 96,40  | 939 | 15:02:40 | 71,59  | 994  | 15:07:15 | 78,32  | 1049 | 15:11:50 | 78,43  |
| 830 | 14:53:35 | 95,06  | 885 | 14:58:10 | 97,53  | 940 | 15:02:45 | 77,85  | 995  | 15:07:20 | 74,33  | 1050 | 15:11:55 | 76,76  |
| 831 | 14:53:40 | 95,47  | 886 | 14:58:15 | 97,94  | 941 | 15:02:50 | 86,68  | 996  | 15:07:25 | 71,42  | 1051 | 15:12:00 | 69,57  |
| 832 | 14:53:45 | 95,93  | 887 | 14:58:20 | 95,48  | 942 | 15:02:55 | 83,48  | 997  | 15:07:30 | 72,65  | 1052 | 15:12:05 | 67,12  |
| 833 | 14:53:50 | 95,35  | 888 | 14:58:25 | 95,72  | 943 | 15:03:00 | 79,63  | 998  | 15:07:35 | 74,79  | 1053 | 15:12:10 | 70,72  |
| 834 | 14:53:55 | 95,81  | 889 | 14:58:30 | 96,05  | 944 | 15:03:05 | 75,86  | 999  | 15:07:40 | 75,72  | 1054 | 15:12:15 | 70,42  |
| 835 | 14:54:00 | 95,07  | 890 | 14:58:35 | 96,10  | 945 | 15:03:10 | 72,49  | 1000 | 15:07:45 | 74,08  | 1055 | 15:12:20 | 74,06  |
| 836 | 14:54:05 | 95,71  | 891 | 14:58:40 | 95,11  | 946 | 15:03:15 | 72,52  | 1001 | 15:07:50 | 72,70  | 1056 | 15:12:25 | 71,15  |
| 837 | 14:54:10 | 96,14  | 892 | 14:58:45 | 94,90  | 947 | 15:03:20 | 76,49  | 1002 | 15:07:55 | 73,18  | 1057 | 15:12:30 | 69,19  |
| 838 | 14:54:15 | 96,70  | 893 | 14:58:50 | 95,17  | 948 | 15:03:25 | 74,91  | 1003 | 15:08:00 | 72,74  | 1058 | 15:12:35 | 75,42  |
| 839 | 14:54:20 | 95,69  | 894 | 14:58:55 | 95,84  | 949 | 15:03:30 | 69,86  | 1004 | 15:08:05 | 71,83  | 1059 | 15:12:40 | 71,71  |
| 840 | 14:54:25 | 95,72  | 895 | 14:59:00 | 95,34  | 950 | 15:03:35 | 73,44  | 1005 | 15:08:10 | 77,16  | 1060 | 15:12:45 | 67,77  |
| 841 | 14:54:30 | 95,86  | 896 | 14:59:05 | 95,34  | 951 | 15:03:40 | 71,71  | 1006 | 15:08:15 | 72,62  | 1061 | 15:12:50 | 72,45  |
| 842 | 14:54:35 | 96,07  | 897 | 14:59:10 | 95,11  | 952 | 15:03:45 | 77,66  | 1007 | 15:08:20 | 78,72  | 1062 | 15:12:55 | 68,05  |
| 843 | 14:54:40 | 96,01  | 898 | 14:59:15 | 96,58  | 953 | 15:03:50 | 73,58  | 1008 | 15:08:25 | 75,91  | 1063 | 15:13:00 | 83,47  |
| 844 | 14:54:45 | 96,07  | 899 | 14:59:20 | 95,01  | 954 | 15:03:55 | 83,62  | 1009 | 15:08:30 | 75,26  | 1064 | 15:13:05 | 88,34  |
| 845 | 14:54:50 | 96,50  | 900 | 14:59:25 | 95,23  | 955 | 15:04:00 | 79,16  | 1010 | 15:08:35 | 71,41  | 1065 | 15:13:10 | 83,85  |
| 846 | 14:54:55 | 96,32  | 901 | 14:59:30 | 95,77  | 956 | 15:04:05 | 83,36  | 1011 | 15:08:40 | 72,05  | 1066 | 15:13:15 | 77,76  |
| 847 | 14:55:00 | 97,29  | 902 | 14:59:35 | 95,85  | 957 | 15:04:10 | 86,05  | 1012 | 15:08:45 | 77,91  | 1067 | 15:13:20 | 74,48  |
| 848 | 14:55:05 | 97,97  | 903 | 14:59:40 | 95,30  | 958 | 15:04:15 | 80,80  | 1013 | 15:08:50 | 76,41  | 1068 | 15:13:25 | 74,51  |
| 849 | 14:55:10 | 96,45  | 904 | 14:59:45 | 95,02  | 959 | 15:04:20 | 80,73  | 1014 | 15:08:55 | 73,09  | 1069 | 15:13:30 | 73,80  |
| 850 | 14:55:15 | 97,43  | 905 | 14:59:50 | 95,60  | 960 | 15:04:25 | 80,52  | 1015 | 15:09:00 | 81,80  | 1070 | 15:13:35 | 71,66  |
| 851 | 14:55:20 | 97,59  | 906 | 14:59:55 | 97,53  | 961 | 15:04:30 | 76,05  | 1016 | 15:09:05 | 75,20  | 1071 | 15:13:40 | 76,99  |
| 852 | 14:55:25 | 97,49  | 907 | 15:00:00 | 96,29  | 962 | 15:04:35 | 73,60  | 1017 | 15:09:10 | 71,43  | 1072 | 15:13:45 | 85,36  |
| 853 | 14:55:30 | 98,29  | 908 | 15:00:05 | 95,95  | 963 | 15:04:40 | 79,42  | 1018 | 15:09:15 | 69,81  | 1073 | 15:13:50 | 92,66  |
| 854 | 14:55:35 | 98,80  | 909 | 15:00:10 | 96,93  | 964 | 15:04:45 | 78,49  | 1019 | 15:09:20 | 69,84  | 1074 | 15:13:55 | 93,35  |
| 855 | 14:55:40 | 97,60  | 910 | 15:00:15 | 96,54  | 965 | 15:04:50 | 80,01  | 1020 | 15:09:25 | 68,41  | 1075 | 15:14:00 | 93,68  |
| 856 | 14:55:45 | 97,32  | 911 | 15:00:20 | 96,27  | 966 | 15:04:55 | 84,30  | 1021 | 15:09:30 | 77,57  | 1076 | 15:14:05 | 93,78  |
| 857 | 14:55:50 | 96,39  | 912 | 15:00:25 | 97,01  | 967 | 15:05:00 | 76,40  | 1022 | 15:09:35 | 81,62  | 1077 | 15:14:10 | 94,46  |
| 858 | 14:55:55 | 95,10  | 913 | 15:00:30 | 98,08  | 968 | 15:05:05 | 79,75  | 1023 | 15:09:40 | 78,78  | 1078 | 15:14:15 | 94,33  |
| 859 | 14:56:00 | 94,13  | 914 | 15:00:35 | 97,36  | 969 | 15:05:10 | 85,43  | 1024 | 15:09:45 | 84,99  | 1079 | 15:14:20 | 94,68  |
| 860 | 14:56:05 | 95,35  | 915 | 15:00:40 | 98,44  | 970 | 15:05:15 | 80,55  | 1025 | 15:09:50 | 74,07  | 1080 | 15:14:25 | 95,74  |
| 861 | 14:56:10 | 97,49  | 916 | 15:00:45 | 98,54  | 971 | 15:05:20 | 71,42  | 1026 | 15:09:55 | 73,80  | 1081 | 15:14:30 | 97,04  |
| 862 | 14:56:15 | 97,67  | 917 | 15:00:50 | 97,15  | 972 | 15:05:25 | 85,36  | 1027 | 15:10:00 | 88,32  | 1082 | 15:14:35 | 93,82  |
| 863 | 14:56:20 | 98,55  | 918 | 15:00:55 | 96,47  | 973 | 15:05:30 | 84,21  | 1028 | 15:10:05 | 85,08  | 1083 | 15:14:40 | 83,06  |
| 864 | 14:56:25 | 97,79  | 919 | 15:01:00 | 96,74  | 974 | 15:05:35 | 78,47  | 1029 | 15:10:10 | 83,51  | 1084 | 15:14:45 | 84,80  |
| 865 | 14:56:30 | 96,86  | 920 | 15:01:05 | 97,35  | 975 | 15:05:40 | 80,62  | 1030 | 15:10:15 | 87,30  | 1085 | 15:14:50 | 88,51  |
| 866 | 14:56:35 | 96,25  | 921 | 15:01:10 | 96,39  | 976 | 15:05:45 | 78,75  | 1031 | 15:10:20 | 83,70  | 1086 | 15:14:55 | 83,15  |
| 867 | 14:56:40 | 96,64  | 922 | 15:01:15 | 96,27  | 977 | 15:05:50 | 76,80  | 1032 | 15:10:25 | 82,86  | 1087 | 15:15:00 | 83,81  |
| 868 | 14:56:45 | 94,63  | 923 | 15:01:20 | 96,13  | 978 | 15:05:55 | 71,13  | 1033 | 15:10:30 | 75,67  | 1088 | 15:15:05 | 92,68  |
| 869 | 14:56:50 | 94,79  | 924 | 15:01:25 | 96,50  | 979 | 15:06:00 | 74,56  | 1034 | 15:10:35 | 80,18  | 1089 | 15:15:10 | 81,11  |
| 870 | 14:56:55 | 94,15  | 925 | 15:01:30 | 96,66  | 980 | 15:06:05 | 77,44  | 1035 | 15:10:40 | 78,39  | 1090 | 15:15:15 | 77,55  |
| 871 | 14:57:00 | 93,68  | 926 | 15:01:35 | 95,31  | 981 | 15:06:10 | 77,18  | 1036 | 15:10:45 | 84,20  | 1091 | 15:15:20 | 95,58  |
| 872 | 14:57:05 | 95,93  | 927 | 15:01:40 | 85,71  | 982 | 15:06:15 | 73,49  | 1037 | 15:10:50 | 79,46  | 1092 | 15:15:25 | 96,26  |
| 873 | 14:57:10 | 95,96  | 928 | 15:01:45 | 83,10  | 983 | 15:06:20 | 82,58  | 1038 | 15:10:55 | 82,03  | 1093 | 15:15:30 | 95,57  |
| 874 | 14:57:15 | 97,90  | 929 | 15:01:50 | 85,28  | 984 | 15:06:25 | 79,91  | 1039 | 15:11:00 | 79,10  | 1094 | 15:15:35 | 95,41  |
| 875 | 14:57:20 | 97,38  | 930 | 15:01:55 | 87,80  | 985 | 15:06:30 | 76,52  | 1040 | 15:11:05 | 76,44  | 1095 | 15:15:40 | 95,29  |
| 876 | 14:57:25 | 96,88  | 931 | 15:02:00 | 76,41  | 986 | 15:06:35 | 77,29  | 1041 | 15:11:10 | 78,77  | 1096 | 15:15:45 | 96,21  |
| 877 | 14:57:30 | 95,89  | 932 | 15:02:05 | 84,75  | 987 | 15:06:40 | 78,71  | 1042 | 15:11:15 | 74,12  | 1097 | 15:15:50 | 96,11  |
| 878 | 14:57:35 | 96,00  | 933 | 15:02:10 | 75,43  | 988 | 15:06:45 | 81,60  | 1043 | 15:11:20 | 73,79  | 1098 | 15:15:55 | 96,98  |
| 879 | 14:57:40 | 94,94  | 934 | 15:02:15 | 79,64  | 989 | 15:06:50 | 82,42  | 1044 | 15:11:25 | 75,12  | 1099 | 15:16:00 | 95,51  |
| 880 | 14:57:45 | 93,63  | 935 | 15:02:20 | 72,69  | 990 | 15:06:55 | 81,26  | 1045 | 15:11:30 | 72,37  | 1100 | 15:16:05 | 96,24  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 15:16:10 | 96,92  | 1156 | 15:20:45 | 97,42  | 1211 | 15:25:20 | 96,12  | 1266 | 15:29:55 | 97,02  | 1321 | 15:34:30 | 95,62  |
| 1102 | 15:16:15 | 96,95  | 1157 | 15:20:50 | 95,13  | 1212 | 15:25:25 | 96,16  | 1267 | 15:30:00 | 97,47  | 1322 | 15:34:35 | 94,56  |
| 1103 | 15:16:20 | 97,64  | 1158 | 15:20:55 | 95,79  | 1213 | 15:25:30 | 96,97  | 1268 | 15:30:05 | 96,44  | 1323 | 15:34:40 | 94,31  |
| 1104 | 15:16:25 | 97,42  | 1159 | 15:21:00 | 95,96  | 1214 | 15:25:35 | 96,45  | 1269 | 15:30:10 | 96,46  | 1324 | 15:34:45 | 94,89  |
| 1105 | 15:16:30 | 97,53  | 1160 | 15:21:05 | 95,97  | 1215 | 15:25:40 | 96,19  | 1270 | 15:30:15 | 97,13  | 1325 | 15:34:50 | 95,22  |
| 1106 | 15:16:35 | 100,22 | 1161 | 15:21:10 | 95,99  | 1216 | 15:25:45 | 97,38  | 1271 | 15:30:20 | 96,64  | 1326 | 15:34:55 | 95,10  |
| 1107 | 15:16:40 | 102,50 | 1162 | 15:21:15 | 96,05  | 1217 | 15:25:50 | 95,90  | 1272 | 15:30:25 | 97,76  | 1327 | 15:35:00 | 95,51  |
| 1108 | 15:16:45 | 102,36 | 1163 | 15:21:20 | 96,20  | 1218 | 15:25:55 | 96,87  | 1273 | 15:30:30 | 98,39  | 1328 | 15:35:05 | 95,83  |
| 1109 | 15:16:50 | 101,57 | 1164 | 15:21:25 | 95,90  | 1219 | 15:26:00 | 97,70  | 1274 | 15:30:35 | 96,69  | 1329 | 15:35:10 | 97,96  |
| 1110 | 15:16:55 | 101,45 | 1165 | 15:21:30 | 97,03  | 1220 | 15:26:05 | 96,76  | 1275 | 15:30:40 | 95,07  | 1330 | 15:35:15 | 98,00  |
| 1111 | 15:17:00 | 102,55 | 1166 | 15:21:35 | 98,70  | 1221 | 15:26:10 | 96,00  | 1276 | 15:30:45 | 93,92  | 1331 | 15:35:20 | 97,50  |
| 1112 | 15:17:05 | 102,44 | 1167 | 15:21:40 | 98,52  | 1222 | 15:26:15 | 96,28  | 1277 | 15:30:50 | 94,79  | 1332 | 15:35:25 | 96,65  |
| 1113 | 15:17:10 | 101,22 | 1168 | 15:21:45 | 98,22  | 1223 | 15:26:20 | 96,52  | 1278 | 15:30:55 | 96,08  | 1333 | 15:35:30 | 95,73  |
| 1114 | 15:17:15 | 101,74 | 1169 | 15:21:50 | 95,99  | 1224 | 15:26:25 | 95,27  | 1279 | 15:31:00 | 97,90  | 1334 | 15:35:35 | 95,74  |
| 1115 | 15:17:20 | 102,86 | 1170 | 15:21:55 | 95,79  | 1225 | 15:26:30 | 95,68  | 1280 | 15:31:05 | 97,28  | 1335 | 15:35:40 | 95,82  |
| 1116 | 15:17:25 | 102,38 | 1171 | 15:22:00 | 95,71  | 1226 | 15:26:35 | 97,20  | 1281 | 15:31:10 | 96,87  | 1336 | 15:35:45 | 95,06  |
| 1117 | 15:17:30 | 100,50 | 1172 | 15:22:05 | 96,69  | 1227 | 15:26:40 | 97,53  | 1282 | 15:31:15 | 97,37  | 1337 | 15:35:50 | 94,01  |
| 1118 | 15:17:35 | 100,97 | 1173 | 15:22:10 | 97,34  | 1228 | 15:26:45 | 97,39  | 1283 | 15:31:20 | 97,28  | 1338 | 15:35:55 | 91,81  |
| 1119 | 15:17:40 | 102,28 | 1174 | 15:22:15 | 97,73  | 1229 | 15:26:50 | 96,81  | 1284 | 15:31:25 | 97,87  | 1339 | 15:36:00 | 94,59  |
| 1120 | 15:17:45 | 101,07 | 1175 | 15:22:20 | 97,89  | 1230 | 15:26:55 | 97,41  | 1285 | 15:31:30 | 98,60  | 1340 | 15:36:05 | 95,17  |
| 1121 | 15:17:50 | 100,73 | 1176 | 15:22:25 | 97,10  | 1231 | 15:27:00 | 97,77  | 1286 | 15:31:35 | 99,56  | 1341 | 15:36:10 | 94,98  |
| 1122 | 15:17:55 | 100,21 | 1177 | 15:22:30 | 97,90  | 1232 | 15:27:05 | 97,15  | 1287 | 15:31:40 | 98,55  | 1342 | 15:36:15 | 92,82  |
| 1123 | 15:18:00 | 99,36  | 1178 | 15:22:35 | 99,29  | 1233 | 15:27:10 | 97,17  | 1288 | 15:31:45 | 96,40  | 1343 | 15:36:20 | 91,19  |
| 1124 | 15:18:05 | 98,45  | 1179 | 15:22:40 | 97,72  | 1234 | 15:27:15 | 97,58  | 1289 | 15:31:50 | 95,35  | 1344 | 15:36:25 | 91,66  |
| 1125 | 15:18:10 | 98,80  | 1180 | 15:22:45 | 97,53  | 1235 | 15:27:20 | 98,03  | 1290 | 15:31:55 | 96,02  | 1345 | 15:36:30 | 90,26  |
| 1126 | 15:18:15 | 98,01  | 1181 | 15:22:50 | 97,58  | 1236 | 15:27:25 | 97,76  | 1291 | 15:32:00 | 94,89  | 1346 | 15:36:35 | 89,27  |
| 1127 | 15:18:20 | 98,04  | 1182 | 15:22:55 | 95,71  | 1237 | 15:27:30 | 97,69  | 1292 | 15:32:05 | 95,50  | 1347 | 15:36:40 | 97,05  |
| 1128 | 15:18:25 | 99,27  | 1183 | 15:23:00 | 95,77  | 1238 | 15:27:35 | 95,96  | 1293 | 15:32:10 | 95,26  | 1348 | 15:36:45 | 99,41  |
| 1129 | 15:18:30 | 100,96 | 1184 | 15:23:05 | 96,91  | 1239 | 15:27:40 | 98,68  | 1294 | 15:32:15 | 95,40  | 1349 | 15:36:50 | 99,08  |
| 1130 | 15:18:35 | 100,99 | 1185 | 15:23:10 | 96,88  | 1240 | 15:27:45 | 97,73  | 1295 | 15:32:20 | 95,36  | 1350 | 15:36:55 | 91,16  |
| 1131 | 15:18:40 | 99,58  | 1186 | 15:23:15 | 97,31  | 1241 | 15:27:50 | 102,09 | 1296 | 15:32:25 | 96,51  | 1351 | 15:37:00 | 86,49  |
| 1132 | 15:18:45 | 98,31  | 1187 | 15:23:20 | 97,09  | 1242 | 15:27:55 | 100,47 | 1297 | 15:32:30 | 97,95  | 1352 | 15:37:05 | 92,84  |
| 1133 | 15:18:50 | 98,14  | 1188 | 15:23:25 | 86,04  | 1243 | 15:28:00 | 98,25  | 1298 | 15:32:35 | 97,39  | 1353 | 15:37:10 | 95,65  |
| 1134 | 15:18:55 | 98,57  | 1189 | 15:23:30 | 84,31  | 1244 | 15:28:05 | 89,08  | 1299 | 15:32:40 | 96,50  | 1354 | 15:37:15 | 95,30  |
| 1135 | 15:19:00 | 100,96 | 1190 | 15:23:35 | 80,36  | 1245 | 15:28:10 | 92,33  | 1300 | 15:32:45 | 95,97  | 1355 | 15:37:20 | 95,45  |
| 1136 | 15:19:05 | 100,92 | 1191 | 15:23:40 | 83,94  | 1246 | 15:28:15 | 83,79  | 1301 | 15:32:50 | 95,90  | 1356 | 15:37:25 | 95,54  |
| 1137 | 15:19:10 | 101,32 | 1192 | 15:23:45 | 81,27  | 1247 | 15:28:20 | 80,58  | 1302 | 15:32:55 | 95,89  | 1357 | 15:37:30 | 93,47  |
| 1138 | 15:19:15 | 101,97 | 1193 | 15:23:50 | 77,75  | 1248 | 15:28:25 | 84,36  | 1303 | 15:33:00 | 96,24  | 1358 | 15:37:35 | 92,13  |
| 1139 | 15:19:20 | 100,80 | 1194 | 15:23:55 | 81,34  | 1249 | 15:28:30 | 81,44  | 1304 | 15:33:05 | 96,29  | 1359 | 15:37:40 | 89,57  |
| 1140 | 15:19:25 | 101,08 | 1195 | 15:24:00 | 81,51  | 1250 | 15:28:35 | 85,22  | 1305 | 15:33:10 | 96,70  | 1360 | 15:37:45 | 87,89  |
| 1141 | 15:19:30 | 99,92  | 1196 | 15:24:05 | 82,96  | 1251 | 15:28:40 | 84,26  | 1306 | 15:33:15 | 95,86  | 1361 | 15:37:50 | 89,72  |
| 1142 | 15:19:35 | 99,12  | 1197 | 15:24:10 | 82,24  | 1252 | 15:28:45 | 83,16  | 1307 | 15:33:20 | 95,55  | 1362 | 15:37:55 | 79,65  |
| 1143 | 15:19:40 | 98,81  | 1198 | 15:24:15 | 79,74  | 1253 | 15:28:50 | 83,57  | 1308 | 15:33:25 | 95,23  | 1363 | 15:38:00 | 75,93  |
| 1144 | 15:19:45 | 98,90  | 1199 | 15:24:20 | 82,16  | 1254 | 15:28:55 | 85,20  | 1309 | 15:33:30 | 95,30  | 1364 | 15:38:05 | 74,41  |
| 1145 | 15:19:50 | 98,85  | 1200 | 15:24:25 | 79,24  | 1255 | 15:29:00 | 88,18  | 1310 | 15:33:35 | 95,42  | 1365 | 15:38:10 | 71,79  |
| 1146 | 15:19:55 | 100,28 | 1201 | 15:24:30 | 80,99  | 1256 | 15:29:05 | 89,09  | 1311 | 15:33:40 | 95,76  | 1366 | 15:38:15 | 62,87  |
| 1147 | 15:20:00 | 98,94  | 1202 | 15:24:35 | 82,92  | 1257 | 15:29:10 | 95,33  | 1312 | 15:33:45 | 96,02  | 1367 | 15:38:20 | 82,53  |
| 1148 | 15:20:05 | 99,80  | 1203 | 15:24:40 | 77,46  | 1258 | 15:29:15 | 96,92  | 1313 | 15:33:50 | 96,30  | 1368 | 15:38:25 | 64,90  |
| 1149 | 15:20:10 | 100,48 | 1204 | 15:24:45 | 86,30  | 1259 | 15:29:20 | 97,82  | 1314 | 15:33:55 | 97,56  | 1369 | 15:38:30 | 72,08  |
| 1150 | 15:20:15 | 99,67  | 1205 | 15:24:50 | 87,63  | 1260 | 15:29:25 | 98,37  | 1315 | 15:34:00 | 102,55 | 1370 | 15:38:35 | 66,55  |
| 1151 | 15:20:20 | 98,50  | 1206 | 15:24:55 | 97,17  | 1261 | 15:29:30 | 98,61  | 1316 | 15:34:05 | 99,36  | 1371 | 15:38:40 | 82,10  |
| 1152 | 15:20:25 | 93,76  | 1207 | 15:25:00 | 99,95  | 1262 | 15:29:35 | 99,09  | 1317 | 15:34:10 | 97,40  | 1372 | 15:38:45 | 79,21  |
| 1153 | 15:20:30 | 99,96  | 1208 | 15:25:05 | 96,89  | 1263 | 15:29:40 | 98,03  | 1318 | 15:34:15 | 96,17  | 1373 | 15:38:50 | 76,18  |
| 1154 | 15:20:35 | 105,89 | 1209 | 15:25:10 | 96,50  | 1264 | 15:29:45 | 97,50  | 1319 | 15:34:20 | 96,73  | 1374 | 15:38:55 | 70,71  |
| 1155 | 15:20:40 | 98,61  | 1210 | 15:25:15 | 96,30  | 1265 | 15:29:50 | 97,82  | 1320 | 15:34:25 | 95,99  | 1375 | 15:39:00 | 60,81  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1376 | 15:39:05 | 59,90  | 1431 | 15:43:40 | 76,20  | 1486 | 15:48:15 | 85,33  | 1541 | 15:52:50 | 71,60  | 1596 | 15:57:25 | 74,98  |
| 1377 | 15:39:10 | 62,41  | 1432 | 15:43:45 | 76,08  | 1487 | 15:48:20 | 88,87  | 1542 | 15:52:55 | 72,00  | 1597 | 15:57:30 | 70,43  |
| 1378 | 15:39:15 | 63,19  | 1433 | 15:43:50 | 76,11  | 1488 | 15:48:25 | 82,30  | 1543 | 15:53:00 | 73,84  | 1598 | 15:57:35 | 69,98  |
| 1379 | 15:39:20 | 66,60  | 1434 | 15:43:55 | 75,39  | 1489 | 15:48:30 | 75,99  | 1544 | 15:53:05 | 73,21  | 1599 | 15:57:40 | 69,04  |
| 1380 | 15:39:25 | 71,99  | 1435 | 15:44:00 | 75,35  | 1490 | 15:48:35 | 77,88  | 1545 | 15:53:10 | 74,24  | 1600 | 15:57:45 | 67,19  |
| 1381 | 15:39:30 | 69,75  | 1436 | 15:44:05 | 76,85  | 1491 | 15:48:40 | 78,29  | 1546 | 15:53:15 | 73,37  | 1601 | 15:57:50 | 69,60  |
| 1382 | 15:39:35 | 71,41  | 1437 | 15:44:10 | 75,30  | 1492 | 15:48:45 | 79,09  | 1547 | 15:53:20 | 75,59  | 1602 | 15:57:55 | 64,87  |
| 1383 | 15:39:40 | 73,84  | 1438 | 15:44:15 | 75,22  | 1493 | 15:48:50 | 79,18  | 1548 | 15:53:25 | 77,02  | 1603 | 15:58:00 | 64,46  |
| 1384 | 15:39:45 | 78,36  | 1439 | 15:44:20 | 71,50  | 1494 | 15:48:55 | 78,45  | 1549 | 15:53:30 | 72,32  | 1604 | 15:58:05 | 66,12  |
| 1385 | 15:39:50 | 69,40  | 1440 | 15:44:25 | 71,90  | 1495 | 15:49:00 | 75,60  | 1550 | 15:53:35 | 69,48  | 1605 | 15:58:10 | 65,18  |
| 1386 | 15:39:55 | 67,56  | 1441 | 15:44:30 | 72,09  | 1496 | 15:49:05 | 79,87  | 1551 | 15:53:40 | 68,97  | 1606 | 15:58:15 | 66,18  |
| 1387 | 15:40:00 | 58,66  | 1442 | 15:44:35 | 72,82  | 1497 | 15:49:10 | 85,05  | 1552 | 15:53:45 | 67,67  | 1607 | 15:58:20 | 67,68  |
| 1388 | 15:40:05 | 71,26  | 1443 | 15:44:40 | 70,74  | 1498 | 15:49:15 | 83,67  | 1553 | 15:53:50 | 65,15  | 1608 | 15:58:25 | 73,74  |
| 1389 | 15:40:10 | 74,61  | 1444 | 15:44:45 | 68,79  | 1499 | 15:49:20 | 70,00  | 1554 | 15:53:55 | 65,76  | 1609 | 15:58:30 | 68,97  |
| 1390 | 15:40:15 | 81,24  | 1445 | 15:44:50 | 68,43  | 1500 | 15:49:25 | 63,16  | 1555 | 15:54:00 | 65,43  | 1610 | 15:58:35 | 67,79  |
| 1391 | 15:40:20 | 76,20  | 1446 | 15:44:55 | 68,80  | 1501 | 15:49:30 | 64,05  | 1556 | 15:54:05 | 68,02  | 1611 | 15:58:40 | 66,14  |
| 1392 | 15:40:25 | 68,37  | 1447 | 15:45:00 | 70,81  | 1502 | 15:49:35 | 64,91  | 1557 | 15:54:10 | 72,43  | 1612 | 15:58:45 | 65,04  |
| 1393 | 15:40:30 | 67,67  | 1448 | 15:45:05 | 70,74  | 1503 | 15:49:40 | 64,50  | 1558 | 15:54:15 | 72,43  | 1613 | 15:58:50 | 64,53  |
| 1394 | 15:40:35 | 76,54  | 1449 | 15:45:10 | 69,73  | 1504 | 15:49:45 | 64,96  | 1559 | 15:54:20 | 73,90  | 1614 | 15:58:55 | 65,18  |
| 1395 | 15:40:40 | 82,58  | 1450 | 15:45:15 | 69,56  | 1505 | 15:49:50 | 67,09  | 1560 | 15:54:25 | 70,25  | 1615 | 15:59:00 | 71,96  |
| 1396 | 15:40:45 | 79,69  | 1451 | 15:45:20 | 67,56  | 1506 | 15:49:55 | 67,09  | 1561 | 15:54:30 | 68,68  | 1616 | 15:59:05 | 78,50  |
| 1397 | 15:40:50 | 76,23  | 1452 | 15:45:25 | 70,06  | 1507 | 15:50:00 | 67,25  | 1562 | 15:54:35 | 69,77  | 1617 | 15:59:10 | 71,13  |
| 1398 | 15:40:55 | 78,12  | 1453 | 15:45:30 | 71,17  | 1508 | 15:50:05 | 70,09  | 1563 | 15:54:40 | 70,66  | 1618 | 15:59:15 | 72,46  |
| 1399 | 15:41:00 | 78,93  | 1454 | 15:45:35 | 71,72  | 1509 | 15:50:10 | 75,38  | 1564 | 15:54:45 | 70,59  | 1619 | 15:59:20 | 73,48  |
| 1400 | 15:41:05 | 76,13  | 1455 | 15:45:40 | 72,61  | 1510 | 15:50:15 | 78,10  | 1565 | 15:54:50 | 69,40  | 1620 | 15:59:25 | 72,16  |
| 1401 | 15:41:10 | 84,19  | 1456 | 15:45:45 | 73,04  | 1511 | 15:50:20 | 78,34  | 1566 | 15:54:55 | 69,58  | 1621 | 15:59:30 | 70,34  |
| 1402 | 15:41:15 | 73,50  | 1457 | 15:45:50 | 73,64  | 1512 | 15:50:25 | 77,50  | 1567 | 15:55:00 | 68,84  | 1622 | 15:59:35 | 68,04  |
| 1403 | 15:41:20 | 74,09  | 1458 | 15:45:55 | 73,28  | 1513 | 15:50:30 | 75,17  | 1568 | 15:55:05 | 66,20  | 1623 | 15:59:40 | 70,61  |
| 1404 | 15:41:25 | 69,08  | 1459 | 15:46:00 | 73,51  | 1514 | 15:50:35 | 72,03  | 1569 | 15:55:10 | 65,02  | 1624 | 15:59:45 | 70,93  |
| 1405 | 15:41:30 | 71,72  | 1460 | 15:46:05 | 72,03  | 1515 | 15:50:40 | 69,51  | 1570 | 15:55:15 | 64,62  | 1625 | 15:59:50 | 72,39  |
| 1406 | 15:41:35 | 71,96  | 1461 | 15:46:10 | 73,80  | 1516 | 15:50:45 | 68,03  | 1571 | 15:55:20 | 64,73  | 1626 | 15:59:55 | 75,08  |
| 1407 | 15:41:40 | 75,68  | 1462 | 15:46:15 | 73,77  | 1517 | 15:50:50 | 70,61  | 1572 | 15:55:25 | 63,89  | 1627 | 16:00:00 | 71,47  |
| 1408 | 15:41:45 | 86,95  | 1463 | 15:46:20 | 69,82  | 1518 | 15:50:55 | 71,55  | 1573 | 15:55:30 | 63,70  | 1628 | 16:00:05 | 70,72  |
| 1409 | 15:41:50 | 82,51  | 1464 | 15:46:25 | 69,72  | 1519 | 15:51:00 | 77,28  | 1574 | 15:55:35 | 66,29  | 1629 | 16:00:10 | 71,15  |
| 1410 | 15:41:55 | 77,17  | 1465 | 15:46:30 | 69,89  | 1520 | 15:51:05 | 80,99  | 1575 | 15:55:40 | 72,15  | 1630 | 16:00:15 | 71,11  |
| 1411 | 15:42:00 | 80,62  | 1466 | 15:46:35 | 71,95  | 1521 | 15:51:10 | 78,09  | 1576 | 15:55:45 | 64,62  | 1631 | 16:00:20 | 69,41  |
| 1412 | 15:42:05 | 83,10  | 1467 | 15:46:40 | 73,83  | 1522 | 15:51:15 | 81,06  | 1577 | 15:55:50 | 74,36  | 1632 | 16:00:25 | 72,38  |
| 1413 | 15:42:10 | 82,26  | 1468 | 15:46:45 | 71,61  | 1523 | 15:51:20 | 78,87  | 1578 | 15:55:55 | 78,97  | 1633 | 16:00:30 | 70,56  |
| 1414 | 15:42:15 | 75,60  | 1469 | 15:46:50 | 66,54  | 1524 | 15:51:25 | 73,78  | 1579 | 15:56:00 | 73,57  | 1634 | 16:00:35 | 69,09  |
| 1415 | 15:42:20 | 77,64  | 1470 | 15:46:55 | 67,52  | 1525 | 15:51:30 | 78,92  | 1580 | 15:56:05 | 67,75  | 1635 | 16:00:40 | 70,06  |
| 1416 | 15:42:25 | 69,40  | 1471 | 15:47:00 | 68,61  | 1526 | 15:51:35 | 84,50  | 1581 | 15:56:10 | 69,34  | 1636 | 16:00:45 | 71,18  |
| 1417 | 15:42:30 | 68,07  | 1472 | 15:47:05 | 70,96  | 1527 | 15:51:40 | 84,31  | 1582 | 15:56:15 | 66,50  | 1637 | 16:00:50 | 72,90  |
| 1418 | 15:42:35 | 68,32  | 1473 | 15:47:10 | 63,01  | 1528 | 15:51:45 | 74,22  | 1583 | 15:56:20 | 65,14  | 1638 | 16:00:55 | 72,49  |
| 1419 | 15:42:40 | 69,41  | 1474 | 15:47:15 | 61,26  | 1529 | 15:51:50 | 81,34  | 1584 | 15:56:25 | 64,39  | 1639 | 16:01:00 | 70,73  |
| 1420 | 15:42:45 | 68,67  | 1475 | 15:47:20 | 60,70  | 1530 | 15:51:55 | 86,04  | 1585 | 15:56:30 | 65,08  | 1640 | 16:01:05 | 72,65  |
| 1421 | 15:42:50 | 69,47  | 1476 | 15:47:25 | 58,93  | 1531 | 15:52:00 | 84,46  | 1586 | 15:56:35 | 65,20  | 1641 | 16:01:10 | 69,13  |
| 1422 | 15:42:55 | 75,14  | 1477 | 15:47:30 | 61,51  | 1532 | 15:52:05 | 80,16  | 1587 | 15:56:40 | 66,37  | 1642 | 16:01:15 | 70,32  |
| 1423 | 15:43:00 | 74,60  | 1478 | 15:47:35 | 62,20  | 1533 | 15:52:10 | 78,42  | 1588 | 15:56:45 | 66,61  | 1643 | 16:01:20 | 69,96  |
| 1424 | 15:43:05 | 78,26  | 1479 | 15:47:40 | 63,17  | 1534 | 15:52:15 | 84,86  | 1589 | 15:56:50 | 68,92  | 1644 | 16:01:25 | 71,48  |
| 1425 | 15:43:10 | 80,38  | 1480 | 15:47:45 | 66,13  | 1535 | 15:52:20 | 85,52  | 1590 | 15:56:55 | 73,44  | 1645 | 16:01:30 | 73,12  |
| 1426 | 15:43:15 | 76,89  | 1481 | 15:47:50 | 70,98  | 1536 | 15:52:25 | 75,74  | 1591 | 15:57:00 | 70,78  | 1646 | 16:01:35 | 73,33  |
| 1427 | 15:43:20 | 76,92  | 1482 | 15:47:55 | 69,47  | 1537 | 15:52:30 | 77,75  | 1592 | 15:57:05 | 70,12  | 1647 | 16:01:40 | 76,61  |
| 1428 | 15:43:25 | 77,77  | 1483 | 15:48:00 | 65,41  | 1538 | 15:52:35 | 79,52  | 1593 | 15:57:10 | 71,54  | 1648 | 16:01:45 | 77,36  |
| 1429 | 15:43:30 | 78,45  | 1484 | 15:48:05 | 67,36  | 1539 | 15:52:40 | 77,85  | 1594 | 15:57:15 | 74,92  | 1649 | 16:01:50 | 75,35  |
| 1430 | 15:43:35 | 77,98  | 1485 | 15:48:10 | 71,04  | 1540 | 15:52:45 | 71,81  | 1595 | 15:57:20 | 78,72  | 1650 | 16:01:55 | 73,85  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1651 | 16:02:00 | 71,62  | 1706 | 16:06:35 | 78,13  | 1761 | 16:11:10 | 98,00  | 1816 | 16:15:45 | 99,04  | 1871 | 16:20:20 | 98,76  |
| 1652 | 16:02:05 | 72,06  | 1707 | 16:06:40 | 77,15  | 1762 | 16:11:15 | 98,77  | 1817 | 16:15:50 | 98,62  | 1872 | 16:20:25 | 98,19  |
| 1653 | 16:02:10 | 73,25  | 1708 | 16:06:45 | 75,85  | 1763 | 16:11:20 | 97,41  | 1818 | 16:15:55 | 99,66  | 1873 | 16:20:30 | 97,18  |
| 1654 | 16:02:15 | 76,01  | 1709 | 16:06:50 | 78,41  | 1764 | 16:11:25 | 98,63  | 1819 | 16:16:00 | 100,87 | 1874 | 16:20:35 | 97,42  |
| 1655 | 16:02:20 | 79,57  | 1710 | 16:06:55 | 78,51  | 1765 | 16:11:30 | 96,00  | 1820 | 16:16:05 | 99,34  | 1875 | 16:20:40 | 97,22  |
| 1656 | 16:02:25 | 81,99  | 1711 | 16:07:00 | 76,31  | 1766 | 16:11:35 | 94,94  | 1821 | 16:16:10 | 100,62 | 1876 | 16:20:45 | 97,79  |
| 1657 | 16:02:30 | 83,19  | 1712 | 16:07:05 | 78,88  | 1767 | 16:11:40 | 95,86  | 1822 | 16:16:15 | 99,29  | 1877 | 16:20:50 | 99,85  |
| 1658 | 16:02:35 | 75,09  | 1713 | 16:07:10 | 77,58  | 1768 | 16:11:45 | 96,84  | 1823 | 16:16:20 | 97,74  | 1878 | 16:20:55 | 100,38 |
| 1659 | 16:02:40 | 73,73  | 1714 | 16:07:15 | 77,28  | 1769 | 16:11:50 | 96,16  | 1824 | 16:16:25 | 99,54  | 1879 | 16:21:00 | 97,87  |
| 1660 | 16:02:45 | 80,51  | 1715 | 16:07:20 | 75,98  | 1770 | 16:11:55 | 95,73  | 1825 | 16:16:30 | 96,70  | 1880 | 16:21:05 | 97,53  |
| 1661 | 16:02:50 | 77,79  | 1716 | 16:07:25 | 87,54  | 1771 | 16:12:00 | 95,16  | 1826 | 16:16:35 | 97,76  | 1881 | 16:21:10 | 98,53  |
| 1662 | 16:02:55 | 78,12  | 1717 | 16:07:30 | 77,01  | 1772 | 16:12:05 | 95,80  | 1827 | 16:16:40 | 97,30  | 1882 | 16:21:15 | 96,88  |
| 1663 | 16:03:00 | 80,62  | 1718 | 16:07:35 | 73,98  | 1773 | 16:12:10 | 95,21  | 1828 | 16:16:45 | 96,98  | 1883 | 16:21:20 | 96,74  |
| 1664 | 16:03:05 | 79,19  | 1719 | 16:07:40 | 74,02  | 1774 | 16:12:15 | 95,70  | 1829 | 16:16:50 | 97,89  | 1884 | 16:21:25 | 96,78  |
| 1665 | 16:03:10 | 79,69  | 1720 | 16:07:45 | 71,38  | 1775 | 16:12:20 | 96,00  | 1830 | 16:16:55 | 98,74  | 1885 | 16:21:30 | 97,42  |
| 1666 | 16:03:15 | 85,91  | 1721 | 16:07:50 | 76,00  | 1776 | 16:12:25 | 95,90  | 1831 | 16:17:00 | 98,03  | 1886 | 16:21:35 | 97,19  |
| 1667 | 16:03:20 | 81,63  | 1722 | 16:07:55 | 84,77  | 1777 | 16:12:30 | 95,15  | 1832 | 16:17:05 | 96,69  | 1887 | 16:21:40 | 97,41  |
| 1668 | 16:03:25 | 81,23  | 1723 | 16:08:00 | 91,55  | 1778 | 16:12:35 | 95,50  | 1833 | 16:17:10 | 97,73  | 1888 | 16:21:45 | 98,35  |
| 1669 | 16:03:30 | 81,58  | 1724 | 16:08:05 | 97,04  | 1779 | 16:12:40 | 95,88  | 1834 | 16:17:15 | 98,53  | 1889 | 16:21:50 | 98,55  |
| 1670 | 16:03:35 | 81,46  | 1725 | 16:08:10 | 100,91 | 1780 | 16:12:45 | 94,75  | 1835 | 16:17:20 | 96,95  | 1890 | 16:21:55 | 97,15  |
| 1671 | 16:03:40 | 81,92  | 1726 | 16:08:15 | 101,10 | 1781 | 16:12:50 | 96,30  | 1836 | 16:17:25 | 96,73  | 1891 | 16:22:00 | 96,65  |
| 1672 | 16:03:45 | 81,84  | 1727 | 16:08:20 | 98,82  | 1782 | 16:12:55 | 96,46  | 1837 | 16:17:30 | 98,39  | 1892 | 16:22:05 | 98,51  |
| 1673 | 16:03:50 | 82,14  | 1728 | 16:08:25 | 97,41  | 1783 | 16:13:00 | 95,77  | 1838 | 16:17:35 | 99,08  | 1893 | 16:22:10 | 95,90  |
| 1674 | 16:03:55 | 80,49  | 1729 | 16:08:30 | 98,14  | 1784 | 16:13:05 | 95,55  | 1839 | 16:17:40 | 101,08 | 1894 | 16:22:15 | 96,29  |
| 1675 | 16:04:00 | 84,68  | 1730 | 16:08:35 | 96,44  | 1785 | 16:13:10 | 95,54  | 1840 | 16:17:45 | 100,67 | 1895 | 16:22:20 | 97,39  |
| 1676 | 16:04:05 | 84,22  | 1731 | 16:08:40 | 96,83  | 1786 | 16:13:15 | 95,40  | 1841 | 16:17:50 | 98,41  | 1896 | 16:22:25 | 98,83  |
| 1677 | 16:04:10 | 80,54  | 1732 | 16:08:45 | 97,14  | 1787 | 16:13:20 | 96,67  | 1842 | 16:17:55 | 98,62  | 1897 | 16:22:30 | 96,74  |
| 1678 | 16:04:15 | 87,39  | 1733 | 16:08:50 | 96,15  | 1788 | 16:13:25 | 96,10  | 1843 | 16:18:00 | 97,72  | 1898 | 16:22:35 | 96,35  |
| 1679 | 16:04:20 | 79,13  | 1734 | 16:08:55 | 96,96  | 1789 | 16:13:30 | 95,84  | 1844 | 16:18:05 | 97,59  | 1899 | 16:22:40 | 96,92  |
| 1680 | 16:04:25 | 85,32  | 1735 | 16:09:00 | 98,24  | 1790 | 16:13:35 | 97,02  | 1845 | 16:18:10 | 96,84  | 1900 | 16:22:45 | 95,93  |
| 1681 | 16:04:30 | 79,65  | 1736 | 16:09:05 | 97,51  | 1791 | 16:13:40 | 100,69 | 1846 | 16:18:15 | 94,76  | 1901 | 16:22:50 | 94,85  |
| 1682 | 16:04:35 | 74,09  | 1737 | 16:09:10 | 97,54  | 1792 | 16:13:45 | 97,58  | 1847 | 16:18:20 | 94,36  | 1902 | 16:22:55 | 96,08  |
| 1683 | 16:04:40 | 73,70  | 1738 | 16:09:15 | 96,78  | 1793 | 16:13:50 | 98,94  | 1848 | 16:18:25 | 96,23  | 1903 | 16:23:00 | 97,19  |
| 1684 | 16:04:45 | 74,18  | 1739 | 16:09:20 | 96,95  | 1794 | 16:13:55 | 97,31  | 1849 | 16:18:30 | 95,22  | 1904 | 16:23:05 | 97,06  |
| 1685 | 16:04:50 | 74,15  | 1740 | 16:09:25 | 96,30  | 1795 | 16:14:00 | 96,97  | 1850 | 16:18:35 | 96,50  | 1905 | 16:23:10 | 96,57  |
| 1686 | 16:04:55 | 74,70  | 1741 | 16:09:30 | 96,10  | 1796 | 16:14:05 | 100,00 | 1851 | 16:18:40 | 97,68  | 1906 | 16:23:15 | 97,74  |
| 1687 | 16:05:00 | 77,88  | 1742 | 16:09:35 | 96,15  | 1797 | 16:14:10 | 101,65 | 1852 | 16:18:45 | 96,86  | 1907 | 16:23:20 | 98,57  |
| 1688 | 16:05:05 | 78,80  | 1743 | 16:09:40 | 96,65  | 1798 | 16:14:15 | 100,12 | 1853 | 16:18:50 | 96,58  | 1908 | 16:23:25 | 98,12  |
| 1689 | 16:05:10 | 78,85  | 1744 | 16:09:45 | 96,50  | 1799 | 16:14:20 | 99,12  | 1854 | 16:18:55 | 95,74  | 1909 | 16:23:30 | 95,94  |
| 1690 | 16:05:15 | 78,31  | 1745 | 16:09:50 | 96,39  | 1800 | 16:14:25 | 98,01  | 1855 | 16:19:00 | 97,97  | 1910 | 16:23:35 | 96,89  |
| 1691 | 16:05:20 | 84,07  | 1746 | 16:09:55 | 96,07  | 1801 | 16:14:30 | 97,00  | 1856 | 16:19:05 | 98,73  | 1911 | 16:23:40 | 98,06  |
| 1692 | 16:05:25 | 88,34  | 1747 | 16:10:00 | 95,29  | 1802 | 16:14:35 | 98,10  | 1857 | 16:19:10 | 99,03  | 1912 | 16:23:45 | 100,61 |
| 1693 | 16:05:30 | 81,77  | 1748 | 16:10:05 | 96,36  | 1803 | 16:14:40 | 98,38  | 1858 | 16:19:15 | 96,14  | 1913 | 16:23:50 | 98,59  |
| 1694 | 16:05:35 | 86,71  | 1749 | 16:10:10 | 97,86  | 1804 | 16:14:45 | 99,33  | 1859 | 16:19:20 | 96,76  | 1914 | 16:23:55 | 99,51  |
| 1695 | 16:05:40 | 84,99  | 1750 | 16:10:15 | 97,75  | 1805 | 16:14:50 | 98,33  | 1860 | 16:19:25 | 96,43  | 1915 | 16:24:00 | 98,13  |
| 1696 | 16:05:45 | 83,49  | 1751 | 16:10:20 | 97,88  | 1806 | 16:14:55 | 99,37  | 1861 | 16:19:30 | 97,41  | 1916 | 16:24:05 | 97,32  |
| 1697 | 16:05:50 | 80,43  | 1752 | 16:10:25 | 98,37  | 1807 | 16:15:00 | 98,40  | 1862 | 16:19:35 | 96,94  | 1917 | 16:24:10 | 96,89  |
| 1698 | 16:05:55 | 79,68  | 1753 | 16:10:30 | 99,55  | 1808 | 16:15:05 | 99,81  | 1863 | 16:19:40 | 98,49  | 1918 | 16:24:15 | 96,91  |
| 1699 | 16:06:00 | 91,48  | 1754 | 16:10:35 | 99,43  | 1809 | 16:15:10 | 100,93 | 1864 | 16:19:45 | 96,84  | 1919 | 16:24:20 | 96,06  |
| 1700 | 16:06:05 | 84,82  | 1755 | 16:10:40 | 98,64  | 1810 | 16:15:15 | 99,29  | 1865 | 16:19:50 | 97,48  | 1920 | 16:24:25 | 97,43  |
| 1701 | 16:06:10 | 77,34  | 1756 | 16:10:45 | 97,32  | 1811 | 16:15:20 | 98,28  | 1866 | 16:19:55 | 95,67  | 1921 | 16:24:30 | 97,11  |
| 1702 | 16:06:15 | 88,55  | 1757 | 16:10:50 | 99,47  | 1812 | 16:15:25 | 98,59  | 1867 | 16:20:00 | 95,06  | 1922 | 16:24:35 | 97,16  |
| 1703 | 16:06:20 | 86,61  | 1758 | 16:10:55 | 98,92  | 1813 | 16:15:30 | 98,32  | 1868 | 16:20:05 | 95,66  | 1923 | 16:24:40 | 96,01  |
| 1704 | 16:06:25 | 83,76  | 1759 | 16:11:00 | 100,03 | 1814 | 16:15:35 | 96,82  | 1869 | 16:20:10 | 97,29  | 1924 | 16:24:45 | 95,09  |
| 1705 | 16:06:30 | 77,41  | 1760 | 16:11:05 | 97,53  | 1815 | 16:15:40 | 97,90  | 1870 | 16:20:15 | 98,39  | 1925 | 16:24:50 | 95,71  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1926 | 16:24:55 | 94,56  | 1981 | 16:29:30 | 95,77  | 2036 | 16:34:05 | 93,77  | 2091 | 16:38:40 | 98,62  | 2146 | 16:43:15 | 111,47 |
| 1927 | 16:25:00 | 94,75  | 1982 | 16:29:35 | 95,12  | 2037 | 16:34:10 | 93,75  | 2092 | 16:38:45 | 94,57  | 2147 | 16:43:20 | 110,72 |
| 1928 | 16:25:05 | 94,92  | 1983 | 16:29:40 | 95,42  | 2038 | 16:34:15 | 94,03  | 2093 | 16:38:50 | 94,34  | 2148 | 16:43:25 | 99,89  |
| 1929 | 16:25:10 | 94,76  | 1984 | 16:29:45 | 94,86  | 2039 | 16:34:20 | 95,10  | 2094 | 16:38:55 | 93,73  | 2149 | 16:43:30 | 94,13  |
| 1930 | 16:25:15 | 94,70  | 1985 | 16:29:50 | 95,41  | 2040 | 16:34:25 | 96,46  | 2095 | 16:39:00 | 93,60  | 2150 | 16:43:35 | 94,80  |
| 1931 | 16:25:20 | 94,45  | 1986 | 16:29:55 | 95,60  | 2041 | 16:34:30 | 94,91  | 2096 | 16:39:05 | 93,74  | 2151 | 16:43:40 | 94,11  |
| 1932 | 16:25:25 | 95,20  | 1987 | 16:30:00 | 96,55  | 2042 | 16:34:35 | 94,93  | 2097 | 16:39:10 | 93,77  | 2152 | 16:43:45 | 94,11  |
| 1933 | 16:25:30 | 94,89  | 1988 | 16:30:05 | 96,03  | 2043 | 16:34:40 | 95,52  | 2098 | 16:39:15 | 94,29  | 2153 | 16:43:50 | 92,94  |
| 1934 | 16:25:35 | 94,60  | 1989 | 16:30:10 | 95,70  | 2044 | 16:34:45 | 95,73  | 2099 | 16:39:20 | 94,57  | 2154 | 16:43:55 | 93,73  |
| 1935 | 16:25:40 | 94,02  | 1990 | 16:30:15 | 97,15  | 2045 | 16:34:50 | 96,29  | 2100 | 16:39:25 | 94,40  | 2155 | 16:44:00 | 93,62  |
| 1936 | 16:25:45 | 94,62  | 1991 | 16:30:20 | 97,02  | 2046 | 16:34:55 | 96,31  | 2101 | 16:39:30 | 93,83  | 2156 | 16:44:05 | 94,12  |
| 1937 | 16:25:50 | 94,26  | 1992 | 16:30:25 | 95,82  | 2047 | 16:35:00 | 95,82  | 2102 | 16:39:35 | 93,64  | 2157 | 16:44:10 | 94,25  |
| 1938 | 16:25:55 | 95,13  | 1993 | 16:30:30 | 94,26  | 2048 | 16:35:05 | 95,03  | 2103 | 16:39:40 | 93,16  | 2158 | 16:44:15 | 93,65  |
| 1939 | 16:26:00 | 94,99  | 1994 | 16:30:35 | 94,56  | 2049 | 16:35:10 | 95,15  | 2104 | 16:39:45 | 93,88  | 2159 | 16:44:20 | 94,14  |
| 1940 | 16:26:05 | 94,43  | 1995 | 16:30:40 | 94,22  | 2050 | 16:35:15 | 94,97  | 2105 | 16:39:50 | 94,32  | 2160 | 16:44:25 | 93,69  |
| 1941 | 16:26:10 | 94,36  | 1996 | 16:30:45 | 93,30  | 2051 | 16:35:20 | 94,94  | 2106 | 16:39:55 | 94,64  | 2161 | 16:44:30 | 93,74  |
| 1942 | 16:26:15 | 94,74  | 1997 | 16:30:50 | 94,16  | 2052 | 16:35:25 | 95,45  | 2107 | 16:40:00 | 94,54  | 2162 | 16:44:35 | 94,95  |
| 1943 | 16:26:20 | 95,12  | 1998 | 16:30:55 | 94,21  | 2053 | 16:35:30 | 96,56  | 2108 | 16:40:05 | 94,32  | 2163 | 16:44:40 | 95,05  |
| 1944 | 16:26:25 | 95,61  | 1999 | 16:31:00 | 94,01  | 2054 | 16:35:35 | 96,64  | 2109 | 16:40:10 | 94,30  | 2164 | 16:44:45 | 94,30  |
| 1945 | 16:26:30 | 95,23  | 2000 | 16:31:05 | 93,66  | 2055 | 16:35:40 | 95,95  | 2110 | 16:40:15 | 94,43  | 2165 | 16:44:50 | 94,21  |
| 1946 | 16:26:35 | 94,75  | 2001 | 16:31:10 | 93,54  | 2056 | 16:35:45 | 96,05  | 2111 | 16:40:20 | 94,24  | 2166 | 16:44:55 | 95,10  |
| 1947 | 16:26:40 | 94,44  | 2002 | 16:31:15 | 94,08  | 2057 | 16:35:50 | 96,77  | 2112 | 16:40:25 | 94,61  | 2167 | 16:45:00 | 94,63  |
| 1948 | 16:26:45 | 94,22  | 2003 | 16:31:20 | 94,09  | 2058 | 16:35:55 | 95,07  | 2113 | 16:40:30 | 94,10  | 2168 | 16:45:05 | 96,31  |
| 1949 | 16:26:50 | 95,86  | 2004 | 16:31:25 | 93,38  | 2059 | 16:36:00 | 94,35  | 2114 | 16:40:35 | 94,37  | 2169 | 16:45:10 | 96,95  |
| 1950 | 16:26:55 | 95,11  | 2005 | 16:31:30 | 93,88  | 2060 | 16:36:05 | 93,48  | 2115 | 16:40:40 | 94,23  | 2170 | 16:45:15 | 94,56  |
| 1951 | 16:27:00 | 95,19  | 2006 | 16:31:35 | 94,09  | 2061 | 16:36:10 | 93,45  | 2116 | 16:40:45 | 94,17  | 2171 | 16:45:20 | 95,52  |
| 1952 | 16:27:05 | 94,40  | 2007 | 16:31:40 | 93,65  | 2062 | 16:36:15 | 94,69  | 2117 | 16:40:50 | 94,59  | 2172 | 16:45:25 | 95,78  |
| 1953 | 16:27:10 | 95,37  | 2008 | 16:31:45 | 94,03  | 2063 | 16:36:20 | 94,79  | 2118 | 16:40:55 | 94,94  | 2173 | 16:45:30 | 96,22  |
| 1954 | 16:27:15 | 94,90  | 2009 | 16:31:50 | 94,41  | 2064 | 16:36:25 | 94,42  | 2119 | 16:41:00 | 94,30  | 2174 | 16:45:35 | 96,04  |
| 1955 | 16:27:20 | 95,05  | 2010 | 16:31:55 | 94,27  | 2065 | 16:36:30 | 94,53  | 2120 | 16:41:05 | 94,06  | 2175 | 16:45:40 | 97,17  |
| 1956 | 16:27:25 | 94,86  | 2011 | 16:32:00 | 94,37  | 2066 | 16:36:35 | 94,49  | 2121 | 16:41:10 | 95,17  | 2176 | 16:45:45 | 94,92  |
| 1957 | 16:27:30 | 96,10  | 2012 | 16:32:05 | 94,00  | 2067 | 16:36:40 | 93,82  | 2122 | 16:41:15 | 95,43  | 2177 | 16:45:50 | 94,50  |
| 1958 | 16:27:35 | 105,22 | 2013 | 16:32:10 | 93,53  | 2068 | 16:36:45 | 94,02  | 2123 | 16:41:20 | 96,92  | 2178 | 16:45:55 | 93,41  |
| 1959 | 16:27:40 | 104,09 | 2014 | 16:32:15 | 93,49  | 2069 | 16:36:50 | 94,25  | 2124 | 16:41:25 | 95,82  | 2179 | 16:46:00 | 93,43  |
| 1960 | 16:27:45 | 98,35  | 2015 | 16:32:20 | 93,27  | 2070 | 16:36:55 | 94,46  | 2125 | 16:41:30 | 94,87  | 2180 | 16:46:05 | 94,62  |
| 1961 | 16:27:50 | 98,15  | 2016 | 16:32:25 | 93,46  | 2071 | 16:37:00 | 94,07  | 2126 | 16:41:35 | 96,25  | 2181 | 16:46:10 | 95,64  |
| 1962 | 16:27:55 | 97,39  | 2017 | 16:32:30 | 93,45  | 2072 | 16:37:05 | 93,60  | 2127 | 16:41:40 | 97,42  | 2182 | 16:46:15 | 96,08  |
| 1963 | 16:28:00 | 96,53  | 2018 | 16:32:35 | 92,57  | 2073 | 16:37:10 | 93,33  | 2128 | 16:41:45 | 94,75  | 2183 | 16:46:20 | 93,42  |
| 1964 | 16:28:05 | 95,61  | 2019 | 16:32:40 | 92,54  | 2074 | 16:37:15 | 93,52  | 2129 | 16:41:50 | 93,77  | 2184 | 16:46:25 | 92,35  |
| 1965 | 16:28:10 | 94,62  | 2020 | 16:32:45 | 92,95  | 2075 | 16:37:20 | 93,58  | 2130 | 16:41:55 | 93,74  | 2185 | 16:46:30 | 92,27  |
| 1966 | 16:28:15 | 95,24  | 2021 | 16:32:50 | 93,05  | 2076 | 16:37:25 | 94,51  | 2131 | 16:42:00 | 93,48  | 2186 | 16:46:35 | 92,26  |
| 1967 | 16:28:20 | 95,83  | 2022 | 16:32:55 | 93,47  | 2077 | 16:37:30 | 93,94  | 2132 | 16:42:05 | 93,96  | 2187 | 16:46:40 | 91,82  |
| 1968 | 16:28:25 | 95,94  | 2023 | 16:33:00 | 94,20  | 2078 | 16:37:35 | 93,31  | 2133 | 16:42:10 | 94,14  | 2188 | 16:46:45 | 91,79  |
| 1969 | 16:28:30 | 97,46  | 2024 | 16:33:05 | 95,66  | 2079 | 16:37:40 | 93,08  | 2134 | 16:42:15 | 94,12  | 2189 | 16:46:50 | 91,96  |
| 1970 | 16:28:35 | 97,47  | 2025 | 16:33:10 | 96,51  | 2080 | 16:37:45 | 93,17  | 2135 | 16:42:20 | 94,08  | 2190 | 16:46:55 | 91,67  |
| 1971 | 16:28:40 | 95,76  | 2026 | 16:33:15 | 95,34  | 2081 | 16:37:50 | 93,50  | 2136 | 16:42:25 | 93,76  | 2191 | 16:47:00 | 91,89  |
| 1972 | 16:28:45 | 97,83  | 2027 | 16:33:20 | 94,36  | 2082 | 16:37:55 | 93,22  | 2137 | 16:42:30 | 93,56  | 2192 | 16:47:05 | 92,08  |
| 1973 | 16:28:50 | 97,10  | 2028 | 16:33:25 | 93,77  | 2083 | 16:38:00 | 92,75  | 2138 | 16:42:35 | 93,30  | 2193 | 16:47:10 | 93,03  |
| 1974 | 16:28:55 | 97,12  | 2029 | 16:33:30 | 93,32  | 2084 | 16:38:05 | 92,94  | 2139 | 16:42:40 | 93,55  | 2194 | 16:47:15 | 94,00  |
| 1975 | 16:29:00 | 96,66  | 2030 | 16:33:35 | 93,65  | 2085 | 16:38:10 | 93,08  | 2140 | 16:42:45 | 93,33  | 2195 | 16:47:20 | 94,31  |
| 1976 | 16:29:05 | 95,80  | 2031 | 16:33:40 | 94,12  | 2086 | 16:38:15 | 93,89  | 2141 | 16:42:50 | 94,65  | 2196 | 16:47:25 | 94,42  |
| 1977 | 16:29:10 | 95,92  | 2032 | 16:33:45 | 94,29  | 2087 | 16:38:20 | 94,15  | 2142 | 16:42:55 | 102,40 | 2197 | 16:47:30 | 94,45  |
| 1978 | 16:29:15 | 96,25  | 2033 | 16:33:50 | 94,40  | 2088 | 16:38:25 | 94,11  | 2143 | 16:43:00 | 100,55 | 2198 | 16:47:35 | 94,34  |
| 1979 | 16:29:20 | 96,45  | 2034 | 16:33:55 | 95,36  | 2089 | 16:38:30 | 95,00  | 2144 | 16:43:05 | 103,48 | 2199 | 16:47:40 | 94,97  |
| 1980 | 16:29:25 | 96,16  | 2035 | 16:34:00 | 94,51  | 2090 | 16:38:35 | 100,09 | 2145 | 16:43:10 | 99,42  | 2200 | 16:47:45 | 94,38  |

*Relatório dosimetria de ruído @ SONUS 2 SN: 032005135*

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] |
|------|----------|--------|------|----------|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|
| 2201 | 16:47:50 | 94,19  | 2256 | 16:52:25 | 70,55  |     |     |        |     |     |        |     |     |        |
| 2202 | 16:47:55 | 94,64  | 2257 | 16:52:30 | 70,64  |     |     |        |     |     |        |     |     |        |
| 2203 | 16:48:00 | 93,00  | 2258 | 16:52:35 | 88,47  |     |     |        |     |     |        |     |     |        |
| 2204 | 16:48:05 | 92,88  | 2259 | 16:52:40 | 86,44  |     |     |        |     |     |        |     |     |        |
| 2205 | 16:48:10 | 92,04  | 2260 | 16:52:45 | 70,99  |     |     |        |     |     |        |     |     |        |
| 2206 | 16:48:15 | 78,63  | 2261 | 16:52:50 | 68,63  |     |     |        |     |     |        |     |     |        |
| 2207 | 16:48:20 | 78,30  | 2262 | 16:52:55 | 66,57  |     |     |        |     |     |        |     |     |        |
| 2208 | 16:48:25 | 75,49  | 2263 | 16:53:00 | 62,07  |     |     |        |     |     |        |     |     |        |
| 2209 | 16:48:30 | 75,91  | 2264 | 16:53:05 | 69,05  |     |     |        |     |     |        |     |     |        |
| 2210 | 16:48:35 | 75,28  | 2265 | 16:53:10 | 72,96  |     |     |        |     |     |        |     |     |        |
| 2211 | 16:48:40 | 74,05  | 2266 | 16:53:15 | 68,57  |     |     |        |     |     |        |     |     |        |
| 2212 | 16:48:45 | 67,35  | 2267 | 16:53:20 | 75,17  |     |     |        |     |     |        |     |     |        |
| 2213 | 16:48:50 | 70,32  | 2268 | 16:53:25 | 75,12  |     |     |        |     |     |        |     |     |        |
| 2214 | 16:48:55 | 71,30  | 2269 | 16:53:30 | 78,85  |     |     |        |     |     |        |     |     |        |
| 2215 | 16:49:00 | 73,89  | 2270 | 16:53:35 | 73,78  |     |     |        |     |     |        |     |     |        |
| 2216 | 16:49:05 | 72,76  | 2271 | 16:53:40 | 75,35  |     |     |        |     |     |        |     |     |        |
| 2217 | 16:49:10 | 84,81  | 2272 | 16:53:45 | 74,64  |     |     |        |     |     |        |     |     |        |
| 2218 | 16:49:15 | 82,63  | 2273 | 16:53:50 | 73,24  |     |     |        |     |     |        |     |     |        |
| 2219 | 16:49:20 | 73,86  | 2274 | 16:53:55 | 72,61  |     |     |        |     |     |        |     |     |        |
| 2220 | 16:49:25 | 74,12  | 2275 | 16:54:00 | 71,27  |     |     |        |     |     |        |     |     |        |
| 2221 | 16:49:30 | 73,67  | 2276 | 16:54:05 | 70,55  |     |     |        |     |     |        |     |     |        |
| 2222 | 16:49:35 | 68,98  | 2277 | 16:54:10 | 81,00  |     |     |        |     |     |        |     |     |        |
| 2223 | 16:49:40 | 84,61  | 2278 | 16:54:15 | 77,18  |     |     |        |     |     |        |     |     |        |
| 2224 | 16:49:45 | 79,13  | 2279 | 16:54:20 | 74,77  |     |     |        |     |     |        |     |     |        |
| 2225 | 16:49:50 | 79,46  | 2280 | 16:54:25 | 72,77  |     |     |        |     |     |        |     |     |        |
| 2226 | 16:49:55 | 74,07  | 2281 | 16:54:30 | 72,53  |     |     |        |     |     |        |     |     |        |
| 2227 | 16:50:00 | 76,52  | 2282 | 16:54:35 | 71,46  |     |     |        |     |     |        |     |     |        |
| 2228 | 16:50:05 | 73,19  | 2283 | 16:54:40 | 77,21  |     |     |        |     |     |        |     |     |        |
| 2229 | 16:50:10 | 67,86  | 2284 | 16:54:45 | 74,39  |     |     |        |     |     |        |     |     |        |
| 2230 | 16:50:15 | 69,26  | 2285 | 16:54:50 | 74,04  |     |     |        |     |     |        |     |     |        |
| 2231 | 16:50:20 | 67,98  | 2286 | 16:54:55 | 72,86  |     |     |        |     |     |        |     |     |        |
| 2232 | 16:50:25 | 57,48  | 2287 | 16:55:00 | 73,83  |     |     |        |     |     |        |     |     |        |
| 2233 | 16:50:30 | 65,36  | 2288 | 16:55:05 | 75,11  |     |     |        |     |     |        |     |     |        |
| 2234 | 16:50:35 | 72,72  | 2289 | 16:55:10 | 77,77  |     |     |        |     |     |        |     |     |        |
| 2235 | 16:50:40 | 74,12  | 2290 | 16:55:15 | 68,43  |     |     |        |     |     |        |     |     |        |
| 2236 | 16:50:45 | 73,40  | 2291 | 16:55:20 | 64,72  |     |     |        |     |     |        |     |     |        |
| 2237 | 16:50:50 | 71,36  | 2292 | 16:55:25 | 76,44  |     |     |        |     |     |        |     |     |        |
| 2238 | 16:50:55 | 70,00  | 2293 | 16:55:30 | 77,96  |     |     |        |     |     |        |     |     |        |
| 2239 | 16:51:00 | 69,51  | 2294 | 16:55:35 | 66,62  |     |     |        |     |     |        |     |     |        |
| 2240 | 16:51:05 | 69,51  | 2295 | 16:55:40 | 69,78  |     |     |        |     |     |        |     |     |        |
| 2241 | 16:51:10 | 69,83  | 2296 | 16:55:45 | 77,66  |     |     |        |     |     |        |     |     |        |
| 2242 | 16:51:15 | 69,19  | 2297 | 16:55:50 | 74,40  |     |     |        |     |     |        |     |     |        |
| 2243 | 16:51:20 | 69,87  | 2298 | 16:55:55 | 78,52  |     |     |        |     |     |        |     |     |        |
| 2244 | 16:51:25 | 69,99  | 2299 | 16:56:00 | 76,31  |     |     |        |     |     |        |     |     |        |
| 2245 | 16:51:30 | 70,82  | 2300 | 16:56:05 | 76,00  |     |     |        |     |     |        |     |     |        |
| 2246 | 16:51:35 | 70,28  | 2301 | 16:56:10 | 75,68  |     |     |        |     |     |        |     |     |        |
| 2247 | 16:51:40 | 70,14  | 2302 | 16:56:15 | 72,39  |     |     |        |     |     |        |     |     |        |
| 2248 | 16:51:45 | 69,94  | 2303 | 16:56:20 | 74,95  |     |     |        |     |     |        |     |     |        |
| 2249 | 16:51:50 | 71,06  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2250 | 16:51:55 | 71,99  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2251 | 16:52:00 | 77,42  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2252 | 16:52:05 | 75,48  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2253 | 16:52:10 | 72,26  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2254 | 16:52:15 | 70,46  |      |          |        |     |     |        |     |     |        |     |     |        |
| 2255 | 16:52:20 | 70,98  |      |          |        |     |     |        |     |     |        |     |     |        |

Empresa avaliada: MUNICÍPIO DE PATO BRAGADO  
Setor: SECRETARIA DE EDUCAÇÃO  
Funcionário avaliado: PROFESSOR DE EDUCAÇÃO FÍSICA  
Jornada de trabalho [hh:mm]: 08:00

Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRAB  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 06/08/2025

**Configuração dos dosímetros**

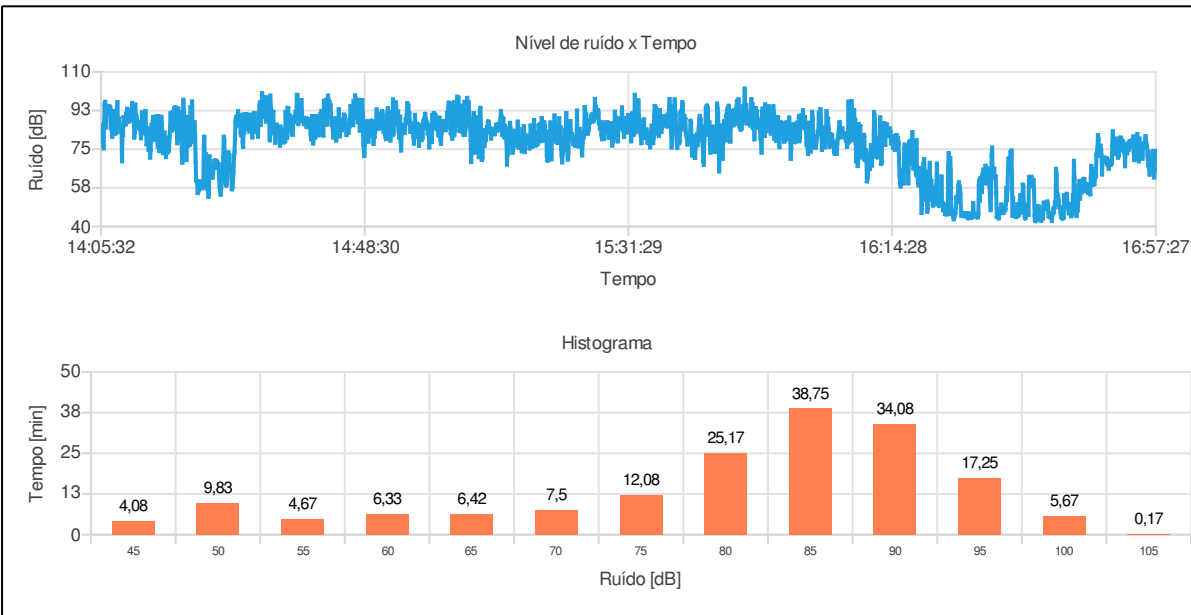
|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Dosímetro NR15                       | Dosímetro NHO01                      | Dosímetro USER                       |
| Curva de ponderação: A               | Curva de ponderação: A               | Curva de ponderação: A               |
| Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       |
| Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           |
| Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 |
| Duplicação de dose (Q) [dB]: 5       | Duplicação de dose (Q) [dB]: 3       | Duplicação de dose (Q) [dB]: 3       |

**Resultado da avaliação**

|                                   |                         |                          |
|-----------------------------------|-------------------------|--------------------------|
| Duração: 02:52:04                 |                         | Tempo em pausa: 00:00:18 |
| Início: 14:05:32                  |                         | Fim: 16:57:27            |
| Dosímetro NR15                    | Dosímetro NHO01         | Dosímetro USER           |
| Dose [%]: 29,79                   | Dose [%]: 57,69         | Dose [%]: 57,69          |
| Dose diária [%]: 83,10            | Dose diária [%]: 160,93 | Dose diária [%]: 160,93  |
| Lavg [dB]: 83,66                  | Leq [dB]: 87,06         | Leq [dB]: 87,06          |
| NE [dB]: 83,66                    | NE [dB]: 87,06          | NE [dB]: 87,06           |
| NEN [dB]: 83,66                   | NEN [dB]: 87,06         | NEN [dB]: 0,00           |
| TWA [dB]: 76,26                   | TWA [dB]: 82,62         | TWA [dB]: 82,62          |
| Ocorrências de picos de 115 dB: 0 |                         |                          |

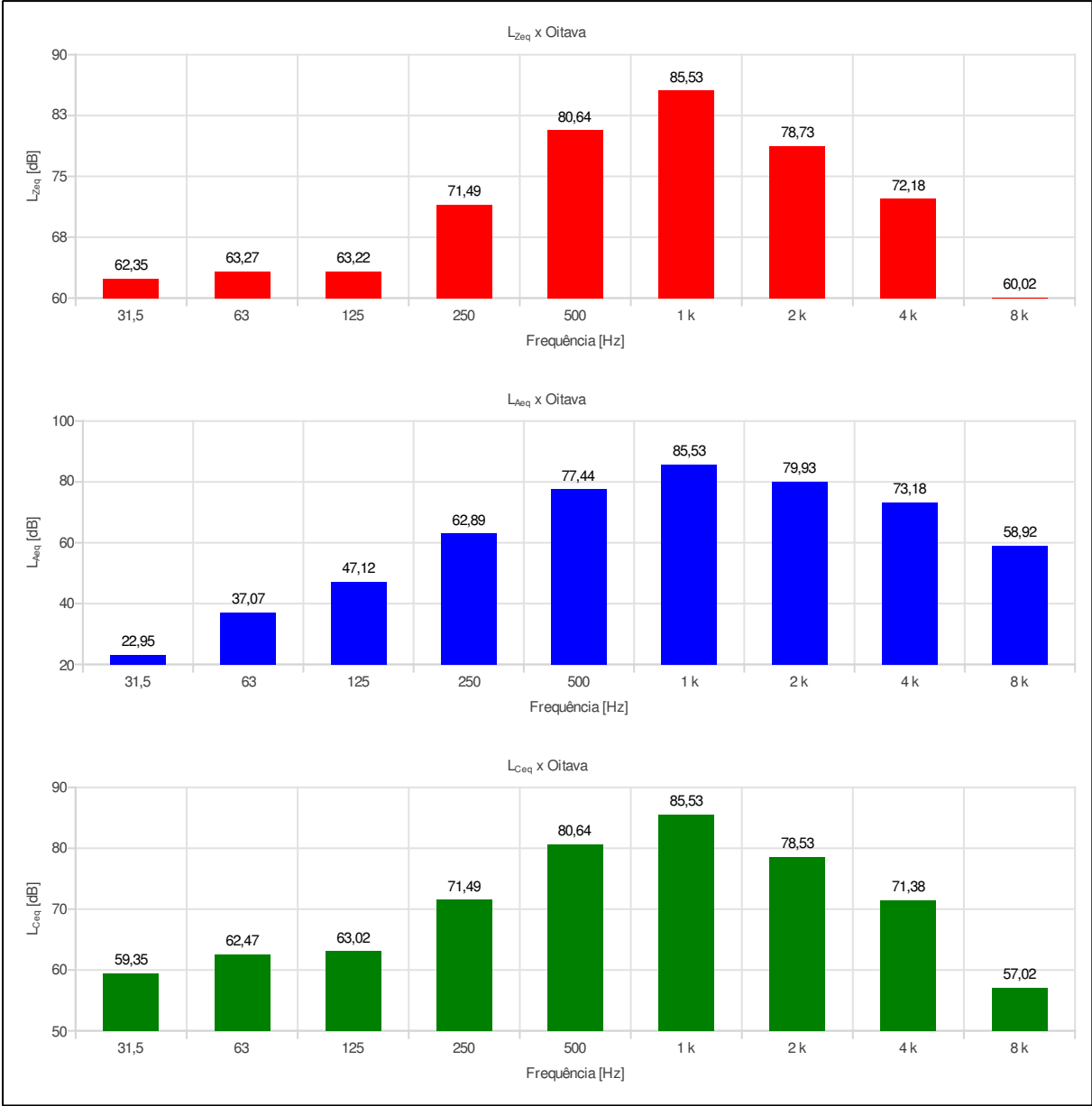
**Registro de calibração**

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Verificação de campo @ 1kHz                     | Calibração de laboratório          |
| Pré verificação [dB]: 114,00 (06/08/2025 14:04) | Dosímetro: CRA0131/2025 31/01/2025 |
| Pós verificação [dB]: 113,48 (06/08/2025 16:57) | Calibrador de áudio:               |
| Desvio [dB]: 0,52                               |                                    |

**Gráficos****Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA 147394/D

Bandas de oitavas



**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 14:05:32 | 86,06  | 056 | 14:10:07 | 87,64  | 111 | 14:14:42 | 79,76  | 166 | 14:19:17 | 85,63  | 221 | 14:23:52 | 66,51  |
| 002 | 14:05:37 | 85,93  | 057 | 14:10:12 | 92,53  | 112 | 14:14:47 | 76,12  | 167 | 14:19:22 | 83,97  | 222 | 14:23:57 | 69,65  |
| 003 | 14:05:42 | 82,45  | 058 | 14:10:17 | 89,37  | 113 | 14:14:52 | 89,96  | 168 | 14:19:27 | 70,09  | 223 | 14:24:02 | 68,18  |
| 004 | 14:05:47 | 78,82  | 059 | 14:10:22 | 89,30  | 114 | 14:14:57 | 79,38  | 169 | 14:19:32 | 84,37  | 224 | 14:24:07 | 68,27  |
| 005 | 14:05:52 | 78,55  | 060 | 14:10:27 | 91,87  | 115 | 14:15:02 | 74,16  | 170 | 14:19:37 | 89,26  | 225 | 14:24:12 | 69,96  |
| 006 | 14:05:57 | 75,44  | 061 | 14:10:32 | 88,24  | 116 | 14:15:07 | 82,02  | 171 | 14:19:42 | 89,55  | 226 | 14:24:17 | 66,66  |
| 007 | 14:06:02 | 87,42  | 062 | 14:10:37 | 95,92  | 117 | 14:15:12 | 79,16  | 172 | 14:19:47 | 77,44  | 227 | 14:24:22 | 67,09  |
| 008 | 14:06:07 | 95,32  | 063 | 14:10:42 | 94,73  | 118 | 14:15:17 | 89,62  | 173 | 14:19:52 | 76,76  | 228 | 14:24:27 | 69,29  |
| 009 | 14:06:12 | 96,43  | 064 | 14:10:47 | 91,94  | 119 | 14:15:22 | 89,62  | 174 | 14:19:57 | 77,10  | 229 | 14:24:32 | 68,38  |
| 010 | 14:06:17 | 84,82  | 065 | 14:10:52 | 89,34  | 120 | 14:15:27 | 86,68  | 175 | 14:20:02 | 77,17  | 230 | 14:24:37 | 67,27  |
| 011 | 14:06:22 | 88,21  | 066 | 14:10:57 | 80,26  | 121 | 14:15:32 | 77,43  | 176 | 14:20:07 | 94,07  | 231 | 14:24:42 | 68,15  |
| 012 | 14:06:27 | 93,52  | 067 | 14:11:02 | 82,82  | 122 | 14:15:37 | 73,24  | 177 | 14:20:12 | 88,26  | 232 | 14:24:47 | 61,68  |
| 013 | 14:06:32 | 94,60  | 068 | 14:11:07 | 95,19  | 123 | 14:15:42 | 79,61  | 178 | 14:20:17 | 78,41  | 233 | 14:24:52 | 57,66  |
| 014 | 14:06:37 | 92,02  | 069 | 14:11:12 | 87,34  | 124 | 14:15:47 | 79,13  | 179 | 14:20:22 | 96,57  | 234 | 14:24:57 | 55,94  |
| 015 | 14:06:42 | 91,05  | 070 | 14:11:17 | 90,07  | 125 | 14:15:52 | 82,53  | 180 | 14:20:27 | 85,73  | 235 | 14:25:02 | 54,42  |
| 016 | 14:06:47 | 93,59  | 071 | 14:11:22 | 88,70  | 126 | 14:15:57 | 77,96  | 181 | 14:20:32 | 79,44  | 236 | 14:25:07 | 57,38  |
| 017 | 14:06:52 | 93,89  | 072 | 14:11:27 | 85,18  | 127 | 14:16:02 | 75,42  | 182 | 14:20:37 | 82,16  | 237 | 14:25:12 | 59,75  |
| 018 | 14:06:57 | 94,39  | 073 | 14:11:32 | 87,38  | 128 | 14:16:07 | 71,45  | 183 | 14:20:42 | 82,54  | 238 | 14:25:17 | 61,93  |
| 019 | 14:07:02 | 93,72  | 074 | 14:11:37 | 86,38  | 129 | 14:16:12 | 79,77  | 184 | 14:20:47 | 87,20  | 239 | 14:25:22 | 62,78  |
| 020 | 14:07:07 | 84,77  | 075 | 14:11:42 | 85,49  | 130 | 14:16:17 | 78,71  | 185 | 14:20:52 | 81,56  | 240 | 14:25:27 | 71,31  |
| 021 | 14:07:12 | 88,25  | 076 | 14:11:47 | 84,36  | 131 | 14:16:22 | 73,54  | 186 | 14:20:57 | 69,12  | 241 | 14:25:32 | 80,62  |
| 022 | 14:07:17 | 83,36  | 077 | 14:11:52 | 84,03  | 132 | 14:16:27 | 77,57  | 187 | 14:21:02 | 61,38  | 242 | 14:25:37 | 79,41  |
| 023 | 14:07:22 | 80,70  | 078 | 14:11:57 | 84,27  | 133 | 14:16:32 | 78,38  | 188 | 14:21:07 | 60,13  | 243 | 14:25:42 | 70,32  |
| 024 | 14:07:27 | 81,85  | 079 | 14:12:02 | 79,99  | 134 | 14:16:37 | 74,43  | 189 | 14:21:12 | 60,28  | 244 | 14:25:47 | 70,93  |
| 025 | 14:07:32 | 92,26  | 080 | 14:12:07 | 83,32  | 135 | 14:16:42 | 80,63  | 190 | 14:21:17 | 55,18  | 245 | 14:25:52 | 60,49  |
| 026 | 14:07:37 | 87,24  | 081 | 14:12:12 | 91,65  | 136 | 14:16:47 | 85,30  | 191 | 14:21:22 | 56,49  | 246 | 14:25:57 | 58,58  |
| 027 | 14:07:42 | 91,86  | 082 | 14:12:17 | 84,32  | 137 | 14:16:52 | 91,30  | 192 | 14:21:27 | 56,20  | 247 | 14:26:02 | 59,43  |
| 028 | 14:07:47 | 87,87  | 083 | 14:12:22 | 86,83  | 138 | 14:16:57 | 86,67  | 193 | 14:21:32 | 60,35  | 248 | 14:26:07 | 70,70  |
| 029 | 14:07:52 | 82,16  | 084 | 14:12:27 | 87,73  | 139 | 14:17:02 | 83,44  | 194 | 14:21:37 | 57,32  | 249 | 14:26:12 | 72,16  |
| 030 | 14:07:57 | 82,83  | 085 | 14:12:32 | 82,89  | 140 | 14:17:07 | 91,60  | 195 | 14:21:42 | 58,43  | 250 | 14:26:17 | 73,52  |
| 031 | 14:08:02 | 82,54  | 086 | 14:12:37 | 83,50  | 141 | 14:17:12 | 88,26  | 196 | 14:21:47 | 59,37  | 251 | 14:26:22 | 67,72  |
| 032 | 14:08:07 | 92,86  | 087 | 14:12:42 | 82,31  | 142 | 14:17:17 | 84,13  | 197 | 14:21:52 | 59,78  | 252 | 14:26:27 | 72,31  |
| 033 | 14:08:12 | 96,33  | 088 | 14:12:47 | 92,29  | 143 | 14:17:22 | 88,20  | 198 | 14:21:57 | 58,69  | 253 | 14:26:32 | 64,70  |
| 034 | 14:08:17 | 87,76  | 089 | 14:12:52 | 83,44  | 144 | 14:17:27 | 93,33  | 199 | 14:22:02 | 58,63  | 254 | 14:26:37 | 66,15  |
| 035 | 14:08:22 | 85,94  | 090 | 14:12:57 | 77,27  | 145 | 14:17:32 | 91,26  | 200 | 14:22:07 | 57,43  | 255 | 14:26:42 | 67,62  |
| 036 | 14:08:27 | 88,79  | 091 | 14:13:02 | 77,99  | 146 | 14:17:37 | 93,94  | 201 | 14:22:12 | 57,79  | 256 | 14:26:47 | 62,17  |
| 037 | 14:08:32 | 85,02  | 092 | 14:13:07 | 84,45  | 147 | 14:17:42 | 89,21  | 202 | 14:22:17 | 76,68  | 257 | 14:26:52 | 56,87  |
| 038 | 14:08:37 | 85,92  | 093 | 14:13:12 | 80,32  | 148 | 14:17:47 | 85,39  | 203 | 14:22:22 | 80,63  | 258 | 14:26:57 | 57,55  |
| 039 | 14:08:42 | 83,05  | 094 | 14:13:17 | 74,77  | 149 | 14:17:52 | 85,25  | 204 | 14:22:27 | 70,62  | 259 | 14:27:02 | 60,19  |
| 040 | 14:08:47 | 85,09  | 095 | 14:13:22 | 80,94  | 150 | 14:17:57 | 77,77  | 205 | 14:22:32 | 58,09  | 260 | 14:27:07 | 64,59  |
| 041 | 14:08:52 | 83,49  | 096 | 14:13:27 | 77,45  | 151 | 14:18:02 | 78,91  | 206 | 14:22:37 | 72,68  | 261 | 14:27:12 | 71,39  |
| 042 | 14:08:57 | 69,56  | 097 | 14:13:32 | 71,26  | 152 | 14:18:07 | 93,39  | 207 | 14:22:42 | 65,23  | 262 | 14:27:17 | 73,64  |
| 043 | 14:09:02 | 83,23  | 098 | 14:13:37 | 74,51  | 153 | 14:18:12 | 89,52  | 208 | 14:22:47 | 58,90  | 263 | 14:27:22 | 79,43  |
| 044 | 14:09:07 | 81,47  | 099 | 14:13:42 | 81,20  | 154 | 14:18:17 | 91,80  | 209 | 14:22:52 | 57,12  | 264 | 14:27:27 | 87,51  |
| 045 | 14:09:12 | 89,44  | 100 | 14:13:47 | 85,98  | 155 | 14:18:22 | 91,73  | 210 | 14:22:57 | 58,27  | 265 | 14:27:32 | 89,17  |
| 046 | 14:09:17 | 88,88  | 101 | 14:13:52 | 82,95  | 156 | 14:18:27 | 89,87  | 211 | 14:23:02 | 53,46  | 266 | 14:27:37 | 89,70  |
| 047 | 14:09:22 | 87,58  | 102 | 14:13:57 | 87,04  | 157 | 14:18:32 | 88,90  | 212 | 14:23:07 | 54,34  | 267 | 14:27:42 | 89,81  |
| 048 | 14:09:27 | 89,34  | 103 | 14:14:02 | 89,62  | 158 | 14:18:37 | 81,47  | 213 | 14:23:12 | 71,76  | 268 | 14:27:47 | 88,00  |
| 049 | 14:09:32 | 86,25  | 104 | 14:14:07 | 79,40  | 159 | 14:18:42 | 73,87  | 214 | 14:23:17 | 63,98  | 269 | 14:27:52 | 92,15  |
| 050 | 14:09:37 | 91,10  | 105 | 14:14:12 | 80,85  | 160 | 14:18:47 | 68,91  | 215 | 14:23:22 | 66,19  | 270 | 14:27:57 | 87,58  |
| 051 | 14:09:42 | 89,43  | 106 | 14:14:17 | 84,03  | 161 | 14:18:52 | 84,14  | 216 | 14:23:27 | 67,60  | 271 | 14:28:02 | 85,71  |
| 052 | 14:09:47 | 93,29  | 107 | 14:14:22 | 87,93  | 162 | 14:18:57 | 97,37  | 217 | 14:23:32 | 65,67  | 272 | 14:28:07 | 89,88  |
| 053 | 14:09:52 | 90,09  | 108 | 14:14:27 | 82,91  | 163 | 14:19:02 | 92,24  | 218 | 14:23:37 | 63,42  | 273 | 14:28:12 | 88,88  |
| 054 | 14:09:57 | 90,51  | 109 | 14:14:32 | 81,27  | 164 | 14:19:07 | 83,76  | 219 | 14:23:42 | 62,18  | 274 | 14:28:17 | 82,18  |
| 055 | 14:10:02 | 87,51  | 110 | 14:14:37 | 89,85  | 165 | 14:19:12 | 86,61  | 220 | 14:23:47 | 63,84  | 275 | 14:28:22 | 81,43  |

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| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 14:28:27 | 90,56  | 331 | 14:33:02 | 79,08  | 386 | 14:37:37 | 95,06  | 441 | 14:42:12 | 87,68  | 496 | 14:46:47 | 91,29  |
| 277 | 14:28:32 | 87,50  | 332 | 14:33:07 | 99,22  | 387 | 14:37:42 | 86,37  | 442 | 14:42:17 | 97,42  | 497 | 14:46:52 | 89,34  |
| 278 | 14:28:37 | 78,07  | 333 | 14:33:12 | 94,09  | 388 | 14:37:47 | 87,79  | 443 | 14:42:22 | 86,21  | 498 | 14:46:57 | 99,32  |
| 279 | 14:28:42 | 76,05  | 334 | 14:33:17 | 89,07  | 389 | 14:37:52 | 90,81  | 444 | 14:42:27 | 90,14  | 499 | 14:47:02 | 97,86  |
| 280 | 14:28:47 | 85,76  | 335 | 14:33:22 | 91,84  | 390 | 14:37:57 | 91,23  | 445 | 14:42:32 | 99,22  | 500 | 14:47:07 | 94,90  |
| 281 | 14:28:52 | 82,57  | 336 | 14:33:27 | 91,76  | 391 | 14:38:02 | 94,46  | 446 | 14:42:37 | 97,13  | 501 | 14:47:12 | 92,84  |
| 282 | 14:28:57 | 90,84  | 337 | 14:33:32 | 92,06  | 392 | 14:38:07 | 90,20  | 447 | 14:42:42 | 89,99  | 502 | 14:47:17 | 95,42  |
| 283 | 14:29:02 | 85,21  | 338 | 14:33:37 | 91,92  | 393 | 14:38:12 | 97,23  | 448 | 14:42:47 | 96,23  | 503 | 14:47:22 | 87,21  |
| 284 | 14:29:07 | 84,34  | 339 | 14:33:42 | 82,19  | 394 | 14:38:17 | 92,13  | 449 | 14:42:52 | 92,67  | 504 | 14:47:27 | 96,28  |
| 285 | 14:29:12 | 90,82  | 340 | 14:33:47 | 84,04  | 395 | 14:38:22 | 88,53  | 450 | 14:42:57 | 94,87  | 505 | 14:47:32 | 97,25  |
| 286 | 14:29:17 | 89,29  | 341 | 14:33:52 | 83,37  | 396 | 14:38:27 | 87,63  | 451 | 14:43:02 | 89,62  | 506 | 14:47:37 | 96,37  |
| 287 | 14:29:22 | 84,76  | 342 | 14:33:57 | 77,91  | 397 | 14:38:32 | 87,97  | 452 | 14:43:07 | 86,24  | 507 | 14:47:42 | 83,47  |
| 288 | 14:29:27 | 86,27  | 343 | 14:34:02 | 83,01  | 398 | 14:38:37 | 86,34  | 453 | 14:43:12 | 86,30  | 508 | 14:47:47 | 97,01  |
| 289 | 14:29:32 | 85,90  | 344 | 14:34:07 | 84,03  | 399 | 14:38:42 | 87,34  | 454 | 14:43:17 | 84,74  | 509 | 14:47:52 | 92,48  |
| 290 | 14:29:37 | 84,66  | 345 | 14:34:12 | 86,09  | 400 | 14:38:47 | 88,69  | 455 | 14:43:22 | 80,32  | 510 | 14:47:57 | 96,26  |
| 291 | 14:29:42 | 83,06  | 346 | 14:34:17 | 82,83  | 401 | 14:38:52 | 89,03  | 456 | 14:43:27 | 84,36  | 511 | 14:48:02 | 95,71  |
| 292 | 14:29:47 | 90,61  | 347 | 14:34:22 | 83,36  | 402 | 14:38:57 | 86,10  | 457 | 14:43:32 | 86,87  | 512 | 14:48:07 | 97,17  |
| 293 | 14:29:52 | 84,00  | 348 | 14:34:27 | 82,23  | 403 | 14:39:02 | 85,07  | 458 | 14:43:37 | 85,61  | 513 | 14:48:12 | 90,81  |
| 294 | 14:29:57 | 83,56  | 349 | 14:34:32 | 84,35  | 404 | 14:39:07 | 87,28  | 459 | 14:43:42 | 89,02  | 514 | 14:48:17 | 77,13  |
| 295 | 14:30:02 | 86,44  | 350 | 14:34:37 | 79,27  | 405 | 14:39:12 | 88,78  | 460 | 14:43:47 | 80,19  | 515 | 14:48:22 | 75,96  |
| 296 | 14:30:07 | 84,03  | 351 | 14:34:42 | 76,60  | 406 | 14:39:17 | 87,45  | 461 | 14:43:52 | 79,00  | 516 | 14:48:27 | 72,00  |
| 297 | 14:30:12 | 80,36  | 352 | 14:34:47 | 85,21  | 407 | 14:39:22 | 86,36  | 462 | 14:43:57 | 83,71  | 517 | 14:48:32 | 77,44  |
| 298 | 14:30:17 | 87,12  | 353 | 14:34:52 | 82,95  | 408 | 14:39:27 | 87,46  | 463 | 14:44:02 | 82,89  | 518 | 14:48:37 | 79,04  |
| 299 | 14:30:22 | 83,11  | 354 | 14:34:57 | 84,02  | 409 | 14:39:32 | 86,45  | 464 | 14:44:07 | 84,22  | 519 | 14:48:42 | 80,30  |
| 300 | 14:30:27 | 91,31  | 355 | 14:35:02 | 83,23  | 410 | 14:39:37 | 84,72  | 465 | 14:44:12 | 84,27  | 520 | 14:48:47 | 79,39  |
| 301 | 14:30:32 | 91,09  | 356 | 14:35:07 | 82,30  | 411 | 14:39:42 | 81,69  | 466 | 14:44:17 | 93,09  | 521 | 14:48:52 | 87,60  |
| 302 | 14:30:37 | 87,88  | 357 | 14:35:12 | 82,77  | 412 | 14:39:47 | 79,44  | 467 | 14:44:22 | 86,83  | 522 | 14:48:57 | 82,33  |
| 303 | 14:30:42 | 86,36  | 358 | 14:35:17 | 78,10  | 413 | 14:39:52 | 82,94  | 468 | 14:44:27 | 80,84  | 523 | 14:49:02 | 80,01  |
| 304 | 14:30:47 | 83,60  | 359 | 14:35:22 | 81,52  | 414 | 14:39:57 | 90,05  | 469 | 14:44:32 | 84,81  | 524 | 14:49:07 | 78,46  |
| 305 | 14:30:52 | 82,93  | 360 | 14:35:27 | 78,59  | 415 | 14:40:02 | 82,98  | 470 | 14:44:37 | 87,25  | 525 | 14:49:12 | 82,71  |
| 306 | 14:30:57 | 83,78  | 361 | 14:35:32 | 78,66  | 416 | 14:40:07 | 77,63  | 471 | 14:44:42 | 85,60  | 526 | 14:49:17 | 81,92  |
| 307 | 14:31:02 | 83,19  | 362 | 14:35:37 | 91,86  | 417 | 14:40:12 | 80,52  | 472 | 14:44:47 | 83,61  | 527 | 14:49:22 | 80,97  |
| 308 | 14:31:07 | 80,74  | 363 | 14:35:42 | 85,73  | 418 | 14:40:17 | 81,94  | 473 | 14:44:52 | 88,37  | 528 | 14:49:27 | 85,40  |
| 309 | 14:31:12 | 91,26  | 364 | 14:35:47 | 80,23  | 419 | 14:40:22 | 82,99  | 474 | 14:44:57 | 86,39  | 529 | 14:49:32 | 87,79  |
| 310 | 14:31:17 | 89,52  | 365 | 14:35:52 | 80,15  | 420 | 14:40:27 | 80,31  | 475 | 14:45:02 | 85,92  | 530 | 14:49:37 | 87,41  |
| 311 | 14:31:22 | 95,11  | 366 | 14:35:57 | 93,70  | 421 | 14:40:32 | 81,59  | 476 | 14:45:07 | 90,64  | 531 | 14:49:42 | 87,80  |
| 312 | 14:31:27 | 96,17  | 367 | 14:36:02 | 93,57  | 422 | 14:40:37 | 90,01  | 477 | 14:45:12 | 86,54  | 532 | 14:49:47 | 81,91  |
| 313 | 14:31:32 | 86,03  | 368 | 14:36:07 | 83,38  | 423 | 14:40:42 | 82,25  | 478 | 14:45:17 | 89,91  | 533 | 14:49:52 | 81,65  |
| 314 | 14:31:37 | 88,13  | 369 | 14:36:12 | 90,15  | 424 | 14:40:47 | 82,46  | 479 | 14:45:22 | 88,59  | 534 | 14:49:57 | 77,38  |
| 315 | 14:31:42 | 92,64  | 370 | 14:36:17 | 90,22  | 425 | 14:40:52 | 88,55  | 480 | 14:45:27 | 85,43  | 535 | 14:50:02 | 80,84  |
| 316 | 14:31:47 | 100,35 | 371 | 14:36:22 | 83,62  | 426 | 14:40:57 | 82,83  | 481 | 14:45:32 | 81,41  | 536 | 14:50:07 | 80,46  |
| 317 | 14:31:52 | 89,66  | 372 | 14:36:27 | 83,82  | 427 | 14:41:02 | 81,35  | 482 | 14:45:37 | 86,17  | 537 | 14:50:12 | 82,85  |
| 318 | 14:31:57 | 94,54  | 373 | 14:36:32 | 83,74  | 428 | 14:41:07 | 86,90  | 483 | 14:45:42 | 85,98  | 538 | 14:50:17 | 84,06  |
| 319 | 14:32:02 | 96,28  | 374 | 14:36:37 | 81,83  | 429 | 14:41:12 | 88,15  | 484 | 14:45:47 | 85,07  | 539 | 14:50:22 | 86,21  |
| 320 | 14:32:07 | 93,00  | 375 | 14:36:42 | 83,37  | 430 | 14:41:17 | 90,94  | 485 | 14:45:52 | 82,52  | 540 | 14:50:27 | 92,96  |
| 321 | 14:32:12 | 96,57  | 376 | 14:36:47 | 81,58  | 431 | 14:41:22 | 83,08  | 486 | 14:45:57 | 84,75  | 541 | 14:50:32 | 87,60  |
| 322 | 14:32:17 | 98,54  | 377 | 14:36:52 | 89,53  | 432 | 14:41:27 | 92,34  | 487 | 14:46:02 | 85,19  | 542 | 14:50:37 | 84,43  |
| 323 | 14:32:22 | 97,67  | 378 | 14:36:57 | 87,30  | 433 | 14:41:32 | 83,33  | 488 | 14:46:07 | 88,77  | 543 | 14:50:42 | 91,15  |
| 324 | 14:32:27 | 87,49  | 379 | 14:37:02 | 87,84  | 434 | 14:41:37 | 85,29  | 489 | 14:46:12 | 94,53  | 544 | 14:50:47 | 88,33  |
| 325 | 14:32:32 | 96,49  | 380 | 14:37:07 | 88,97  | 435 | 14:41:42 | 81,77  | 490 | 14:46:17 | 93,80  | 545 | 14:50:52 | 84,47  |
| 326 | 14:32:37 | 93,04  | 381 | 14:37:12 | 90,69  | 436 | 14:41:47 | 81,15  | 491 | 14:46:22 | 91,97  | 546 | 14:50:57 | 85,85  |
| 327 | 14:32:42 | 97,20  | 382 | 14:37:17 | 92,01  | 437 | 14:41:52 | 96,92  | 492 | 14:46:27 | 87,73  | 547 | 14:51:02 | 87,34  |
| 328 | 14:32:47 | 98,27  | 383 | 14:37:22 | 91,38  | 438 | 14:41:57 | 94,09  | 493 | 14:46:32 | 87,78  | 548 | 14:51:07 | 89,37  |
| 329 | 14:32:52 | 97,14  | 384 | 14:37:27 | 99,57  | 439 | 14:42:02 | 89,20  | 494 | 14:46:37 | 85,88  | 549 | 14:51:12 | 87,58  |
| 330 | 14:32:57 | 88,88  | 385 | 14:37:32 | 99,54  | 440 | 14:42:07 | 87,03  | 495 | 14:46:42 | 96,79  | 550 | 14:51:17 | 88,03  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 14:51:22 | 92,21  | 606 | 14:55:57 | 82,94  | 661 | 15:00:32 | 81,24  | 716 | 15:05:07 | 88,96  | 771 | 15:09:42 | 81,82  |
| 552 | 14:51:27 | 90,51  | 607 | 14:56:02 | 84,71  | 662 | 15:00:37 | 83,31  | 717 | 15:05:12 | 98,23  | 772 | 15:09:47 | 83,32  |
| 553 | 14:51:32 | 84,07  | 608 | 14:56:07 | 82,91  | 663 | 15:00:42 | 89,27  | 718 | 15:05:17 | 96,20  | 773 | 15:09:52 | 84,73  |
| 554 | 14:51:37 | 82,83  | 609 | 14:56:12 | 85,51  | 664 | 15:00:47 | 84,61  | 719 | 15:05:22 | 87,26  | 774 | 15:09:57 | 86,14  |
| 555 | 14:51:42 | 85,18  | 610 | 14:56:17 | 86,57  | 665 | 15:00:52 | 79,05  | 720 | 15:05:27 | 96,30  | 775 | 15:10:02 | 84,70  |
| 556 | 14:51:47 | 82,27  | 611 | 14:56:22 | 84,44  | 666 | 15:00:57 | 77,47  | 721 | 15:05:32 | 91,02  | 776 | 15:10:07 | 83,44  |
| 557 | 14:51:52 | 81,57  | 612 | 14:56:27 | 80,62  | 667 | 15:01:02 | 82,37  | 722 | 15:05:37 | 89,09  | 777 | 15:10:12 | 84,25  |
| 558 | 14:51:57 | 79,67  | 613 | 14:56:32 | 77,54  | 668 | 15:01:07 | 85,72  | 723 | 15:05:42 | 85,76  | 778 | 15:10:17 | 86,20  |
| 559 | 14:52:02 | 79,77  | 614 | 14:56:37 | 81,67  | 669 | 15:01:12 | 87,23  | 724 | 15:05:47 | 79,09  | 779 | 15:10:22 | 84,30  |
| 560 | 14:52:07 | 88,49  | 615 | 14:56:42 | 90,56  | 670 | 15:01:17 | 87,62  | 725 | 15:05:52 | 69,19  | 780 | 15:10:27 | 84,09  |
| 561 | 14:52:12 | 91,53  | 616 | 14:56:47 | 83,75  | 671 | 15:01:22 | 84,39  | 726 | 15:05:57 | 83,13  | 781 | 15:10:32 | 84,83  |
| 562 | 14:52:17 | 93,56  | 617 | 14:56:52 | 80,62  | 672 | 15:01:27 | 84,27  | 727 | 15:06:02 | 85,14  | 782 | 15:10:37 | 87,88  |
| 563 | 14:52:22 | 90,86  | 618 | 14:56:57 | 84,24  | 673 | 15:01:32 | 86,03  | 728 | 15:06:07 | 78,70  | 783 | 15:10:42 | 92,18  |
| 564 | 14:52:27 | 88,29  | 619 | 14:57:02 | 81,77  | 674 | 15:01:37 | 85,23  | 729 | 15:06:12 | 73,65  | 784 | 15:10:47 | 90,22  |
| 565 | 14:52:32 | 85,35  | 620 | 14:57:07 | 86,44  | 675 | 15:01:42 | 83,66  | 730 | 15:06:17 | 91,34  | 785 | 15:10:52 | 87,51  |
| 566 | 14:52:37 | 82,84  | 621 | 14:57:12 | 85,67  | 676 | 15:01:47 | 86,41  | 731 | 15:06:22 | 89,18  | 786 | 15:10:57 | 81,42  |
| 567 | 14:52:42 | 78,94  | 622 | 14:57:17 | 83,93  | 677 | 15:01:52 | 84,75  | 732 | 15:06:27 | 85,40  | 787 | 15:11:02 | 88,63  |
| 568 | 14:52:47 | 86,82  | 623 | 14:57:22 | 76,53  | 678 | 15:01:57 | 91,46  | 733 | 15:06:32 | 73,52  | 788 | 15:11:07 | 88,88  |
| 569 | 14:52:52 | 91,78  | 624 | 14:57:27 | 80,71  | 679 | 15:02:02 | 90,29  | 734 | 15:06:37 | 89,38  | 789 | 15:11:12 | 81,05  |
| 570 | 14:52:57 | 87,90  | 625 | 14:57:32 | 84,57  | 680 | 15:02:07 | 92,97  | 735 | 15:06:42 | 78,74  | 790 | 15:11:17 | 80,47  |
| 571 | 14:53:02 | 81,37  | 626 | 14:57:37 | 85,98  | 681 | 15:02:12 | 96,06  | 736 | 15:06:47 | 83,40  | 791 | 15:11:22 | 85,52  |
| 572 | 14:53:07 | 97,52  | 627 | 14:57:42 | 81,27  | 682 | 15:02:17 | 90,41  | 737 | 15:06:52 | 86,58  | 792 | 15:11:27 | 84,68  |
| 573 | 14:53:12 | 82,09  | 628 | 14:57:47 | 79,13  | 683 | 15:02:22 | 95,55  | 738 | 15:06:57 | 82,11  | 793 | 15:11:32 | 82,08  |
| 574 | 14:53:17 | 90,25  | 629 | 14:57:52 | 81,85  | 684 | 15:02:27 | 91,58  | 739 | 15:07:02 | 87,56  | 794 | 15:11:37 | 78,49  |
| 575 | 14:53:22 | 85,90  | 630 | 14:57:57 | 80,12  | 685 | 15:02:32 | 82,28  | 740 | 15:07:07 | 71,41  | 795 | 15:11:42 | 68,08  |
| 576 | 14:53:27 | 88,60  | 631 | 14:58:02 | 86,96  | 686 | 15:02:37 | 86,13  | 741 | 15:07:12 | 73,50  | 796 | 15:11:47 | 72,67  |
| 577 | 14:53:32 | 94,58  | 632 | 14:58:07 | 87,97  | 687 | 15:02:42 | 81,48  | 742 | 15:07:17 | 92,27  | 797 | 15:11:52 | 72,81  |
| 578 | 14:53:37 | 96,21  | 633 | 14:58:12 | 88,90  | 688 | 15:02:47 | 79,80  | 743 | 15:07:22 | 93,71  | 798 | 15:11:57 | 75,26  |
| 579 | 14:53:42 | 90,08  | 634 | 14:58:17 | 89,30  | 689 | 15:02:52 | 93,26  | 744 | 15:07:27 | 85,75  | 799 | 15:12:02 | 83,90  |
| 580 | 14:53:47 | 88,92  | 635 | 14:58:22 | 90,99  | 690 | 15:02:57 | 93,52  | 745 | 15:07:32 | 81,71  | 800 | 15:12:07 | 84,28  |
| 581 | 14:53:52 | 87,02  | 636 | 14:58:27 | 88,53  | 691 | 15:03:02 | 96,27  | 746 | 15:07:37 | 70,16  | 801 | 15:12:12 | 86,94  |
| 582 | 14:53:57 | 92,07  | 637 | 14:58:32 | 85,08  | 692 | 15:03:07 | 81,39  | 747 | 15:07:42 | 70,88  | 802 | 15:12:17 | 84,00  |
| 583 | 14:54:02 | 83,48  | 638 | 14:58:37 | 84,53  | 693 | 15:03:12 | 83,73  | 748 | 15:07:47 | 78,57  | 803 | 15:12:22 | 77,65  |
| 584 | 14:54:07 | 80,37  | 639 | 14:58:42 | 87,08  | 694 | 15:03:17 | 93,20  | 749 | 15:07:52 | 83,56  | 804 | 15:12:27 | 77,43  |
| 585 | 14:54:12 | 84,17  | 640 | 14:58:47 | 82,08  | 695 | 15:03:22 | 86,75  | 750 | 15:07:57 | 78,99  | 805 | 15:12:32 | 79,26  |
| 586 | 14:54:17 | 89,72  | 641 | 14:58:52 | 84,37  | 696 | 15:03:27 | 88,50  | 751 | 15:08:02 | 76,54  | 806 | 15:12:37 | 73,49  |
| 587 | 14:54:22 | 78,88  | 642 | 14:58:57 | 83,08  | 697 | 15:03:32 | 96,08  | 752 | 15:08:07 | 78,71  | 807 | 15:12:42 | 74,93  |
| 588 | 14:54:27 | 74,45  | 643 | 14:59:02 | 75,87  | 698 | 15:03:37 | 98,76  | 753 | 15:08:12 | 80,84  | 808 | 15:12:47 | 83,31  |
| 589 | 14:54:32 | 84,11  | 644 | 14:59:07 | 84,42  | 699 | 15:03:42 | 85,53  | 754 | 15:08:17 | 79,40  | 809 | 15:12:52 | 82,71  |
| 590 | 14:54:37 | 82,19  | 645 | 14:59:12 | 85,96  | 700 | 15:03:47 | 98,29  | 755 | 15:08:22 | 82,71  | 810 | 15:12:57 | 79,33  |
| 591 | 14:54:42 | 84,96  | 646 | 14:59:17 | 79,77  | 701 | 15:03:52 | 88,33  | 756 | 15:08:27 | 85,11  | 811 | 15:13:02 | 79,03  |
| 592 | 14:54:47 | 83,52  | 647 | 14:59:22 | 80,61  | 702 | 15:03:57 | 83,30  | 757 | 15:08:32 | 82,67  | 812 | 15:13:07 | 82,02  |
| 593 | 14:54:52 | 86,06  | 648 | 14:59:27 | 78,22  | 703 | 15:04:02 | 83,82  | 758 | 15:08:37 | 87,53  | 813 | 15:13:12 | 76,57  |
| 594 | 14:54:57 | 83,77  | 649 | 14:59:32 | 90,50  | 704 | 15:04:07 | 90,87  | 759 | 15:08:42 | 87,40  | 814 | 15:13:17 | 78,43  |
| 595 | 14:55:02 | 82,46  | 650 | 14:59:37 | 86,35  | 705 | 15:04:12 | 84,42  | 760 | 15:08:47 | 85,42  | 815 | 15:13:22 | 78,73  |
| 596 | 14:55:07 | 85,82  | 651 | 14:59:42 | 87,33  | 706 | 15:04:17 | 83,24  | 761 | 15:08:52 | 83,87  | 816 | 15:13:27 | 87,45  |
| 597 | 14:55:12 | 88,51  | 652 | 14:59:47 | 91,35  | 707 | 15:04:22 | 94,64  | 762 | 15:08:57 | 84,01  | 817 | 15:13:32 | 80,02  |
| 598 | 14:55:17 | 87,46  | 653 | 14:59:52 | 90,06  | 708 | 15:04:27 | 83,07  | 763 | 15:09:02 | 84,41  | 818 | 15:13:37 | 75,65  |
| 599 | 14:55:22 | 90,64  | 654 | 14:59:57 | 84,52  | 709 | 15:04:32 | 92,81  | 764 | 15:09:07 | 79,86  | 819 | 15:13:42 | 79,51  |
| 600 | 14:55:27 | 95,84  | 655 | 15:00:02 | 90,61  | 710 | 15:04:37 | 81,52  | 765 | 15:09:12 | 83,49  | 820 | 15:13:47 | 79,97  |
| 601 | 14:55:32 | 87,12  | 656 | 15:00:07 | 87,98  | 711 | 15:04:42 | 88,69  | 766 | 15:09:17 | 83,74  | 821 | 15:13:52 | 80,98  |
| 602 | 14:55:37 | 94,75  | 657 | 15:00:12 | 85,53  | 712 | 15:04:47 | 96,43  | 767 | 15:09:22 | 83,24  | 822 | 15:13:57 | 80,38  |
| 603 | 14:55:42 | 90,01  | 658 | 15:00:17 | 84,36  | 713 | 15:04:52 | 81,55  | 768 | 15:09:27 | 82,74  | 823 | 15:14:02 | 76,89  |
| 604 | 14:55:47 | 91,28  | 659 | 15:00:22 | 83,81  | 714 | 15:04:57 | 84,44  | 769 | 15:09:32 | 83,49  | 824 | 15:14:07 | 74,11  |
| 605 | 14:55:52 | 87,17  | 660 | 15:00:27 | 84,96  | 715 | 15:05:02 | 86,26  | 770 | 15:09:37 | 83,92  | 825 | 15:14:12 | 84,09  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 15:14:17 | 82,17  | 881 | 15:18:52 | 75,86  | 936 | 15:23:27 | 80,51  | 991  | 15:28:02 | 87,25  | 1046 | 15:32:37 | 91,36  |
| 827 | 15:14:22 | 76,02  | 882 | 15:18:57 | 70,49  | 937 | 15:23:32 | 84,19  | 992  | 15:28:07 | 85,27  | 1047 | 15:32:42 | 82,92  |
| 828 | 15:14:27 | 85,44  | 883 | 15:19:02 | 79,84  | 938 | 15:23:37 | 82,00  | 993  | 15:28:12 | 83,05  | 1048 | 15:32:47 | 88,02  |
| 829 | 15:14:32 | 81,52  | 884 | 15:19:07 | 85,74  | 939 | 15:23:42 | 77,05  | 994  | 15:28:17 | 80,16  | 1049 | 15:32:52 | 86,69  |
| 830 | 15:14:37 | 73,71  | 885 | 15:19:12 | 85,92  | 940 | 15:23:47 | 78,10  | 995  | 15:28:22 | 84,01  | 1050 | 15:32:57 | 87,28  |
| 831 | 15:14:42 | 81,39  | 886 | 15:19:17 | 82,13  | 941 | 15:23:52 | 76,16  | 996  | 15:28:27 | 82,39  | 1051 | 15:33:02 | 84,75  |
| 832 | 15:14:47 | 80,49  | 887 | 15:19:22 | 80,63  | 942 | 15:23:57 | 72,21  | 997  | 15:28:32 | 84,58  | 1052 | 15:33:07 | 97,13  |
| 833 | 15:14:52 | 80,16  | 888 | 15:19:27 | 90,23  | 943 | 15:24:02 | 78,02  | 998  | 15:28:37 | 86,76  | 1053 | 15:33:12 | 89,83  |
| 834 | 15:14:57 | 78,52  | 889 | 15:19:32 | 85,52  | 944 | 15:24:07 | 82,08  | 999  | 15:28:42 | 82,04  | 1054 | 15:33:17 | 88,11  |
| 835 | 15:15:02 | 77,77  | 890 | 15:19:37 | 81,24  | 945 | 15:24:12 | 80,35  | 1000 | 15:28:47 | 83,05  | 1055 | 15:33:22 | 84,32  |
| 836 | 15:15:07 | 80,91  | 891 | 15:19:42 | 78,50  | 946 | 15:24:17 | 83,03  | 1001 | 15:28:52 | 76,69  | 1056 | 15:33:27 | 82,25  |
| 837 | 15:15:12 | 79,99  | 892 | 15:19:47 | 83,71  | 947 | 15:24:22 | 94,10  | 1002 | 15:28:57 | 78,49  | 1057 | 15:33:32 | 80,43  |
| 838 | 15:15:17 | 80,45  | 893 | 15:19:52 | 79,96  | 948 | 15:24:27 | 91,97  | 1003 | 15:29:02 | 78,58  | 1058 | 15:33:37 | 77,74  |
| 839 | 15:15:22 | 75,38  | 894 | 15:19:57 | 77,82  | 949 | 15:24:32 | 88,76  | 1004 | 15:29:07 | 80,63  | 1059 | 15:33:42 | 85,31  |
| 840 | 15:15:27 | 76,13  | 895 | 15:20:02 | 84,42  | 950 | 15:24:37 | 90,76  | 1005 | 15:29:12 | 81,96  | 1060 | 15:33:47 | 81,52  |
| 841 | 15:15:32 | 85,67  | 896 | 15:20:07 | 81,64  | 951 | 15:24:42 | 87,42  | 1006 | 15:29:17 | 91,96  | 1061 | 15:33:52 | 82,19  |
| 842 | 15:15:37 | 84,89  | 897 | 15:20:12 | 88,99  | 952 | 15:24:47 | 82,57  | 1007 | 15:29:22 | 87,09  | 1062 | 15:33:57 | 87,88  |
| 843 | 15:15:42 | 82,55  | 898 | 15:20:17 | 83,51  | 953 | 15:24:52 | 82,06  | 1008 | 15:29:27 | 89,31  | 1063 | 15:34:02 | 88,49  |
| 844 | 15:15:47 | 76,84  | 899 | 15:20:22 | 83,09  | 954 | 15:24:57 | 83,11  | 1009 | 15:29:32 | 88,16  | 1064 | 15:34:07 | 80,64  |
| 845 | 15:15:52 | 76,18  | 900 | 15:20:27 | 84,92  | 955 | 15:25:02 | 84,12  | 1010 | 15:29:37 | 88,81  | 1065 | 15:34:12 | 81,89  |
| 846 | 15:15:57 | 76,51  | 901 | 15:20:32 | 75,17  | 956 | 15:25:07 | 87,91  | 1011 | 15:29:42 | 79,73  | 1066 | 15:34:17 | 80,20  |
| 847 | 15:16:02 | 84,51  | 902 | 15:20:37 | 72,07  | 957 | 15:25:12 | 86,95  | 1012 | 15:29:47 | 78,59  | 1067 | 15:34:22 | 81,38  |
| 848 | 15:16:07 | 88,21  | 903 | 15:20:42 | 69,09  | 958 | 15:25:17 | 87,49  | 1013 | 15:29:52 | 85,83  | 1068 | 15:34:27 | 83,90  |
| 849 | 15:16:12 | 78,32  | 904 | 15:20:47 | 72,84  | 959 | 15:25:22 | 88,16  | 1014 | 15:29:57 | 84,74  | 1069 | 15:34:32 | 81,72  |
| 850 | 15:16:17 | 81,00  | 905 | 15:20:52 | 74,23  | 960 | 15:25:27 | 89,98  | 1015 | 15:30:02 | 85,50  | 1070 | 15:34:37 | 78,00  |
| 851 | 15:16:22 | 82,43  | 906 | 15:20:57 | 76,58  | 961 | 15:25:32 | 90,76  | 1016 | 15:30:07 | 88,68  | 1071 | 15:34:42 | 80,54  |
| 852 | 15:16:27 | 76,79  | 907 | 15:21:02 | 77,89  | 962 | 15:25:37 | 88,97  | 1017 | 15:30:12 | 88,91  | 1072 | 15:34:47 | 77,71  |
| 853 | 15:16:32 | 77,03  | 908 | 15:21:07 | 77,60  | 963 | 15:25:42 | 88,16  | 1018 | 15:30:17 | 85,18  | 1073 | 15:34:52 | 78,92  |
| 854 | 15:16:37 | 77,10  | 909 | 15:21:12 | 83,87  | 964 | 15:25:47 | 87,65  | 1019 | 15:30:22 | 88,55  | 1074 | 15:34:57 | 78,73  |
| 855 | 15:16:42 | 77,47  | 910 | 15:21:17 | 81,82  | 965 | 15:25:52 | 88,04  | 1020 | 15:30:27 | 93,88  | 1075 | 15:35:02 | 75,88  |
| 856 | 15:16:47 | 81,34  | 911 | 15:21:22 | 91,28  | 966 | 15:25:57 | 89,92  | 1021 | 15:30:32 | 84,04  | 1076 | 15:35:07 | 79,56  |
| 857 | 15:16:52 | 85,88  | 912 | 15:21:27 | 78,88  | 967 | 15:26:02 | 97,73  | 1022 | 15:30:37 | 84,65  | 1077 | 15:35:12 | 82,84  |
| 858 | 15:16:57 | 86,20  | 913 | 15:21:32 | 74,95  | 968 | 15:26:07 | 92,91  | 1023 | 15:30:42 | 83,22  | 1078 | 15:35:17 | 85,65  |
| 859 | 15:17:02 | 85,94  | 914 | 15:21:37 | 70,34  | 969 | 15:26:12 | 94,19  | 1024 | 15:30:47 | 80,65  | 1079 | 15:35:22 | 80,33  |
| 860 | 15:17:07 | 80,59  | 915 | 15:21:42 | 73,29  | 970 | 15:26:17 | 89,81  | 1025 | 15:30:52 | 89,08  | 1080 | 15:35:27 | 80,23  |
| 861 | 15:17:12 | 78,67  | 916 | 15:21:47 | 86,06  | 971 | 15:26:22 | 89,59  | 1026 | 15:30:57 | 88,75  | 1081 | 15:35:32 | 77,76  |
| 862 | 15:17:17 | 83,29  | 917 | 15:21:52 | 81,15  | 972 | 15:26:27 | 91,80  | 1027 | 15:31:02 | 88,24  | 1082 | 15:35:37 | 80,00  |
| 863 | 15:17:22 | 89,15  | 918 | 15:21:57 | 79,96  | 973 | 15:26:32 | 92,71  | 1028 | 15:31:07 | 86,82  | 1083 | 15:35:42 | 89,82  |
| 864 | 15:17:27 | 85,88  | 919 | 15:22:02 | 87,75  | 974 | 15:26:37 | 91,64  | 1029 | 15:31:12 | 82,60  | 1084 | 15:35:47 | 94,56  |
| 865 | 15:17:32 | 80,28  | 920 | 15:22:07 | 82,43  | 975 | 15:26:42 | 86,68  | 1030 | 15:31:17 | 86,83  | 1085 | 15:35:52 | 93,41  |
| 866 | 15:17:37 | 80,83  | 921 | 15:22:12 | 81,23  | 976 | 15:26:47 | 86,08  | 1031 | 15:31:22 | 84,66  | 1086 | 15:35:57 | 93,92  |
| 867 | 15:17:42 | 79,01  | 922 | 15:22:17 | 81,94  | 977 | 15:26:52 | 84,36  | 1032 | 15:31:27 | 90,38  | 1087 | 15:36:02 | 82,15  |
| 868 | 15:17:47 | 87,17  | 923 | 15:22:22 | 79,02  | 978 | 15:26:57 | 85,27  | 1033 | 15:31:32 | 85,75  | 1088 | 15:36:07 | 84,94  |
| 869 | 15:17:52 | 85,43  | 924 | 15:22:27 | 77,32  | 979 | 15:27:02 | 83,97  | 1034 | 15:31:37 | 90,33  | 1089 | 15:36:12 | 85,20  |
| 870 | 15:17:57 | 80,39  | 925 | 15:22:32 | 80,51  | 980 | 15:27:07 | 81,14  | 1035 | 15:31:42 | 89,06  | 1090 | 15:36:17 | 85,12  |
| 871 | 15:18:02 | 81,39  | 926 | 15:22:37 | 80,53  | 981 | 15:27:12 | 79,56  | 1036 | 15:31:47 | 83,44  | 1091 | 15:36:22 | 84,95  |
| 872 | 15:18:07 | 83,02  | 927 | 15:22:42 | 79,86  | 982 | 15:27:17 | 87,16  | 1037 | 15:31:52 | 88,86  | 1092 | 15:36:27 | 81,08  |
| 873 | 15:18:12 | 72,11  | 928 | 15:22:47 | 76,69  | 983 | 15:27:22 | 81,58  | 1038 | 15:31:57 | 78,60  | 1093 | 15:36:32 | 84,75  |
| 874 | 15:18:17 | 69,96  | 929 | 15:22:52 | 79,07  | 984 | 15:27:27 | 82,51  | 1039 | 15:32:02 | 87,64  | 1094 | 15:36:37 | 92,61  |
| 875 | 15:18:22 | 70,20  | 930 | 15:22:57 | 80,47  | 985 | 15:27:32 | 79,77  | 1040 | 15:32:07 | 91,20  | 1095 | 15:36:42 | 88,25  |
| 876 | 15:18:27 | 70,01  | 931 | 15:23:02 | 76,51  | 986 | 15:27:37 | 82,78  | 1041 | 15:32:12 | 89,15  | 1096 | 15:36:47 | 84,04  |
| 877 | 15:18:32 | 76,66  | 932 | 15:23:07 | 92,47  | 987 | 15:27:42 | 83,76  | 1042 | 15:32:17 | 88,88  | 1097 | 15:36:52 | 82,82  |
| 878 | 15:18:37 | 74,14  | 933 | 15:23:12 | 80,40  | 988 | 15:27:47 | 85,85  | 1043 | 15:32:22 | 81,62  | 1098 | 15:36:57 | 84,61  |
| 879 | 15:18:42 | 78,04  | 934 | 15:23:17 | 80,90  | 989 | 15:27:52 | 83,58  | 1044 | 15:32:27 | 82,14  | 1099 | 15:37:02 | 86,36  |
| 880 | 15:18:47 | 87,10  | 935 | 15:23:22 | 76,33  | 990 | 15:27:57 | 85,97  | 1045 | 15:32:32 | 99,63  | 1100 | 15:37:07 | 85,69  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 15:37:12 | 88,30  | 1156 | 15:41:47 | 79,29  | 1211 | 15:46:22 | 73,57  | 1266 | 15:50:57 | 90,42  | 1321 | 15:55:32 | 80,40  |
| 1102 | 15:37:17 | 89,78  | 1157 | 15:41:52 | 72,15  | 1212 | 15:46:27 | 85,74  | 1267 | 15:51:02 | 90,45  | 1322 | 15:55:37 | 78,74  |
| 1103 | 15:37:22 | 89,44  | 1158 | 15:41:57 | 80,77  | 1213 | 15:46:32 | 78,32  | 1268 | 15:51:07 | 91,73  | 1323 | 15:55:42 | 81,92  |
| 1104 | 15:37:27 | 89,94  | 1159 | 15:42:02 | 80,51  | 1214 | 15:46:37 | 76,35  | 1269 | 15:51:12 | 90,62  | 1324 | 15:55:47 | 89,00  |
| 1105 | 15:37:32 | 87,90  | 1160 | 15:42:07 | 79,36  | 1215 | 15:46:42 | 74,67  | 1270 | 15:51:17 | 88,45  | 1325 | 15:55:52 | 89,53  |
| 1106 | 15:37:37 | 86,86  | 1161 | 15:42:12 | 75,82  | 1216 | 15:46:47 | 71,43  | 1271 | 15:51:22 | 85,76  | 1326 | 15:55:57 | 81,48  |
| 1107 | 15:37:42 | 89,99  | 1162 | 15:42:17 | 72,89  | 1217 | 15:46:52 | 70,63  | 1272 | 15:51:27 | 89,13  | 1327 | 15:56:02 | 78,31  |
| 1108 | 15:37:47 | 85,30  | 1163 | 15:42:22 | 71,06  | 1218 | 15:46:57 | 79,97  | 1273 | 15:51:32 | 97,66  | 1328 | 15:56:07 | 75,92  |
| 1109 | 15:37:52 | 88,67  | 1164 | 15:42:27 | 75,95  | 1219 | 15:47:02 | 85,32  | 1274 | 15:51:37 | 89,20  | 1329 | 15:56:12 | 83,65  |
| 1110 | 15:37:57 | 90,84  | 1165 | 15:42:32 | 77,47  | 1220 | 15:47:07 | 87,80  | 1275 | 15:51:42 | 95,40  | 1330 | 15:56:17 | 82,34  |
| 1111 | 15:38:02 | 86,28  | 1166 | 15:42:37 | 81,56  | 1221 | 15:47:12 | 87,28  | 1276 | 15:51:47 | 84,70  | 1331 | 15:56:22 | 87,16  |
| 1112 | 15:38:07 | 93,49  | 1167 | 15:42:42 | 81,83  | 1222 | 15:47:17 | 79,42  | 1277 | 15:51:52 | 87,54  | 1332 | 15:56:27 | 84,23  |
| 1113 | 15:38:12 | 97,72  | 1168 | 15:42:47 | 76,83  | 1223 | 15:47:22 | 79,13  | 1278 | 15:51:57 | 86,86  | 1333 | 15:56:32 | 84,45  |
| 1114 | 15:38:17 | 93,72  | 1169 | 15:42:52 | 81,07  | 1224 | 15:47:27 | 90,04  | 1279 | 15:52:02 | 79,52  | 1334 | 15:56:37 | 83,52  |
| 1115 | 15:38:22 | 86,34  | 1170 | 15:42:57 | 84,20  | 1225 | 15:47:32 | 91,38  | 1280 | 15:52:07 | 89,55  | 1335 | 15:56:42 | 86,75  |
| 1116 | 15:38:27 | 83,22  | 1171 | 15:43:02 | 88,46  | 1226 | 15:47:37 | 93,06  | 1281 | 15:52:12 | 89,62  | 1336 | 15:56:47 | 79,92  |
| 1117 | 15:38:32 | 75,77  | 1172 | 15:43:07 | 90,06  | 1227 | 15:47:42 | 93,62  | 1282 | 15:52:17 | 93,61  | 1337 | 15:56:52 | 78,46  |
| 1118 | 15:38:37 | 77,65  | 1173 | 15:43:12 | 88,98  | 1228 | 15:47:47 | 86,39  | 1283 | 15:52:22 | 91,20  | 1338 | 15:56:57 | 82,75  |
| 1119 | 15:38:42 | 82,79  | 1174 | 15:43:17 | 88,47  | 1229 | 15:47:52 | 94,65  | 1284 | 15:52:27 | 92,07  | 1339 | 15:57:02 | 78,94  |
| 1120 | 15:38:47 | 94,33  | 1175 | 15:43:22 | 83,13  | 1230 | 15:47:57 | 90,44  | 1285 | 15:52:32 | 88,69  | 1340 | 15:57:07 | 81,75  |
| 1121 | 15:38:52 | 90,73  | 1176 | 15:43:27 | 79,09  | 1231 | 15:48:02 | 78,54  | 1286 | 15:52:37 | 87,15  | 1341 | 15:57:12 | 81,35  |
| 1122 | 15:38:57 | 91,02  | 1177 | 15:43:32 | 81,33  | 1232 | 15:48:07 | 78,51  | 1287 | 15:52:42 | 84,82  | 1342 | 15:57:17 | 87,19  |
| 1123 | 15:39:02 | 97,53  | 1178 | 15:43:37 | 76,99  | 1233 | 15:48:12 | 87,65  | 1288 | 15:52:47 | 87,65  | 1343 | 15:57:22 | 81,49  |
| 1124 | 15:39:07 | 92,71  | 1179 | 15:43:42 | 69,67  | 1234 | 15:48:17 | 88,93  | 1289 | 15:52:52 | 87,60  | 1344 | 15:57:27 | 85,68  |
| 1125 | 15:39:12 | 90,50  | 1180 | 15:43:47 | 68,02  | 1235 | 15:48:22 | 90,80  | 1290 | 15:52:57 | 83,65  | 1345 | 15:57:32 | 79,80  |
| 1126 | 15:39:17 | 83,07  | 1181 | 15:43:52 | 79,05  | 1236 | 15:48:27 | 92,25  | 1291 | 15:53:02 | 79,47  | 1346 | 15:57:37 | 82,19  |
| 1127 | 15:39:22 | 80,60  | 1182 | 15:43:57 | 85,27  | 1237 | 15:48:32 | 89,49  | 1292 | 15:53:07 | 79,11  | 1347 | 15:57:42 | 89,32  |
| 1128 | 15:39:27 | 75,59  | 1183 | 15:44:02 | 82,90  | 1238 | 15:48:37 | 85,83  | 1293 | 15:53:12 | 73,44  | 1348 | 15:57:47 | 86,36  |
| 1129 | 15:39:32 | 84,65  | 1184 | 15:44:07 | 93,58  | 1239 | 15:48:42 | 92,53  | 1294 | 15:53:17 | 91,91  | 1349 | 15:57:52 | 81,03  |
| 1130 | 15:39:37 | 80,84  | 1185 | 15:44:12 | 90,17  | 1240 | 15:48:47 | 89,16  | 1295 | 15:53:22 | 93,38  | 1350 | 15:57:57 | 70,67  |
| 1131 | 15:39:42 | 77,81  | 1186 | 15:44:17 | 94,74  | 1241 | 15:48:52 | 90,15  | 1296 | 15:53:27 | 89,81  | 1351 | 15:58:02 | 75,51  |
| 1132 | 15:39:47 | 77,80  | 1187 | 15:44:22 | 94,29  | 1242 | 15:48:57 | 91,71  | 1297 | 15:53:32 | 88,43  | 1352 | 15:58:07 | 84,75  |
| 1133 | 15:39:52 | 78,61  | 1188 | 15:44:27 | 92,71  | 1243 | 15:49:02 | 86,65  | 1298 | 15:53:37 | 85,15  | 1353 | 15:58:12 | 81,69  |
| 1134 | 15:39:57 | 91,29  | 1189 | 15:44:32 | 81,56  | 1244 | 15:49:07 | 93,91  | 1299 | 15:53:42 | 80,99  | 1354 | 15:58:17 | 78,61  |
| 1135 | 15:40:02 | 91,81  | 1190 | 15:44:37 | 83,42  | 1245 | 15:49:12 | 96,87  | 1300 | 15:53:47 | 95,23  | 1355 | 15:58:22 | 80,42  |
| 1136 | 15:40:07 | 92,37  | 1191 | 15:44:42 | 87,12  | 1246 | 15:49:17 | 96,63  | 1301 | 15:53:52 | 90,92  | 1356 | 15:58:27 | 82,74  |
| 1137 | 15:40:12 | 93,08  | 1192 | 15:44:47 | 76,84  | 1247 | 15:49:22 | 95,66  | 1302 | 15:53:57 | 83,92  | 1357 | 15:58:32 | 86,36  |
| 1138 | 15:40:17 | 96,31  | 1193 | 15:44:52 | 73,48  | 1248 | 15:49:27 | 97,55  | 1303 | 15:54:02 | 83,23  | 1358 | 15:58:37 | 78,25  |
| 1139 | 15:40:22 | 95,15  | 1194 | 15:44:57 | 77,20  | 1249 | 15:49:32 | 89,13  | 1304 | 15:54:07 | 87,01  | 1359 | 15:58:42 | 78,74  |
| 1140 | 15:40:27 | 86,38  | 1195 | 15:45:02 | 74,43  | 1250 | 15:49:37 | 85,14  | 1305 | 15:54:12 | 88,55  | 1360 | 15:58:47 | 78,44  |
| 1141 | 15:40:32 | 84,02  | 1196 | 15:45:07 | 79,76  | 1251 | 15:49:42 | 85,75  | 1306 | 15:54:17 | 88,34  | 1361 | 15:58:52 | 86,13  |
| 1142 | 15:40:37 | 90,05  | 1197 | 15:45:12 | 85,21  | 1252 | 15:49:47 | 83,88  | 1307 | 15:54:22 | 94,42  | 1362 | 15:58:57 | 86,95  |
| 1143 | 15:40:42 | 88,04  | 1198 | 15:45:17 | 81,26  | 1253 | 15:49:52 | 84,24  | 1308 | 15:54:27 | 91,82  | 1363 | 15:59:02 | 81,78  |
| 1144 | 15:40:47 | 88,63  | 1199 | 15:45:22 | 84,70  | 1254 | 15:49:57 | 84,33  | 1309 | 15:54:32 | 88,03  | 1364 | 15:59:07 | 81,99  |
| 1145 | 15:40:52 | 82,21  | 1200 | 15:45:27 | 76,19  | 1255 | 15:50:02 | 86,87  | 1310 | 15:54:37 | 85,83  | 1365 | 15:59:12 | 81,47  |
| 1146 | 15:40:57 | 81,39  | 1201 | 15:45:32 | 73,92  | 1256 | 15:50:07 | 94,40  | 1311 | 15:54:42 | 82,11  | 1366 | 15:59:17 | 90,01  |
| 1147 | 15:41:02 | 79,78  | 1202 | 15:45:37 | 76,75  | 1257 | 15:50:12 | 89,38  | 1312 | 15:54:47 | 92,27  | 1367 | 15:59:22 | 78,63  |
| 1148 | 15:41:07 | 77,16  | 1203 | 15:45:42 | 80,56  | 1258 | 15:50:17 | 92,04  | 1313 | 15:54:52 | 89,07  | 1368 | 15:59:27 | 80,49  |
| 1149 | 15:41:12 | 78,53  | 1204 | 15:45:47 | 74,50  | 1259 | 15:50:22 | 91,35  | 1314 | 15:54:57 | 90,99  | 1369 | 15:59:32 | 84,98  |
| 1150 | 15:41:17 | 80,63  | 1205 | 15:45:52 | 73,85  | 1260 | 15:50:27 | 102,40 | 1315 | 15:55:02 | 90,81  | 1370 | 15:59:37 | 87,53  |
| 1151 | 15:41:22 | 78,08  | 1206 | 15:45:57 | 95,63  | 1261 | 15:50:32 | 90,90  | 1316 | 15:55:07 | 94,44  | 1371 | 15:59:42 | 90,37  |
| 1152 | 15:41:27 | 81,07  | 1207 | 15:46:02 | 93,23  | 1262 | 15:50:37 | 87,43  | 1317 | 15:55:12 | 91,60  | 1372 | 15:59:47 | 88,50  |
| 1153 | 15:41:32 | 81,37  | 1208 | 15:46:07 | 90,99  | 1263 | 15:50:42 | 94,97  | 1318 | 15:55:17 | 79,66  | 1373 | 15:59:52 | 87,90  |
| 1154 | 15:41:37 | 87,84  | 1209 | 15:46:12 | 77,70  | 1264 | 15:50:47 | 86,69  | 1319 | 15:55:22 | 83,27  | 1374 | 15:59:57 | 92,64  |
| 1155 | 15:41:42 | 87,19  | 1210 | 15:46:17 | 64,94  | 1265 | 15:50:52 | 87,78  | 1320 | 15:55:27 | 84,25  | 1375 | 16:00:02 | 85,80  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1376 | 16:00:07 | 88,45  | 1431 | 16:04:42 | 81,33  | 1486 | 16:09:17 | 85,47  | 1541 | 16:13:52 | 81,12  | 1596 | 16:18:27 | 79,07  |
| 1377 | 16:00:12 | 84,53  | 1432 | 16:04:47 | 78,80  | 1487 | 16:09:22 | 77,37  | 1542 | 16:13:57 | 83,97  | 1597 | 16:18:32 | 63,59  |
| 1378 | 16:00:17 | 89,54  | 1433 | 16:04:52 | 77,92  | 1488 | 16:09:27 | 71,30  | 1543 | 16:14:02 | 82,86  | 1598 | 16:18:37 | 62,55  |
| 1379 | 16:00:22 | 85,28  | 1434 | 16:04:57 | 77,16  | 1489 | 16:09:32 | 72,14  | 1544 | 16:14:07 | 84,35  | 1599 | 16:18:42 | 60,16  |
| 1380 | 16:00:27 | 82,64  | 1435 | 16:05:02 | 73,56  | 1490 | 16:09:37 | 72,22  | 1545 | 16:14:12 | 83,22  | 1600 | 16:18:47 | 58,65  |
| 1381 | 16:00:32 | 77,06  | 1436 | 16:05:07 | 73,00  | 1491 | 16:09:42 | 77,24  | 1546 | 16:14:17 | 77,67  | 1601 | 16:18:52 | 66,09  |
| 1382 | 16:00:37 | 80,16  | 1437 | 16:05:12 | 74,70  | 1492 | 16:09:47 | 76,93  | 1547 | 16:14:22 | 80,01  | 1602 | 16:18:57 | 63,34  |
| 1383 | 16:00:42 | 75,91  | 1438 | 16:05:17 | 77,89  | 1493 | 16:09:52 | 81,48  | 1548 | 16:14:27 | 78,33  | 1603 | 16:19:02 | 59,92  |
| 1384 | 16:00:47 | 72,94  | 1439 | 16:05:22 | 76,96  | 1494 | 16:09:57 | 80,62  | 1549 | 16:14:32 | 78,38  | 1604 | 16:19:07 | 66,41  |
| 1385 | 16:00:52 | 76,21  | 1440 | 16:05:27 | 72,91  | 1495 | 16:10:02 | 70,10  | 1550 | 16:14:37 | 75,67  | 1605 | 16:19:12 | 57,88  |
| 1386 | 16:00:57 | 86,97  | 1441 | 16:05:32 | 77,09  | 1496 | 16:10:07 | 70,49  | 1551 | 16:14:42 | 80,97  | 1606 | 16:19:17 | 46,16  |
| 1387 | 16:01:02 | 82,56  | 1442 | 16:05:37 | 79,83  | 1497 | 16:10:12 | 74,49  | 1552 | 16:14:47 | 78,93  | 1607 | 16:19:22 | 52,90  |
| 1388 | 16:01:07 | 78,05  | 1443 | 16:05:42 | 81,11  | 1498 | 16:10:17 | 71,00  | 1553 | 16:14:52 | 80,08  | 1608 | 16:19:27 | 66,16  |
| 1389 | 16:01:12 | 73,98  | 1444 | 16:05:47 | 83,26  | 1499 | 16:10:22 | 60,49  | 1554 | 16:14:57 | 74,69  | 1609 | 16:19:32 | 66,59  |
| 1390 | 16:01:17 | 82,11  | 1445 | 16:05:52 | 87,11  | 1500 | 16:10:27 | 61,34  | 1555 | 16:15:02 | 75,78  | 1610 | 16:19:37 | 68,75  |
| 1391 | 16:01:22 | 75,75  | 1446 | 16:05:57 | 87,21  | 1501 | 16:10:32 | 63,25  | 1556 | 16:15:07 | 77,52  | 1611 | 16:19:42 | 70,55  |
| 1392 | 16:01:27 | 91,92  | 1447 | 16:06:02 | 80,38  | 1502 | 16:10:37 | 67,78  | 1557 | 16:15:12 | 81,41  | 1612 | 16:19:47 | 64,43  |
| 1393 | 16:01:32 | 88,87  | 1448 | 16:06:07 | 82,23  | 1503 | 16:10:42 | 67,24  | 1558 | 16:15:17 | 75,22  | 1613 | 16:19:52 | 59,05  |
| 1394 | 16:01:37 | 79,99  | 1449 | 16:06:12 | 82,15  | 1504 | 16:10:47 | 71,97  | 1559 | 16:15:22 | 74,77  | 1614 | 16:19:57 | 52,19  |
| 1395 | 16:01:42 | 79,66  | 1450 | 16:06:17 | 81,65  | 1505 | 16:10:52 | 66,04  | 1560 | 16:15:27 | 79,96  | 1615 | 16:20:02 | 64,81  |
| 1396 | 16:01:47 | 80,28  | 1451 | 16:06:22 | 84,46  | 1506 | 16:10:57 | 73,49  | 1561 | 16:15:32 | 77,84  | 1616 | 16:20:07 | 62,49  |
| 1397 | 16:01:52 | 79,78  | 1452 | 16:06:27 | 80,52  | 1507 | 16:11:02 | 76,85  | 1562 | 16:15:37 | 69,09  | 1617 | 16:20:12 | 46,69  |
| 1398 | 16:01:57 | 76,68  | 1453 | 16:06:32 | 81,12  | 1508 | 16:11:07 | 73,06  | 1563 | 16:15:42 | 62,58  | 1618 | 16:20:17 | 47,75  |
| 1399 | 16:02:02 | 75,75  | 1454 | 16:06:37 | 80,87  | 1509 | 16:11:12 | 67,61  | 1564 | 16:15:47 | 59,55  | 1619 | 16:20:22 | 64,24  |
| 1400 | 16:02:07 | 78,01  | 1455 | 16:06:42 | 82,03  | 1510 | 16:11:17 | 75,54  | 1565 | 16:15:52 | 58,13  | 1620 | 16:20:27 | 52,05  |
| 1401 | 16:02:12 | 80,29  | 1456 | 16:06:47 | 80,75  | 1511 | 16:11:22 | 71,93  | 1566 | 16:15:57 | 63,23  | 1621 | 16:20:32 | 63,91  |
| 1402 | 16:02:17 | 81,11  | 1457 | 16:06:52 | 82,02  | 1512 | 16:11:27 | 75,96  | 1567 | 16:16:02 | 65,46  | 1622 | 16:20:37 | 68,80  |
| 1403 | 16:02:22 | 83,12  | 1458 | 16:06:57 | 78,99  | 1513 | 16:11:32 | 91,75  | 1568 | 16:16:07 | 61,44  | 1623 | 16:20:42 | 60,03  |
| 1404 | 16:02:27 | 82,36  | 1459 | 16:07:02 | 80,26  | 1514 | 16:11:37 | 90,44  | 1569 | 16:16:12 | 65,58  | 1624 | 16:20:47 | 53,62  |
| 1405 | 16:02:32 | 91,53  | 1460 | 16:07:07 | 76,08  | 1515 | 16:11:42 | 86,74  | 1570 | 16:16:17 | 64,30  | 1625 | 16:20:52 | 60,63  |
| 1406 | 16:02:37 | 82,04  | 1461 | 16:07:12 | 78,93  | 1516 | 16:11:47 | 79,65  | 1571 | 16:16:22 | 59,52  | 1626 | 16:20:57 | 55,00  |
| 1407 | 16:02:42 | 88,03  | 1462 | 16:07:17 | 77,71  | 1517 | 16:11:52 | 79,88  | 1572 | 16:16:27 | 75,32  | 1627 | 16:21:02 | 57,78  |
| 1408 | 16:02:47 | 93,09  | 1463 | 16:07:22 | 96,48  | 1518 | 16:11:57 | 71,88  | 1573 | 16:16:32 | 77,07  | 1628 | 16:21:07 | 49,55  |
| 1409 | 16:02:52 | 89,35  | 1464 | 16:07:27 | 87,25  | 1519 | 16:12:02 | 71,38  | 1574 | 16:16:37 | 70,70  | 1629 | 16:21:12 | 49,62  |
| 1410 | 16:02:57 | 83,08  | 1465 | 16:07:32 | 78,58  | 1520 | 16:12:07 | 72,06  | 1575 | 16:16:42 | 76,89  | 1630 | 16:21:17 | 50,80  |
| 1411 | 16:03:02 | 74,67  | 1466 | 16:07:37 | 87,70  | 1521 | 16:12:12 | 73,64  | 1576 | 16:16:47 | 72,22  | 1631 | 16:21:22 | 51,11  |
| 1412 | 16:03:07 | 80,95  | 1467 | 16:07:42 | 89,93  | 1522 | 16:12:17 | 76,02  | 1577 | 16:16:52 | 65,80  | 1632 | 16:21:27 | 51,11  |
| 1413 | 16:03:12 | 84,80  | 1468 | 16:07:47 | 85,43  | 1523 | 16:12:22 | 71,77  | 1578 | 16:16:57 | 69,67  | 1633 | 16:21:32 | 56,65  |
| 1414 | 16:03:17 | 77,86  | 1469 | 16:07:52 | 96,73  | 1524 | 16:12:27 | 75,43  | 1579 | 16:17:02 | 64,69  | 1634 | 16:21:37 | 51,90  |
| 1415 | 16:03:22 | 83,34  | 1470 | 16:07:57 | 90,46  | 1525 | 16:12:32 | 89,41  | 1580 | 16:17:07 | 59,60  | 1635 | 16:21:42 | 58,92  |
| 1416 | 16:03:27 | 76,81  | 1471 | 16:08:02 | 83,95  | 1526 | 16:12:37 | 75,07  | 1581 | 16:17:12 | 71,02  | 1636 | 16:21:47 | 68,47  |
| 1417 | 16:03:32 | 75,90  | 1472 | 16:08:07 | 83,01  | 1527 | 16:12:42 | 68,36  | 1582 | 16:17:17 | 78,24  | 1637 | 16:21:52 | 59,87  |
| 1418 | 16:03:37 | 77,29  | 1473 | 16:08:12 | 79,35  | 1528 | 16:12:47 | 68,93  | 1583 | 16:17:22 | 70,74  | 1638 | 16:21:57 | 50,04  |
| 1419 | 16:03:42 | 81,43  | 1474 | 16:08:17 | 92,72  | 1529 | 16:12:52 | 82,65  | 1584 | 16:17:27 | 78,76  | 1639 | 16:22:02 | 50,40  |
| 1420 | 16:03:47 | 92,20  | 1475 | 16:08:22 | 86,73  | 1530 | 16:12:57 | 86,01  | 1585 | 16:17:32 | 68,36  | 1640 | 16:22:07 | 49,40  |
| 1421 | 16:03:52 | 84,54  | 1476 | 16:08:27 | 88,33  | 1531 | 16:13:02 | 86,68  | 1586 | 16:17:37 | 71,00  | 1641 | 16:22:12 | 52,27  |
| 1422 | 16:03:57 | 88,41  | 1477 | 16:08:32 | 77,88  | 1532 | 16:13:07 | 83,45  | 1587 | 16:17:42 | 76,95  | 1642 | 16:22:17 | 49,77  |
| 1423 | 16:04:02 | 88,85  | 1478 | 16:08:37 | 69,52  | 1533 | 16:13:12 | 86,65  | 1588 | 16:17:47 | 82,70  | 1643 | 16:22:22 | 52,75  |
| 1424 | 16:04:07 | 84,42  | 1479 | 16:08:42 | 76,13  | 1534 | 16:13:17 | 81,22  | 1589 | 16:17:52 | 75,25  | 1644 | 16:22:27 | 51,46  |
| 1425 | 16:04:12 | 81,39  | 1480 | 16:08:47 | 73,03  | 1535 | 16:13:22 | 76,97  | 1590 | 16:17:57 | 66,32  | 1645 | 16:22:32 | 62,60  |
| 1426 | 16:04:17 | 76,09  | 1481 | 16:08:52 | 67,39  | 1536 | 16:13:27 | 84,67  | 1591 | 16:18:02 | 72,49  | 1646 | 16:22:37 | 49,79  |
| 1427 | 16:04:22 | 76,97  | 1482 | 16:08:57 | 70,68  | 1537 | 16:13:32 | 85,40  | 1592 | 16:18:07 | 78,04  | 1647 | 16:22:42 | 50,68  |
| 1428 | 16:04:27 | 81,79  | 1483 | 16:09:02 | 86,32  | 1538 | 16:13:37 | 86,25  | 1593 | 16:18:12 | 67,39  | 1648 | 16:22:47 | 47,34  |
| 1429 | 16:04:32 | 79,51  | 1484 | 16:09:07 | 80,86  | 1539 | 16:13:42 | 83,49  | 1594 | 16:18:17 | 66,12  | 1649 | 16:22:52 | 48,78  |
| 1430 | 16:04:37 | 77,32  | 1485 | 16:09:12 | 85,09  | 1540 | 16:13:47 | 84,10  | 1595 | 16:18:22 | 63,60  | 1650 | 16:22:57 | 49,86  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1651 | 16:23:02 | 48,10  | 1706 | 16:27:37 | 45,48  | 1761 | 16:32:12 | 48,32  | 1816 | 16:36:47 | 62,46  | 1871 | 16:41:22 | 55,30  |
| 1652 | 16:23:07 | 45,59  | 1707 | 16:27:42 | 50,60  | 1762 | 16:32:17 | 49,92  | 1817 | 16:36:52 | 58,11  | 1872 | 16:41:27 | 51,83  |
| 1653 | 16:23:12 | 46,28  | 1708 | 16:27:47 | 45,82  | 1763 | 16:32:22 | 47,80  | 1818 | 16:36:57 | 59,13  | 1873 | 16:41:32 | 54,23  |
| 1654 | 16:23:17 | 47,49  | 1709 | 16:27:52 | 45,30  | 1764 | 16:32:27 | 46,67  | 1819 | 16:37:02 | 62,09  | 1874 | 16:41:37 | 51,72  |
| 1655 | 16:23:22 | 48,72  | 1710 | 16:27:57 | 45,44  | 1765 | 16:32:32 | 46,14  | 1820 | 16:37:07 | 61,09  | 1875 | 16:41:42 | 48,89  |
| 1656 | 16:23:27 | 46,36  | 1711 | 16:28:02 | 45,37  | 1766 | 16:32:37 | 46,16  | 1821 | 16:37:12 | 62,42  | 1876 | 16:41:47 | 48,86  |
| 1657 | 16:23:32 | 45,54  | 1712 | 16:28:07 | 44,56  | 1767 | 16:32:42 | 47,53  | 1822 | 16:37:17 | 61,59  | 1877 | 16:41:52 | 48,25  |
| 1658 | 16:23:37 | 67,05  | 1713 | 16:28:12 | 45,71  | 1768 | 16:32:47 | 48,58  | 1823 | 16:37:22 | 60,13  | 1878 | 16:41:57 | 46,03  |
| 1659 | 16:23:42 | 73,25  | 1714 | 16:28:17 | 45,00  | 1769 | 16:32:52 | 47,29  | 1824 | 16:37:27 | 58,80  | 1879 | 16:42:02 | 44,34  |
| 1660 | 16:23:47 | 65,61  | 1715 | 16:28:22 | 44,17  | 1770 | 16:32:57 | 47,70  | 1825 | 16:37:32 | 61,04  | 1880 | 16:42:07 | 44,96  |
| 1661 | 16:23:52 | 65,96  | 1716 | 16:28:27 | 44,20  | 1771 | 16:33:02 | 50,29  | 1826 | 16:37:37 | 56,01  | 1881 | 16:42:12 | 43,64  |
| 1662 | 16:23:57 | 70,97  | 1717 | 16:28:32 | 45,73  | 1772 | 16:33:07 | 57,49  | 1827 | 16:37:42 | 44,75  | 1882 | 16:42:17 | 44,09  |
| 1663 | 16:24:02 | 65,45  | 1718 | 16:28:37 | 59,04  | 1773 | 16:33:12 | 52,09  | 1828 | 16:37:47 | 42,76  | 1883 | 16:42:22 | 44,28  |
| 1664 | 16:24:07 | 48,14  | 1719 | 16:28:42 | 60,77  | 1774 | 16:33:17 | 57,25  | 1829 | 16:37:52 | 42,46  | 1884 | 16:42:27 | 43,99  |
| 1665 | 16:24:12 | 45,66  | 1720 | 16:28:47 | 51,75  | 1775 | 16:33:22 | 65,92  | 1830 | 16:37:57 | 43,72  | 1885 | 16:42:32 | 54,15  |
| 1666 | 16:24:17 | 45,54  | 1721 | 16:28:52 | 61,80  | 1776 | 16:33:27 | 70,69  | 1831 | 16:38:02 | 46,13  | 1886 | 16:42:37 | 52,76  |
| 1667 | 16:24:22 | 46,99  | 1722 | 16:28:57 | 58,61  | 1777 | 16:33:32 | 68,81  | 1832 | 16:38:07 | 49,23  | 1887 | 16:42:42 | 49,10  |
| 1668 | 16:24:27 | 44,32  | 1723 | 16:29:02 | 57,47  | 1778 | 16:33:37 | 70,84  | 1833 | 16:38:12 | 43,50  | 1888 | 16:42:47 | 54,18  |
| 1669 | 16:24:32 | 43,33  | 1724 | 16:29:07 | 55,60  | 1779 | 16:33:42 | 67,43  | 1834 | 16:38:17 | 43,26  | 1889 | 16:42:52 | 51,63  |
| 1670 | 16:24:37 | 44,23  | 1725 | 16:29:12 | 63,43  | 1780 | 16:33:47 | 73,63  | 1835 | 16:38:22 | 49,01  | 1890 | 16:42:57 | 54,78  |
| 1671 | 16:24:42 | 45,17  | 1726 | 16:29:17 | 63,98  | 1781 | 16:33:52 | 70,54  | 1836 | 16:38:27 | 46,21  | 1891 | 16:43:02 | 50,95  |
| 1672 | 16:24:47 | 45,95  | 1727 | 16:29:22 | 65,76  | 1782 | 16:33:57 | 74,38  | 1837 | 16:38:32 | 44,03  | 1892 | 16:43:07 | 50,47  |
| 1673 | 16:24:52 | 48,61  | 1728 | 16:29:27 | 63,60  | 1783 | 16:34:02 | 56,71  | 1838 | 16:38:37 | 43,60  | 1893 | 16:43:12 | 48,23  |
| 1674 | 16:24:57 | 53,23  | 1729 | 16:29:32 | 63,23  | 1784 | 16:34:07 | 44,85  | 1839 | 16:38:42 | 44,07  | 1894 | 16:43:17 | 46,00  |
| 1675 | 16:25:02 | 52,49  | 1730 | 16:29:37 | 64,77  | 1785 | 16:34:12 | 52,92  | 1840 | 16:38:47 | 42,63  | 1895 | 16:43:22 | 48,84  |
| 1676 | 16:25:07 | 51,21  | 1731 | 16:29:42 | 67,49  | 1786 | 16:34:17 | 45,25  | 1841 | 16:38:52 | 46,67  | 1896 | 16:43:27 | 50,04  |
| 1677 | 16:25:12 | 54,89  | 1732 | 16:29:47 | 59,55  | 1787 | 16:34:22 | 49,21  | 1842 | 16:38:57 | 45,32  | 1897 | 16:43:32 | 50,07  |
| 1678 | 16:25:17 | 58,71  | 1733 | 16:29:52 | 60,71  | 1788 | 16:34:27 | 46,75  | 1843 | 16:39:02 | 43,55  | 1898 | 16:43:37 | 48,77  |
| 1679 | 16:25:22 | 59,96  | 1734 | 16:29:57 | 62,28  | 1789 | 16:34:32 | 48,07  | 1844 | 16:39:07 | 48,71  | 1899 | 16:43:42 | 44,70  |
| 1680 | 16:25:27 | 58,54  | 1735 | 16:30:02 | 66,39  | 1790 | 16:34:37 | 46,35  | 1845 | 16:39:12 | 50,79  | 1900 | 16:43:47 | 45,80  |
| 1681 | 16:25:32 | 57,66  | 1736 | 16:30:07 | 62,95  | 1791 | 16:34:42 | 44,29  | 1846 | 16:39:17 | 48,80  | 1901 | 16:43:52 | 47,59  |
| 1682 | 16:25:37 | 54,49  | 1737 | 16:30:12 | 63,57  | 1792 | 16:34:47 | 45,33  | 1847 | 16:39:22 | 47,87  | 1902 | 16:43:57 | 54,21  |
| 1683 | 16:25:42 | 46,83  | 1738 | 16:30:17 | 65,27  | 1793 | 16:34:52 | 49,97  | 1848 | 16:39:27 | 49,84  | 1903 | 16:44:02 | 50,84  |
| 1684 | 16:25:47 | 44,83  | 1739 | 16:30:22 | 58,09  | 1794 | 16:34:57 | 47,64  | 1849 | 16:39:32 | 50,25  | 1904 | 16:44:07 | 69,72  |
| 1685 | 16:25:52 | 45,32  | 1740 | 16:30:27 | 51,40  | 1795 | 16:35:02 | 45,30  | 1850 | 16:39:37 | 48,44  | 1905 | 16:44:12 | 61,63  |
| 1686 | 16:25:57 | 45,27  | 1741 | 16:30:32 | 47,43  | 1796 | 16:35:07 | 45,11  | 1851 | 16:39:42 | 48,47  | 1906 | 16:44:17 | 50,85  |
| 1687 | 16:26:02 | 46,05  | 1742 | 16:30:37 | 54,83  | 1797 | 16:35:12 | 46,04  | 1852 | 16:39:47 | 51,27  | 1907 | 16:44:22 | 47,81  |
| 1688 | 16:26:07 | 45,47  | 1743 | 16:30:42 | 72,25  | 1798 | 16:35:17 | 49,58  | 1853 | 16:39:52 | 50,08  | 1908 | 16:44:27 | 47,42  |
| 1689 | 16:26:12 | 45,33  | 1744 | 16:30:47 | 75,66  | 1799 | 16:35:22 | 54,18  | 1854 | 16:39:57 | 46,21  | 1909 | 16:44:32 | 44,83  |
| 1690 | 16:26:17 | 45,43  | 1745 | 16:30:52 | 63,20  | 1800 | 16:35:27 | 51,67  | 1855 | 16:40:02 | 44,53  | 1910 | 16:44:37 | 48,56  |
| 1691 | 16:26:22 | 44,66  | 1746 | 16:30:57 | 66,08  | 1801 | 16:35:32 | 47,43  | 1856 | 16:40:07 | 44,33  | 1911 | 16:44:42 | 47,28  |
| 1692 | 16:26:27 | 45,44  | 1747 | 16:31:02 | 64,57  | 1802 | 16:35:37 | 46,56  | 1857 | 16:40:12 | 44,56  | 1912 | 16:44:47 | 49,38  |
| 1693 | 16:26:32 | 45,17  | 1748 | 16:31:07 | 66,18  | 1803 | 16:35:42 | 46,42  | 1858 | 16:40:17 | 44,88  | 1913 | 16:44:52 | 58,52  |
| 1694 | 16:26:37 | 44,83  | 1749 | 16:31:12 | 62,20  | 1804 | 16:35:47 | 58,90  | 1859 | 16:40:22 | 45,82  | 1914 | 16:44:57 | 56,45  |
| 1695 | 16:26:42 | 46,03  | 1750 | 16:31:17 | 62,18  | 1805 | 16:35:52 | 58,28  | 1860 | 16:40:27 | 44,17  | 1915 | 16:45:02 | 60,51  |
| 1696 | 16:26:47 | 44,37  | 1751 | 16:31:22 | 62,75  | 1806 | 16:35:57 | 50,07  | 1861 | 16:40:32 | 42,58  | 1916 | 16:45:07 | 52,65  |
| 1697 | 16:26:52 | 43,76  | 1752 | 16:31:27 | 55,01  | 1807 | 16:36:02 | 46,97  | 1862 | 16:40:37 | 46,17  | 1917 | 16:45:12 | 54,94  |
| 1698 | 16:26:57 | 44,36  | 1753 | 16:31:32 | 44,41  | 1808 | 16:36:07 | 44,28  | 1863 | 16:40:42 | 46,22  | 1918 | 16:45:17 | 55,89  |
| 1699 | 16:27:02 | 44,51  | 1754 | 16:31:37 | 44,26  | 1809 | 16:36:12 | 43,70  | 1864 | 16:40:47 | 48,12  | 1919 | 16:45:22 | 55,89  |
| 1700 | 16:27:07 | 45,10  | 1755 | 16:31:42 | 46,34  | 1810 | 16:36:17 | 45,29  | 1865 | 16:40:52 | 46,74  | 1920 | 16:45:27 | 55,61  |
| 1701 | 16:27:12 | 45,84  | 1756 | 16:31:47 | 45,32  | 1811 | 16:36:22 | 49,75  | 1866 | 16:40:57 | 48,56  | 1921 | 16:45:32 | 58,56  |
| 1702 | 16:27:17 | 44,53  | 1757 | 16:31:52 | 43,71  | 1812 | 16:36:27 | 46,71  | 1867 | 16:41:02 | 50,89  | 1922 | 16:45:37 | 61,27  |
| 1703 | 16:27:22 | 43,95  | 1758 | 16:31:57 | 46,66  | 1813 | 16:36:32 | 45,35  | 1868 | 16:41:07 | 50,10  | 1923 | 16:45:42 | 60,83  |
| 1704 | 16:27:27 | 44,96  | 1759 | 16:32:02 | 47,67  | 1814 | 16:36:37 | 46,24  | 1869 | 16:41:12 | 66,08  | 1924 | 16:45:47 | 61,54  |
| 1705 | 16:27:32 | 44,28  | 1760 | 16:32:07 | 46,59  | 1815 | 16:36:42 | 45,25  | 1870 | 16:41:17 | 63,32  | 1925 | 16:45:52 | 57,95  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032005135**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|-----|-----|--------|-----|-----|--------|
| 1926 | 16:45:57 | 59,39  | 1981 | 16:50:32 | 77,69  | 2036 | 16:55:07 | 77,24  |     |     |        |     |     |        |
| 1927 | 16:46:02 | 57,40  | 1982 | 16:50:37 | 76,38  | 2037 | 16:55:12 | 75,08  |     |     |        |     |     |        |
| 1928 | 16:46:07 | 56,13  | 1983 | 16:50:42 | 72,83  | 2038 | 16:55:17 | 70,71  |     |     |        |     |     |        |
| 1929 | 16:46:12 | 59,12  | 1984 | 16:50:47 | 74,49  | 2039 | 16:55:22 | 75,99  |     |     |        |     |     |        |
| 1930 | 16:46:17 | 58,38  | 1985 | 16:50:52 | 74,44  | 2040 | 16:55:27 | 77,50  |     |     |        |     |     |        |
| 1931 | 16:46:22 | 55,35  | 1986 | 16:50:57 | 76,73  | 2041 | 16:55:32 | 76,51  |     |     |        |     |     |        |
| 1932 | 16:46:27 | 56,70  | 1987 | 16:51:02 | 74,63  | 2042 | 16:55:37 | 76,08  |     |     |        |     |     |        |
| 1933 | 16:46:32 | 55,65  | 1988 | 16:51:07 | 79,79  | 2043 | 16:55:42 | 78,98  |     |     |        |     |     |        |
| 1934 | 16:46:37 | 55,97  | 1989 | 16:51:12 | 75,60  | 2044 | 16:55:47 | 80,91  |     |     |        |     |     |        |
| 1935 | 16:46:42 | 55,17  | 1990 | 16:51:17 | 71,20  | 2045 | 16:55:52 | 78,74  |     |     |        |     |     |        |
| 1936 | 16:46:47 | 54,59  | 1991 | 16:51:22 | 79,41  | 2046 | 16:55:57 | 77,18  |     |     |        |     |     |        |
| 1937 | 16:46:52 | 62,45  | 1992 | 16:51:27 | 72,15  | 2047 | 16:56:02 | 75,90  |     |     |        |     |     |        |
| 1938 | 16:46:57 | 67,42  | 1993 | 16:51:32 | 77,44  | 2048 | 16:56:07 | 72,25  |     |     |        |     |     |        |
| 1939 | 16:47:02 | 65,84  | 1994 | 16:51:37 | 74,53  | 2049 | 16:56:12 | 67,78  |     |     |        |     |     |        |
| 1940 | 16:47:07 | 62,17  | 1995 | 16:51:42 | 80,21  | 2050 | 16:56:17 | 73,74  |     |     |        |     |     |        |
| 1941 | 16:47:12 | 58,83  | 1996 | 16:51:47 | 80,18  | 2051 | 16:56:22 | 66,69  |     |     |        |     |     |        |
| 1942 | 16:47:17 | 61,82  | 1997 | 16:51:52 | 76,78  | 2052 | 16:56:27 | 63,55  |     |     |        |     |     |        |
| 1943 | 16:47:22 | 60,19  | 1998 | 16:51:57 | 78,91  | 2053 | 16:56:32 | 66,16  |     |     |        |     |     |        |
| 1944 | 16:47:27 | 59,18  | 1999 | 16:52:02 | 78,13  | 2054 | 16:56:37 | 67,23  |     |     |        |     |     |        |
| 1945 | 16:47:32 | 61,79  | 2000 | 16:52:07 | 78,40  | 2055 | 16:56:42 | 66,96  |     |     |        |     |     |        |
| 1946 | 16:47:37 | 62,16  | 2001 | 16:52:12 | 77,14  | 2056 | 16:56:47 | 71,03  |     |     |        |     |     |        |
| 1947 | 16:47:42 | 62,83  | 2002 | 16:52:17 | 73,73  | 2057 | 16:56:52 | 68,37  |     |     |        |     |     |        |
| 1948 | 16:47:47 | 72,43  | 2003 | 16:52:22 | 73,87  | 2058 | 16:56:57 | 66,87  |     |     |        |     |     |        |
| 1949 | 16:47:52 | 73,88  | 2004 | 16:52:27 | 67,33  | 2059 | 16:57:02 | 74,04  |     |     |        |     |     |        |
| 1950 | 16:47:57 | 75,64  | 2005 | 16:52:32 | 75,14  | 2060 | 16:57:07 | 67,54  |     |     |        |     |     |        |
| 1951 | 16:48:02 | 81,41  | 2006 | 16:52:37 | 76,79  | 2061 | 16:57:12 | 62,25  |     |     |        |     |     |        |
| 1952 | 16:48:07 | 79,67  | 2007 | 16:52:42 | 76,71  | 2062 | 16:57:17 | 65,57  |     |     |        |     |     |        |
| 1953 | 16:48:12 | 73,95  | 2008 | 16:52:47 | 73,16  | 2063 | 16:57:22 | 74,19  |     |     |        |     |     |        |
| 1954 | 16:48:17 | 72,01  | 2009 | 16:52:52 | 75,26  | 2064 | 16:57:27 | 72,54  |     |     |        |     |     |        |
| 1955 | 16:48:22 | 73,33  | 2010 | 16:52:57 | 77,55  |      |          |        |     |     |        |     |     |        |
| 1956 | 16:48:27 | 76,56  | 2011 | 16:53:02 | 74,76  |      |          |        |     |     |        |     |     |        |
| 1957 | 16:48:32 | 75,12  | 2012 | 16:53:07 | 76,42  |      |          |        |     |     |        |     |     |        |
| 1958 | 16:48:37 | 72,18  | 2013 | 16:53:12 | 78,55  |      |          |        |     |     |        |     |     |        |
| 1959 | 16:48:42 | 63,61  | 2014 | 16:53:17 | 77,57  |      |          |        |     |     |        |     |     |        |
| 1960 | 16:48:47 | 70,87  | 2015 | 16:53:22 | 77,67  |      |          |        |     |     |        |     |     |        |
| 1961 | 16:48:52 | 70,88  | 2016 | 16:53:27 | 78,83  |      |          |        |     |     |        |     |     |        |
| 1962 | 16:48:57 | 70,09  | 2017 | 16:53:32 | 77,90  |      |          |        |     |     |        |     |     |        |
| 1963 | 16:49:02 | 69,86  | 2018 | 16:53:37 | 75,93  |      |          |        |     |     |        |     |     |        |
| 1964 | 16:49:07 | 71,11  | 2019 | 16:53:42 | 76,40  |      |          |        |     |     |        |     |     |        |
| 1965 | 16:49:12 | 70,52  | 2020 | 16:53:47 | 80,73  |      |          |        |     |     |        |     |     |        |
| 1966 | 16:49:17 | 69,44  | 2021 | 16:53:52 | 74,09  |      |          |        |     |     |        |     |     |        |
| 1967 | 16:49:22 | 70,49  | 2022 | 16:53:57 | 70,10  |      |          |        |     |     |        |     |     |        |
| 1968 | 16:49:27 | 70,94  | 2023 | 16:54:02 | 71,16  |      |          |        |     |     |        |     |     |        |
| 1969 | 16:49:32 | 68,25  | 2024 | 16:54:07 | 71,77  |      |          |        |     |     |        |     |     |        |
| 1970 | 16:49:37 | 70,03  | 2025 | 16:54:12 | 70,34  |      |          |        |     |     |        |     |     |        |
| 1971 | 16:49:42 | 67,82  | 2026 | 16:54:17 | 70,95  |      |          |        |     |     |        |     |     |        |
| 1972 | 16:49:47 | 66,20  | 2027 | 16:54:22 | 79,48  |      |          |        |     |     |        |     |     |        |
| 1973 | 16:49:52 | 68,55  | 2028 | 16:54:27 | 81,87  |      |          |        |     |     |        |     |     |        |
| 1974 | 16:49:57 | 68,73  | 2029 | 16:54:32 | 76,05  |      |          |        |     |     |        |     |     |        |
| 1975 | 16:50:02 | 67,82  | 2030 | 16:54:37 | 73,47  |      |          |        |     |     |        |     |     |        |
| 1976 | 16:50:07 | 68,03  | 2031 | 16:54:42 | 69,54  |      |          |        |     |     |        |     |     |        |
| 1977 | 16:50:12 | 69,22  | 2032 | 16:54:47 | 79,80  |      |          |        |     |     |        |     |     |        |
| 1978 | 16:50:17 | 68,63  | 2033 | 16:54:52 | 74,17  |      |          |        |     |     |        |     |     |        |
| 1979 | 16:50:22 | 77,01  | 2034 | 16:54:57 | 73,65  |      |          |        |     |     |        |     |     |        |
| 1980 | 16:50:27 | 83,07  | 2035 | 16:55:02 | 77,50  |      |          |        |     |     |        |     |     |        |

|                                                                     |                                                            |
|---------------------------------------------------------------------|------------------------------------------------------------|
| Empresa avaliada: MUNICÍPIO DE PATO BRAGADO                         | Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRAB |
| Sector: SECRETARIA DE OBRAS                                         | Realizado por: ENGª THAIS LUANA GRZEGOZESKI                |
| Funcionário avaliado: AUXILIAR DE SERVIÇOS GERAIS/OPERÁRIO DE BOMBA | DATA: 07/08/2025                                           |
| Jornada de trabalho [hh:mm]: 08:00                                  |                                                            |

Configuração dos dosímetros

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Dosímetro NR15                       | Dosímetro NHO01                      | Dosímetro USER                       |
| Curva de ponderação: A               | Curva de ponderação: A               | Curva de ponderação: A               |
| Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       | Ponderação de tempo: Lenta (S)       |
| Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           | Nível limiar (TL) [dB]: 80           |
| Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 | Critério de referência (CR) [dB]: 85 |
| Duplicação de dose (Q) [dB]: 5       | Duplicação de dose (Q) [dB]: 3       | Duplicação de dose (Q) [dB]: 3       |

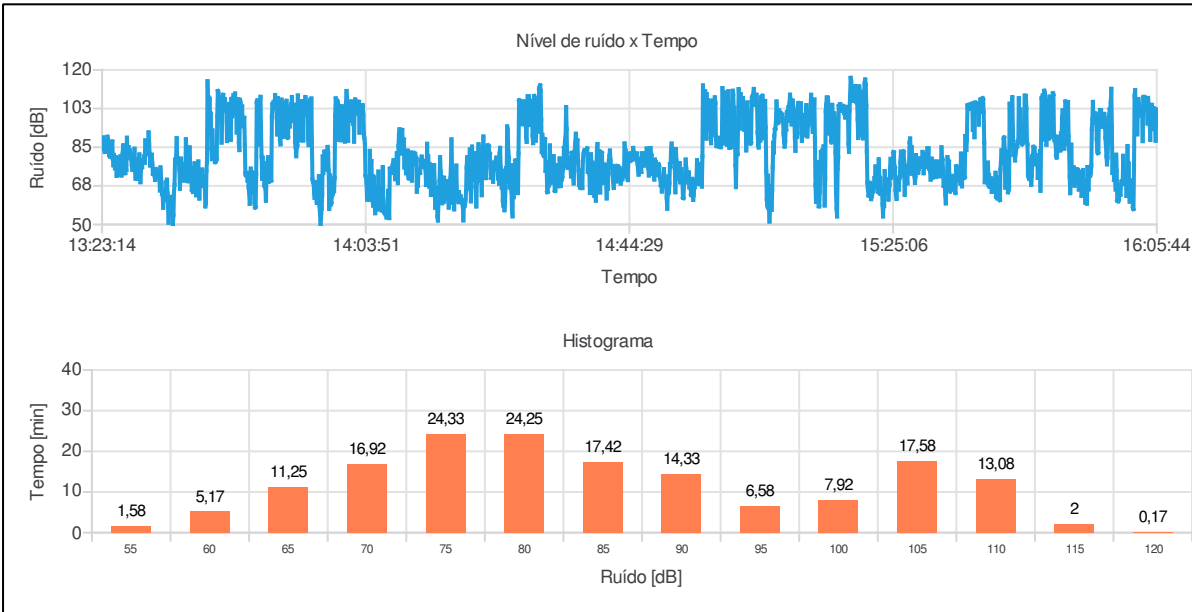
Resultado da avaliação

|                                    |                           |                           |
|------------------------------------|---------------------------|---------------------------|
| Duração: 02:42:36                  | Tempo em pausa: 00:00:00  |                           |
| Início: 13:23:14                   | Fim: 16:05:44             |                           |
| Dosímetro NR15                     | Dosímetro NHO01           | Dosímetro USER            |
| Dose [%]: 131,93                   | Dose [%]: 986,58          | Dose [%]: 986,58          |
| Dose diária [%]: 389,46            | Dose diária [%]: 2.912,41 | Dose diária [%]: 2.912,41 |
| Lavg [dB]: 94,81                   | Leq [dB]: 99,59           | Leq [dB]: 99,59           |
| NE [dB]: 94,81                     | NE [dB]: 99,59            | NE [dB]: 99,59            |
| NEN [dB]: 94,81                    | NEN [dB]: 99,59           | NEN [dB]: 0,00            |
| TWA [dB]: 87,00                    | TWA [dB]: 94,91           | TWA [dB]: 94,91           |
| Ocorrências de picos de 115 dB: 11 |                           |                           |

Registro de calibração

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Verificação de campo @ 1kHz                     | Calibração de laboratório          |
| Pré verificação [dB]: 114,00 (07/08/2025 13:22) | Dosímetro: CRA0130/2025 31/01/2025 |
| Pós verificação [dB]: ---                       | Calibrador de áudio:               |

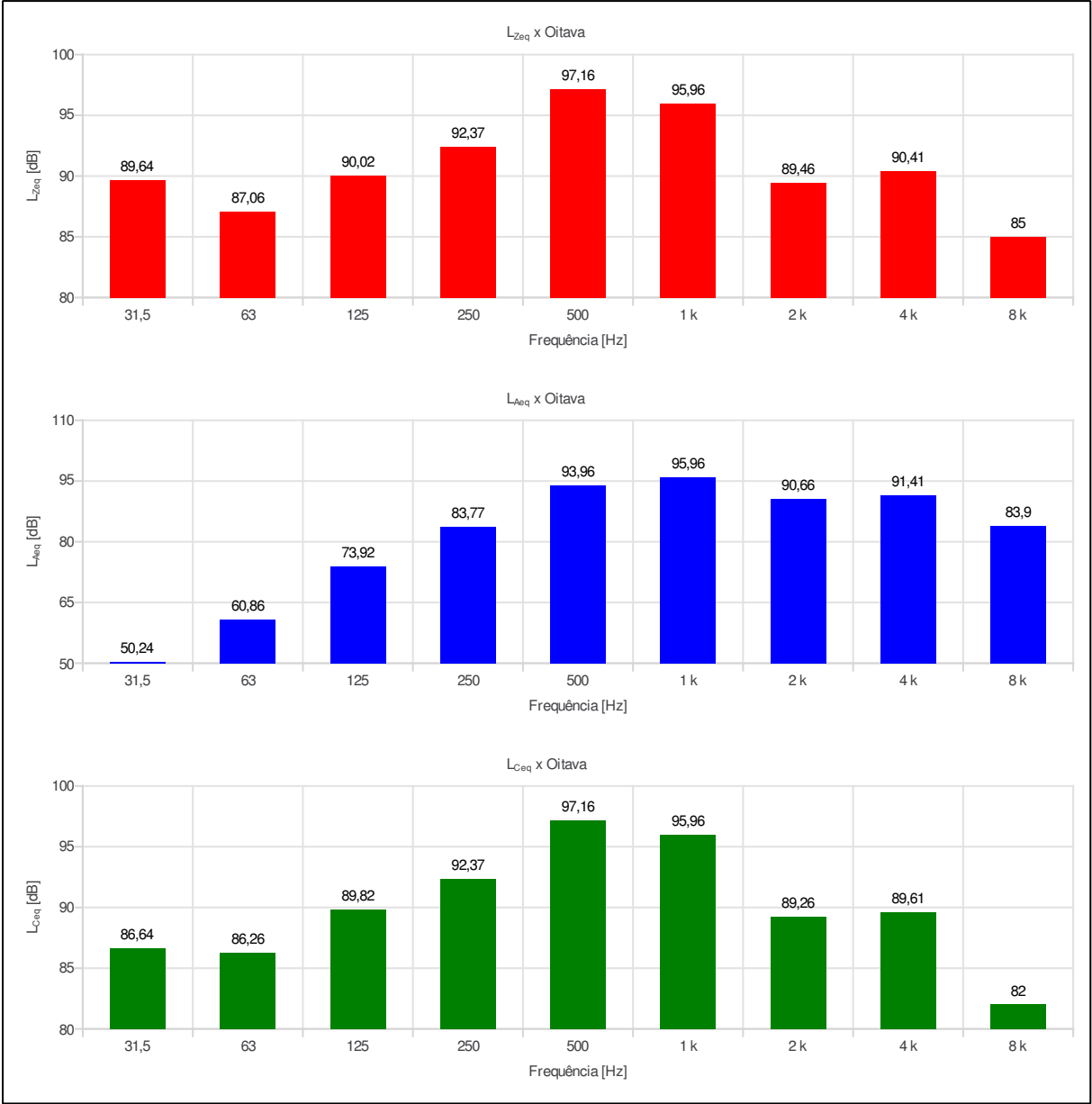
Gráficos



Observações

ENGª THAIS LUANA GRZEGOZESKI  
Registro: CREA 147394/D

Bandas de oitavas



**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 001 | 13:23:14 | 86,36  | 056 | 13:27:49 | 76,64  | 111 | 13:32:24 | 68,91  | 166 | 13:36:59 | 69,80  | 221 | 13:41:34 | 97,02  |
| 002 | 13:23:19 | 84,28  | 057 | 13:27:54 | 74,73  | 112 | 13:32:29 | 63,75  | 167 | 13:37:04 | 65,69  | 222 | 13:41:39 | 87,11  |
| 003 | 13:23:24 | 89,41  | 058 | 13:27:59 | 78,05  | 113 | 13:32:34 | 63,69  | 168 | 13:37:09 | 66,32  | 223 | 13:41:44 | 96,61  |
| 004 | 13:23:29 | 87,19  | 059 | 13:28:04 | 78,69  | 114 | 13:32:39 | 57,59  | 169 | 13:37:14 | 64,71  | 224 | 13:41:49 | 107,55 |
| 005 | 13:23:34 | 85,82  | 060 | 13:28:09 | 80,09  | 115 | 13:32:44 | 65,05  | 170 | 13:37:19 | 71,94  | 225 | 13:41:54 | 108,72 |
| 006 | 13:23:39 | 82,88  | 061 | 13:28:14 | 84,29  | 116 | 13:32:49 | 63,75  | 171 | 13:37:24 | 65,51  | 226 | 13:41:59 | 103,31 |
| 007 | 13:23:44 | 87,61  | 062 | 13:28:19 | 74,89  | 117 | 13:32:54 | 64,11  | 172 | 13:37:29 | 77,67  | 227 | 13:42:04 | 101,85 |
| 008 | 13:23:49 | 87,09  | 063 | 13:28:24 | 70,78  | 118 | 13:32:59 | 60,99  | 173 | 13:37:34 | 73,92  | 228 | 13:42:09 | 106,83 |
| 009 | 13:23:54 | 85,87  | 064 | 13:28:29 | 79,38  | 119 | 13:33:04 | 66,15  | 174 | 13:37:39 | 69,71  | 229 | 13:42:14 | 103,63 |
| 010 | 13:23:59 | 87,39  | 065 | 13:28:34 | 72,39  | 120 | 13:33:09 | 69,43  | 175 | 13:37:44 | 63,24  | 230 | 13:42:19 | 101,63 |
| 011 | 13:24:04 | 89,74  | 066 | 13:28:39 | 70,73  | 121 | 13:33:14 | 70,28  | 176 | 13:37:49 | 66,99  | 231 | 13:42:24 | 102,61 |
| 012 | 13:24:09 | 88,47  | 067 | 13:28:44 | 77,40  | 122 | 13:33:19 | 64,24  | 177 | 13:37:54 | 69,60  | 232 | 13:42:29 | 87,82  |
| 013 | 13:24:14 | 85,12  | 068 | 13:28:49 | 79,16  | 123 | 13:33:24 | 58,24  | 178 | 13:37:59 | 75,08  | 233 | 13:42:34 | 90,97  |
| 014 | 13:24:19 | 81,55  | 069 | 13:28:54 | 79,80  | 124 | 13:33:29 | 50,82  | 179 | 13:38:04 | 78,52  | 234 | 13:42:39 | 104,55 |
| 015 | 13:24:24 | 83,74  | 070 | 13:28:59 | 81,71  | 125 | 13:33:34 | 57,87  | 180 | 13:38:09 | 69,19  | 235 | 13:42:44 | 103,88 |
| 016 | 13:24:29 | 80,66  | 071 | 13:29:04 | 77,44  | 126 | 13:33:39 | 54,31  | 181 | 13:38:14 | 61,75  | 236 | 13:42:49 | 104,11 |
| 017 | 13:24:34 | 81,04  | 072 | 13:29:09 | 69,16  | 127 | 13:33:44 | 61,78  | 182 | 13:38:19 | 71,04  | 237 | 13:42:54 | 101,18 |
| 018 | 13:24:39 | 84,49  | 073 | 13:29:14 | 75,21  | 128 | 13:33:49 | 60,70  | 183 | 13:38:24 | 72,28  | 238 | 13:42:59 | 90,60  |
| 019 | 13:24:44 | 86,59  | 074 | 13:29:19 | 76,94  | 129 | 13:33:54 | 62,51  | 184 | 13:38:29 | 67,44  | 239 | 13:43:04 | 88,34  |
| 020 | 13:24:49 | 87,59  | 075 | 13:29:24 | 75,87  | 130 | 13:33:59 | 57,29  | 185 | 13:38:34 | 68,63  | 240 | 13:43:09 | 106,90 |
| 021 | 13:24:54 | 79,57  | 076 | 13:29:29 | 78,42  | 131 | 13:34:04 | 56,52  | 186 | 13:38:39 | 74,88  | 241 | 13:43:14 | 106,37 |
| 022 | 13:24:59 | 76,83  | 077 | 13:29:34 | 79,23  | 132 | 13:34:09 | 50,23  | 187 | 13:38:44 | 67,91  | 242 | 13:43:19 | 99,03  |
| 023 | 13:25:04 | 81,51  | 078 | 13:29:39 | 78,92  | 133 | 13:34:14 | 54,24  | 188 | 13:38:49 | 72,00  | 243 | 13:43:24 | 101,28 |
| 024 | 13:25:09 | 76,88  | 079 | 13:29:44 | 80,87  | 134 | 13:34:19 | 64,49  | 189 | 13:38:54 | 71,68  | 244 | 13:43:29 | 108,57 |
| 025 | 13:25:14 | 75,42  | 080 | 13:29:49 | 77,97  | 135 | 13:34:24 | 67,97  | 190 | 13:38:59 | 70,00  | 245 | 13:43:34 | 101,79 |
| 026 | 13:25:19 | 77,74  | 081 | 13:29:54 | 88,07  | 136 | 13:34:29 | 79,38  | 191 | 13:39:04 | 67,57  | 246 | 13:43:39 | 105,45 |
| 027 | 13:25:24 | 80,44  | 082 | 13:29:59 | 84,45  | 137 | 13:34:34 | 77,76  | 192 | 13:39:09 | 58,20  | 247 | 13:43:44 | 109,30 |
| 028 | 13:25:29 | 72,04  | 083 | 13:30:04 | 81,84  | 138 | 13:34:39 | 81,02  | 193 | 13:39:14 | 59,62  | 248 | 13:43:49 | 100,53 |
| 029 | 13:25:34 | 77,96  | 084 | 13:30:09 | 84,51  | 139 | 13:34:44 | 89,07  | 194 | 13:39:19 | 74,24  | 249 | 13:43:54 | 104,83 |
| 030 | 13:25:39 | 76,99  | 085 | 13:30:14 | 84,80  | 140 | 13:34:49 | 78,34  | 195 | 13:39:24 | 78,42  | 250 | 13:43:59 | 91,67  |
| 031 | 13:25:44 | 72,58  | 086 | 13:30:19 | 83,21  | 141 | 13:34:54 | 80,00  | 196 | 13:39:29 | 114,86 | 251 | 13:44:04 | 105,33 |
| 032 | 13:25:49 | 78,10  | 087 | 13:30:24 | 91,69  | 142 | 13:34:59 | 78,78  | 197 | 13:39:34 | 105,80 | 252 | 13:44:09 | 106,73 |
| 033 | 13:25:54 | 79,46  | 088 | 13:30:29 | 87,02  | 143 | 13:35:04 | 78,41  | 198 | 13:39:39 | 107,55 | 253 | 13:44:14 | 103,08 |
| 034 | 13:25:59 | 78,14  | 089 | 13:30:34 | 81,92  | 144 | 13:35:09 | 74,96  | 199 | 13:39:44 | 105,04 | 254 | 13:44:19 | 86,66  |
| 035 | 13:26:04 | 80,83  | 090 | 13:30:39 | 76,71  | 145 | 13:35:14 | 66,21  | 200 | 13:39:49 | 106,94 | 255 | 13:44:24 | 83,70  |
| 036 | 13:26:09 | 78,71  | 091 | 13:30:44 | 78,52  | 146 | 13:35:19 | 72,72  | 201 | 13:39:54 | 91,16  | 256 | 13:44:29 | 106,44 |
| 037 | 13:26:14 | 72,20  | 092 | 13:30:49 | 80,15  | 147 | 13:35:24 | 79,81  | 202 | 13:39:59 | 100,22 | 257 | 13:44:34 | 105,36 |
| 038 | 13:26:19 | 77,95  | 093 | 13:30:54 | 81,61  | 148 | 13:35:29 | 76,59  | 203 | 13:40:04 | 84,23  | 258 | 13:44:39 | 97,30  |
| 039 | 13:26:24 | 82,05  | 094 | 13:30:59 | 77,50  | 149 | 13:35:34 | 72,36  | 204 | 13:40:09 | 79,61  | 259 | 13:44:44 | 102,19 |
| 040 | 13:26:29 | 85,83  | 095 | 13:31:04 | 72,96  | 150 | 13:35:39 | 70,94  | 205 | 13:40:14 | 92,60  | 260 | 13:44:49 | 103,50 |
| 041 | 13:26:34 | 73,91  | 096 | 13:31:09 | 73,75  | 151 | 13:35:44 | 76,32  | 206 | 13:40:19 | 84,76  | 261 | 13:44:54 | 94,50  |
| 042 | 13:26:39 | 76,24  | 097 | 13:31:14 | 74,91  | 152 | 13:35:49 | 77,22  | 207 | 13:40:24 | 81,89  | 262 | 13:44:59 | 96,70  |
| 043 | 13:26:44 | 74,02  | 098 | 13:31:19 | 72,29  | 153 | 13:35:54 | 69,91  | 208 | 13:40:29 | 80,31  | 263 | 13:45:04 | 95,94  |
| 044 | 13:26:49 | 73,24  | 099 | 13:31:24 | 70,19  | 154 | 13:35:59 | 72,10  | 209 | 13:40:34 | 79,93  | 264 | 13:45:09 | 98,34  |
| 045 | 13:26:54 | 76,29  | 100 | 13:31:29 | 75,15  | 155 | 13:36:04 | 72,12  | 210 | 13:40:39 | 78,25  | 265 | 13:45:14 | 86,05  |
| 046 | 13:26:59 | 74,71  | 101 | 13:31:34 | 71,47  | 156 | 13:36:09 | 88,60  | 211 | 13:40:44 | 78,89  | 266 | 13:45:19 | 73,14  |
| 047 | 13:27:04 | 89,29  | 102 | 13:31:39 | 71,67  | 157 | 13:36:14 | 82,90  | 212 | 13:40:49 | 78,85  | 267 | 13:45:24 | 72,30  |
| 048 | 13:27:09 | 80,32  | 103 | 13:31:44 | 72,24  | 158 | 13:36:19 | 84,13  | 213 | 13:40:54 | 79,78  | 268 | 13:45:29 | 72,76  |
| 049 | 13:27:14 | 80,47  | 104 | 13:31:49 | 74,32  | 159 | 13:36:24 | 77,19  | 214 | 13:40:59 | 98,96  | 269 | 13:45:34 | 73,41  |
| 050 | 13:27:19 | 85,08  | 105 | 13:31:54 | 73,24  | 160 | 13:36:29 | 69,59  | 215 | 13:41:04 | 110,45 | 270 | 13:45:39 | 69,94  |
| 051 | 13:27:24 | 81,01  | 106 | 13:31:59 | 73,59  | 161 | 13:36:34 | 83,75  | 216 | 13:41:09 | 109,85 | 271 | 13:45:44 | 71,65  |
| 052 | 13:27:29 | 83,70  | 107 | 13:32:04 | 70,82  | 162 | 13:36:39 | 82,44  | 217 | 13:41:14 | 102,66 | 272 | 13:45:49 | 66,71  |
| 053 | 13:27:34 | 82,46  | 108 | 13:32:09 | 65,41  | 163 | 13:36:44 | 84,90  | 218 | 13:41:19 | 105,31 | 273 | 13:45:54 | 64,46  |
| 054 | 13:27:39 | 81,80  | 109 | 13:32:14 | 75,85  | 164 | 13:36:49 | 74,31  | 219 | 13:41:24 | 106,03 | 274 | 13:45:59 | 59,41  |
| 055 | 13:27:44 | 79,49  | 110 | 13:32:19 | 71,41  | 165 | 13:36:54 | 75,76  | 220 | 13:41:29 | 107,84 | 275 | 13:46:04 | 61,35  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 276 | 13:46:09 | 75,29  | 331 | 13:50:44 | 86,33  | 386 | 13:55:19 | 89,34  | 441 | 13:59:54 | 102,81 | 496 | 14:04:29 | 83,33  |
| 277 | 13:46:14 | 66,70  | 332 | 13:50:49 | 104,16 | 387 | 13:55:24 | 95,47  | 442 | 13:59:59 | 103,60 | 497 | 14:04:34 | 76,51  |
| 278 | 13:46:19 | 64,44  | 333 | 13:50:54 | 106,53 | 388 | 13:55:29 | 107,04 | 443 | 14:00:04 | 88,17  | 498 | 14:04:39 | 75,70  |
| 279 | 13:46:24 | 73,49  | 334 | 13:50:59 | 103,39 | 389 | 13:55:34 | 87,32  | 444 | 14:00:09 | 91,74  | 499 | 14:04:44 | 78,74  |
| 280 | 13:46:29 | 72,55  | 335 | 13:51:04 | 89,66  | 390 | 13:55:39 | 70,64  | 445 | 14:00:14 | 103,09 | 500 | 14:04:49 | 68,54  |
| 281 | 13:46:34 | 65,40  | 336 | 13:51:09 | 101,58 | 391 | 13:55:44 | 69,27  | 446 | 14:00:19 | 103,41 | 501 | 14:04:54 | 62,83  |
| 282 | 13:46:39 | 69,57  | 337 | 13:51:14 | 98,20  | 392 | 13:55:49 | 69,32  | 447 | 14:00:24 | 98,55  | 502 | 14:04:59 | 58,59  |
| 283 | 13:46:44 | 59,43  | 338 | 13:51:19 | 104,87 | 393 | 13:55:54 | 64,74  | 448 | 14:00:29 | 101,59 | 503 | 14:05:04 | 71,69  |
| 284 | 13:46:49 | 57,69  | 339 | 13:51:24 | 104,12 | 394 | 13:55:59 | 62,08  | 449 | 14:00:34 | 91,93  | 504 | 14:05:09 | 70,87  |
| 285 | 13:46:54 | 58,02  | 340 | 13:51:29 | 90,03  | 395 | 13:56:04 | 69,15  | 450 | 14:00:39 | 87,57  | 505 | 14:05:14 | 58,95  |
| 286 | 13:46:59 | 72,80  | 341 | 13:51:34 | 105,00 | 396 | 13:56:09 | 63,78  | 451 | 14:00:44 | 101,06 | 506 | 14:05:19 | 55,12  |
| 287 | 13:47:04 | 105,45 | 342 | 13:51:39 | 105,99 | 397 | 13:56:14 | 62,09  | 452 | 14:00:49 | 105,15 | 507 | 14:05:24 | 66,54  |
| 288 | 13:47:09 | 106,16 | 343 | 13:51:44 | 100,16 | 398 | 13:56:19 | 59,81  | 453 | 14:00:54 | 110,45 | 508 | 14:05:29 | 66,67  |
| 289 | 13:47:14 | 103,41 | 344 | 13:51:49 | 89,30  | 399 | 13:56:24 | 65,60  | 454 | 14:00:59 | 107,16 | 509 | 14:05:34 | 61,06  |
| 290 | 13:47:19 | 103,46 | 345 | 13:51:54 | 89,57  | 400 | 13:56:29 | 68,95  | 455 | 14:01:04 | 92,54  | 510 | 14:05:39 | 56,85  |
| 291 | 13:47:24 | 102,36 | 346 | 13:51:59 | 100,93 | 401 | 13:56:34 | 67,41  | 456 | 14:01:09 | 87,93  | 511 | 14:05:44 | 57,45  |
| 292 | 13:47:29 | 86,28  | 347 | 13:52:04 | 102,67 | 402 | 13:56:39 | 71,92  | 457 | 14:01:14 | 104,55 | 512 | 14:05:49 | 73,94  |
| 293 | 13:47:34 | 105,46 | 348 | 13:52:09 | 94,41  | 403 | 13:56:44 | 58,67  | 458 | 14:01:19 | 102,19 | 513 | 14:05:54 | 61,73  |
| 294 | 13:47:39 | 107,81 | 349 | 13:52:14 | 103,28 | 404 | 13:56:49 | 54,60  | 459 | 14:01:24 | 103,09 | 514 | 14:05:59 | 64,96  |
| 295 | 13:47:44 | 90,82  | 350 | 13:52:19 | 104,43 | 405 | 13:56:54 | 50,21  | 460 | 14:01:29 | 105,58 | 515 | 14:06:04 | 63,11  |
| 296 | 13:47:49 | 80,73  | 351 | 13:52:24 | 102,46 | 406 | 13:56:59 | 54,29  | 461 | 14:01:34 | 98,33  | 516 | 14:06:09 | 65,51  |
| 297 | 13:47:54 | 70,67  | 352 | 13:52:29 | 107,74 | 407 | 13:57:04 | 57,20  | 462 | 14:01:39 | 96,96  | 517 | 14:06:14 | 66,14  |
| 298 | 13:47:59 | 80,25  | 353 | 13:52:34 | 101,25 | 408 | 13:57:09 | 63,42  | 463 | 14:01:44 | 105,66 | 518 | 14:06:19 | 56,35  |
| 299 | 13:48:04 | 70,95  | 354 | 13:52:39 | 103,63 | 409 | 13:57:14 | 80,81  | 464 | 14:01:49 | 100,45 | 519 | 14:06:24 | 56,91  |
| 300 | 13:48:09 | 76,07  | 355 | 13:52:44 | 96,83  | 410 | 13:57:19 | 73,34  | 465 | 14:01:54 | 95,69  | 520 | 14:06:29 | 76,02  |
| 301 | 13:48:14 | 67,60  | 356 | 13:52:49 | 104,22 | 411 | 13:57:24 | 77,91  | 466 | 14:01:59 | 104,11 | 521 | 14:06:34 | 61,01  |
| 302 | 13:48:19 | 68,18  | 357 | 13:52:54 | 101,69 | 412 | 13:57:29 | 83,01  | 467 | 14:02:04 | 87,52  | 522 | 14:06:39 | 57,60  |
| 303 | 13:48:24 | 66,42  | 358 | 13:52:59 | 87,18  | 413 | 13:57:34 | 82,50  | 468 | 14:02:09 | 105,36 | 523 | 14:06:44 | 55,49  |
| 304 | 13:48:29 | 60,76  | 359 | 13:53:04 | 84,84  | 414 | 13:57:39 | 78,74  | 469 | 14:02:14 | 106,62 | 524 | 14:06:49 | 56,84  |
| 305 | 13:48:34 | 72,00  | 360 | 13:53:09 | 80,94  | 415 | 13:57:44 | 78,38  | 470 | 14:02:19 | 102,17 | 525 | 14:06:54 | 54,53  |
| 306 | 13:48:39 | 77,82  | 361 | 13:53:14 | 84,70  | 416 | 13:57:49 | 82,21  | 471 | 14:02:24 | 100,27 | 526 | 14:06:59 | 54,84  |
| 307 | 13:48:44 | 77,99  | 362 | 13:53:19 | 85,59  | 417 | 13:57:54 | 74,93  | 472 | 14:02:29 | 102,81 | 527 | 14:07:04 | 53,20  |
| 308 | 13:48:49 | 80,41  | 363 | 13:53:24 | 108,39 | 418 | 13:57:59 | 85,12  | 473 | 14:02:34 | 104,40 | 528 | 14:07:09 | 54,98  |
| 309 | 13:48:54 | 69,30  | 364 | 13:53:29 | 101,31 | 419 | 13:58:04 | 82,64  | 474 | 14:02:39 | 104,04 | 529 | 14:07:14 | 59,63  |
| 310 | 13:48:59 | 77,55  | 365 | 13:53:34 | 95,94  | 420 | 13:58:09 | 74,31  | 475 | 14:02:44 | 104,46 | 530 | 14:07:19 | 65,27  |
| 311 | 13:49:04 | 77,85  | 366 | 13:53:39 | 103,65 | 421 | 13:58:14 | 57,08  | 476 | 14:02:49 | 105,58 | 531 | 14:07:24 | 55,85  |
| 312 | 13:49:09 | 73,71  | 367 | 13:53:44 | 103,07 | 422 | 13:58:19 | 72,39  | 477 | 14:02:54 | 91,61  | 532 | 14:07:29 | 52,91  |
| 313 | 13:49:14 | 69,85  | 368 | 13:53:49 | 102,31 | 423 | 13:58:24 | 71,72  | 478 | 14:02:59 | 103,73 | 533 | 14:07:34 | 75,25  |
| 314 | 13:49:19 | 69,98  | 369 | 13:53:54 | 88,13  | 424 | 13:58:29 | 59,14  | 479 | 14:03:04 | 102,48 | 534 | 14:07:39 | 73,98  |
| 315 | 13:49:24 | 98,90  | 370 | 13:53:59 | 101,36 | 425 | 13:58:34 | 59,65  | 480 | 14:03:09 | 103,82 | 535 | 14:07:44 | 73,36  |
| 316 | 13:49:29 | 104,52 | 371 | 13:54:04 | 105,86 | 426 | 13:58:39 | 63,46  | 481 | 14:03:14 | 99,53  | 536 | 14:07:49 | 75,51  |
| 317 | 13:49:34 | 104,51 | 372 | 13:54:09 | 99,99  | 427 | 13:58:44 | 63,42  | 482 | 14:03:19 | 103,91 | 537 | 14:07:54 | 73,53  |
| 318 | 13:49:39 | 105,39 | 373 | 13:54:14 | 88,05  | 428 | 13:58:49 | 64,11  | 483 | 14:03:24 | 103,98 | 538 | 14:07:59 | 76,65  |
| 319 | 13:49:44 | 103,80 | 374 | 13:54:19 | 105,73 | 429 | 13:58:54 | 70,19  | 484 | 14:03:29 | 99,54  | 539 | 14:08:04 | 77,78  |
| 320 | 13:49:49 | 103,82 | 375 | 13:54:24 | 105,67 | 430 | 13:58:59 | 65,11  | 485 | 14:03:34 | 90,90  | 540 | 14:08:09 | 79,11  |
| 321 | 13:49:54 | 108,63 | 376 | 13:54:29 | 105,94 | 431 | 13:59:04 | 71,02  | 486 | 14:03:39 | 89,05  | 541 | 14:08:14 | 76,90  |
| 322 | 13:49:59 | 105,92 | 377 | 13:54:34 | 107,73 | 432 | 13:59:09 | 99,25  | 487 | 14:03:44 | 86,40  | 542 | 14:08:19 | 75,23  |
| 323 | 13:50:04 | 102,33 | 378 | 13:54:39 | 99,66  | 433 | 13:59:14 | 107,12 | 488 | 14:03:49 | 72,16  | 543 | 14:08:24 | 70,51  |
| 324 | 13:50:09 | 98,23  | 379 | 13:54:44 | 103,30 | 434 | 13:59:19 | 106,04 | 489 | 14:03:54 | 71,34  | 544 | 14:08:29 | 73,04  |
| 325 | 13:50:14 | 90,79  | 380 | 13:54:49 | 105,32 | 435 | 13:59:24 | 96,09  | 490 | 14:03:59 | 68,82  | 545 | 14:08:34 | 77,67  |
| 326 | 13:50:19 | 107,18 | 381 | 13:54:54 | 104,88 | 436 | 13:59:29 | 105,97 | 491 | 14:04:04 | 61,32  | 546 | 14:08:39 | 82,27  |
| 327 | 13:50:24 | 105,11 | 382 | 13:54:59 | 88,74  | 437 | 13:59:34 | 105,16 | 492 | 14:04:09 | 70,00  | 547 | 14:08:44 | 77,07  |
| 328 | 13:50:29 | 103,00 | 383 | 13:55:04 | 85,94  | 438 | 13:59:39 | 101,90 | 493 | 14:04:14 | 64,05  | 548 | 14:08:49 | 68,74  |
| 329 | 13:50:34 | 102,89 | 384 | 13:55:09 | 100,20 | 439 | 13:59:44 | 88,35  | 494 | 14:04:19 | 62,39  | 549 | 14:08:54 | 85,56  |
| 330 | 13:50:39 | 87,89  | 385 | 13:55:14 | 106,42 | 440 | 13:59:49 | 100,85 | 495 | 14:04:24 | 61,16  | 550 | 14:08:59 | 91,02  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|-----|----------|--------|
| 551 | 14:09:04 | 93,10  | 606 | 14:13:39 | 67,24  | 661 | 14:18:14 | 64,65  | 716 | 14:22:49 | 85,56  | 771 | 14:27:24 | 82,15  |
| 552 | 14:09:09 | 86,51  | 607 | 14:13:44 | 77,23  | 662 | 14:18:19 | 62,12  | 717 | 14:22:54 | 81,75  | 772 | 14:27:29 | 106,25 |
| 553 | 14:09:14 | 86,99  | 608 | 14:13:49 | 75,01  | 663 | 14:18:24 | 61,36  | 718 | 14:22:59 | 82,13  | 773 | 14:27:34 | 106,02 |
| 554 | 14:09:19 | 82,18  | 609 | 14:13:54 | 63,39  | 664 | 14:18:29 | 62,74  | 719 | 14:23:04 | 76,13  | 774 | 14:27:39 | 105,65 |
| 555 | 14:09:24 | 90,29  | 610 | 14:13:59 | 72,10  | 665 | 14:18:34 | 61,39  | 720 | 14:23:09 | 71,19  | 775 | 14:27:44 | 105,74 |
| 556 | 14:09:29 | 92,83  | 611 | 14:14:04 | 73,20  | 666 | 14:18:39 | 59,89  | 721 | 14:23:14 | 73,30  | 776 | 14:27:49 | 103,10 |
| 557 | 14:09:34 | 85,21  | 612 | 14:14:09 | 71,36  | 667 | 14:18:44 | 60,89  | 722 | 14:23:19 | 71,51  | 777 | 14:27:54 | 102,54 |
| 558 | 14:09:39 | 87,96  | 613 | 14:14:14 | 74,60  | 668 | 14:18:49 | 58,27  | 723 | 14:23:24 | 71,99  | 778 | 14:27:59 | 95,39  |
| 559 | 14:09:44 | 88,54  | 614 | 14:14:19 | 72,57  | 669 | 14:18:54 | 51,87  | 724 | 14:23:29 | 69,35  | 779 | 14:28:04 | 97,86  |
| 560 | 14:09:49 | 75,85  | 615 | 14:14:24 | 76,86  | 670 | 14:18:59 | 59,18  | 725 | 14:23:34 | 77,16  | 780 | 14:28:09 | 105,18 |
| 561 | 14:09:54 | 82,41  | 616 | 14:14:29 | 68,96  | 671 | 14:19:04 | 58,25  | 726 | 14:23:39 | 78,09  | 781 | 14:28:14 | 105,68 |
| 562 | 14:09:59 | 77,68  | 617 | 14:14:34 | 57,61  | 672 | 14:19:09 | 59,20  | 727 | 14:23:44 | 77,00  | 782 | 14:28:19 | 105,55 |
| 563 | 14:10:04 | 73,22  | 618 | 14:14:39 | 61,72  | 673 | 14:19:14 | 61,14  | 728 | 14:23:49 | 77,34  | 783 | 14:28:24 | 104,40 |
| 564 | 14:10:09 | 82,09  | 619 | 14:14:44 | 66,66  | 674 | 14:19:19 | 64,77  | 729 | 14:23:54 | 79,16  | 784 | 14:28:29 | 104,38 |
| 565 | 14:10:14 | 80,54  | 620 | 14:14:49 | 63,58  | 675 | 14:19:24 | 75,80  | 730 | 14:23:59 | 80,27  | 785 | 14:28:34 | 89,86  |
| 566 | 14:10:19 | 83,47  | 621 | 14:14:54 | 53,65  | 676 | 14:19:29 | 80,43  | 731 | 14:24:04 | 75,46  | 786 | 14:28:39 | 87,45  |
| 567 | 14:10:24 | 72,41  | 622 | 14:14:59 | 51,80  | 677 | 14:19:34 | 75,92  | 732 | 14:24:09 | 74,30  | 787 | 14:28:44 | 105,20 |
| 568 | 14:10:29 | 70,91  | 623 | 14:15:04 | 60,62  | 678 | 14:19:39 | 66,25  | 733 | 14:24:14 | 70,89  | 788 | 14:28:49 | 108,06 |
| 569 | 14:10:34 | 71,49  | 624 | 14:15:09 | 60,42  | 679 | 14:19:44 | 72,31  | 734 | 14:24:19 | 75,49  | 789 | 14:28:54 | 104,52 |
| 570 | 14:10:39 | 81,91  | 625 | 14:15:14 | 69,70  | 680 | 14:19:49 | 78,13  | 735 | 14:24:24 | 68,47  | 790 | 14:28:59 | 108,04 |
| 571 | 14:10:44 | 81,29  | 626 | 14:15:19 | 80,49  | 681 | 14:19:54 | 84,00  | 736 | 14:24:29 | 82,23  | 791 | 14:29:04 | 96,35  |
| 572 | 14:10:49 | 82,59  | 627 | 14:15:24 | 74,13  | 682 | 14:19:59 | 75,95  | 737 | 14:24:34 | 84,70  | 792 | 14:29:09 | 95,06  |
| 573 | 14:10:54 | 70,67  | 628 | 14:15:29 | 71,76  | 683 | 14:20:04 | 60,50  | 738 | 14:24:39 | 75,70  | 793 | 14:29:14 | 105,49 |
| 574 | 14:10:59 | 69,88  | 629 | 14:15:34 | 70,44  | 684 | 14:20:09 | 67,09  | 739 | 14:24:44 | 73,09  | 794 | 14:29:19 | 103,47 |
| 575 | 14:11:04 | 79,24  | 630 | 14:15:39 | 59,64  | 685 | 14:20:14 | 85,25  | 740 | 14:24:49 | 66,74  | 795 | 14:29:24 | 106,07 |
| 576 | 14:11:09 | 77,33  | 631 | 14:15:44 | 69,46  | 686 | 14:20:19 | 78,48  | 741 | 14:24:54 | 74,34  | 796 | 14:29:29 | 98,93  |
| 577 | 14:11:14 | 82,43  | 632 | 14:15:49 | 70,44  | 687 | 14:20:24 | 73,77  | 742 | 14:24:59 | 60,66  | 797 | 14:29:34 | 90,13  |
| 578 | 14:11:19 | 81,57  | 633 | 14:15:54 | 71,23  | 688 | 14:20:29 | 70,21  | 743 | 14:25:04 | 58,56  | 798 | 14:29:39 | 86,86  |
| 579 | 14:11:24 | 77,54  | 634 | 14:15:59 | 60,43  | 689 | 14:20:34 | 73,93  | 744 | 14:25:09 | 60,85  | 799 | 14:29:44 | 99,93  |
| 580 | 14:11:29 | 82,00  | 635 | 14:16:04 | 61,93  | 690 | 14:20:39 | 82,27  | 745 | 14:25:14 | 56,46  | 800 | 14:29:49 | 108,21 |
| 581 | 14:11:34 | 80,42  | 636 | 14:16:09 | 64,53  | 691 | 14:20:44 | 76,97  | 746 | 14:25:19 | 59,57  | 801 | 14:29:54 | 107,38 |
| 582 | 14:11:39 | 80,12  | 637 | 14:16:14 | 67,11  | 692 | 14:20:49 | 66,90  | 747 | 14:25:24 | 66,84  | 802 | 14:29:59 | 101,62 |
| 583 | 14:11:44 | 64,83  | 638 | 14:16:19 | 65,52  | 693 | 14:20:54 | 58,19  | 748 | 14:25:29 | 75,53  | 803 | 14:30:04 | 88,00  |
| 584 | 14:11:49 | 74,07  | 639 | 14:16:24 | 69,68  | 694 | 14:20:59 | 69,00  | 749 | 14:25:34 | 69,41  | 804 | 14:30:09 | 95,90  |
| 585 | 14:11:54 | 67,55  | 640 | 14:16:29 | 69,63  | 695 | 14:21:04 | 77,93  | 750 | 14:25:39 | 94,40  | 805 | 14:30:14 | 102,81 |
| 586 | 14:11:59 | 73,20  | 641 | 14:16:34 | 62,61  | 696 | 14:21:09 | 81,99  | 751 | 14:25:44 | 93,02  | 806 | 14:30:19 | 106,20 |
| 587 | 14:12:04 | 74,85  | 642 | 14:16:39 | 57,66  | 697 | 14:21:14 | 86,32  | 752 | 14:25:49 | 83,25  | 807 | 14:30:24 | 103,49 |
| 588 | 14:12:09 | 73,32  | 643 | 14:16:44 | 61,99  | 698 | 14:21:19 | 79,94  | 753 | 14:25:54 | 80,48  | 808 | 14:30:29 | 92,07  |
| 589 | 14:12:14 | 73,42  | 644 | 14:16:49 | 62,69  | 699 | 14:21:24 | 78,88  | 754 | 14:25:59 | 69,97  | 809 | 14:30:34 | 111,59 |
| 590 | 14:12:19 | 79,15  | 645 | 14:16:54 | 70,83  | 700 | 14:21:29 | 74,62  | 755 | 14:26:04 | 66,77  | 810 | 14:30:39 | 112,41 |
| 591 | 14:12:24 | 79,00  | 646 | 14:16:59 | 75,92  | 701 | 14:21:34 | 69,87  | 756 | 14:26:09 | 72,90  | 811 | 14:30:44 | 113,01 |
| 592 | 14:12:29 | 80,73  | 647 | 14:17:04 | 88,52  | 702 | 14:21:39 | 74,03  | 757 | 14:26:14 | 67,73  | 812 | 14:30:49 | 110,65 |
| 593 | 14:12:34 | 76,01  | 648 | 14:17:09 | 75,60  | 703 | 14:21:44 | 63,28  | 758 | 14:26:19 | 64,96  | 813 | 14:30:54 | 97,49  |
| 594 | 14:12:39 | 77,00  | 649 | 14:17:14 | 59,86  | 704 | 14:21:49 | 85,18  | 759 | 14:26:24 | 55,97  | 814 | 14:30:59 | 82,89  |
| 595 | 14:12:44 | 78,75  | 650 | 14:17:19 | 59,72  | 705 | 14:21:54 | 77,78  | 760 | 14:26:29 | 53,71  | 815 | 14:31:04 | 90,56  |
| 596 | 14:12:49 | 78,22  | 651 | 14:17:24 | 62,40  | 706 | 14:21:59 | 89,82  | 761 | 14:26:34 | 76,86  | 816 | 14:31:09 | 83,02  |
| 597 | 14:12:54 | 78,40  | 652 | 14:17:29 | 56,88  | 707 | 14:22:04 | 76,81  | 762 | 14:26:39 | 62,38  | 817 | 14:31:14 | 81,49  |
| 598 | 14:12:59 | 78,53  | 653 | 14:17:34 | 66,34  | 708 | 14:22:09 | 81,21  | 763 | 14:26:44 | 68,03  | 818 | 14:31:19 | 81,13  |
| 599 | 14:13:04 | 74,97  | 654 | 14:17:39 | 64,62  | 709 | 14:22:14 | 75,68  | 764 | 14:26:49 | 68,65  | 819 | 14:31:24 | 88,36  |
| 600 | 14:13:09 | 67,92  | 655 | 14:17:44 | 70,36  | 710 | 14:22:19 | 71,61  | 765 | 14:26:54 | 78,96  | 820 | 14:31:29 | 88,68  |
| 601 | 14:13:14 | 69,55  | 656 | 14:17:49 | 76,67  | 711 | 14:22:24 | 71,03  | 766 | 14:26:59 | 78,59  | 821 | 14:31:34 | 74,26  |
| 602 | 14:13:19 | 86,54  | 657 | 14:17:54 | 65,25  | 712 | 14:22:29 | 82,94  | 767 | 14:27:04 | 76,79  | 822 | 14:31:39 | 76,37  |
| 603 | 14:13:24 | 77,03  | 658 | 14:17:59 | 63,36  | 713 | 14:22:34 | 84,99  | 768 | 14:27:09 | 73,95  | 823 | 14:31:44 | 76,30  |
| 604 | 14:13:29 | 80,86  | 659 | 14:18:04 | 61,02  | 714 | 14:22:39 | 85,82  | 769 | 14:27:14 | 72,67  | 824 | 14:31:49 | 64,67  |
| 605 | 14:13:34 | 76,13  | 660 | 14:18:09 | 60,15  | 715 | 14:22:44 | 85,37  | 770 | 14:27:19 | 64,23  | 825 | 14:31:54 | 64,78  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|-----|----------|--------|-----|----------|--------|-----|----------|--------|------|----------|--------|------|----------|--------|
| 826 | 14:31:59 | 78,11  | 881 | 14:36:34 | 78,77  | 936 | 14:41:09 | 66,04  | 991  | 14:45:44 | 77,50  | 1046 | 14:50:19 | 57,17  |
| 827 | 14:32:04 | 67,64  | 882 | 14:36:39 | 74,24  | 937 | 14:41:14 | 72,99  | 992  | 14:45:49 | 74,84  | 1047 | 14:50:24 | 63,95  |
| 828 | 14:32:09 | 68,17  | 883 | 14:36:44 | 67,84  | 938 | 14:41:19 | 78,83  | 993  | 14:45:54 | 72,61  | 1048 | 14:50:29 | 71,75  |
| 829 | 14:32:14 | 85,78  | 884 | 14:36:49 | 71,01  | 939 | 14:41:24 | 81,19  | 994  | 14:45:59 | 79,74  | 1049 | 14:50:34 | 64,50  |
| 830 | 14:32:19 | 75,39  | 885 | 14:36:54 | 66,66  | 940 | 14:41:29 | 83,47  | 995  | 14:46:04 | 77,39  | 1050 | 14:50:39 | 68,70  |
| 831 | 14:32:24 | 71,89  | 886 | 14:36:59 | 67,60  | 941 | 14:41:34 | 79,16  | 996  | 14:46:09 | 77,68  | 1051 | 14:50:44 | 77,33  |
| 832 | 14:32:29 | 69,07  | 887 | 14:37:04 | 74,40  | 942 | 14:41:39 | 75,85  | 997  | 14:46:14 | 74,93  | 1052 | 14:50:49 | 76,27  |
| 833 | 14:32:34 | 69,08  | 888 | 14:37:09 | 68,87  | 943 | 14:41:44 | 75,94  | 998  | 14:46:19 | 73,81  | 1053 | 14:50:54 | 83,75  |
| 834 | 14:32:39 | 72,47  | 889 | 14:37:14 | 66,49  | 944 | 14:41:49 | 76,59  | 999  | 14:46:24 | 82,24  | 1054 | 14:50:59 | 86,62  |
| 835 | 14:32:44 | 74,12  | 890 | 14:37:19 | 78,91  | 945 | 14:41:54 | 72,80  | 1000 | 14:46:29 | 79,55  | 1055 | 14:51:04 | 82,44  |
| 836 | 14:32:49 | 80,96  | 891 | 14:37:24 | 81,33  | 946 | 14:41:59 | 69,56  | 1001 | 14:46:34 | 77,54  | 1056 | 14:51:09 | 78,41  |
| 837 | 14:32:54 | 71,86  | 892 | 14:37:29 | 82,92  | 947 | 14:42:04 | 66,55  | 1002 | 14:46:39 | 76,98  | 1057 | 14:51:14 | 82,31  |
| 838 | 14:32:59 | 65,33  | 893 | 14:37:34 | 83,55  | 948 | 14:42:09 | 76,40  | 1003 | 14:46:44 | 78,29  | 1058 | 14:51:19 | 84,21  |
| 839 | 14:33:04 | 65,24  | 894 | 14:37:39 | 82,41  | 949 | 14:42:14 | 74,35  | 1004 | 14:46:49 | 76,73  | 1059 | 14:51:24 | 80,31  |
| 840 | 14:33:09 | 69,63  | 895 | 14:37:44 | 83,45  | 950 | 14:42:19 | 76,35  | 1005 | 14:46:54 | 82,21  | 1060 | 14:51:29 | 75,40  |
| 841 | 14:33:14 | 68,25  | 896 | 14:37:49 | 83,33  | 951 | 14:42:24 | 75,95  | 1006 | 14:46:59 | 78,70  | 1061 | 14:51:34 | 64,61  |
| 842 | 14:33:19 | 72,13  | 897 | 14:37:54 | 83,91  | 952 | 14:42:29 | 71,95  | 1007 | 14:47:04 | 77,94  | 1062 | 14:51:39 | 84,12  |
| 843 | 14:33:24 | 76,85  | 898 | 14:37:59 | 84,45  | 953 | 14:42:34 | 69,52  | 1008 | 14:47:09 | 84,41  | 1063 | 14:51:44 | 78,90  |
| 844 | 14:33:29 | 71,69  | 899 | 14:38:04 | 73,88  | 954 | 14:42:39 | 76,45  | 1009 | 14:47:14 | 79,56  | 1064 | 14:51:49 | 76,62  |
| 845 | 14:33:34 | 68,73  | 900 | 14:38:09 | 80,86  | 955 | 14:42:44 | 76,31  | 1010 | 14:47:19 | 76,46  | 1065 | 14:51:54 | 74,73  |
| 846 | 14:33:39 | 67,35  | 901 | 14:38:14 | 75,53  | 956 | 14:42:49 | 73,11  | 1011 | 14:47:24 | 75,40  | 1066 | 14:51:59 | 70,78  |
| 847 | 14:33:44 | 79,90  | 902 | 14:38:19 | 73,21  | 957 | 14:42:54 | 73,16  | 1012 | 14:47:29 | 72,23  | 1067 | 14:52:04 | 72,65  |
| 848 | 14:33:49 | 76,10  | 903 | 14:38:24 | 64,26  | 958 | 14:42:59 | 75,50  | 1013 | 14:47:34 | 80,43  | 1068 | 14:52:09 | 70,96  |
| 849 | 14:33:54 | 67,43  | 904 | 14:38:29 | 68,50  | 959 | 14:43:04 | 74,63  | 1014 | 14:47:39 | 77,27  | 1069 | 14:52:14 | 77,79  |
| 850 | 14:33:59 | 75,54  | 905 | 14:38:34 | 81,77  | 960 | 14:43:09 | 68,54  | 1015 | 14:47:44 | 84,65  | 1070 | 14:52:19 | 69,10  |
| 851 | 14:34:04 | 70,39  | 906 | 14:38:39 | 76,51  | 961 | 14:43:14 | 73,92  | 1016 | 14:47:49 | 81,27  | 1071 | 14:52:24 | 75,07  |
| 852 | 14:34:09 | 71,37  | 907 | 14:38:44 | 68,56  | 962 | 14:43:19 | 73,33  | 1017 | 14:47:54 | 81,43  | 1072 | 14:52:29 | 75,06  |
| 853 | 14:34:14 | 74,69  | 908 | 14:38:49 | 77,96  | 963 | 14:43:24 | 70,50  | 1018 | 14:47:59 | 73,80  | 1073 | 14:52:34 | 71,59  |
| 854 | 14:34:19 | 75,72  | 909 | 14:38:54 | 76,92  | 964 | 14:43:29 | 72,20  | 1019 | 14:48:04 | 78,45  | 1074 | 14:52:39 | 70,29  |
| 855 | 14:34:24 | 84,68  | 910 | 14:38:59 | 69,49  | 965 | 14:43:34 | 74,14  | 1020 | 14:48:09 | 72,90  | 1075 | 14:52:44 | 62,14  |
| 856 | 14:34:29 | 84,80  | 911 | 14:39:04 | 63,04  | 966 | 14:43:39 | 73,93  | 1021 | 14:48:14 | 76,97  | 1076 | 14:52:49 | 61,96  |
| 857 | 14:34:34 | 87,87  | 912 | 14:39:09 | 70,75  | 967 | 14:43:44 | 86,69  | 1022 | 14:48:19 | 70,39  | 1077 | 14:52:54 | 68,28  |
| 858 | 14:34:39 | 89,68  | 913 | 14:39:14 | 64,36  | 968 | 14:43:49 | 83,58  | 1023 | 14:48:24 | 79,38  | 1078 | 14:52:59 | 70,82  |
| 859 | 14:34:44 | 103,14 | 914 | 14:39:19 | 60,82  | 969 | 14:43:54 | 83,53  | 1024 | 14:48:29 | 74,36  | 1079 | 14:53:04 | 72,45  |
| 860 | 14:34:49 | 93,34  | 915 | 14:39:24 | 75,73  | 970 | 14:43:59 | 78,09  | 1025 | 14:48:34 | 78,35  | 1080 | 14:53:09 | 79,41  |
| 861 | 14:34:54 | 76,52  | 916 | 14:39:29 | 83,82  | 971 | 14:44:04 | 71,51  | 1026 | 14:48:39 | 72,66  | 1081 | 14:53:14 | 75,80  |
| 862 | 14:34:59 | 75,69  | 917 | 14:39:34 | 86,45  | 972 | 14:44:09 | 71,70  | 1027 | 14:48:44 | 72,47  | 1082 | 14:53:19 | 73,61  |
| 863 | 14:35:04 | 80,18  | 918 | 14:39:39 | 72,16  | 973 | 14:44:14 | 70,14  | 1028 | 14:48:49 | 76,51  | 1083 | 14:53:24 | 71,65  |
| 864 | 14:35:09 | 79,35  | 919 | 14:39:44 | 70,77  | 974 | 14:44:19 | 78,60  | 1029 | 14:48:54 | 76,02  | 1084 | 14:53:29 | 70,25  |
| 865 | 14:35:14 | 78,00  | 920 | 14:39:49 | 83,25  | 975 | 14:44:24 | 81,93  | 1030 | 14:48:59 | 77,28  | 1085 | 14:53:34 | 69,00  |
| 866 | 14:35:19 | 75,97  | 921 | 14:39:54 | 71,35  | 976 | 14:44:29 | 81,77  | 1031 | 14:49:04 | 76,68  | 1086 | 14:53:39 | 73,55  |
| 867 | 14:35:24 | 75,99  | 922 | 14:39:59 | 64,52  | 977 | 14:44:34 | 78,82  | 1032 | 14:49:09 | 71,93  | 1087 | 14:53:44 | 66,82  |
| 868 | 14:35:29 | 71,80  | 923 | 14:40:04 | 77,18  | 978 | 14:44:39 | 82,19  | 1033 | 14:49:14 | 70,97  | 1088 | 14:53:49 | 70,42  |
| 869 | 14:35:34 | 82,46  | 924 | 14:40:09 | 82,14  | 979 | 14:44:44 | 81,67  | 1034 | 14:49:19 | 67,75  | 1089 | 14:53:54 | 68,23  |
| 870 | 14:35:39 | 81,97  | 925 | 14:40:14 | 82,49  | 980 | 14:44:49 | 79,24  | 1035 | 14:49:24 | 68,97  | 1090 | 14:53:59 | 63,38  |
| 871 | 14:35:44 | 77,17  | 926 | 14:40:19 | 76,43  | 981 | 14:44:54 | 80,02  | 1036 | 14:49:29 | 64,96  | 1091 | 14:54:04 | 63,59  |
| 872 | 14:35:49 | 71,77  | 927 | 14:40:24 | 68,77  | 982 | 14:44:59 | 79,78  | 1037 | 14:49:34 | 69,51  | 1092 | 14:54:09 | 70,67  |
| 873 | 14:35:54 | 68,61  | 928 | 14:40:29 | 74,82  | 983 | 14:45:04 | 84,68  | 1038 | 14:49:39 | 67,68  | 1093 | 14:54:14 | 64,28  |
| 874 | 14:35:59 | 77,25  | 929 | 14:40:34 | 77,12  | 984 | 14:45:09 | 82,70  | 1039 | 14:49:44 | 71,33  | 1094 | 14:54:19 | 61,18  |
| 875 | 14:36:04 | 83,20  | 930 | 14:40:39 | 73,42  | 985 | 14:45:14 | 79,81  | 1040 | 14:49:49 | 75,02  | 1095 | 14:54:24 | 63,44  |
| 876 | 14:36:09 | 87,05  | 931 | 14:40:44 | 76,97  | 986 | 14:45:19 | 82,21  | 1041 | 14:49:54 | 69,21  | 1096 | 14:54:29 | 68,08  |
| 877 | 14:36:14 | 91,10  | 932 | 14:40:49 | 71,05  | 987 | 14:45:24 | 81,68  | 1042 | 14:49:59 | 70,12  | 1097 | 14:54:34 | 66,96  |
| 878 | 14:36:19 | 79,01  | 933 | 14:40:54 | 69,42  | 988 | 14:45:29 | 81,77  | 1043 | 14:50:04 | 70,72  | 1098 | 14:54:39 | 70,21  |
| 879 | 14:36:24 | 87,42  | 934 | 14:40:59 | 61,83  | 989 | 14:45:34 | 79,37  | 1044 | 14:50:09 | 67,10  | 1099 | 14:54:44 | 70,28  |
| 880 | 14:36:29 | 88,15  | 935 | 14:41:04 | 74,71  | 990 | 14:45:39 | 82,14  | 1045 | 14:50:14 | 61,98  | 1100 | 14:54:49 | 69,54  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1101 | 14:54:54 | 79,19  | 1156 | 14:59:29 | 95,10  | 1211 | 15:04:04 | 108,77 | 1266 | 15:08:39 | 92,99  | 1321 | 15:13:14 | 60,19  |
| 1102 | 14:54:59 | 74,08  | 1157 | 14:59:34 | 86,08  | 1212 | 15:04:09 | 104,98 | 1267 | 15:08:44 | 100,59 | 1322 | 15:13:19 | 75,86  |
| 1103 | 14:55:04 | 72,48  | 1158 | 14:59:39 | 105,35 | 1213 | 15:04:14 | 91,64  | 1268 | 15:08:49 | 101,14 | 1323 | 15:13:24 | 73,05  |
| 1104 | 14:55:09 | 68,42  | 1159 | 14:59:44 | 110,33 | 1214 | 15:04:19 | 86,03  | 1269 | 15:08:54 | 100,34 | 1324 | 15:13:29 | 78,31  |
| 1105 | 14:55:14 | 68,62  | 1160 | 14:59:49 | 99,75  | 1215 | 15:04:24 | 84,90  | 1270 | 15:08:59 | 103,07 | 1325 | 15:13:34 | 64,69  |
| 1106 | 14:55:19 | 73,85  | 1161 | 14:59:54 | 84,66  | 1216 | 15:04:29 | 90,75  | 1271 | 15:09:04 | 97,04  | 1326 | 15:13:39 | 58,28  |
| 1107 | 14:55:24 | 77,44  | 1162 | 14:59:59 | 88,25  | 1217 | 15:04:34 | 88,02  | 1272 | 15:09:09 | 104,79 | 1327 | 15:13:44 | 58,25  |
| 1108 | 14:55:29 | 74,46  | 1163 | 15:00:04 | 89,07  | 1218 | 15:04:39 | 88,06  | 1273 | 15:09:14 | 108,76 | 1328 | 15:13:49 | 64,91  |
| 1109 | 14:55:34 | 73,85  | 1164 | 15:00:09 | 89,48  | 1219 | 15:04:44 | 107,63 | 1274 | 15:09:19 | 106,38 | 1329 | 15:13:54 | 74,09  |
| 1110 | 14:55:39 | 67,21  | 1165 | 15:00:14 | 85,06  | 1220 | 15:04:49 | 106,88 | 1275 | 15:09:24 | 100,16 | 1330 | 15:13:59 | 82,85  |
| 1111 | 14:55:44 | 80,81  | 1166 | 15:00:19 | 104,77 | 1221 | 15:04:54 | 107,15 | 1276 | 15:09:29 | 95,33  | 1331 | 15:14:04 | 78,31  |
| 1112 | 14:55:49 | 112,96 | 1167 | 15:00:24 | 110,56 | 1222 | 15:04:59 | 108,30 | 1277 | 15:09:34 | 97,70  | 1332 | 15:14:09 | 77,52  |
| 1113 | 14:55:54 | 107,78 | 1168 | 15:00:29 | 108,88 | 1223 | 15:05:04 | 105,84 | 1278 | 15:09:39 | 106,08 | 1333 | 15:14:14 | 83,57  |
| 1114 | 14:55:59 | 108,84 | 1169 | 15:00:34 | 101,46 | 1224 | 15:05:09 | 89,09  | 1279 | 15:09:44 | 103,37 | 1334 | 15:14:19 | 76,50  |
| 1115 | 14:56:04 | 101,64 | 1170 | 15:00:39 | 102,83 | 1225 | 15:05:14 | 101,36 | 1280 | 15:09:49 | 101,15 | 1335 | 15:14:24 | 85,38  |
| 1116 | 14:56:09 | 110,30 | 1171 | 15:00:44 | 98,23  | 1226 | 15:05:19 | 102,22 | 1281 | 15:09:54 | 97,45  | 1336 | 15:14:29 | 74,38  |
| 1117 | 14:56:14 | 103,26 | 1172 | 15:00:49 | 76,86  | 1227 | 15:05:24 | 105,94 | 1282 | 15:09:59 | 88,93  | 1337 | 15:14:34 | 58,63  |
| 1118 | 14:56:19 | 88,91  | 1173 | 15:00:54 | 66,93  | 1228 | 15:05:29 | 94,01  | 1283 | 15:10:04 | 83,39  | 1338 | 15:14:39 | 70,75  |
| 1119 | 14:56:24 | 109,04 | 1174 | 15:00:59 | 81,05  | 1229 | 15:05:34 | 74,21  | 1284 | 15:10:09 | 101,54 | 1339 | 15:14:44 | 101,38 |
| 1120 | 14:56:29 | 92,71  | 1175 | 15:01:04 | 81,76  | 1230 | 15:05:39 | 61,21  | 1285 | 15:10:14 | 99,69  | 1340 | 15:14:49 | 104,41 |
| 1121 | 14:56:34 | 106,20 | 1176 | 15:01:09 | 81,81  | 1231 | 15:05:44 | 58,62  | 1286 | 15:10:19 | 89,63  | 1341 | 15:14:54 | 107,49 |
| 1122 | 14:56:39 | 94,39  | 1177 | 15:01:14 | 96,31  | 1232 | 15:05:49 | 72,10  | 1287 | 15:10:24 | 95,11  | 1342 | 15:14:59 | 101,67 |
| 1123 | 14:56:44 | 99,51  | 1178 | 15:01:19 | 111,32 | 1233 | 15:05:54 | 57,43  | 1288 | 15:10:29 | 105,04 | 1343 | 15:15:04 | 107,41 |
| 1124 | 14:56:49 | 106,03 | 1179 | 15:01:24 | 107,27 | 1234 | 15:05:59 | 57,73  | 1289 | 15:10:34 | 103,53 | 1344 | 15:15:09 | 103,85 |
| 1125 | 14:56:54 | 99,60  | 1180 | 15:01:29 | 93,49  | 1235 | 15:06:04 | 51,35  | 1290 | 15:10:39 | 99,27  | 1345 | 15:15:14 | 91,28  |
| 1126 | 14:56:59 | 89,06  | 1181 | 15:01:34 | 107,46 | 1236 | 15:06:09 | 57,36  | 1291 | 15:10:44 | 100,43 | 1346 | 15:15:19 | 91,22  |
| 1127 | 14:57:04 | 86,82  | 1182 | 15:01:39 | 109,01 | 1237 | 15:06:14 | 67,33  | 1292 | 15:10:49 | 103,05 | 1347 | 15:15:24 | 104,00 |
| 1128 | 14:57:09 | 98,39  | 1183 | 15:01:44 | 106,77 | 1238 | 15:06:19 | 64,37  | 1293 | 15:10:54 | 104,88 | 1348 | 15:15:29 | 102,51 |
| 1129 | 14:57:14 | 105,91 | 1184 | 15:01:49 | 107,24 | 1239 | 15:06:24 | 56,61  | 1294 | 15:10:59 | 91,31  | 1349 | 15:15:34 | 87,63  |
| 1130 | 14:57:19 | 105,80 | 1185 | 15:01:54 | 100,17 | 1240 | 15:06:29 | 65,58  | 1295 | 15:11:04 | 87,84  | 1350 | 15:15:39 | 87,20  |
| 1131 | 14:57:24 | 106,06 | 1186 | 15:01:59 | 107,27 | 1241 | 15:06:34 | 75,85  | 1296 | 15:11:09 | 93,27  | 1351 | 15:15:44 | 104,18 |
| 1132 | 14:57:29 | 98,33  | 1187 | 15:02:04 | 104,85 | 1242 | 15:06:39 | 87,07  | 1297 | 15:11:14 | 90,29  | 1352 | 15:15:49 | 96,32  |
| 1133 | 14:57:34 | 90,49  | 1188 | 15:02:09 | 92,97  | 1243 | 15:06:44 | 82,60  | 1298 | 15:11:19 | 90,63  | 1353 | 15:15:54 | 95,83  |
| 1134 | 14:57:39 | 107,58 | 1189 | 15:02:14 | 94,57  | 1244 | 15:06:49 | 90,15  | 1299 | 15:11:24 | 97,08  | 1354 | 15:15:59 | 91,83  |
| 1135 | 14:57:44 | 105,06 | 1190 | 15:02:19 | 101,81 | 1245 | 15:06:54 | 93,13  | 1300 | 15:11:29 | 99,61  | 1355 | 15:16:04 | 100,29 |
| 1136 | 14:57:49 | 89,28  | 1191 | 15:02:24 | 98,89  | 1246 | 15:06:59 | 93,28  | 1301 | 15:11:34 | 98,95  | 1356 | 15:16:09 | 97,90  |
| 1137 | 14:57:54 | 85,49  | 1192 | 15:02:29 | 83,57  | 1247 | 15:07:04 | 97,15  | 1302 | 15:11:39 | 99,57  | 1357 | 15:16:14 | 82,59  |
| 1138 | 14:57:59 | 87,47  | 1193 | 15:02:34 | 95,26  | 1248 | 15:07:09 | 105,70 | 1303 | 15:11:44 | 104,05 | 1358 | 15:16:19 | 64,58  |
| 1139 | 14:58:04 | 87,67  | 1194 | 15:02:39 | 105,24 | 1249 | 15:07:14 | 101,29 | 1304 | 15:11:49 | 100,41 | 1359 | 15:16:24 | 57,27  |
| 1140 | 14:58:09 | 89,27  | 1195 | 15:02:44 | 90,18  | 1250 | 15:07:19 | 97,45  | 1305 | 15:11:54 | 89,92  | 1360 | 15:16:29 | 53,67  |
| 1141 | 14:58:14 | 87,58  | 1196 | 15:02:49 | 86,89  | 1251 | 15:07:24 | 96,03  | 1306 | 15:11:59 | 94,92  | 1361 | 15:16:34 | 75,21  |
| 1142 | 14:58:19 | 85,32  | 1197 | 15:02:54 | 89,11  | 1252 | 15:07:29 | 96,50  | 1307 | 15:12:04 | 99,52  | 1362 | 15:16:39 | 80,29  |
| 1143 | 14:58:24 | 86,70  | 1198 | 15:02:59 | 101,15 | 1253 | 15:07:34 | 101,61 | 1308 | 15:12:09 | 98,06  | 1363 | 15:16:44 | 103,63 |
| 1144 | 14:58:29 | 88,05  | 1199 | 15:03:04 | 94,27  | 1254 | 15:07:39 | 100,72 | 1309 | 15:12:14 | 97,65  | 1364 | 15:16:49 | 103,20 |
| 1145 | 14:58:34 | 85,01  | 1200 | 15:03:09 | 86,70  | 1255 | 15:07:44 | 100,16 | 1310 | 15:12:19 | 101,75 | 1365 | 15:16:54 | 104,46 |
| 1146 | 14:58:39 | 88,04  | 1201 | 15:03:14 | 87,04  | 1256 | 15:07:49 | 100,44 | 1311 | 15:12:24 | 103,98 | 1366 | 15:16:59 | 104,47 |
| 1147 | 14:58:44 | 88,49  | 1202 | 15:03:19 | 105,85 | 1257 | 15:07:54 | 98,69  | 1312 | 15:12:29 | 108,73 | 1367 | 15:17:04 | 102,51 |
| 1148 | 14:58:49 | 111,76 | 1203 | 15:03:24 | 107,84 | 1258 | 15:07:59 | 99,78  | 1313 | 15:12:34 | 100,24 | 1368 | 15:17:09 | 101,58 |
| 1149 | 14:58:54 | 108,09 | 1204 | 15:03:29 | 108,20 | 1259 | 15:08:04 | 98,97  | 1314 | 15:12:39 | 95,46  | 1369 | 15:17:14 | 102,37 |
| 1150 | 14:58:59 | 105,60 | 1205 | 15:03:34 | 108,99 | 1260 | 15:08:09 | 97,44  | 1315 | 15:12:44 | 92,03  | 1370 | 15:17:19 | 101,60 |
| 1151 | 14:59:04 | 101,44 | 1206 | 15:03:39 | 111,38 | 1261 | 15:08:14 | 91,12  | 1316 | 15:12:49 | 98,46  | 1371 | 15:17:24 | 103,62 |
| 1152 | 14:59:09 | 86,73  | 1207 | 15:03:44 | 105,90 | 1262 | 15:08:19 | 87,61  | 1317 | 15:12:54 | 101,67 | 1372 | 15:17:29 | 103,26 |
| 1153 | 14:59:14 | 101,96 | 1208 | 15:03:49 | 104,19 | 1263 | 15:08:24 | 85,29  | 1318 | 15:12:59 | 106,59 | 1373 | 15:17:34 | 100,46 |
| 1154 | 14:59:19 | 107,22 | 1209 | 15:03:54 | 108,04 | 1264 | 15:08:29 | 87,44  | 1319 | 15:13:04 | 89,09  | 1374 | 15:17:39 | 103,29 |
| 1155 | 14:59:24 | 109,73 | 1210 | 15:03:59 | 107,02 | 1265 | 15:08:34 | 93,41  | 1320 | 15:13:09 | 67,90  | 1375 | 15:17:44 | 98,46  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1376 | 15:17:49 | 101,92 | 1431 | 15:22:24 | 76,29  | 1486 | 15:26:59 | 75,93  | 1541 | 15:31:34 | 78,54  | 1596 | 15:36:09 | 71,40  |
| 1377 | 15:17:54 | 101,77 | 1432 | 15:22:29 | 67,81  | 1487 | 15:27:04 | 69,16  | 1542 | 15:31:39 | 71,68  | 1597 | 15:36:14 | 90,11  |
| 1378 | 15:17:59 | 100,34 | 1433 | 15:22:34 | 74,20  | 1488 | 15:27:09 | 68,87  | 1543 | 15:31:44 | 71,61  | 1598 | 15:36:19 | 85,83  |
| 1379 | 15:18:04 | 102,73 | 1434 | 15:22:39 | 71,14  | 1489 | 15:27:14 | 68,65  | 1544 | 15:31:49 | 75,29  | 1599 | 15:36:24 | 83,77  |
| 1380 | 15:18:09 | 103,08 | 1435 | 15:22:44 | 70,79  | 1490 | 15:27:19 | 68,66  | 1545 | 15:31:54 | 73,45  | 1600 | 15:36:29 | 88,39  |
| 1381 | 15:18:14 | 86,48  | 1436 | 15:22:49 | 64,81  | 1491 | 15:27:24 | 76,63  | 1546 | 15:31:59 | 71,84  | 1601 | 15:36:34 | 103,98 |
| 1382 | 15:18:19 | 82,87  | 1437 | 15:22:54 | 79,51  | 1492 | 15:27:29 | 73,21  | 1547 | 15:32:04 | 77,02  | 1602 | 15:36:39 | 102,97 |
| 1383 | 15:18:24 | 101,31 | 1438 | 15:22:59 | 71,99  | 1493 | 15:27:34 | 77,29  | 1548 | 15:32:09 | 78,47  | 1603 | 15:36:44 | 103,44 |
| 1384 | 15:18:29 | 108,39 | 1439 | 15:23:04 | 64,09  | 1494 | 15:27:39 | 87,26  | 1549 | 15:32:14 | 76,59  | 1604 | 15:36:49 | 104,18 |
| 1385 | 15:18:34 | 116,41 | 1440 | 15:23:09 | 70,84  | 1495 | 15:27:44 | 88,93  | 1550 | 15:32:19 | 75,71  | 1605 | 15:36:54 | 103,40 |
| 1386 | 15:18:39 | 114,81 | 1441 | 15:23:14 | 64,01  | 1496 | 15:27:49 | 84,31  | 1551 | 15:32:24 | 75,24  | 1606 | 15:36:59 | 102,39 |
| 1387 | 15:18:44 | 106,06 | 1442 | 15:23:19 | 64,68  | 1497 | 15:27:54 | 75,48  | 1552 | 15:32:29 | 71,88  | 1607 | 15:37:04 | 104,34 |
| 1388 | 15:18:49 | 112,60 | 1443 | 15:23:24 | 66,47  | 1498 | 15:27:59 | 85,01  | 1553 | 15:32:34 | 84,91  | 1608 | 15:37:09 | 104,51 |
| 1389 | 15:18:54 | 106,05 | 1444 | 15:23:29 | 59,13  | 1499 | 15:28:04 | 72,91  | 1554 | 15:32:39 | 80,01  | 1609 | 15:37:14 | 104,71 |
| 1390 | 15:18:59 | 109,18 | 1445 | 15:23:34 | 53,68  | 1500 | 15:28:09 | 74,21  | 1555 | 15:32:44 | 79,45  | 1610 | 15:37:19 | 103,52 |
| 1391 | 15:19:04 | 106,85 | 1446 | 15:23:39 | 62,59  | 1501 | 15:28:14 | 75,41  | 1556 | 15:32:49 | 73,80  | 1611 | 15:37:24 | 92,84  |
| 1392 | 15:19:09 | 106,37 | 1447 | 15:23:44 | 58,31  | 1502 | 15:28:19 | 75,77  | 1557 | 15:32:54 | 67,48  | 1612 | 15:37:29 | 102,13 |
| 1393 | 15:19:14 | 109,11 | 1448 | 15:23:49 | 74,20  | 1503 | 15:28:24 | 72,10  | 1558 | 15:32:59 | 70,06  | 1613 | 15:37:34 | 102,25 |
| 1394 | 15:19:19 | 112,68 | 1449 | 15:23:54 | 68,10  | 1504 | 15:28:29 | 68,84  | 1559 | 15:33:04 | 68,64  | 1614 | 15:37:39 | 89,54  |
| 1395 | 15:19:24 | 106,11 | 1450 | 15:23:59 | 70,47  | 1505 | 15:28:34 | 71,87  | 1560 | 15:33:09 | 63,59  | 1615 | 15:37:44 | 105,19 |
| 1396 | 15:19:29 | 105,31 | 1451 | 15:24:04 | 64,57  | 1506 | 15:28:39 | 81,42  | 1561 | 15:33:14 | 59,58  | 1616 | 15:37:49 | 105,12 |
| 1397 | 15:19:34 | 106,64 | 1452 | 15:24:09 | 69,44  | 1507 | 15:28:44 | 78,52  | 1562 | 15:33:19 | 70,17  | 1617 | 15:37:54 | 104,11 |
| 1398 | 15:19:39 | 97,63  | 1453 | 15:24:14 | 65,83  | 1508 | 15:28:49 | 76,74  | 1563 | 15:33:24 | 67,48  | 1618 | 15:37:59 | 103,53 |
| 1399 | 15:19:44 | 89,19  | 1454 | 15:24:19 | 65,64  | 1509 | 15:28:54 | 76,31  | 1564 | 15:33:29 | 80,51  | 1619 | 15:38:04 | 101,59 |
| 1400 | 15:19:49 | 96,87  | 1455 | 15:24:24 | 61,29  | 1510 | 15:28:59 | 73,49  | 1565 | 15:33:34 | 78,97  | 1620 | 15:38:09 | 101,18 |
| 1401 | 15:19:54 | 112,55 | 1456 | 15:24:29 | 65,92  | 1511 | 15:29:04 | 75,23  | 1566 | 15:33:39 | 75,89  | 1621 | 15:38:14 | 101,96 |
| 1402 | 15:19:59 | 109,02 | 1457 | 15:24:34 | 67,91  | 1512 | 15:29:09 | 76,71  | 1567 | 15:33:44 | 78,44  | 1622 | 15:38:19 | 95,25  |
| 1403 | 15:20:04 | 110,16 | 1458 | 15:24:39 | 75,37  | 1513 | 15:29:14 | 79,12  | 1568 | 15:33:49 | 65,18  | 1623 | 15:38:24 | 104,56 |
| 1404 | 15:20:09 | 98,66  | 1459 | 15:24:44 | 79,72  | 1514 | 15:29:19 | 80,00  | 1569 | 15:33:54 | 64,94  | 1624 | 15:38:29 | 104,75 |
| 1405 | 15:20:14 | 90,80  | 1460 | 15:24:49 | 71,22  | 1515 | 15:29:24 | 76,22  | 1570 | 15:33:59 | 65,74  | 1625 | 15:38:34 | 106,62 |
| 1406 | 15:20:19 | 92,45  | 1461 | 15:24:54 | 76,13  | 1516 | 15:29:29 | 76,95  | 1571 | 15:34:04 | 66,30  | 1626 | 15:38:39 | 105,72 |
| 1407 | 15:20:24 | 89,90  | 1462 | 15:24:59 | 78,16  | 1517 | 15:29:34 | 77,41  | 1572 | 15:34:09 | 70,57  | 1627 | 15:38:44 | 101,00 |
| 1408 | 15:20:29 | 89,03  | 1463 | 15:25:04 | 76,31  | 1518 | 15:29:39 | 82,88  | 1573 | 15:34:14 | 72,02  | 1628 | 15:38:49 | 105,65 |
| 1409 | 15:20:34 | 91,95  | 1464 | 15:25:09 | 82,73  | 1519 | 15:29:44 | 80,45  | 1574 | 15:34:19 | 66,10  | 1629 | 15:38:54 | 107,17 |
| 1410 | 15:20:39 | 109,88 | 1465 | 15:25:14 | 82,59  | 1520 | 15:29:49 | 73,23  | 1575 | 15:34:24 | 70,42  | 1630 | 15:38:59 | 106,79 |
| 1411 | 15:20:44 | 114,23 | 1466 | 15:25:19 | 75,74  | 1521 | 15:29:54 | 77,35  | 1576 | 15:34:29 | 69,90  | 1631 | 15:39:04 | 100,91 |
| 1412 | 15:20:49 | 115,66 | 1467 | 15:25:24 | 75,89  | 1522 | 15:29:59 | 81,94  | 1577 | 15:34:34 | 70,22  | 1632 | 15:39:09 | 87,25  |
| 1413 | 15:20:54 | 113,31 | 1468 | 15:25:29 | 65,58  | 1523 | 15:30:04 | 76,93  | 1578 | 15:34:39 | 64,73  | 1633 | 15:39:14 | 69,15  |
| 1414 | 15:20:59 | 103,87 | 1469 | 15:25:34 | 63,46  | 1524 | 15:30:09 | 76,82  | 1579 | 15:34:44 | 64,27  | 1634 | 15:39:19 | 72,21  |
| 1415 | 15:21:04 | 83,10  | 1470 | 15:25:39 | 61,59  | 1525 | 15:30:14 | 76,05  | 1580 | 15:34:49 | 76,24  | 1635 | 15:39:24 | 70,71  |
| 1416 | 15:21:09 | 68,86  | 1471 | 15:25:44 | 70,61  | 1526 | 15:30:19 | 79,87  | 1581 | 15:34:54 | 76,34  | 1636 | 15:39:29 | 74,02  |
| 1417 | 15:21:14 | 65,81  | 1472 | 15:25:49 | 70,42  | 1527 | 15:30:24 | 84,50  | 1582 | 15:34:59 | 74,85  | 1637 | 15:39:34 | 76,23  |
| 1418 | 15:21:19 | 63,11  | 1473 | 15:25:54 | 68,55  | 1528 | 15:30:29 | 80,44  | 1583 | 15:35:04 | 71,97  | 1638 | 15:39:39 | 69,08  |
| 1419 | 15:21:24 | 63,48  | 1474 | 15:25:59 | 65,82  | 1529 | 15:30:34 | 84,47  | 1584 | 15:35:09 | 70,98  | 1639 | 15:39:44 | 78,01  |
| 1420 | 15:21:29 | 68,44  | 1475 | 15:26:04 | 71,32  | 1530 | 15:30:39 | 75,30  | 1585 | 15:35:14 | 70,21  | 1640 | 15:39:49 | 67,93  |
| 1421 | 15:21:34 | 68,79  | 1476 | 15:26:09 | 71,21  | 1531 | 15:30:44 | 77,32  | 1586 | 15:35:19 | 74,90  | 1641 | 15:39:54 | 72,41  |
| 1422 | 15:21:39 | 68,15  | 1477 | 15:26:14 | 78,05  | 1532 | 15:30:49 | 74,11  | 1587 | 15:35:24 | 72,26  | 1642 | 15:39:59 | 67,09  |
| 1423 | 15:21:44 | 61,50  | 1478 | 15:26:19 | 82,96  | 1533 | 15:30:54 | 70,35  | 1588 | 15:35:29 | 68,54  | 1643 | 15:40:04 | 68,17  |
| 1424 | 15:21:49 | 62,55  | 1479 | 15:26:24 | 79,59  | 1534 | 15:30:59 | 73,78  | 1589 | 15:35:34 | 82,08  | 1644 | 15:40:09 | 67,06  |
| 1425 | 15:21:54 | 64,07  | 1480 | 15:26:29 | 79,40  | 1535 | 15:31:04 | 79,81  | 1590 | 15:35:39 | 73,90  | 1645 | 15:40:14 | 70,86  |
| 1426 | 15:21:59 | 65,79  | 1481 | 15:26:34 | 72,26  | 1536 | 15:31:09 | 77,16  | 1591 | 15:35:44 | 67,30  | 1646 | 15:40:19 | 64,71  |
| 1427 | 15:22:04 | 65,01  | 1482 | 15:26:39 | 82,78  | 1537 | 15:31:14 | 71,30  | 1592 | 15:35:49 | 81,36  | 1647 | 15:40:24 | 69,63  |
| 1428 | 15:22:09 | 66,42  | 1483 | 15:26:44 | 83,04  | 1538 | 15:31:19 | 74,87  | 1593 | 15:35:54 | 78,29  | 1648 | 15:40:29 | 70,05  |
| 1429 | 15:22:14 | 71,00  | 1484 | 15:26:49 | 78,53  | 1539 | 15:31:24 | 77,16  | 1594 | 15:35:59 | 74,75  | 1649 | 15:40:34 | 66,31  |
| 1430 | 15:22:19 | 68,85  | 1485 | 15:26:54 | 63,49  | 1540 | 15:31:29 | 76,07  | 1595 | 15:36:04 | 71,18  | 1650 | 15:40:39 | 65,61  |

**Relatório dosimetria de ruído @ SONUS 2 SN: 032000436**

| Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] | Ind  | D/H      | L [dB] |
|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|------|----------|--------|
| 1651 | 15:40:44 | 67,67  | 1706 | 15:45:19 | 91,13  | 1761 | 15:49:54 | 90,54  | 1816 | 15:54:29 | 67,09  | 1871 | 15:59:04 | 76,19  |
| 1652 | 15:40:49 | 67,63  | 1707 | 15:45:24 | 108,36 | 1762 | 15:49:59 | 88,19  | 1817 | 15:54:34 | 70,10  | 1872 | 15:59:09 | 70,14  |
| 1653 | 15:40:54 | 73,39  | 1708 | 15:45:29 | 90,37  | 1763 | 15:50:04 | 89,89  | 1818 | 15:54:39 | 63,80  | 1873 | 15:59:14 | 70,94  |
| 1654 | 15:40:59 | 62,54  | 1709 | 15:45:34 | 108,20 | 1764 | 15:50:09 | 86,74  | 1819 | 15:54:44 | 59,88  | 1874 | 15:59:19 | 71,09  |
| 1655 | 15:41:04 | 62,91  | 1710 | 15:45:39 | 102,49 | 1765 | 15:50:14 | 80,98  | 1820 | 15:54:49 | 65,73  | 1875 | 15:59:24 | 65,87  |
| 1656 | 15:41:09 | 61,86  | 1711 | 15:45:44 | 87,55  | 1766 | 15:50:19 | 80,31  | 1821 | 15:54:54 | 61,52  | 1876 | 15:59:29 | 81,59  |
| 1657 | 15:41:14 | 65,25  | 1712 | 15:45:49 | 86,33  | 1767 | 15:50:24 | 82,47  | 1822 | 15:54:59 | 59,46  | 1877 | 15:59:34 | 74,27  |
| 1658 | 15:41:19 | 71,34  | 1713 | 15:45:54 | 72,26  | 1768 | 15:50:29 | 83,86  | 1823 | 15:55:04 | 76,03  | 1878 | 15:59:39 | 60,92  |
| 1659 | 15:41:24 | 64,85  | 1714 | 15:45:59 | 71,34  | 1769 | 15:50:34 | 87,01  | 1824 | 15:55:09 | 70,34  | 1879 | 15:59:44 | 60,60  |
| 1660 | 15:41:29 | 61,63  | 1715 | 15:46:04 | 70,71  | 1770 | 15:50:39 | 89,65  | 1825 | 15:55:14 | 65,88  | 1880 | 15:59:49 | 60,57  |
| 1661 | 15:41:34 | 61,05  | 1716 | 15:46:09 | 75,39  | 1771 | 15:50:44 | 89,40  | 1826 | 15:55:19 | 75,75  | 1881 | 15:59:54 | 61,29  |
| 1662 | 15:41:39 | 74,91  | 1717 | 15:46:14 | 79,69  | 1772 | 15:50:49 | 85,90  | 1827 | 15:55:24 | 75,86  | 1882 | 15:59:59 | 67,29  |
| 1663 | 15:41:44 | 78,76  | 1718 | 15:46:19 | 71,41  | 1773 | 15:50:54 | 83,56  | 1828 | 15:55:29 | 72,12  | 1883 | 16:00:04 | 64,35  |
| 1664 | 15:41:49 | 83,57  | 1719 | 15:46:24 | 68,00  | 1774 | 15:50:59 | 91,20  | 1829 | 15:55:34 | 73,36  | 1884 | 16:00:09 | 63,47  |
| 1665 | 15:41:54 | 77,63  | 1720 | 15:46:29 | 72,14  | 1775 | 15:51:04 | 89,92  | 1830 | 15:55:39 | 76,65  | 1885 | 16:00:14 | 68,11  |
| 1666 | 15:41:59 | 80,31  | 1721 | 15:46:34 | 81,05  | 1776 | 15:51:09 | 98,54  | 1831 | 15:55:44 | 93,21  | 1886 | 16:00:19 | 69,54  |
| 1667 | 15:42:04 | 80,08  | 1722 | 15:46:39 | 80,40  | 1777 | 15:51:14 | 101,67 | 1832 | 15:55:49 | 97,60  | 1887 | 16:00:24 | 69,62  |
| 1668 | 15:42:09 | 89,01  | 1723 | 15:46:44 | 85,17  | 1778 | 15:51:19 | 98,85  | 1833 | 15:55:54 | 105,52 | 1888 | 16:00:29 | 68,26  |
| 1669 | 15:42:14 | 89,39  | 1724 | 15:46:49 | 84,67  | 1779 | 15:51:24 | 85,85  | 1834 | 15:55:59 | 96,05  | 1889 | 16:00:34 | 81,10  |
| 1670 | 15:42:19 | 83,78  | 1725 | 15:46:54 | 84,61  | 1780 | 15:51:29 | 84,40  | 1835 | 15:56:04 | 97,47  | 1890 | 16:00:39 | 71,43  |
| 1671 | 15:42:24 | 66,70  | 1726 | 15:46:59 | 81,18  | 1781 | 15:51:34 | 92,38  | 1836 | 15:56:09 | 98,65  | 1891 | 16:00:44 | 69,36  |
| 1672 | 15:42:29 | 74,12  | 1727 | 15:47:04 | 77,28  | 1782 | 15:51:39 | 105,71 | 1837 | 15:56:14 | 100,33 | 1892 | 16:00:49 | 69,04  |
| 1673 | 15:42:34 | 82,76  | 1728 | 15:47:09 | 81,20  | 1783 | 15:51:44 | 104,97 | 1838 | 15:56:19 | 100,14 | 1893 | 16:00:54 | 68,99  |
| 1674 | 15:42:39 | 82,83  | 1729 | 15:47:14 | 80,48  | 1784 | 15:51:49 | 86,86  | 1839 | 15:56:24 | 99,19  | 1894 | 16:00:59 | 73,09  |
| 1675 | 15:42:44 | 77,73  | 1730 | 15:47:19 | 81,29  | 1785 | 15:51:54 | 86,56  | 1840 | 15:56:29 | 88,71  | 1895 | 16:01:04 | 62,96  |
| 1676 | 15:42:49 | 64,59  | 1731 | 15:47:24 | 71,05  | 1786 | 15:51:59 | 89,26  | 1841 | 15:56:34 | 83,58  | 1896 | 16:01:09 | 73,35  |
| 1677 | 15:42:54 | 65,31  | 1732 | 15:47:29 | 76,81  | 1787 | 15:52:04 | 105,43 | 1842 | 15:56:39 | 82,35  | 1897 | 16:01:14 | 85,50  |
| 1678 | 15:42:59 | 66,75  | 1733 | 15:47:34 | 74,41  | 1788 | 15:52:09 | 89,95  | 1843 | 15:56:44 | 82,56  | 1898 | 16:01:19 | 69,51  |
| 1679 | 15:43:04 | 104,70 | 1734 | 15:47:39 | 71,36  | 1789 | 15:52:14 | 83,87  | 1844 | 15:56:49 | 97,50  | 1899 | 16:01:24 | 77,65  |
| 1680 | 15:43:09 | 94,98  | 1735 | 15:47:44 | 83,21  | 1790 | 15:52:19 | 71,69  | 1845 | 15:56:54 | 99,66  | 1900 | 16:01:29 | 65,59  |
| 1681 | 15:43:14 | 84,60  | 1736 | 15:47:49 | 65,28  | 1791 | 15:52:24 | 64,19  | 1846 | 15:56:59 | 101,81 | 1901 | 16:01:34 | 60,37  |
| 1682 | 15:43:19 | 86,75  | 1737 | 15:47:54 | 84,58  | 1792 | 15:52:29 | 68,60  | 1847 | 15:57:04 | 99,28  | 1902 | 16:01:39 | 66,61  |
| 1683 | 15:43:24 | 103,92 | 1738 | 15:47:59 | 107,22 | 1793 | 15:52:34 | 86,15  | 1848 | 15:57:09 | 101,72 | 1903 | 16:01:44 | 69,94  |
| 1684 | 15:43:29 | 107,64 | 1739 | 15:48:04 | 107,19 | 1794 | 15:52:39 | 71,16  | 1849 | 15:57:14 | 98,65  | 1904 | 16:01:49 | 64,34  |
| 1685 | 15:43:34 | 93,61  | 1740 | 15:48:09 | 108,39 | 1795 | 15:52:44 | 70,45  | 1850 | 15:57:19 | 94,26  | 1905 | 16:01:54 | 63,28  |
| 1686 | 15:43:39 | 81,58  | 1741 | 15:48:14 | 97,32  | 1796 | 15:52:49 | 72,46  | 1851 | 15:57:24 | 98,64  | 1906 | 16:01:59 | 63,50  |
| 1687 | 15:43:44 | 82,56  | 1742 | 15:48:19 | 88,51  | 1797 | 15:52:54 | 75,98  | 1852 | 15:57:29 | 98,26  | 1907 | 16:02:04 | 57,48  |
| 1688 | 15:43:49 | 81,79  | 1743 | 15:48:24 | 110,57 | 1798 | 15:52:59 | 73,85  | 1853 | 15:57:34 | 97,81  | 1908 | 16:02:09 | 56,99  |
| 1689 | 15:43:54 | 79,05  | 1744 | 15:48:29 | 109,70 | 1799 | 15:53:04 | 67,59  | 1854 | 15:57:39 | 100,08 | 1909 | 16:02:14 | 76,85  |
| 1690 | 15:43:59 | 82,23  | 1745 | 15:48:34 | 107,37 | 1800 | 15:53:09 | 70,38  | 1855 | 15:57:44 | 98,13  | 1910 | 16:02:19 | 108,27 |
| 1691 | 15:44:04 | 84,10  | 1746 | 15:48:39 | 102,99 | 1801 | 15:53:14 | 72,43  | 1856 | 15:57:49 | 89,33  | 1911 | 16:02:24 | 110,83 |
| 1692 | 15:44:09 | 86,08  | 1747 | 15:48:44 | 86,14  | 1802 | 15:53:19 | 75,11  | 1857 | 15:57:54 | 86,04  | 1912 | 16:02:29 | 103,09 |
| 1693 | 15:44:14 | 85,38  | 1748 | 15:48:49 | 106,16 | 1803 | 15:53:24 | 74,98  | 1858 | 15:57:59 | 80,86  | 1913 | 16:02:34 | 101,53 |
| 1694 | 15:44:19 | 87,70  | 1749 | 15:48:54 | 91,17  | 1804 | 15:53:29 | 71,40  | 1859 | 15:58:04 | 77,25  | 1914 | 16:02:39 | 104,75 |
| 1695 | 15:44:24 | 87,30  | 1750 | 15:48:59 | 89,87  | 1805 | 15:53:34 | 74,75  | 1860 | 15:58:09 | 80,24  | 1915 | 16:02:44 | 90,85  |
| 1696 | 15:44:29 | 107,17 | 1751 | 15:49:04 | 88,88  | 1806 | 15:53:39 | 69,03  | 1861 | 15:58:14 | 88,03  | 1916 | 16:02:49 | 102,47 |
| 1697 | 15:44:34 | 93,22  | 1752 | 15:49:09 | 97,09  | 1807 | 15:53:44 | 65,84  | 1862 | 15:58:19 | 87,36  | 1917 | 16:02:54 | 106,82 |
| 1698 | 15:44:39 | 92,20  | 1753 | 15:49:14 | 107,91 | 1808 | 15:53:49 | 69,14  | 1863 | 15:58:24 | 99,56  | 1918 | 16:02:59 | 104,70 |
| 1699 | 15:44:44 | 102,04 | 1754 | 15:49:19 | 106,07 | 1809 | 15:53:54 | 68,13  | 1864 | 15:58:29 | 102,30 | 1919 | 16:03:04 | 99,37  |
| 1700 | 15:44:49 | 94,10  | 1755 | 15:49:24 | 90,25  | 1810 | 15:53:59 | 73,90  | 1865 | 15:58:34 | 102,54 | 1920 | 16:03:09 | 102,59 |
| 1701 | 15:44:54 | 87,73  | 1756 | 15:49:29 | 89,74  | 1811 | 15:54:04 | 72,59  | 1866 | 15:58:39 | 105,55 | 1921 | 16:03:14 | 102,17 |
| 1702 | 15:44:59 | 86,36  | 1757 | 15:49:34 | 90,02  | 1812 | 15:54:09 | 62,95  | 1867 | 15:58:44 | 111,44 | 1922 | 16:03:19 | 101,55 |
| 1703 | 15:45:04 | 86,63  | 1758 | 15:49:39 | 92,18  | 1813 | 15:54:14 | 65,48  | 1868 | 15:58:49 | 94,40  | 1923 | 16:03:24 | 100,58 |
| 1704 | 15:45:09 | 87,12  | 1759 | 15:49:44 | 109,44 | 1814 | 15:54:19 | 68,32  | 1869 | 15:58:54 | 73,36  | 1924 | 16:03:29 | 102,10 |
| 1705 | 15:45:14 | 87,35  | 1760 | 15:49:49 | 108,81 | 1815 | 15:54:24 | 74,61  | 1870 | 15:58:59 | 76,56  | 1925 | 16:03:34 | 87,75  |

Relatório dosimetria de ruído @ SONUS 2 SN: 032000436

| Ind  | D/H      | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] | Ind | D/H | L [dB] |
|------|----------|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|
| 1926 | 16:03:39 | 107,60 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1927 | 16:03:44 | 106,49 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1928 | 16:03:49 | 107,79 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1929 | 16:03:54 | 104,28 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1930 | 16:03:59 | 102,12 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1931 | 16:04:04 | 101,73 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1932 | 16:04:09 | 102,41 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1933 | 16:04:14 | 103,78 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1934 | 16:04:19 | 95,75  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1935 | 16:04:24 | 107,30 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1936 | 16:04:29 | 103,95 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1937 | 16:04:34 | 102,71 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1938 | 16:04:39 | 96,24  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1939 | 16:04:44 | 88,29  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1940 | 16:04:49 | 101,60 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1941 | 16:04:54 | 103,06 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1942 | 16:04:59 | 104,17 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1943 | 16:05:04 | 102,37 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1944 | 16:05:09 | 93,19  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1945 | 16:05:14 | 102,69 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1946 | 16:05:19 | 94,71  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1947 | 16:05:24 | 102,15 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1948 | 16:05:29 | 94,81  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1949 | 16:05:34 | 87,98  |     |     |        |     |     |        |     |     |        |     |     |        |
| 1950 | 16:05:39 | 101,63 |     |     |        |     |     |        |     |     |        |     |     |        |
| 1951 | 16:05:44 | 102,16 |     |     |        |     |     |        |     |     |        |     |     |        |

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: EDUCAÇÃO/APAE  
Funcionário avaliado: MOTORISTA  
Tipo: VCI

Empresa avaliadora: SÃO LUCAS MEDICINA E SEGURANÇA DO TRABALHO LTDA  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 14/08/2025  
Jornada de trabalho [hh:mm]: 08:00

**Componentes de exposição**

| Evento | arep  | VDVj(X) | VDVj(Y) | VDVj(Z) | FC(X) | FC(Y) | FC(Z) | Tempo de exposição |
|--------|-------|---------|---------|---------|-------|-------|-------|--------------------|
| 1      | 01,03 | 06,77   | 07,82   | 18,23   | 11,76 | 07,70 | 11,66 | 08:00              |

**Resultado da avaliação**

|                                |                                |                                    |
|--------------------------------|--------------------------------|------------------------------------|
| are [m/s <sup>2</sup> ]: 1,03  | VDVexpj [m/s <sup>1,75</sup> ] | VDVR [m/s <sup>1,75</sup> ]: 27,28 |
| aren [m/s <sup>2</sup> ]: 1,03 | X: 13,54                       |                                    |
| FC: 11,76                      | Y: 15,64                       |                                    |
|                                | Z: 26,05                       |                                    |

**Calibração**

Cert. cal.: CRS0172/2025 21/01/2025

**Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

### Configurações

Evento: 1

Tarefa: Ensaio04

Ponderação de tempo: Rápida (F)

Ponderação em frequência

Fator de multiplicação

Tempo de amostragem [s]: 5

X: Wd

X: 01,40

Início: 11:57:38

Y: Wd

Y: 01,40

Fim: 13:52:58

Z: Wk

Z: 01,00

Duração: 01:55:07

Tempo de exposição: 08:00:00

Tempo em pausa: 00:00:00

### Sensor

Nome: VCI CR-100

Sensibilidade [mV/g]

NS: 00053

X: 117,00

Y: 115,50

Z: 115,50

### Resultados

#### Aceleração

Máximo [m/s<sup>2</sup>]

Mínimo [m/s<sup>2</sup>]

Média [m/s<sup>2</sup>]

Pico [m/s<sup>2</sup>]

X: 02,47

X: 00,01

X: 00,18

X: 04,46

Y: 03,06

Y: 00,01

Y: 00,20

Y: 05,53

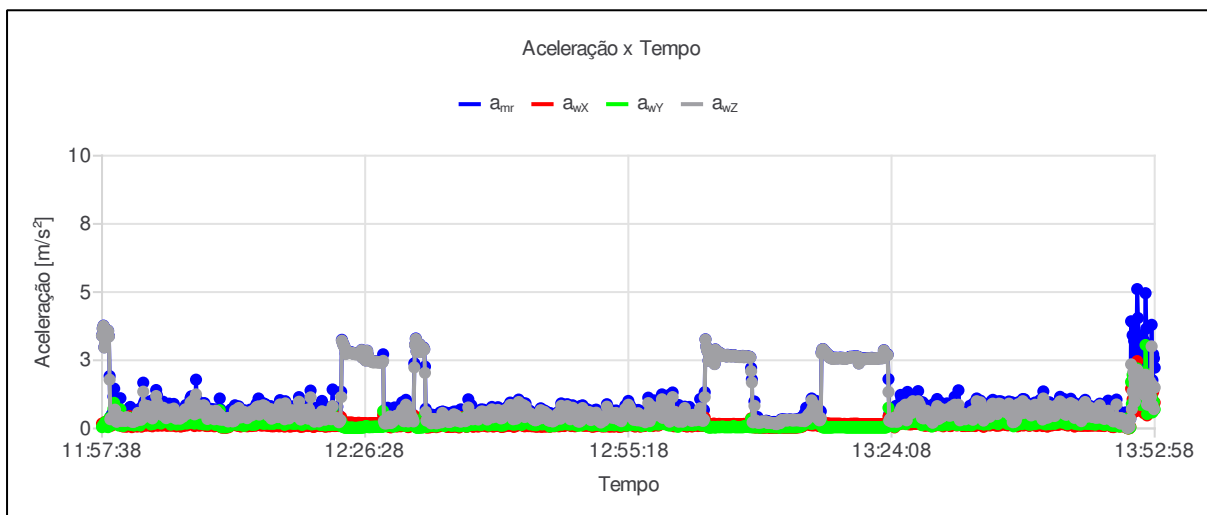
Z: 03,76

Z: 00,02

Z: 00,88

Z: 08,94

### Gráfico



Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 001 | 11:57:38 | 0,18             | 0,05             | 3,40             | 0,29                      | 0,10                      | 5,49                      | 2,30   | 2,21   | 1,72   | 3,41             |
| 002 | 11:57:43 | 0,16             | 0,10             | 3,66             | 0,34                      | 0,19                      | 6,92                      | 1,64   | 2,30   | 1,68   | 3,67             |
| 003 | 11:57:48 | 0,15             | 0,13             | 3,76             | 0,37                      | 0,25                      | 7,80                      | 2,57   | 2,64   | 1,62   | 3,77             |
| 004 | 11:57:53 | 0,16             | 0,10             | 2,97             | 0,40                      | 0,27                      | 8,13                      | 2,04   | 2,20   | 2,14   | 2,98             |
| 005 | 11:57:58 | 0,24             | 0,23             | 3,18             | 0,53                      | 0,52                      | 8,54                      | 1,43   | 0,54   | 1,76   | 3,21             |
| 006 | 11:58:03 | 0,19             | 0,08             | 3,63             | 0,55                      | 0,52                      | 9,01                      | 1,73   | 2,61   | 1,67   | 3,64             |
| 007 | 11:58:08 | 0,20             | 0,11             | 3,60             | 0,57                      | 0,52                      | 9,42                      | 1,73   | 1,06   | 1,60   | 3,61             |
| 008 | 11:58:13 | 0,20             | 0,07             | 3,59             | 0,59                      | 0,52                      | 9,78                      | 1,88   | 1,64   | 1,61   | 3,60             |
| 009 | 11:58:18 | 0,19             | 0,05             | 3,57             | 0,60                      | 0,52                      | 10,07                     | 1,74   | 2,25   | 1,58   | 3,58             |
| 010 | 11:58:23 | 0,19             | 0,13             | 3,37             | 0,61                      | 0,56                      | 10,28                     | 2,90   | 6,07   | 1,03   | 3,39             |
| 011 | 11:58:28 | 0,32             | 0,39             | 1,79             | 1,09                      | 0,93                      | 10,40                     | 1,36   | 0,98   | 0,34   | 1,92             |
| 012 | 11:58:33 | 0,13             | 0,11             | 0,34             | 1,09                      | 0,93                      | 10,40                     | 0,68   | 2,05   | 2,06   | 0,42             |
| 013 | 11:58:38 | 0,10             | 0,16             | 0,38             | 1,09                      | 0,94                      | 10,40                     | 1,75   | 3,79   | 2,30   | 0,46             |
| 014 | 11:58:43 | 0,16             | 0,22             | 0,35             | 1,10                      | 0,94                      | 10,40                     | 1,44   | 2,39   | 1,97   | 0,51             |
| 015 | 11:58:48 | 0,15             | 0,25             | 0,37             | 1,10                      | 0,96                      | 10,40                     | 2,56   | 1,82   | 2,52   | 0,56             |
| 016 | 11:58:53 | 0,36             | 0,72             | 0,33             | 1,21                      | 1,95                      | 10,40                     | 1,18   | 0,71   | 1,03   | 1,17             |
| 017 | 11:58:58 | 0,36             | 0,94             | 0,38             | 1,25                      | 2,32                      | 10,40                     | 1,80   | 1,25   | 3,20   | 1,46             |
| 018 | 11:59:03 | 0,33             | 0,53             | 0,69             | 1,26                      | 2,36                      | 10,40                     | 1,67   | 3,27   | 1,62   | 1,11             |
| 019 | 11:59:08 | 0,28             | 0,45             | 0,40             | 1,28                      | 2,38                      | 10,40                     | 1,35   | 1,81   | 2,18   | 0,84             |
| 020 | 11:59:13 | 0,21             | 0,42             | 0,25             | 1,29                      | 2,39                      | 10,40                     | 1,72   | 0,90   | 1,32   | 0,71             |
| 021 | 11:59:18 | 0,28             | 0,20             | 0,26             | 1,30                      | 2,39                      | 10,40                     | 2,08   | 2,37   | 2,17   | 0,54             |
| 022 | 11:59:23 | 0,18             | 0,29             | 0,36             | 1,31                      | 2,40                      | 10,40                     | 5,26   | 1,12   | 2,86   | 0,61             |
| 023 | 11:59:28 | 0,26             | 0,11             | 0,38             | 1,33                      | 2,40                      | 10,40                     | 0,51   | 2,46   | 1,98   | 0,55             |
| 024 | 11:59:33 | 0,31             | 0,19             | 0,43             | 1,35                      | 2,40                      | 10,40                     | 3,79   | 2,80   | 2,40   | 0,66             |
| 025 | 11:59:39 | 0,32             | 0,70             | 0,29             | 1,38                      | 2,44                      | 10,40                     | 3,12   | 1,48   | 3,19   | 1,11             |
| 026 | 11:59:44 | 0,19             | 0,19             | 0,29             | 1,39                      | 2,44                      | 10,40                     | 0,88   | 1,34   | 2,77   | 0,48             |
| 027 | 11:59:49 | 0,09             | 0,11             | 0,33             | 1,39                      | 2,44                      | 10,40                     | 5,10   | 3,17   | 3,23   | 0,39             |
| 028 | 11:59:54 | 0,08             | 0,13             | 0,29             | 1,39                      | 2,44                      | 10,40                     | 2,48   | 2,31   | 3,45   | 0,37             |
| 029 | 11:59:59 | 0,08             | 0,09             | 0,29             | 1,39                      | 2,44                      | 10,40                     | 2,77   | 1,93   | 1,98   | 0,33             |
| 030 | 12:00:04 | 0,19             | 0,23             | 0,34             | 1,40                      | 2,44                      | 10,40                     | 4,58   | 2,50   | 2,24   | 0,54             |
| 031 | 12:00:09 | 0,09             | 0,16             | 0,30             | 1,40                      | 2,44                      | 10,40                     | 1,97   | 1,90   | 3,90   | 0,40             |
| 032 | 12:00:14 | 0,07             | 0,17             | 0,28             | 1,40                      | 2,44                      | 10,40                     | 2,92   | 1,95   | 2,85   | 0,39             |
| 033 | 12:00:19 | 0,08             | 0,19             | 0,41             | 1,40                      | 2,44                      | 10,40                     | 1,44   | 2,06   | 2,61   | 0,49             |
| 034 | 12:00:24 | 0,08             | 0,20             | 0,40             | 1,40                      | 2,44                      | 10,40                     | 2,77   | 1,77   | 1,35   | 0,50             |
| 035 | 12:00:29 | 0,11             | 0,19             | 0,35             | 1,40                      | 2,44                      | 10,40                     | 1,72   | 1,49   | 1,96   | 0,47             |
| 036 | 12:00:34 | 0,17             | 0,15             | 0,36             | 1,40                      | 2,44                      | 10,40                     | 1,38   | 1,23   | 2,03   | 0,48             |
| 037 | 12:00:39 | 0,45             | 0,16             | 0,36             | 1,46                      | 2,44                      | 10,40                     | 1,46   | 0,90   | 1,71   | 0,76             |
| 038 | 12:00:44 | 0,34             | 0,39             | 0,31             | 1,48                      | 2,45                      | 10,40                     | 3,02   | 0,67   | 1,71   | 0,79             |
| 039 | 12:00:49 | 0,14             | 0,14             | 0,28             | 1,48                      | 2,45                      | 10,40                     | 0,76   | 1,51   | 1,90   | 0,40             |
| 040 | 12:00:54 | 0,05             | 0,13             | 0,25             | 1,48                      | 2,45                      | 10,40                     | 1,38   | 2,03   | 1,63   | 0,31             |
| 041 | 12:00:59 | 0,07             | 0,19             | 0,30             | 1,48                      | 2,45                      | 10,40                     | 3,35   | 1,55   | 3,34   | 0,41             |
| 042 | 12:01:04 | 0,16             | 0,15             | 0,24             | 1,48                      | 2,45                      | 10,40                     | 1,56   | 1,13   | 3,20   | 0,39             |
| 043 | 12:01:09 | 0,17             | 0,11             | 0,26             | 1,49                      | 2,45                      | 10,40                     | 6,05   | 1,52   | 2,87   | 0,38             |
| 044 | 12:01:14 | 0,33             | 0,20             | 0,31             | 1,52                      | 2,45                      | 10,40                     | 1,63   | 3,92   | 1,63   | 0,63             |
| 045 | 12:01:19 | 0,13             | 0,30             | 0,28             | 1,52                      | 2,45                      | 10,40                     | 1,53   | 1,15   | 3,06   | 0,53             |
| 046 | 12:01:24 | 0,24             | 0,22             | 0,35             | 1,53                      | 2,45                      | 10,40                     | 0,83   | 1,87   | 1,70   | 0,58             |
| 047 | 12:01:29 | 0,07             | 0,16             | 0,30             | 1,53                      | 2,45                      | 10,40                     | 2,30   | 4,17   | 2,80   | 0,39             |
| 048 | 12:01:34 | 0,16             | 0,23             | 0,57             | 1,53                      | 2,45                      | 10,40                     | 4,18   | 3,17   | 4,07   | 0,69             |
| 049 | 12:01:39 | 0,18             | 0,18             | 0,55             | 1,53                      | 2,45                      | 10,40                     | 0,89   | 3,46   | 1,00   | 0,66             |
| 050 | 12:01:44 | 0,10             | 0,23             | 0,42             | 1,53                      | 2,46                      | 10,40                     | 2,61   | 1,18   | 1,76   | 0,55             |
| 051 | 12:01:49 | 0,20             | 0,11             | 0,34             | 1,54                      | 2,46                      | 10,40                     | 1,04   | 3,24   | 2,46   | 0,46             |
| 052 | 12:01:54 | 0,08             | 0,22             | 0,32             | 1,54                      | 2,46                      | 10,40                     | 1,39   | 0,93   | 1,81   | 0,46             |
| 053 | 12:01:59 | 0,07             | 0,18             | 0,51             | 1,54                      | 2,46                      | 10,40                     | 2,53   | 2,42   | 3,24   | 0,58             |
| 054 | 12:02:04 | 0,22             | 0,41             | 0,48             | 1,54                      | 2,46                      | 10,40                     | 1,82   | 1,09   | 1,61   | 0,81             |
| 055 | 12:02:09 | 0,56             | 0,45             | 1,35             | 1,69                      | 2,47                      | 10,43                     | 0,39   | 1,32   | 0,44   | 1,68             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 056 | 12:02:14 | 0,50             | 0,33             | 0,41             | 1,74                      | 2,48                      | 10,43                     | 0,21   | 0,76   | 1,54   | 0,93             |
| 057 | 12:02:19 | 0,27             | 0,27             | 0,85             | 1,74                      | 2,48                      | 10,43                     | 2,07   | 0,91   | 1,36   | 1,01             |
| 058 | 12:02:24 | 0,11             | 0,33             | 0,68             | 1,74                      | 2,48                      | 10,43                     | 0,92   | 0,74   | 2,32   | 0,83             |
| 059 | 12:02:29 | 0,13             | 0,35             | 0,56             | 1,74                      | 2,48                      | 10,43                     | 1,02   | 2,47   | 2,60   | 0,77             |
| 060 | 12:02:34 | 0,11             | 0,27             | 0,52             | 1,74                      | 2,48                      | 10,43                     | 2,41   | 2,14   | 2,80   | 0,66             |
| 061 | 12:02:39 | 0,23             | 0,27             | 0,82             | 1,75                      | 2,49                      | 10,43                     | 0,80   | 1,35   | 0,95   | 0,96             |
| 062 | 12:02:44 | 0,20             | 0,35             | 0,77             | 1,75                      | 2,49                      | 10,43                     | 3,07   | 2,55   | 2,61   | 0,96             |
| 063 | 12:02:49 | 0,14             | 0,24             | 0,51             | 1,75                      | 2,49                      | 10,43                     | 2,15   | 1,97   | 2,40   | 0,64             |
| 064 | 12:02:54 | 0,11             | 0,41             | 0,57             | 1,75                      | 2,50                      | 10,43                     | 1,02   | 0,61   | 1,26   | 0,83             |
| 065 | 12:02:59 | 0,10             | 0,15             | 0,47             | 1,75                      | 2,50                      | 10,43                     | 2,94   | 2,73   | 2,48   | 0,53             |
| 066 | 12:03:04 | 0,15             | 0,53             | 0,65             | 1,75                      | 2,51                      | 10,43                     | 2,45   | 2,31   | 1,48   | 1,02             |
| 067 | 12:03:09 | 0,08             | 0,23             | 0,37             | 1,75                      | 2,51                      | 10,43                     | 3,59   | 2,78   | 4,76   | 0,51             |
| 068 | 12:03:14 | 0,16             | 0,41             | 0,66             | 1,75                      | 2,53                      | 10,44                     | 1,16   | 0,99   | 1,36   | 0,90             |
| 069 | 12:03:19 | 0,18             | 0,17             | 0,59             | 1,75                      | 2,53                      | 10,44                     | 1,64   | 2,79   | 2,51   | 0,69             |
| 070 | 12:03:24 | 0,17             | 0,38             | 0,58             | 1,75                      | 2,53                      | 10,44                     | 1,87   | 1,62   | 2,21   | 0,83             |
| 071 | 12:03:29 | 0,16             | 0,33             | 0,68             | 1,75                      | 2,54                      | 10,44                     | 2,03   | 1,34   | 2,57   | 0,86             |
| 072 | 12:03:34 | 0,27             | 0,47             | 1,19             | 1,75                      | 2,55                      | 10,44                     | 2,98   | 2,10   | 2,57   | 1,41             |
| 073 | 12:03:39 | 0,25             | 0,48             | 0,95             | 1,76                      | 2,56                      | 10,45                     | 0,72   | 1,18   | 1,65   | 1,22             |
| 074 | 12:03:45 | 0,10             | 0,32             | 0,66             | 1,76                      | 2,56                      | 10,45                     | 2,78   | 3,90   | 1,85   | 0,82             |
| 075 | 12:03:50 | 0,17             | 0,35             | 0,78             | 1,76                      | 2,57                      | 10,45                     | 2,29   | 0,73   | 2,34   | 0,95             |
| 076 | 12:03:55 | 0,15             | 0,53             | 0,64             | 1,76                      | 2,59                      | 10,45                     | 2,26   | 1,78   | 2,12   | 1,00             |
| 077 | 12:04:00 | 0,15             | 0,36             | 0,66             | 1,76                      | 2,59                      | 10,45                     | 1,75   | 0,92   | 3,29   | 0,85             |
| 078 | 12:04:05 | 0,12             | 0,18             | 0,56             | 1,76                      | 2,59                      | 10,45                     | 1,88   | 2,41   | 2,43   | 0,64             |
| 079 | 12:04:10 | 0,12             | 0,31             | 0,50             | 1,76                      | 2,60                      | 10,45                     | 1,57   | 1,84   | 1,24   | 0,68             |
| 080 | 12:04:15 | 0,11             | 0,35             | 0,64             | 1,76                      | 2,60                      | 10,45                     | 2,08   | 1,77   | 2,36   | 0,82             |
| 081 | 12:04:20 | 0,18             | 0,40             | 0,76             | 1,76                      | 2,62                      | 10,45                     | 2,89   | 1,63   | 1,74   | 0,98             |
| 082 | 12:04:25 | 0,20             | 0,28             | 0,72             | 1,76                      | 2,62                      | 10,45                     | 1,25   | 1,14   | 1,78   | 0,87             |
| 083 | 12:04:30 | 0,13             | 0,30             | 0,52             | 1,76                      | 2,62                      | 10,45                     | 2,28   | 2,37   | 2,41   | 0,70             |
| 084 | 12:04:35 | 0,15             | 0,32             | 0,68             | 1,76                      | 2,62                      | 10,45                     | 5,03   | 0,87   | 1,14   | 0,84             |
| 085 | 12:04:40 | 0,11             | 0,25             | 0,38             | 1,76                      | 2,63                      | 10,45                     | 1,71   | 2,89   | 2,10   | 0,54             |
| 086 | 12:04:45 | 0,12             | 0,30             | 0,50             | 1,76                      | 2,63                      | 10,45                     | 3,88   | 2,16   | 3,03   | 0,67             |
| 087 | 12:04:50 | 0,10             | 0,23             | 0,53             | 1,76                      | 2,63                      | 10,45                     | 2,35   | 1,56   | 2,26   | 0,64             |
| 088 | 12:04:55 | 0,14             | 0,34             | 0,67             | 1,76                      | 2,63                      | 10,45                     | 2,37   | 1,73   | 3,54   | 0,84             |
| 089 | 12:05:00 | 0,20             | 0,38             | 0,69             | 1,76                      | 2,63                      | 10,45                     | 2,16   | 2,74   | 2,31   | 0,91             |
| 090 | 12:05:05 | 0,12             | 0,26             | 0,51             | 1,76                      | 2,64                      | 10,45                     | 1,79   | 1,64   | 2,39   | 0,65             |
| 091 | 12:05:10 | 0,13             | 0,14             | 0,63             | 1,76                      | 2,64                      | 10,45                     | 2,72   | 1,76   | 2,98   | 0,69             |
| 092 | 12:05:15 | 0,10             | 0,18             | 0,43             | 1,76                      | 2,64                      | 10,46                     | 2,06   | 2,19   | 1,72   | 0,52             |
| 093 | 12:05:20 | 0,14             | 0,25             | 0,60             | 1,77                      | 2,64                      | 10,46                     | 2,07   | 1,47   | 1,95   | 0,72             |
| 094 | 12:05:25 | 0,13             | 0,22             | 0,47             | 1,77                      | 2,64                      | 10,46                     | 1,93   | 1,94   | 1,89   | 0,59             |
| 095 | 12:05:30 | 0,12             | 0,36             | 0,73             | 1,77                      | 2,64                      | 10,46                     | 2,13   | 2,37   | 1,25   | 0,90             |
| 096 | 12:05:35 | 0,13             | 0,21             | 0,41             | 1,77                      | 2,64                      | 10,46                     | 1,78   | 1,49   | 3,04   | 0,53             |
| 097 | 12:05:40 | 0,11             | 0,19             | 0,47             | 1,77                      | 2,64                      | 10,46                     | 1,54   | 1,19   | 1,96   | 0,57             |
| 098 | 12:05:45 | 0,08             | 0,20             | 0,36             | 1,77                      | 2,64                      | 10,46                     | 2,81   | 2,98   | 2,85   | 0,47             |
| 099 | 12:05:50 | 0,12             | 0,14             | 0,51             | 1,77                      | 2,64                      | 10,46                     | 2,16   | 2,15   | 3,47   | 0,58             |
| 100 | 12:05:55 | 0,13             | 0,21             | 0,45             | 1,77                      | 2,64                      | 10,46                     | 2,43   | 1,38   | 2,28   | 0,57             |
| 101 | 12:06:00 | 0,11             | 0,22             | 0,49             | 1,77                      | 2,64                      | 10,46                     | 1,78   | 2,38   | 2,41   | 0,60             |
| 102 | 12:06:05 | 0,10             | 0,24             | 0,46             | 1,77                      | 2,64                      | 10,46                     | 1,72   | 1,38   | 3,10   | 0,58             |
| 103 | 12:06:10 | 0,10             | 0,25             | 0,36             | 1,77                      | 2,64                      | 10,46                     | 1,49   | 2,25   | 1,97   | 0,51             |
| 104 | 12:06:15 | 0,07             | 0,15             | 0,44             | 1,77                      | 2,64                      | 10,46                     | 1,86   | 1,24   | 1,71   | 0,50             |
| 105 | 12:06:20 | 0,09             | 0,19             | 0,51             | 1,77                      | 2,64                      | 10,46                     | 2,34   | 2,30   | 2,36   | 0,59             |
| 106 | 12:06:25 | 0,10             | 0,17             | 0,49             | 1,77                      | 2,64                      | 10,46                     | 2,71   | 2,69   | 1,72   | 0,57             |
| 107 | 12:06:30 | 0,09             | 0,34             | 0,43             | 1,77                      | 2,64                      | 10,46                     | 2,35   | 1,51   | 3,78   | 0,66             |
| 108 | 12:06:35 | 0,11             | 0,26             | 0,51             | 1,77                      | 2,64                      | 10,46                     | 3,72   | 1,59   | 2,19   | 0,64             |
| 109 | 12:06:40 | 0,12             | 0,31             | 0,52             | 1,77                      | 2,65                      | 10,46                     | 1,35   | 2,00   | 2,06   | 0,70             |
| 110 | 12:06:45 | 0,20             | 0,19             | 0,70             | 1,77                      | 2,65                      | 10,46                     | 1,52   | 3,34   | 1,61   | 0,79             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 111 | 12:06:50 | 0,20             | 0,31             | 0,69             | 1,77                      | 2,65                      | 10,46                     | 1,34   | 1,52   | 1,27   | 0,86             |
| 112 | 12:06:55 | 0,11             | 0,19             | 0,53             | 1,77                      | 2,65                      | 10,46                     | 2,47   | 2,61   | 1,45   | 0,61             |
| 113 | 12:07:00 | 0,14             | 0,19             | 0,59             | 1,77                      | 2,65                      | 10,46                     | 1,47   | 2,49   | 2,16   | 0,67             |
| 114 | 12:07:05 | 0,19             | 0,21             | 0,71             | 1,77                      | 2,65                      | 10,46                     | 3,18   | 2,78   | 2,59   | 0,81             |
| 115 | 12:07:10 | 0,20             | 0,25             | 0,62             | 1,77                      | 2,65                      | 10,46                     | 1,22   | 2,23   | 1,55   | 0,76             |
| 116 | 12:07:15 | 0,17             | 0,21             | 0,69             | 1,78                      | 2,65                      | 10,46                     | 1,14   | 2,15   | 2,52   | 0,78             |
| 117 | 12:07:20 | 0,19             | 0,35             | 0,95             | 1,78                      | 2,66                      | 10,47                     | 2,77   | 3,56   | 2,74   | 1,11             |
| 118 | 12:07:25 | 0,21             | 0,53             | 0,87             | 1,78                      | 2,66                      | 10,47                     | 1,26   | 2,43   | 1,64   | 1,18             |
| 119 | 12:07:31 | 0,17             | 0,36             | 0,90             | 1,78                      | 2,67                      | 10,47                     | 2,41   | 1,23   | 2,57   | 1,05             |
| 120 | 12:07:36 | 0,18             | 0,31             | 1,03             | 1,78                      | 2,67                      | 10,48                     | 1,03   | 1,32   | 1,24   | 1,14             |
| 121 | 12:07:41 | 0,14             | 0,24             | 0,57             | 1,78                      | 2,67                      | 10,48                     | 1,95   | 2,63   | 4,01   | 0,69             |
| 122 | 12:07:46 | 0,09             | 0,18             | 0,52             | 1,78                      | 2,67                      | 10,48                     | 3,70   | 2,68   | 3,36   | 0,59             |
| 123 | 12:07:51 | 0,21             | 0,22             | 0,55             | 1,78                      | 2,67                      | 10,48                     | 2,30   | 1,36   | 2,08   | 0,70             |
| 124 | 12:07:56 | 0,83             | 0,38             | 1,25             | 1,97                      | 2,68                      | 10,49                     | 1,48   | 3,42   | 0,79   | 1,79             |
| 125 | 12:08:01 | 0,29             | 0,42             | 0,61             | 1,98                      | 2,69                      | 10,49                     | 1,22   | 2,00   | 3,56   | 0,94             |
| 126 | 12:08:06 | 0,23             | 0,31             | 0,87             | 1,98                      | 2,69                      | 10,50                     | 1,38   | 1,79   | 3,45   | 1,02             |
| 127 | 12:08:11 | 0,33             | 0,23             | 0,65             | 1,99                      | 2,69                      | 10,50                     | 0,99   | 2,00   | 4,19   | 0,87             |
| 128 | 12:08:16 | 0,11             | 0,18             | 0,58             | 1,99                      | 2,69                      | 10,50                     | 1,92   | 1,80   | 2,38   | 0,66             |
| 129 | 12:08:21 | 0,11             | 0,18             | 0,61             | 1,99                      | 2,69                      | 10,50                     | 1,57   | 1,52   | 2,46   | 0,67             |
| 130 | 12:08:26 | 0,14             | 0,25             | 0,62             | 1,99                      | 2,69                      | 10,50                     | 2,41   | 1,35   | 2,64   | 0,74             |
| 131 | 12:08:31 | 0,14             | 0,26             | 0,60             | 1,99                      | 2,69                      | 10,50                     | 2,02   | 1,49   | 2,86   | 0,73             |
| 132 | 12:08:36 | 0,16             | 0,23             | 0,81             | 1,99                      | 2,69                      | 10,50                     | 2,03   | 2,75   | 1,92   | 0,90             |
| 133 | 12:08:41 | 0,12             | 0,18             | 0,58             | 1,99                      | 2,69                      | 10,50                     | 1,85   | 2,09   | 1,74   | 0,65             |
| 134 | 12:08:46 | 0,19             | 0,15             | 0,85             | 1,99                      | 2,69                      | 10,50                     | 1,43   | 1,72   | 1,75   | 0,91             |
| 135 | 12:08:51 | 0,18             | 0,24             | 0,83             | 1,99                      | 2,69                      | 10,50                     | 1,88   | 1,84   | 1,50   | 0,93             |
| 136 | 12:08:56 | 0,14             | 0,28             | 0,65             | 1,99                      | 2,69                      | 10,50                     | 1,89   | 1,35   | 1,82   | 0,78             |
| 137 | 12:09:01 | 0,10             | 0,19             | 0,54             | 1,99                      | 2,69                      | 10,50                     | 2,43   | 2,13   | 2,69   | 0,61             |
| 138 | 12:09:06 | 0,09             | 0,17             | 0,51             | 1,99                      | 2,69                      | 10,50                     | 1,79   | 1,05   | 2,29   | 0,58             |
| 139 | 12:09:11 | 0,12             | 0,14             | 0,35             | 2,00                      | 2,69                      | 10,50                     | 1,72   | 2,63   | 2,54   | 0,44             |
| 140 | 12:09:16 | 0,09             | 0,21             | 0,49             | 2,00                      | 2,69                      | 10,50                     | 1,64   | 1,23   | 1,79   | 0,59             |
| 141 | 12:09:21 | 0,14             | 0,19             | 0,56             | 2,00                      | 2,70                      | 10,51                     | 0,99   | 0,79   | 2,44   | 0,65             |
| 142 | 12:09:26 | 0,11             | 0,23             | 0,54             | 2,00                      | 2,70                      | 10,51                     | 2,09   | 1,45   | 2,13   | 0,65             |
| 143 | 12:09:31 | 0,12             | 0,22             | 0,63             | 2,00                      | 2,70                      | 10,51                     | 3,20   | 1,06   | 2,03   | 0,72             |
| 144 | 12:09:36 | 0,13             | 0,21             | 0,63             | 2,00                      | 2,70                      | 10,51                     | 1,60   | 3,57   | 1,57   | 0,71             |
| 145 | 12:09:41 | 0,16             | 0,22             | 0,47             | 2,00                      | 2,70                      | 10,51                     | 1,64   | 1,73   | 2,04   | 0,61             |
| 146 | 12:09:46 | 0,15             | 0,26             | 0,56             | 2,00                      | 2,70                      | 10,51                     | 2,37   | 1,73   | 2,04   | 0,70             |
| 147 | 12:09:51 | 0,14             | 0,22             | 0,58             | 2,00                      | 2,70                      | 10,51                     | 2,36   | 1,99   | 2,25   | 0,68             |
| 148 | 12:09:56 | 0,08             | 0,16             | 0,34             | 2,00                      | 2,70                      | 10,51                     | 2,15   | 1,96   | 2,35   | 0,42             |
| 149 | 12:10:01 | 0,10             | 0,18             | 0,58             | 2,00                      | 2,70                      | 10,51                     | 2,67   | 1,56   | 3,67   | 0,65             |
| 150 | 12:10:06 | 0,15             | 0,13             | 0,65             | 2,00                      | 2,70                      | 10,51                     | 2,18   | 2,95   | 2,55   | 0,70             |
| 151 | 12:10:11 | 0,13             | 0,13             | 0,62             | 2,00                      | 2,70                      | 10,51                     | 1,40   | 1,73   | 2,63   | 0,67             |
| 152 | 12:10:17 | 0,11             | 0,17             | 0,51             | 2,00                      | 2,70                      | 10,51                     | 2,76   | 1,09   | 2,26   | 0,58             |
| 153 | 12:10:22 | 0,15             | 0,17             | 0,42             | 2,00                      | 2,70                      | 10,51                     | 1,72   | 1,31   | 2,42   | 0,53             |
| 154 | 12:10:27 | 0,16             | 0,20             | 0,34             | 2,00                      | 2,70                      | 10,51                     | 2,19   | 2,33   | 3,97   | 0,50             |
| 155 | 12:10:32 | 0,19             | 0,67             | 0,51             | 2,00                      | 2,74                      | 10,51                     | 2,02   | 1,44   | 1,33   | 1,10             |
| 156 | 12:10:37 | 0,32             | 0,30             | 0,33             | 2,06                      | 2,74                      | 10,51                     | 0,30   | 0,47   | 1,69   | 0,70             |
| 157 | 12:10:42 | 0,04             | 0,05             | 0,36             | 2,06                      | 2,74                      | 10,51                     | 1,67   | 1,65   | 1,76   | 0,37             |
| 158 | 12:10:47 | 0,04             | 0,05             | 0,37             | 2,06                      | 2,74                      | 10,51                     | 1,61   | 1,57   | 1,69   | 0,38             |
| 159 | 12:10:52 | 0,05             | 0,07             | 0,32             | 2,06                      | 2,74                      | 10,51                     | 1,89   | 2,50   | 1,86   | 0,34             |
| 160 | 12:10:57 | 0,04             | 0,05             | 0,35             | 2,06                      | 2,74                      | 10,51                     | 1,82   | 1,44   | 1,62   | 0,36             |
| 161 | 12:11:02 | 0,04             | 0,05             | 0,36             | 2,06                      | 2,74                      | 10,51                     | 1,70   | 1,72   | 1,74   | 0,38             |
| 162 | 12:11:07 | 0,04             | 0,05             | 0,37             | 2,06                      | 2,74                      | 10,51                     | 2,16   | 1,56   | 1,77   | 0,38             |
| 163 | 12:11:12 | 0,04             | 0,05             | 0,36             | 2,06                      | 2,74                      | 10,51                     | 1,69   | 1,61   | 1,66   | 0,37             |
| 164 | 12:11:17 | 0,04             | 0,05             | 0,35             | 2,06                      | 2,74                      | 10,51                     | 1,72   | 1,63   | 1,63   | 0,36             |
| 165 | 12:11:22 | 0,04             | 0,07             | 0,29             | 2,06                      | 2,74                      | 10,51                     | 2,45   | 2,45   | 1,91   | 0,31             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 166 | 12:11:27 | 0,08             | 0,09             | 0,26             | 2,06                      | 2,74                      | 10,51                     | 1,62   | 2,24   | 2,46   | 0,30             |
| 167 | 12:11:32 | 0,05             | 0,11             | 0,39             | 2,06                      | 2,74                      | 10,51                     | 2,71   | 1,98   | 1,89   | 0,43             |
| 168 | 12:11:37 | 0,09             | 0,08             | 0,37             | 2,06                      | 2,74                      | 10,51                     | 3,60   | 3,38   | 1,93   | 0,41             |
| 169 | 12:11:42 | 0,23             | 0,27             | 0,35             | 2,06                      | 2,74                      | 10,51                     | 1,30   | 1,27   | 1,43   | 0,60             |
| 170 | 12:11:47 | 0,32             | 0,28             | 0,38             | 2,06                      | 2,75                      | 10,51                     | 2,79   | 3,33   | 2,01   | 0,70             |
| 171 | 12:11:52 | 0,21             | 0,41             | 0,30             | 2,07                      | 2,75                      | 10,51                     | 1,73   | 1,37   | 2,79   | 0,71             |
| 172 | 12:11:57 | 0,16             | 0,25             | 0,26             | 2,07                      | 2,75                      | 10,51                     | 2,59   | 1,69   | 1,85   | 0,49             |
| 173 | 12:12:02 | 0,36             | 0,21             | 0,31             | 2,07                      | 2,75                      | 10,51                     | 1,30   | 0,89   | 2,79   | 0,66             |
| 174 | 12:12:07 | 0,30             | 0,22             | 0,28             | 2,08                      | 2,75                      | 10,51                     | 1,85   | 1,98   | 3,44   | 0,59             |
| 175 | 12:12:12 | 0,17             | 0,34             | 0,66             | 2,08                      | 2,75                      | 10,51                     | 3,01   | 2,18   | 2,27   | 0,85             |
| 176 | 12:12:17 | 0,12             | 0,27             | 0,57             | 2,08                      | 2,75                      | 10,51                     | 2,65   | 2,68   | 2,72   | 0,71             |
| 177 | 12:12:22 | 0,24             | 0,26             | 0,61             | 2,08                      | 2,75                      | 10,51                     | 1,19   | 1,97   | 2,54   | 0,78             |
| 178 | 12:12:27 | 0,11             | 0,13             | 0,53             | 2,08                      | 2,75                      | 10,51                     | 2,21   | 3,75   | 2,79   | 0,58             |
| 179 | 12:12:32 | 0,11             | 0,19             | 0,53             | 2,08                      | 2,75                      | 10,51                     | 2,95   | 2,13   | 2,79   | 0,61             |
| 180 | 12:12:37 | 0,12             | 0,18             | 0,75             | 2,08                      | 2,75                      | 10,51                     | 1,38   | 2,64   | 1,14   | 0,81             |
| 181 | 12:12:42 | 0,09             | 0,20             | 0,41             | 2,08                      | 2,75                      | 10,51                     | 1,28   | 2,01   | 2,20   | 0,52             |
| 182 | 12:12:47 | 0,08             | 0,16             | 0,55             | 2,08                      | 2,75                      | 10,51                     | 4,28   | 1,84   | 2,88   | 0,60             |
| 183 | 12:12:52 | 0,08             | 0,17             | 0,41             | 2,08                      | 2,75                      | 10,51                     | 1,30   | 1,45   | 2,49   | 0,48             |
| 184 | 12:12:57 | 0,09             | 0,12             | 0,52             | 2,08                      | 2,75                      | 10,51                     | 1,89   | 1,90   | 3,65   | 0,57             |
| 185 | 12:13:02 | 0,11             | 0,11             | 0,57             | 2,08                      | 2,75                      | 10,51                     | 2,34   | 3,21   | 1,66   | 0,61             |
| 186 | 12:13:07 | 0,09             | 0,16             | 0,51             | 2,08                      | 2,75                      | 10,51                     | 1,55   | 1,56   | 2,02   | 0,58             |
| 187 | 12:13:12 | 0,12             | 0,16             | 0,61             | 2,08                      | 2,75                      | 10,51                     | 1,43   | 1,55   | 3,17   | 0,67             |
| 188 | 12:13:17 | 0,09             | 0,10             | 0,46             | 2,08                      | 2,75                      | 10,51                     | 2,06   | 3,83   | 3,31   | 0,50             |
| 189 | 12:13:22 | 0,10             | 0,17             | 0,46             | 2,08                      | 2,75                      | 10,51                     | 1,62   | 1,82   | 2,96   | 0,53             |
| 190 | 12:13:27 | 0,13             | 0,19             | 0,55             | 2,08                      | 2,76                      | 10,51                     | 1,12   | 2,04   | 1,98   | 0,63             |
| 191 | 12:13:32 | 0,08             | 0,18             | 0,38             | 2,08                      | 2,76                      | 10,52                     | 2,00   | 1,82   | 3,15   | 0,47             |
| 192 | 12:13:37 | 0,09             | 0,24             | 0,49             | 2,08                      | 2,76                      | 10,52                     | 1,62   | 1,82   | 2,35   | 0,61             |
| 193 | 12:13:42 | 0,11             | 0,21             | 0,49             | 2,08                      | 2,76                      | 10,52                     | 1,92   | 2,55   | 4,69   | 0,59             |
| 194 | 12:13:47 | 0,09             | 0,16             | 0,51             | 2,08                      | 2,76                      | 10,52                     | 2,39   | 2,41   | 3,01   | 0,57             |
| 195 | 12:13:52 | 0,11             | 0,21             | 0,60             | 2,08                      | 2,76                      | 10,52                     | 3,21   | 2,42   | 2,94   | 0,69             |
| 196 | 12:13:57 | 0,10             | 0,16             | 0,54             | 2,08                      | 2,76                      | 10,52                     | 1,84   | 1,55   | 1,68   | 0,60             |
| 197 | 12:14:02 | 0,09             | 0,20             | 0,48             | 2,08                      | 2,76                      | 10,52                     | 2,82   | 1,75   | 2,75   | 0,57             |
| 198 | 12:14:07 | 0,11             | 0,13             | 0,58             | 2,08                      | 2,76                      | 10,52                     | 2,76   | 2,18   | 3,03   | 0,63             |
| 199 | 12:14:12 | 0,12             | 0,15             | 0,66             | 2,08                      | 2,76                      | 10,52                     | 1,29   | 1,76   | 1,18   | 0,71             |
| 200 | 12:14:17 | 0,13             | 0,22             | 0,57             | 2,08                      | 2,76                      | 10,52                     | 1,27   | 2,73   | 1,80   | 0,67             |
| 201 | 12:14:22 | 0,15             | 0,14             | 0,55             | 2,08                      | 2,76                      | 10,52                     | 3,00   | 2,47   | 2,44   | 0,62             |
| 202 | 12:14:27 | 0,10             | 0,15             | 0,56             | 2,08                      | 2,76                      | 10,52                     | 2,51   | 2,22   | 2,78   | 0,61             |
| 203 | 12:14:32 | 0,18             | 0,26             | 0,76             | 2,08                      | 2,76                      | 10,52                     | 1,48   | 2,50   | 2,88   | 0,88             |
| 204 | 12:14:37 | 0,19             | 0,27             | 0,79             | 2,08                      | 2,76                      | 10,52                     | 1,29   | 1,43   | 2,01   | 0,92             |
| 205 | 12:14:42 | 0,22             | 0,22             | 0,65             | 2,08                      | 2,76                      | 10,52                     | 2,62   | 2,52   | 3,72   | 0,78             |
| 206 | 12:14:47 | 0,44             | 0,31             | 0,81             | 2,12                      | 2,76                      | 10,52                     | 1,15   | 2,80   | 1,81   | 1,10             |
| 207 | 12:14:52 | 0,36             | 0,21             | 0,51             | 2,14                      | 2,76                      | 10,52                     | 0,63   | 2,16   | 2,22   | 0,77             |
| 208 | 12:14:57 | 0,24             | 0,30             | 0,62             | 2,14                      | 2,76                      | 10,53                     | 0,90   | 1,33   | 2,33   | 0,81             |
| 209 | 12:15:02 | 0,11             | 0,23             | 0,78             | 2,14                      | 2,76                      | 10,53                     | 2,49   | 1,48   | 1,42   | 0,86             |
| 210 | 12:15:07 | 0,16             | 0,19             | 0,61             | 2,14                      | 2,76                      | 10,53                     | 2,28   | 2,93   | 2,94   | 0,71             |
| 211 | 12:15:12 | 0,11             | 0,27             | 0,71             | 2,14                      | 2,76                      | 10,53                     | 3,28   | 3,17   | 4,68   | 0,81             |
| 212 | 12:15:17 | 0,17             | 0,21             | 0,85             | 2,14                      | 2,76                      | 10,53                     | 2,09   | 2,55   | 2,48   | 0,93             |
| 213 | 12:15:22 | 0,12             | 0,17             | 0,67             | 2,14                      | 2,76                      | 10,53                     | 1,90   | 2,20   | 1,78   | 0,73             |
| 214 | 12:15:27 | 0,15             | 0,21             | 0,78             | 2,14                      | 2,76                      | 10,53                     | 2,38   | 1,62   | 2,42   | 0,86             |
| 215 | 12:15:32 | 0,20             | 0,18             | 0,81             | 2,14                      | 2,76                      | 10,53                     | 2,31   | 3,16   | 2,35   | 0,89             |
| 216 | 12:15:37 | 0,11             | 0,24             | 0,67             | 2,14                      | 2,76                      | 10,53                     | 1,95   | 1,33   | 2,10   | 0,77             |
| 217 | 12:15:42 | 0,11             | 0,22             | 0,72             | 2,14                      | 2,77                      | 10,53                     | 2,34   | 3,40   | 2,59   | 0,80             |
| 218 | 12:15:47 | 0,14             | 0,23             | 0,67             | 2,14                      | 2,77                      | 10,53                     | 3,74   | 3,56   | 1,92   | 0,77             |
| 219 | 12:15:52 | 0,10             | 0,23             | 0,47             | 2,14                      | 2,77                      | 10,53                     | 1,41   | 0,68   | 1,50   | 0,58             |
| 220 | 12:15:57 | 0,10             | 0,17             | 0,51             | 2,14                      | 2,77                      | 10,53                     | 2,45   | 1,74   | 1,71   | 0,58             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{wz} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 221 | 12:16:02 | 0,12             | 0,32             | 0,58             | 2,14                      | 2,77                      | 10,53                     | 1,78   | 1,13   | 1,58   | 0,75             |
| 222 | 12:16:07 | 0,13             | 0,26             | 0,71             | 2,14                      | 2,77                      | 10,54                     | 2,12   | 2,89   | 2,30   | 0,82             |
| 223 | 12:16:12 | 0,08             | 0,18             | 0,36             | 2,14                      | 2,77                      | 10,54                     | 2,19   | 1,21   | 2,86   | 0,46             |
| 224 | 12:16:17 | 0,13             | 0,30             | 0,56             | 2,14                      | 2,77                      | 10,54                     | 1,51   | 1,95   | 1,41   | 0,72             |
| 225 | 12:16:22 | 0,12             | 0,28             | 0,51             | 2,14                      | 2,77                      | 10,54                     | 2,62   | 2,48   | 2,37   | 0,67             |
| 226 | 12:16:27 | 0,08             | 0,17             | 0,40             | 2,14                      | 2,77                      | 10,54                     | 3,38   | 1,17   | 2,02   | 0,48             |
| 227 | 12:16:32 | 0,13             | 0,20             | 0,59             | 2,14                      | 2,77                      | 10,54                     | 3,88   | 1,89   | 2,32   | 0,68             |
| 228 | 12:16:38 | 0,11             | 0,22             | 0,46             | 2,14                      | 2,77                      | 10,54                     | 1,85   | 1,64   | 1,61   | 0,58             |
| 229 | 12:16:43 | 0,11             | 0,40             | 0,45             | 2,14                      | 2,77                      | 10,54                     | 3,04   | 2,23   | 2,66   | 0,74             |
| 230 | 12:16:48 | 0,13             | 0,25             | 0,48             | 2,14                      | 2,78                      | 10,54                     | 3,96   | 1,44   | 4,53   | 0,62             |
| 231 | 12:16:53 | 0,11             | 0,20             | 0,43             | 2,14                      | 2,78                      | 10,54                     | 2,29   | 2,97   | 2,54   | 0,54             |
| 232 | 12:16:58 | 0,09             | 0,19             | 0,42             | 2,14                      | 2,78                      | 10,54                     | 1,58   | 1,56   | 2,54   | 0,51             |
| 233 | 12:17:03 | 0,08             | 0,20             | 0,45             | 2,14                      | 2,78                      | 10,54                     | 2,20   | 2,17   | 2,86   | 0,54             |
| 234 | 12:17:08 | 0,24             | 0,31             | 0,88             | 2,14                      | 2,78                      | 10,54                     | 1,98   | 1,19   | 1,88   | 1,04             |
| 235 | 12:17:13 | 0,14             | 0,40             | 0,72             | 2,14                      | 2,78                      | 10,54                     | 1,27   | 1,09   | 0,98   | 0,93             |
| 236 | 12:17:18 | 0,09             | 0,21             | 0,50             | 2,14                      | 2,78                      | 10,54                     | 2,20   | 2,12   | 1,91   | 0,59             |
| 237 | 12:17:23 | 0,13             | 0,24             | 0,50             | 2,14                      | 2,78                      | 10,54                     | 1,91   | 2,24   | 1,57   | 0,63             |
| 238 | 12:17:28 | 0,10             | 0,20             | 0,45             | 2,14                      | 2,78                      | 10,54                     | 2,34   | 1,28   | 1,48   | 0,55             |
| 239 | 12:17:33 | 0,09             | 0,18             | 0,41             | 2,14                      | 2,78                      | 10,54                     | 1,91   | 2,68   | 2,27   | 0,49             |
| 240 | 12:17:38 | 0,07             | 0,13             | 0,34             | 2,14                      | 2,78                      | 10,54                     | 1,88   | 1,76   | 1,92   | 0,40             |
| 241 | 12:17:43 | 0,19             | 0,21             | 0,92             | 2,14                      | 2,78                      | 10,55                     | 1,26   | 1,57   | 1,11   | 1,00             |
| 242 | 12:17:48 | 0,09             | 0,23             | 0,52             | 2,14                      | 2,78                      | 10,55                     | 3,23   | 2,49   | 3,59   | 0,62             |
| 243 | 12:17:53 | 0,15             | 0,19             | 0,71             | 2,14                      | 2,78                      | 10,55                     | 1,76   | 2,65   | 2,29   | 0,79             |
| 244 | 12:17:58 | 0,11             | 0,19             | 0,62             | 2,14                      | 2,78                      | 10,55                     | 2,19   | 2,00   | 2,34   | 0,69             |
| 245 | 12:18:03 | 0,10             | 0,27             | 0,50             | 2,14                      | 2,79                      | 10,55                     | 2,29   | 1,30   | 2,56   | 0,64             |
| 246 | 12:18:08 | 0,08             | 0,31             | 0,37             | 2,14                      | 2,79                      | 10,55                     | 1,55   | 1,47   | 1,33   | 0,59             |
| 247 | 12:18:13 | 0,10             | 0,18             | 0,43             | 2,14                      | 2,79                      | 10,55                     | 1,54   | 1,06   | 1,69   | 0,52             |
| 248 | 12:18:18 | 0,07             | 0,21             | 0,44             | 2,14                      | 2,79                      | 10,55                     | 2,66   | 2,13   | 1,52   | 0,54             |
| 249 | 12:18:23 | 0,10             | 0,30             | 0,46             | 2,14                      | 2,79                      | 10,55                     | 2,07   | 1,10   | 2,44   | 0,64             |
| 250 | 12:18:28 | 0,15             | 0,28             | 0,67             | 2,14                      | 2,79                      | 10,55                     | 1,79   | 2,44   | 2,37   | 0,81             |
| 251 | 12:18:33 | 0,12             | 0,18             | 0,47             | 2,14                      | 2,79                      | 10,55                     | 1,86   | 1,72   | 3,08   | 0,56             |
| 252 | 12:18:38 | 0,09             | 0,17             | 0,47             | 2,14                      | 2,79                      | 10,55                     | 2,15   | 2,86   | 1,91   | 0,54             |
| 253 | 12:18:43 | 0,10             | 0,32             | 0,62             | 2,14                      | 2,79                      | 10,55                     | 3,13   | 3,05   | 1,85   | 0,78             |
| 254 | 12:18:48 | 0,11             | 0,22             | 0,54             | 2,14                      | 2,79                      | 10,55                     | 1,38   | 1,40   | 1,42   | 0,64             |
| 255 | 12:18:53 | 0,19             | 0,17             | 0,51             | 2,14                      | 2,79                      | 10,55                     | 1,46   | 3,32   | 4,31   | 0,62             |
| 256 | 12:18:58 | 0,17             | 0,27             | 0,63             | 2,15                      | 2,79                      | 10,55                     | 1,20   | 0,74   | 2,30   | 0,77             |
| 257 | 12:19:03 | 0,12             | 0,30             | 0,44             | 2,15                      | 2,79                      | 10,55                     | 1,80   | 1,32   | 2,00   | 0,63             |
| 258 | 12:19:08 | 0,13             | 0,24             | 0,46             | 2,15                      | 2,79                      | 10,55                     | 2,17   | 3,03   | 5,00   | 0,59             |
| 259 | 12:19:13 | 0,18             | 0,39             | 0,98             | 2,15                      | 2,80                      | 10,56                     | 1,15   | 1,29   | 1,75   | 1,15             |
| 260 | 12:19:19 | 0,11             | 0,37             | 0,72             | 2,15                      | 2,80                      | 10,56                     | 1,69   | 1,32   | 1,92   | 0,91             |
| 261 | 12:19:24 | 0,06             | 0,19             | 0,33             | 2,15                      | 2,80                      | 10,56                     | 1,64   | 0,82   | 3,85   | 0,43             |
| 262 | 12:19:29 | 0,09             | 0,17             | 0,49             | 2,15                      | 2,80                      | 10,56                     | 3,07   | 1,74   | 3,38   | 0,56             |
| 263 | 12:19:34 | 0,10             | 0,13             | 0,48             | 2,15                      | 2,80                      | 10,56                     | 1,17   | 2,90   | 1,55   | 0,53             |
| 264 | 12:19:39 | 0,07             | 0,19             | 0,38             | 2,15                      | 2,80                      | 10,56                     | 2,38   | 1,03   | 1,88   | 0,48             |
| 265 | 12:19:44 | 0,11             | 0,16             | 0,63             | 2,15                      | 2,80                      | 10,56                     | 1,26   | 1,26   | 1,10   | 0,69             |
| 266 | 12:19:49 | 0,14             | 0,19             | 0,61             | 2,15                      | 2,80                      | 10,56                     | 2,51   | 0,89   | 1,73   | 0,70             |
| 267 | 12:19:54 | 0,12             | 0,31             | 0,68             | 2,15                      | 2,80                      | 10,56                     | 2,53   | 2,78   | 3,01   | 0,82             |
| 268 | 12:19:59 | 0,19             | 0,28             | 0,64             | 2,15                      | 2,81                      | 10,56                     | 1,80   | 3,23   | 2,56   | 0,80             |
| 269 | 12:20:04 | 0,13             | 0,29             | 0,61             | 2,15                      | 2,81                      | 10,56                     | 1,90   | 1,80   | 3,05   | 0,76             |
| 270 | 12:20:09 | 0,11             | 0,23             | 0,46             | 2,15                      | 2,81                      | 10,56                     | 0,85   | 1,26   | 1,58   | 0,59             |
| 271 | 12:20:14 | 0,09             | 0,18             | 0,36             | 2,15                      | 2,81                      | 10,56                     | 2,66   | 1,84   | 4,46   | 0,46             |
| 272 | 12:20:19 | 0,12             | 0,26             | 0,71             | 2,15                      | 2,81                      | 10,56                     | 2,19   | 2,56   | 1,81   | 0,82             |
| 273 | 12:20:24 | 0,21             | 0,22             | 0,60             | 2,15                      | 2,81                      | 10,56                     | 1,51   | 1,67   | 1,67   | 0,73             |
| 274 | 12:20:29 | 0,52             | 0,20             | 1,14             | 2,18                      | 2,81                      | 10,57                     | 1,90   | 1,00   | 1,20   | 1,39             |
| 275 | 12:20:34 | 0,42             | 0,15             | 0,46             | 2,23                      | 2,81                      | 10,57                     | 0,37   | 1,36   | 1,57   | 0,78             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 276 | 12:20:39 | 0,23             | 0,17             | 0,41             | 2,23                      | 2,81                      | 10,57                     | 0,77   | 1,99   | 1,99   | 0,57             |
| 277 | 12:20:44 | 0,07             | 0,16             | 0,42             | 2,23                      | 2,81                      | 10,57                     | 1,82   | 2,24   | 1,79   | 0,49             |
| 278 | 12:20:49 | 0,06             | 0,20             | 0,34             | 2,23                      | 2,81                      | 10,57                     | 1,99   | 1,94   | 2,29   | 0,44             |
| 279 | 12:20:54 | 0,07             | 0,17             | 0,25             | 2,23                      | 2,81                      | 10,57                     | 1,98   | 2,74   | 1,80   | 0,36             |
| 280 | 12:20:59 | 0,10             | 0,20             | 0,34             | 2,23                      | 2,81                      | 10,57                     | 2,29   | 0,98   | 2,70   | 0,46             |
| 281 | 12:21:04 | 0,13             | 0,29             | 0,49             | 2,23                      | 2,81                      | 10,57                     | 1,91   | 1,88   | 3,37   | 0,67             |
| 282 | 12:21:09 | 0,10             | 0,22             | 0,30             | 2,23                      | 2,81                      | 10,57                     | 2,78   | 1,79   | 1,16   | 0,45             |
| 283 | 12:21:14 | 0,35             | 0,27             | 0,46             | 2,24                      | 2,81                      | 10,57                     | 2,57   | 1,42   | 3,53   | 0,77             |
| 284 | 12:21:19 | 0,25             | 0,38             | 0,46             | 2,24                      | 2,81                      | 10,57                     | 0,96   | 1,30   | 1,54   | 0,78             |
| 285 | 12:21:24 | 0,29             | 0,23             | 0,26             | 2,24                      | 2,81                      | 10,57                     | 2,07   | 1,81   | 2,69   | 0,58             |
| 286 | 12:21:29 | 0,09             | 0,20             | 0,30             | 2,24                      | 2,82                      | 10,57                     | 1,96   | 2,41   | 2,29   | 0,43             |
| 287 | 12:21:34 | 0,11             | 0,13             | 0,41             | 2,24                      | 2,82                      | 10,57                     | 3,78   | 3,67   | 2,95   | 0,47             |
| 288 | 12:21:39 | 0,23             | 0,26             | 0,44             | 2,24                      | 2,82                      | 10,57                     | 1,22   | 1,89   | 2,39   | 0,66             |
| 289 | 12:21:44 | 0,36             | 0,44             | 0,63             | 2,24                      | 2,82                      | 10,57                     | 0,74   | 1,48   | 2,42   | 1,01             |
| 290 | 12:21:49 | 0,29             | 0,19             | 0,41             | 2,25                      | 2,82                      | 10,57                     | 3,31   | 2,35   | 3,77   | 0,64             |
| 291 | 12:21:54 | 0,12             | 0,14             | 0,48             | 2,25                      | 2,82                      | 10,57                     | 1,26   | 2,64   | 1,76   | 0,54             |
| 292 | 12:21:59 | 0,08             | 0,18             | 0,37             | 2,25                      | 2,82                      | 10,57                     | 3,09   | 1,20   | 2,13   | 0,46             |
| 293 | 12:22:04 | 0,08             | 0,12             | 0,32             | 2,25                      | 2,82                      | 10,57                     | 1,54   | 2,03   | 1,72   | 0,38             |
| 294 | 12:22:09 | 0,07             | 0,12             | 0,37             | 2,25                      | 2,82                      | 10,57                     | 1,68   | 3,68   | 3,06   | 0,42             |
| 295 | 12:22:14 | 0,08             | 0,21             | 0,43             | 2,25                      | 2,82                      | 10,57                     | 3,21   | 1,57   | 2,55   | 0,53             |
| 296 | 12:22:19 | 0,16             | 0,26             | 0,60             | 2,25                      | 2,82                      | 10,57                     | 0,85   | 0,86   | 1,04   | 0,74             |
| 297 | 12:22:24 | 0,12             | 0,13             | 0,42             | 2,25                      | 2,82                      | 10,57                     | 1,65   | 1,82   | 2,58   | 0,49             |
| 298 | 12:22:29 | 0,09             | 0,17             | 0,40             | 2,25                      | 2,82                      | 10,57                     | 1,98   | 2,92   | 1,22   | 0,48             |
| 299 | 12:22:34 | 0,08             | 0,15             | 0,38             | 2,25                      | 2,82                      | 10,57                     | 2,10   | 2,02   | 2,60   | 0,45             |
| 300 | 12:22:39 | 0,11             | 0,13             | 0,51             | 2,25                      | 2,82                      | 10,57                     | 2,41   | 1,96   | 0,97   | 0,56             |
| 301 | 12:22:44 | 0,14             | 0,19             | 0,34             | 2,25                      | 2,82                      | 10,57                     | 1,71   | 3,28   | 1,66   | 0,47             |
| 302 | 12:22:49 | 0,45             | 0,22             | 0,41             | 2,28                      | 2,82                      | 10,57                     | 1,98   | 3,26   | 4,56   | 0,81             |
| 303 | 12:22:54 | 0,36             | 0,76             | 0,82             | 2,29                      | 2,92                      | 10,58                     | 2,20   | 0,48   | 2,11   | 1,43             |
| 304 | 12:22:59 | 0,39             | 0,19             | 0,37             | 2,29                      | 2,92                      | 10,58                     | 1,92   | 0,86   | 3,37   | 0,71             |
| 305 | 12:23:04 | 0,09             | 0,13             | 0,38             | 2,29                      | 2,92                      | 10,58                     | 3,21   | 3,22   | 1,66   | 0,44             |
| 306 | 12:23:09 | 0,10             | 0,17             | 0,40             | 2,29                      | 2,93                      | 10,58                     | 2,42   | 4,07   | 1,94   | 0,49             |
| 307 | 12:23:14 | 0,09             | 0,29             | 0,35             | 2,29                      | 2,93                      | 10,58                     | 3,36   | 0,62   | 2,23   | 0,55             |
| 308 | 12:23:19 | 0,13             | 0,17             | 0,35             | 2,29                      | 2,93                      | 10,58                     | 1,23   | 1,27   | 2,00   | 0,46             |
| 309 | 12:23:25 | 0,43             | 0,31             | 0,31             | 2,30                      | 2,93                      | 10,58                     | 0,48   | 2,01   | 2,08   | 0,80             |
| 310 | 12:23:30 | 0,17             | 0,20             | 0,37             | 2,30                      | 2,93                      | 10,58                     | 1,87   | 1,31   | 0,91   | 0,52             |
| 311 | 12:23:35 | 0,09             | 0,12             | 0,23             | 2,30                      | 2,93                      | 10,58                     | 1,75   | 1,14   | 2,50   | 0,31             |
| 312 | 12:23:40 | 0,19             | 0,17             | 0,27             | 2,30                      | 2,93                      | 10,58                     | 3,37   | 1,19   | 2,61   | 0,45             |
| 313 | 12:23:45 | 0,11             | 0,10             | 0,31             | 2,30                      | 2,93                      | 10,58                     | 0,93   | 1,56   | 1,88   | 0,37             |
| 314 | 12:23:50 | 0,42             | 0,28             | 1,15             | 2,32                      | 2,93                      | 10,59                     | 1,61   | 2,77   | 3,95   | 1,35             |
| 315 | 12:23:55 | 0,20             | 0,20             | 3,22             | 2,32                      | 2,93                      | 10,76                     | 2,02   | 1,09   | 1,67   | 3,25             |
| 316 | 12:24:00 | 0,19             | 0,06             | 3,14             | 2,32                      | 2,93                      | 10,89                     | 1,80   | 2,44   | 1,60   | 3,16             |
| 317 | 12:24:05 | 0,19             | 0,06             | 3,05             | 2,32                      | 2,93                      | 11,02                     | 1,67   | 1,34   | 1,60   | 3,07             |
| 318 | 12:24:10 | 0,20             | 0,04             | 3,02             | 2,32                      | 2,93                      | 11,13                     | 1,77   | 1,97   | 1,74   | 3,03             |
| 319 | 12:24:15 | 0,21             | 0,03             | 2,93             | 2,32                      | 2,93                      | 11,24                     | 1,54   | 1,94   | 1,34   | 2,94             |
| 320 | 12:24:20 | 0,20             | 0,04             | 2,73             | 2,32                      | 2,93                      | 11,31                     | 1,69   | 1,67   | 1,72   | 2,75             |
| 321 | 12:24:25 | 0,21             | 0,03             | 2,83             | 2,32                      | 2,93                      | 11,38                     | 1,69   | 2,57   | 1,63   | 2,84             |
| 322 | 12:24:30 | 0,21             | 0,04             | 2,80             | 2,32                      | 2,93                      | 11,46                     | 1,76   | 2,16   | 1,63   | 2,82             |
| 323 | 12:24:35 | 0,21             | 0,03             | 2,81             | 2,32                      | 2,93                      | 11,53                     | 1,69   | 2,28   | 1,62   | 2,82             |
| 324 | 12:24:40 | 0,21             | 0,03             | 2,79             | 2,32                      | 2,93                      | 11,60                     | 1,75   | 2,29   | 1,73   | 2,80             |
| 325 | 12:24:45 | 0,21             | 0,02             | 2,78             | 2,32                      | 2,93                      | 11,67                     | 1,65   | 2,53   | 1,63   | 2,80             |
| 326 | 12:24:50 | 0,21             | 0,02             | 2,78             | 2,32                      | 2,93                      | 11,73                     | 1,62   | 2,33   | 1,64   | 2,79             |
| 327 | 12:24:55 | 0,21             | 0,03             | 2,77             | 2,32                      | 2,93                      | 11,80                     | 1,68   | 2,51   | 1,59   | 2,78             |
| 328 | 12:25:00 | 0,21             | 0,03             | 2,76             | 2,33                      | 2,93                      | 11,87                     | 1,64   | 2,44   | 1,62   | 2,78             |
| 329 | 12:25:05 | 0,21             | 0,03             | 2,77             | 2,33                      | 2,93                      | 11,93                     | 1,67   | 2,27   | 1,59   | 2,78             |
| 330 | 12:25:10 | 0,20             | 0,02             | 2,74             | 2,33                      | 2,93                      | 11,99                     | 1,68   | 2,56   | 1,61   | 2,75             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 331 | 12:25:15 | 0,20             | 0,02             | 2,73             | 2,33                      | 2,93                      | 12,04                     | 1,65   | 1,91   | 1,60   | 2,75             |
| 332 | 12:25:20 | 0,20             | 0,02             | 2,75             | 2,33                      | 2,93                      | 12,10                     | 1,60   | 2,23   | 1,56   | 2,76             |
| 333 | 12:25:25 | 0,20             | 0,02             | 2,72             | 2,33                      | 2,93                      | 12,16                     | 1,65   | 2,18   | 1,58   | 2,73             |
| 334 | 12:25:30 | 0,20             | 0,02             | 2,73             | 2,33                      | 2,93                      | 12,22                     | 1,65   | 2,17   | 1,62   | 2,74             |
| 335 | 12:25:35 | 0,20             | 0,02             | 2,74             | 2,33                      | 2,93                      | 12,27                     | 2,77   | 4,04   | 2,09   | 2,75             |
| 336 | 12:25:40 | 0,20             | 0,02             | 2,71             | 2,33                      | 2,93                      | 12,32                     | 3,73   | 2,92   | 2,29   | 2,73             |
| 337 | 12:25:45 | 0,21             | 0,03             | 2,73             | 2,33                      | 2,93                      | 12,36                     | 1,61   | 2,17   | 1,56   | 2,74             |
| 338 | 12:25:50 | 0,20             | 0,03             | 2,72             | 2,33                      | 2,93                      | 12,41                     | 1,62   | 2,05   | 1,62   | 2,74             |
| 339 | 12:25:55 | 0,20             | 0,03             | 2,72             | 2,33                      | 2,93                      | 12,46                     | 1,61   | 2,39   | 1,61   | 2,73             |
| 340 | 12:26:00 | 0,20             | 0,03             | 2,70             | 2,33                      | 2,93                      | 12,51                     | 1,68   | 2,91   | 1,59   | 2,72             |
| 341 | 12:26:05 | 0,19             | 0,04             | 2,87             | 2,33                      | 2,93                      | 12,57                     | 1,68   | 1,90   | 1,66   | 2,88             |
| 342 | 12:26:10 | 0,18             | 0,04             | 2,59             | 2,33                      | 2,93                      | 12,61                     | 1,63   | 1,97   | 1,47   | 2,60             |
| 343 | 12:26:15 | 0,16             | 0,04             | 2,62             | 2,33                      | 2,93                      | 12,65                     | 1,62   | 2,55   | 1,67   | 2,63             |
| 344 | 12:26:21 | 0,18             | 0,04             | 2,68             | 2,33                      | 2,93                      | 12,70                     | 1,80   | 2,21   | 1,64   | 2,69             |
| 345 | 12:26:26 | 0,20             | 0,06             | 2,64             | 2,33                      | 2,93                      | 12,74                     | 1,87   | 2,71   | 1,62   | 2,66             |
| 346 | 12:26:31 | 0,19             | 0,08             | 2,49             | 2,33                      | 2,93                      | 12,78                     | 1,56   | 3,13   | 1,32   | 2,50             |
| 347 | 12:26:36 | 0,16             | 0,09             | 2,60             | 2,33                      | 2,93                      | 12,82                     | 1,77   | 1,85   | 1,64   | 2,61             |
| 348 | 12:26:41 | 0,16             | 0,06             | 2,84             | 2,33                      | 2,93                      | 12,90                     | 1,88   | 2,62   | 1,89   | 2,85             |
| 349 | 12:26:46 | 0,18             | 0,05             | 2,69             | 2,33                      | 2,93                      | 12,95                     | 1,72   | 2,18   | 1,61   | 2,70             |
| 350 | 12:26:51 | 0,18             | 0,06             | 2,55             | 2,33                      | 2,93                      | 12,99                     | 1,56   | 2,04   | 1,55   | 2,57             |
| 351 | 12:26:56 | 0,18             | 0,05             | 2,50             | 2,33                      | 2,93                      | 13,02                     | 1,58   | 2,04   | 1,59   | 2,51             |
| 352 | 12:27:01 | 0,19             | 0,05             | 2,47             | 2,33                      | 2,93                      | 13,05                     | 1,61   | 2,41   | 1,61   | 2,48             |
| 353 | 12:27:06 | 0,19             | 0,06             | 2,46             | 2,33                      | 2,93                      | 13,08                     | 1,59   | 2,38   | 1,58   | 2,48             |
| 354 | 12:27:11 | 0,19             | 0,06             | 2,46             | 2,33                      | 2,93                      | 13,11                     | 1,61   | 2,29   | 1,57   | 2,48             |
| 355 | 12:27:16 | 0,19             | 0,05             | 2,43             | 2,33                      | 2,93                      | 13,13                     | 1,60   | 2,26   | 1,65   | 2,45             |
| 356 | 12:27:21 | 0,19             | 0,06             | 2,46             | 2,33                      | 2,93                      | 13,16                     | 1,59   | 2,26   | 1,56   | 2,47             |
| 357 | 12:27:26 | 0,19             | 0,06             | 2,42             | 2,33                      | 2,93                      | 13,19                     | 1,58   | 2,23   | 1,60   | 2,44             |
| 358 | 12:27:31 | 0,19             | 0,06             | 2,44             | 2,33                      | 2,93                      | 13,22                     | 1,77   | 2,64   | 1,60   | 2,45             |
| 359 | 12:27:36 | 0,19             | 0,07             | 2,45             | 2,33                      | 2,93                      | 13,25                     | 1,67   | 2,84   | 1,60   | 2,46             |
| 360 | 12:27:41 | 0,19             | 0,06             | 2,43             | 2,33                      | 2,93                      | 13,27                     | 1,56   | 2,06   | 1,60   | 2,44             |
| 361 | 12:27:46 | 0,19             | 0,06             | 2,44             | 2,33                      | 2,93                      | 13,30                     | 1,58   | 2,27   | 1,62   | 2,45             |
| 362 | 12:27:51 | 0,19             | 0,06             | 2,42             | 2,33                      | 2,93                      | 13,33                     | 1,57   | 2,15   | 1,58   | 2,44             |
| 363 | 12:27:56 | 0,19             | 0,06             | 2,42             | 2,33                      | 2,93                      | 13,36                     | 1,55   | 2,02   | 1,58   | 2,44             |
| 364 | 12:28:01 | 0,19             | 0,06             | 2,43             | 2,33                      | 2,93                      | 13,38                     | 3,40   | 2,68   | 1,63   | 2,45             |
| 365 | 12:28:06 | 0,19             | 0,06             | 2,43             | 2,33                      | 2,93                      | 13,40                     | 1,57   | 2,00   | 1,57   | 2,45             |
| 366 | 12:28:11 | 0,19             | 0,06             | 2,42             | 2,33                      | 2,93                      | 13,43                     | 1,55   | 2,20   | 1,57   | 2,43             |
| 367 | 12:28:16 | 0,19             | 0,06             | 2,43             | 2,33                      | 2,93                      | 13,45                     | 1,60   | 2,29   | 1,60   | 2,44             |
| 368 | 12:28:21 | 0,19             | 0,06             | 2,42             | 2,33                      | 2,93                      | 13,48                     | 1,81   | 1,97   | 1,59   | 2,44             |
| 369 | 12:28:26 | 0,49             | 0,64             | 2,48             | 2,35                      | 2,99                      | 13,96                     | 0,74   | 2,61   | 0,22   | 2,72             |
| 370 | 12:28:31 | 0,29             | 0,23             | 0,28             | 2,36                      | 2,99                      | 13,96                     | 0,93   | 1,49   | 2,36   | 0,59             |
| 371 | 12:28:36 | 0,12             | 0,10             | 0,19             | 2,36                      | 2,99                      | 13,96                     | 3,88   | 2,32   | 1,35   | 0,29             |
| 372 | 12:28:41 | 0,46             | 0,13             | 0,19             | 2,37                      | 2,99                      | 13,96                     | 0,34   | 1,04   | 2,79   | 0,70             |
| 373 | 12:28:46 | 0,28             | 0,08             | 0,25             | 2,37                      | 2,99                      | 13,96                     | 1,26   | 2,57   | 2,27   | 0,48             |
| 374 | 12:28:51 | 0,21             | 0,18             | 0,19             | 2,37                      | 2,99                      | 13,96                     | 1,31   | 2,97   | 1,65   | 0,43             |
| 375 | 12:28:56 | 0,38             | 0,32             | 0,32             | 2,38                      | 2,99                      | 13,96                     | 0,35   | 0,72   | 1,73   | 0,76             |
| 376 | 12:29:01 | 0,25             | 0,16             | 0,34             | 2,38                      | 2,99                      | 13,96                     | 0,56   | 1,38   | 2,09   | 0,54             |
| 377 | 12:29:06 | 0,06             | 0,17             | 0,26             | 2,38                      | 2,99                      | 13,96                     | 2,11   | 1,94   | 1,72   | 0,36             |
| 378 | 12:29:11 | 0,11             | 0,16             | 0,44             | 2,38                      | 2,99                      | 13,96                     | 1,29   | 1,14   | 2,14   | 0,51             |
| 379 | 12:29:16 | 0,04             | 0,09             | 0,20             | 2,38                      | 2,99                      | 13,96                     | 2,02   | 1,62   | 1,90   | 0,24             |
| 380 | 12:29:21 | 0,11             | 0,13             | 0,22             | 2,38                      | 2,99                      | 13,96                     | 2,58   | 2,05   | 2,59   | 0,33             |
| 381 | 12:29:26 | 0,21             | 0,11             | 0,23             | 2,38                      | 2,99                      | 13,96                     | 2,96   | 1,62   | 3,23   | 0,40             |
| 382 | 12:29:31 | 0,18             | 0,07             | 0,33             | 2,38                      | 2,99                      | 13,96                     | 0,39   | 1,50   | 1,73   | 0,42             |
| 383 | 12:29:36 | 0,15             | 0,08             | 0,30             | 2,38                      | 2,99                      | 13,96                     | 4,03   | 3,77   | 1,22   | 0,39             |
| 384 | 12:29:41 | 0,32             | 0,39             | 0,31             | 2,39                      | 3,00                      | 13,96                     | 1,25   | 1,00   | 2,68   | 0,77             |
| 385 | 12:29:46 | 0,39             | 0,22             | 0,41             | 2,40                      | 3,00                      | 13,96                     | 0,49   | 1,05   | 2,11   | 0,75             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 386 | 12:29:51 | 0,12            | 0,18            | 0,46            | 2,40                     | 3,00                     | 13,96                    | 1,70   | 1,71   | 4,08   | 0,55            |
| 387 | 12:29:56 | 0,07            | 0,10            | 0,46            | 2,40                     | 3,00                     | 13,96                    | 1,47   | 4,13   | 1,98   | 0,49            |
| 388 | 12:30:01 | 0,11            | 0,17            | 0,39            | 2,40                     | 3,00                     | 13,96                    | 1,49   | 0,77   | 2,22   | 0,49            |
| 389 | 12:30:06 | 0,22            | 0,21            | 0,47            | 2,40                     | 3,00                     | 13,96                    | 2,82   | 3,71   | 3,32   | 0,63            |
| 390 | 12:30:11 | 0,26            | 0,24            | 0,41            | 2,40                     | 3,00                     | 13,96                    | 4,15   | 1,17   | 4,59   | 0,64            |
| 391 | 12:30:16 | 0,35            | 0,19            | 0,54            | 2,41                     | 3,00                     | 13,96                    | 0,52   | 0,88   | 1,68   | 0,78            |
| 392 | 12:30:21 | 0,08            | 0,13            | 0,37            | 2,41                     | 3,00                     | 13,96                    | 1,84   | 2,22   | 2,25   | 0,43            |
| 393 | 12:30:26 | 0,11            | 0,12            | 0,44            | 2,41                     | 3,00                     | 13,96                    | 1,62   | 1,51   | 2,81   | 0,50            |
| 394 | 12:30:31 | 0,35            | 0,34            | 0,69            | 2,41                     | 3,00                     | 13,96                    | 1,64   | 2,62   | 1,42   | 0,96            |
| 395 | 12:30:36 | 0,22            | 0,37            | 0,47            | 2,41                     | 3,00                     | 13,96                    | 1,19   | 1,38   | 3,54   | 0,76            |
| 396 | 12:30:41 | 0,11            | 0,39            | 0,27            | 2,41                     | 3,01                     | 13,96                    | 1,57   | 1,51   | 1,62   | 0,64            |
| 397 | 12:30:46 | 0,43            | 0,11            | 0,27            | 2,42                     | 3,01                     | 13,96                    | 1,10   | 1,64   | 2,22   | 0,67            |
| 398 | 12:30:51 | 0,15            | 0,10            | 0,30            | 2,42                     | 3,01                     | 13,96                    | 2,14   | 1,50   | 2,30   | 0,39            |
| 399 | 12:30:56 | 0,35            | 0,22            | 0,87            | 2,43                     | 3,01                     | 13,96                    | 0,31   | 1,24   | 0,70   | 1,05            |
| 400 | 12:31:01 | 0,22            | 0,15            | 0,45            | 2,43                     | 3,01                     | 13,96                    | 0,84   | 1,36   | 1,93   | 0,58            |
| 401 | 12:31:06 | 0,07            | 0,10            | 0,30            | 2,43                     | 3,01                     | 13,96                    | 2,67   | 1,69   | 4,59   | 0,35            |
| 402 | 12:31:11 | 0,05            | 0,11            | 0,26            | 2,43                     | 3,01                     | 13,96                    | 2,41   | 2,66   | 2,26   | 0,31            |
| 403 | 12:31:16 | 0,13            | 0,20            | 0,65            | 2,43                     | 3,01                     | 13,96                    | 0,97   | 1,34   | 1,13   | 0,73            |
| 404 | 12:31:21 | 0,07            | 0,17            | 0,35            | 2,43                     | 3,01                     | 13,96                    | 1,79   | 2,37   | 2,29   | 0,43            |
| 405 | 12:31:26 | 0,15            | 0,16            | 0,53            | 2,43                     | 3,01                     | 13,96                    | 1,09   | 1,14   | 1,30   | 0,62            |
| 406 | 12:31:31 | 0,11            | 0,19            | 0,38            | 2,43                     | 3,01                     | 13,96                    | 0,99   | 1,66   | 1,57   | 0,49            |
| 407 | 12:31:36 | 0,13            | 0,17            | 0,40            | 2,43                     | 3,01                     | 13,96                    | 1,66   | 1,91   | 1,84   | 0,50            |
| 408 | 12:31:41 | 0,12            | 0,23            | 0,34            | 2,43                     | 3,01                     | 13,96                    | 1,01   | 1,85   | 1,51   | 0,50            |
| 409 | 12:31:46 | 0,17            | 0,11            | 0,26            | 2,44                     | 3,01                     | 13,96                    | 0,60   | 1,46   | 1,69   | 0,39            |
| 410 | 12:31:51 | 0,47            | 0,35            | 2,24            | 2,49                     | 3,01                     | 14,00                    | 0,85   | 0,95   | 2,20   | 2,39            |
| 411 | 12:31:56 | 0,20            | 0,07            | 3,06            | 2,49                     | 3,01                     | 14,05                    | 1,84   | 1,57   | 1,73   | 3,07            |
| 412 | 12:32:01 | 0,21            | 0,08            | 3,28            | 2,49                     | 3,01                     | 14,13                    | 2,59   | 2,05   | 1,63   | 3,30            |
| 413 | 12:32:06 | 0,19            | 0,03            | 2,82            | 2,49                     | 3,01                     | 14,16                    | 2,14   | 1,95   | 1,78   | 2,83            |
| 414 | 12:32:11 | 0,21            | 0,03            | 2,97            | 2,49                     | 3,01                     | 14,21                    | 1,80   | 2,43   | 1,62   | 2,98            |
| 415 | 12:32:16 | 0,21            | 0,03            | 2,98            | 2,49                     | 3,01                     | 14,25                    | 3,15   | 2,62   | 2,22   | 2,99            |
| 416 | 12:32:21 | 0,21            | 0,03            | 2,99            | 2,49                     | 3,01                     | 14,30                    | 1,77   | 2,84   | 1,60   | 3,00            |
| 417 | 12:32:26 | 0,22            | 0,04            | 3,08            | 2,49                     | 3,01                     | 14,36                    | 1,84   | 3,27   | 1,59   | 3,09            |
| 418 | 12:32:31 | 0,19            | 0,04            | 2,80            | 2,49                     | 3,01                     | 14,40                    | 1,71   | 3,35   | 1,58   | 2,81            |
| 419 | 12:32:36 | 0,19            | 0,05            | 2,82            | 2,49                     | 3,01                     | 14,44                    | 1,93   | 1,85   | 1,68   | 2,83            |
| 420 | 12:32:41 | 0,20            | 0,04            | 2,91            | 2,49                     | 3,01                     | 14,48                    | 2,38   | 2,00   | 1,79   | 2,93            |
| 421 | 12:32:46 | 0,20            | 0,04            | 2,91            | 2,49                     | 3,01                     | 14,52                    | 1,76   | 2,16   | 1,67   | 2,93            |
| 422 | 12:32:51 | 0,20            | 0,08            | 2,95            | 2,49                     | 3,01                     | 14,57                    | 2,98   | 1,36   | 2,18   | 2,97            |
| 423 | 12:32:56 | 0,20            | 0,18            | 2,89            | 2,49                     | 3,01                     | 14,61                    | 4,35   | 7,70   | 1,83   | 2,91            |
| 424 | 12:33:01 | 0,47            | 0,54            | 2,04            | 2,50                     | 3,02                     | 14,68                    | 2,16   | 1,35   | 0,57   | 2,27            |
| 425 | 12:33:06 | 0,23            | 0,14            | 0,61            | 2,50                     | 3,02                     | 14,68                    | 0,65   | 1,29   | 0,81   | 0,72            |
| 426 | 12:33:11 | 0,04            | 0,07            | 0,29            | 2,50                     | 3,02                     | 14,68                    | 1,73   | 1,47   | 1,78   | 0,31            |
| 427 | 12:33:16 | 0,04            | 0,06            | 0,30            | 2,50                     | 3,02                     | 14,68                    | 1,97   | 3,59   | 1,96   | 0,32            |
| 428 | 12:33:21 | 0,22            | 0,10            | 0,33            | 2,50                     | 3,02                     | 14,68                    | 0,36   | 1,69   | 1,56   | 0,47            |
| 429 | 12:33:26 | 0,05            | 0,09            | 0,29            | 2,50                     | 3,02                     | 14,68                    | 3,28   | 3,46   | 2,38   | 0,32            |
| 430 | 12:33:31 | 0,04            | 0,09            | 0,29            | 2,50                     | 3,02                     | 14,68                    | 1,79   | 1,78   | 2,04   | 0,32            |
| 431 | 12:33:36 | 0,24            | 0,13            | 0,31            | 2,50                     | 3,02                     | 14,68                    | 3,39   | 2,92   | 1,30   | 0,49            |
| 432 | 12:33:41 | 0,28            | 0,09            | 0,19            | 2,51                     | 3,02                     | 14,68                    | 0,50   | 2,42   | 2,07   | 0,45            |
| 433 | 12:33:46 | 0,16            | 0,21            | 0,35            | 2,51                     | 3,02                     | 14,68                    | 1,02   | 0,88   | 1,57   | 0,51            |
| 434 | 12:33:51 | 0,06            | 0,12            | 0,21            | 2,51                     | 3,02                     | 14,68                    | 2,16   | 1,94   | 2,16   | 0,28            |
| 435 | 12:33:56 | 0,13            | 0,15            | 0,34            | 2,51                     | 3,02                     | 14,68                    | 2,15   | 1,52   | 4,53   | 0,44            |
| 436 | 12:34:01 | 0,17            | 0,20            | 0,32            | 2,51                     | 3,02                     | 14,68                    | 1,90   | 1,49   | 1,14   | 0,49            |
| 437 | 12:34:06 | 0,24            | 0,08            | 0,34            | 2,51                     | 3,02                     | 14,68                    | 0,75   | 3,69   | 4,12   | 0,49            |
| 438 | 12:34:11 | 0,09            | 0,17            | 0,32            | 2,51                     | 3,02                     | 14,68                    | 1,25   | 0,88   | 1,68   | 0,41            |
| 439 | 12:34:16 | 0,05            | 0,08            | 0,19            | 2,51                     | 3,02                     | 14,68                    | 2,91   | 4,43   | 2,13   | 0,23            |
| 440 | 12:34:21 | 0,12            | 0,10            | 0,23            | 2,51                     | 3,02                     | 14,68                    | 2,21   | 2,72   | 2,73   | 0,31            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 441 | 12:34:26 | 0,17             | 0,21             | 0,25             | 2,51                      | 3,02                      | 14,68                     | 1,88   | 1,93   | 1,59   | 0,46             |
| 442 | 12:34:31 | 0,09             | 0,23             | 0,21             | 2,51                      | 3,02                      | 14,68                     | 1,85   | 0,84   | 2,30   | 0,40             |
| 443 | 12:34:36 | 0,08             | 0,13             | 0,30             | 2,51                      | 3,02                      | 14,68                     | 1,72   | 1,48   | 1,90   | 0,36             |
| 444 | 12:34:41 | 0,30             | 0,22             | 0,27             | 2,51                      | 3,02                      | 14,68                     | 1,00   | 1,63   | 1,89   | 0,59             |
| 445 | 12:34:46 | 0,11             | 0,19             | 0,24             | 2,51                      | 3,02                      | 14,68                     | 3,84   | 0,97   | 3,53   | 0,39             |
| 446 | 12:34:51 | 0,14             | 0,12             | 0,23             | 2,51                      | 3,02                      | 14,68                     | 1,38   | 2,97   | 1,73   | 0,35             |
| 447 | 12:34:56 | 0,13             | 0,13             | 0,57             | 2,51                      | 3,02                      | 14,68                     | 2,93   | 1,95   | 5,80   | 0,62             |
| 448 | 12:35:01 | 0,23             | 0,23             | 0,41             | 2,51                      | 3,02                      | 14,68                     | 0,93   | 1,81   | 3,43   | 0,61             |
| 449 | 12:35:06 | 0,22             | 0,13             | 0,30             | 2,51                      | 3,02                      | 14,68                     | 2,13   | 1,49   | 1,93   | 0,46             |
| 450 | 12:35:11 | 0,15             | 0,09             | 0,32             | 2,51                      | 3,02                      | 14,68                     | 1,94   | 3,76   | 4,02   | 0,40             |
| 451 | 12:35:16 | 0,24             | 0,19             | 0,31             | 2,51                      | 3,02                      | 14,68                     | 1,38   | 2,15   | 3,61   | 0,53             |
| 452 | 12:35:21 | 0,21             | 0,15             | 0,45             | 2,52                      | 3,02                      | 14,68                     | 0,42   | 1,30   | 1,25   | 0,58             |
| 453 | 12:35:26 | 0,06             | 0,13             | 0,27             | 2,52                      | 3,02                      | 14,68                     | 1,85   | 2,25   | 2,37   | 0,34             |
| 454 | 12:35:31 | 0,06             | 0,20             | 0,29             | 2,52                      | 3,02                      | 14,68                     | 2,02   | 0,72   | 2,14   | 0,42             |
| 455 | 12:35:36 | 0,14             | 0,13             | 0,24             | 2,52                      | 3,02                      | 14,68                     | 1,62   | 2,97   | 2,90   | 0,36             |
| 456 | 12:35:41 | 0,24             | 0,22             | 0,24             | 2,52                      | 3,02                      | 14,68                     | 0,66   | 1,31   | 1,58   | 0,52             |
| 457 | 12:35:46 | 0,29             | 0,22             | 0,26             | 2,52                      | 3,02                      | 14,68                     | 1,38   | 0,83   | 2,19   | 0,57             |
| 458 | 12:35:51 | 0,06             | 0,12             | 0,26             | 2,52                      | 3,02                      | 14,68                     | 1,79   | 1,33   | 2,43   | 0,32             |
| 459 | 12:35:56 | 0,07             | 0,10             | 0,29             | 2,52                      | 3,02                      | 14,68                     | 1,73   | 1,62   | 3,20   | 0,33             |
| 460 | 12:36:01 | 0,06             | 0,11             | 0,29             | 2,52                      | 3,02                      | 14,68                     | 1,60   | 1,60   | 2,12   | 0,34             |
| 461 | 12:36:06 | 0,08             | 0,12             | 0,42             | 2,52                      | 3,02                      | 14,68                     | 3,33   | 3,56   | 3,32   | 0,47             |
| 462 | 12:36:11 | 0,10             | 0,22             | 0,52             | 2,52                      | 3,02                      | 14,68                     | 2,63   | 2,51   | 3,43   | 0,62             |
| 463 | 12:36:16 | 0,11             | 0,27             | 0,35             | 2,52                      | 3,03                      | 14,68                     | 1,43   | 0,89   | 2,99   | 0,54             |
| 464 | 12:36:21 | 0,07             | 0,11             | 0,30             | 2,52                      | 3,03                      | 14,68                     | 1,51   | 1,75   | 2,64   | 0,35             |
| 465 | 12:36:26 | 0,10             | 0,26             | 0,48             | 2,52                      | 3,03                      | 14,68                     | 1,14   | 2,41   | 1,17   | 0,62             |
| 466 | 12:36:31 | 0,16             | 0,14             | 0,30             | 2,52                      | 3,03                      | 14,68                     | 2,03   | 1,76   | 1,89   | 0,42             |
| 467 | 12:36:36 | 0,26             | 0,14             | 0,30             | 2,52                      | 3,03                      | 14,68                     | 0,75   | 2,09   | 2,74   | 0,50             |
| 468 | 12:36:41 | 0,05             | 0,09             | 0,28             | 2,52                      | 3,03                      | 14,68                     | 2,39   | 2,14   | 2,16   | 0,32             |
| 469 | 12:36:46 | 0,04             | 0,08             | 0,31             | 2,52                      | 3,03                      | 14,68                     | 1,78   | 3,13   | 3,54   | 0,33             |
| 470 | 12:36:51 | 0,30             | 0,09             | 0,30             | 2,53                      | 3,03                      | 14,68                     | 3,88   | 3,57   | 3,09   | 0,53             |
| 471 | 12:36:56 | 0,41             | 0,21             | 0,25             | 2,54                      | 3,03                      | 14,68                     | 0,77   | 1,62   | 1,73   | 0,70             |
| 472 | 12:37:01 | 0,41             | 0,11             | 0,32             | 2,56                      | 3,03                      | 14,68                     | 0,57   | 2,15   | 2,98   | 0,68             |
| 473 | 12:37:06 | 0,11             | 0,10             | 0,30             | 2,56                      | 3,03                      | 14,68                     | 2,81   | 2,40   | 1,97   | 0,36             |
| 474 | 12:37:11 | 0,24             | 0,23             | 0,35             | 2,56                      | 3,03                      | 14,68                     | 1,62   | 3,10   | 4,66   | 0,58             |
| 475 | 12:37:16 | 0,16             | 0,40             | 0,32             | 2,56                      | 3,04                      | 14,68                     | 0,82   | 1,08   | 2,52   | 0,68             |
| 476 | 12:37:21 | 0,25             | 0,12             | 0,28             | 2,56                      | 3,04                      | 14,68                     | 0,52   | 1,54   | 2,52   | 0,47             |
| 477 | 12:37:26 | 0,20             | 0,09             | 0,27             | 2,56                      | 3,04                      | 14,68                     | 2,45   | 1,73   | 3,52   | 0,41             |
| 478 | 12:37:31 | 0,07             | 0,10             | 0,30             | 2,56                      | 3,04                      | 14,68                     | 1,90   | 1,33   | 2,01   | 0,34             |
| 479 | 12:37:36 | 0,06             | 0,07             | 0,30             | 2,56                      | 3,04                      | 14,68                     | 2,37   | 2,17   | 2,05   | 0,33             |
| 480 | 12:37:41 | 0,11             | 0,18             | 0,46             | 2,56                      | 3,04                      | 14,68                     | 2,93   | 2,51   | 2,28   | 0,55             |
| 481 | 12:37:46 | 0,21             | 0,49             | 0,77             | 2,56                      | 3,04                      | 14,68                     | 1,08   | 1,15   | 2,40   | 1,07             |
| 482 | 12:37:51 | 0,28             | 0,29             | 0,45             | 2,57                      | 3,04                      | 14,68                     | 1,23   | 0,86   | 3,99   | 0,72             |
| 483 | 12:37:56 | 0,30             | 0,17             | 0,35             | 2,57                      | 3,04                      | 14,68                     | 0,79   | 1,84   | 3,62   | 0,60             |
| 484 | 12:38:01 | 0,12             | 0,14             | 0,40             | 2,57                      | 3,04                      | 14,68                     | 2,11   | 2,35   | 2,77   | 0,48             |
| 485 | 12:38:06 | 0,41             | 0,26             | 0,52             | 2,58                      | 3,04                      | 14,68                     | 2,81   | 0,95   | 1,28   | 0,85             |
| 486 | 12:38:11 | 0,30             | 0,14             | 0,38             | 2,58                      | 3,04                      | 14,68                     | 0,93   | 0,97   | 1,28   | 0,60             |
| 487 | 12:38:16 | 0,07             | 0,15             | 0,34             | 2,58                      | 3,04                      | 14,68                     | 1,93   | 1,62   | 2,73   | 0,41             |
| 488 | 12:38:21 | 0,07             | 0,13             | 0,42             | 2,58                      | 3,04                      | 14,68                     | 4,04   | 1,85   | 3,02   | 0,47             |
| 489 | 12:38:26 | 0,10             | 0,16             | 0,42             | 2,58                      | 3,04                      | 14,68                     | 3,41   | 2,21   | 3,87   | 0,49             |
| 490 | 12:38:31 | 0,18             | 0,14             | 0,39             | 2,58                      | 3,04                      | 14,68                     | 1,19   | 1,97   | 2,31   | 0,51             |
| 491 | 12:38:36 | 0,09             | 0,29             | 0,44             | 2,58                      | 3,05                      | 14,68                     | 2,32   | 1,92   | 3,13   | 0,61             |
| 492 | 12:38:41 | 0,12             | 0,21             | 0,50             | 2,58                      | 3,05                      | 14,68                     | 2,13   | 2,28   | 2,38   | 0,60             |
| 493 | 12:38:46 | 0,10             | 0,15             | 0,43             | 2,58                      | 3,05                      | 14,68                     | 1,96   | 1,76   | 2,02   | 0,50             |
| 494 | 12:38:51 | 0,07             | 0,18             | 0,33             | 2,58                      | 3,05                      | 14,68                     | 2,25   | 1,09   | 2,06   | 0,43             |
| 495 | 12:38:56 | 0,10             | 0,22             | 0,47             | 2,58                      | 3,05                      | 14,68                     | 2,50   | 2,92   | 3,34   | 0,58             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 496 | 12:39:01 | 0,11             | 0,17             | 0,49             | 2,58                      | 3,05                      | 14,68                     | 1,80   | 1,59   | 1,34   | 0,56             |
| 497 | 12:39:06 | 0,09             | 0,12             | 0,50             | 2,58                      | 3,05                      | 14,68                     | 1,68   | 2,20   | 2,09   | 0,54             |
| 498 | 12:39:11 | 0,14             | 0,19             | 0,62             | 2,58                      | 3,05                      | 14,68                     | 0,68   | 1,67   | 1,16   | 0,70             |
| 499 | 12:39:16 | 0,13             | 0,20             | 0,50             | 2,58                      | 3,05                      | 14,68                     | 1,45   | 2,65   | 1,68   | 0,60             |
| 500 | 12:39:21 | 0,11             | 0,15             | 0,62             | 2,58                      | 3,05                      | 14,68                     | 1,84   | 2,12   | 1,99   | 0,67             |
| 501 | 12:39:26 | 0,14             | 0,22             | 0,59             | 2,58                      | 3,05                      | 14,68                     | 1,71   | 2,48   | 2,29   | 0,69             |
| 502 | 12:39:31 | 0,12             | 0,20             | 0,47             | 2,58                      | 3,05                      | 14,68                     | 1,82   | 2,44   | 1,78   | 0,57             |
| 503 | 12:39:36 | 0,11             | 0,23             | 0,49             | 2,58                      | 3,05                      | 14,68                     | 1,88   | 2,32   | 3,25   | 0,61             |
| 504 | 12:39:41 | 0,11             | 0,17             | 0,49             | 2,58                      | 3,05                      | 14,68                     | 2,45   | 1,87   | 2,36   | 0,57             |
| 505 | 12:39:46 | 0,08             | 0,15             | 0,40             | 2,58                      | 3,05                      | 14,68                     | 2,51   | 1,24   | 2,00   | 0,46             |
| 506 | 12:39:51 | 0,09             | 0,17             | 0,33             | 2,58                      | 3,05                      | 14,68                     | 1,43   | 1,42   | 1,81   | 0,42             |
| 507 | 12:39:56 | 0,08             | 0,15             | 0,41             | 2,58                      | 3,05                      | 14,68                     | 2,45   | 1,38   | 2,03   | 0,47             |
| 508 | 12:40:01 | 0,13             | 0,11             | 0,62             | 2,58                      | 3,05                      | 14,68                     | 2,15   | 3,01   | 2,18   | 0,66             |
| 509 | 12:40:06 | 0,11             | 0,16             | 0,52             | 2,58                      | 3,05                      | 14,68                     | 1,62   | 1,96   | 1,33   | 0,59             |
| 510 | 12:40:11 | 0,09             | 0,15             | 0,48             | 2,58                      | 3,05                      | 14,68                     | 2,34   | 2,43   | 2,34   | 0,54             |
| 511 | 12:40:16 | 0,11             | 0,19             | 0,51             | 2,59                      | 3,05                      | 14,68                     | 2,15   | 1,75   | 2,43   | 0,60             |
| 512 | 12:40:21 | 0,19             | 0,19             | 0,70             | 2,59                      | 3,05                      | 14,68                     | 1,92   | 1,69   | 1,32   | 0,79             |
| 513 | 12:40:26 | 0,09             | 0,18             | 0,41             | 2,59                      | 3,05                      | 14,68                     | 2,52   | 2,46   | 2,07   | 0,50             |
| 514 | 12:40:31 | 0,07             | 0,22             | 0,44             | 2,59                      | 3,05                      | 14,68                     | 2,31   | 2,61   | 1,31   | 0,54             |
| 515 | 12:40:36 | 0,10             | 0,13             | 0,52             | 2,59                      | 3,05                      | 14,68                     | 1,99   | 3,57   | 2,89   | 0,57             |
| 516 | 12:40:41 | 0,11             | 0,14             | 0,45             | 2,59                      | 3,05                      | 14,68                     | 3,08   | 3,07   | 1,57   | 0,52             |
| 517 | 12:40:46 | 0,17             | 0,18             | 0,63             | 2,59                      | 3,05                      | 14,68                     | 2,84   | 2,29   | 3,79   | 0,71             |
| 518 | 12:40:51 | 0,11             | 0,15             | 0,45             | 2,59                      | 3,05                      | 14,68                     | 1,92   | 2,35   | 2,05   | 0,52             |
| 519 | 12:40:56 | 0,11             | 0,18             | 0,44             | 2,59                      | 3,05                      | 14,68                     | 1,48   | 1,03   | 1,16   | 0,52             |
| 520 | 12:41:01 | 0,15             | 0,22             | 0,68             | 2,59                      | 3,05                      | 14,68                     | 1,18   | 1,59   | 1,88   | 0,78             |
| 521 | 12:41:06 | 0,11             | 0,29             | 0,52             | 2,59                      | 3,05                      | 14,68                     | 1,81   | 1,20   | 1,95   | 0,67             |
| 522 | 12:41:11 | 0,11             | 0,22             | 0,57             | 2,59                      | 3,05                      | 14,68                     | 2,24   | 2,02   | 3,06   | 0,66             |
| 523 | 12:41:16 | 0,08             | 0,12             | 0,47             | 2,59                      | 3,05                      | 14,68                     | 2,23   | 2,39   | 3,17   | 0,52             |
| 524 | 12:41:21 | 0,07             | 0,10             | 0,37             | 2,59                      | 3,05                      | 14,68                     | 2,43   | 2,15   | 2,85   | 0,41             |
| 525 | 12:41:26 | 0,07             | 0,15             | 0,40             | 2,59                      | 3,05                      | 14,68                     | 1,61   | 1,52   | 2,33   | 0,46             |
| 526 | 12:41:31 | 0,06             | 0,14             | 0,39             | 2,59                      | 3,05                      | 14,68                     | 2,66   | 1,36   | 2,36   | 0,44             |
| 527 | 12:41:36 | 0,11             | 0,11             | 0,51             | 2,59                      | 3,05                      | 14,68                     | 1,76   | 2,86   | 2,73   | 0,56             |
| 528 | 12:41:41 | 0,11             | 0,16             | 0,66             | 2,59                      | 3,05                      | 14,68                     | 1,20   | 1,79   | 0,66   | 0,71             |
| 529 | 12:41:46 | 0,08             | 0,14             | 0,49             | 2,59                      | 3,05                      | 14,68                     | 2,50   | 1,76   | 3,22   | 0,54             |
| 530 | 12:41:51 | 0,12             | 0,22             | 0,65             | 2,59                      | 3,05                      | 14,68                     | 1,30   | 1,87   | 1,60   | 0,74             |
| 531 | 12:41:56 | 0,14             | 0,19             | 0,58             | 2,59                      | 3,05                      | 14,68                     | 1,40   | 2,76   | 2,57   | 0,67             |
| 532 | 12:42:01 | 0,11             | 0,28             | 0,54             | 2,59                      | 3,05                      | 14,68                     | 1,61   | 0,97   | 2,92   | 0,68             |
| 533 | 12:42:06 | 0,15             | 0,18             | 0,74             | 2,59                      | 3,05                      | 14,69                     | 3,29   | 1,40   | 3,88   | 0,81             |
| 534 | 12:42:11 | 0,10             | 0,22             | 0,60             | 2,59                      | 3,05                      | 14,69                     | 3,24   | 3,62   | 4,16   | 0,69             |
| 535 | 12:42:16 | 0,12             | 0,24             | 0,59             | 2,59                      | 3,05                      | 14,69                     | 1,89   | 1,61   | 1,97   | 0,70             |
| 536 | 12:42:21 | 0,19             | 0,23             | 0,86             | 2,59                      | 3,05                      | 14,69                     | 0,81   | 0,96   | 0,90   | 0,95             |
| 537 | 12:42:26 | 0,20             | 0,17             | 0,85             | 2,59                      | 3,05                      | 14,69                     | 2,26   | 2,77   | 1,99   | 0,93             |
| 538 | 12:42:31 | 0,10             | 0,17             | 0,50             | 2,59                      | 3,05                      | 14,69                     | 1,27   | 1,53   | 1,99   | 0,57             |
| 539 | 12:42:36 | 0,12             | 0,15             | 0,64             | 2,59                      | 3,05                      | 14,69                     | 2,06   | 2,94   | 2,14   | 0,69             |
| 540 | 12:42:41 | 0,08             | 0,19             | 0,34             | 2,59                      | 3,05                      | 14,69                     | 2,54   | 2,80   | 3,06   | 0,45             |
| 541 | 12:42:46 | 0,06             | 0,14             | 0,45             | 2,59                      | 3,05                      | 14,69                     | 3,79   | 2,68   | 2,11   | 0,49             |
| 542 | 12:42:51 | 0,10             | 0,16             | 0,46             | 2,59                      | 3,05                      | 14,69                     | 3,32   | 1,21   | 2,33   | 0,52             |
| 543 | 12:42:56 | 0,16             | 0,17             | 0,70             | 2,59                      | 3,05                      | 14,69                     | 2,09   | 1,28   | 1,41   | 0,77             |
| 544 | 12:43:01 | 0,09             | 0,15             | 0,36             | 2,59                      | 3,05                      | 14,69                     | 2,53   | 2,90   | 2,43   | 0,43             |
| 545 | 12:43:06 | 0,13             | 0,28             | 0,63             | 2,59                      | 3,05                      | 14,69                     | 1,19   | 1,06   | 1,79   | 0,77             |
| 546 | 12:43:12 | 0,13             | 0,20             | 0,53             | 2,59                      | 3,05                      | 14,69                     | 1,93   | 1,69   | 2,48   | 0,63             |
| 547 | 12:43:17 | 0,20             | 0,23             | 0,97             | 2,59                      | 3,06                      | 14,69                     | 1,42   | 1,65   | 2,65   | 1,06             |
| 548 | 12:43:22 | 0,14             | 0,22             | 0,60             | 2,59                      | 3,06                      | 14,69                     | 1,22   | 2,38   | 2,12   | 0,70             |
| 549 | 12:43:27 | 0,17             | 0,16             | 0,72             | 2,59                      | 3,06                      | 14,69                     | 1,21   | 2,68   | 1,66   | 0,79             |
| 550 | 12:43:32 | 0,12             | 0,19             | 0,65             | 2,59                      | 3,06                      | 14,69                     | 1,95   | 1,93   | 1,32   | 0,72             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 551 | 12:43:37 | 0,14            | 0,13            | 0,65            | 2,59                     | 3,06                     | 14,69                    | 3,14   | 3,33   | 4,19   | 0,70            |
| 552 | 12:43:42 | 0,12            | 0,21            | 0,53            | 2,59                     | 3,06                     | 14,69                    | 1,72   | 1,55   | 1,97   | 0,63            |
| 553 | 12:43:47 | 0,18            | 0,17            | 0,86            | 2,59                     | 3,06                     | 14,69                    | 1,00   | 1,64   | 0,79   | 0,93            |
| 554 | 12:43:52 | 0,09            | 0,20            | 0,61            | 2,59                     | 3,06                     | 14,69                    | 1,49   | 1,85   | 1,86   | 0,68            |
| 555 | 12:43:57 | 0,08            | 0,20            | 0,42            | 2,59                     | 3,06                     | 14,69                    | 1,84   | 2,11   | 1,96   | 0,51            |
| 556 | 12:44:02 | 0,15            | 0,28            | 0,81            | 2,59                     | 3,06                     | 14,69                    | 1,11   | 1,40   | 1,53   | 0,92            |
| 557 | 12:44:07 | 0,10            | 0,34            | 0,49            | 2,59                     | 3,06                     | 14,69                    | 2,64   | 1,30   | 2,41   | 0,70            |
| 558 | 12:44:12 | 0,10            | 0,22            | 0,61            | 2,59                     | 3,06                     | 14,69                    | 3,23   | 1,92   | 2,21   | 0,70            |
| 559 | 12:44:17 | 0,09            | 0,21            | 0,52            | 2,59                     | 3,06                     | 14,69                    | 2,82   | 1,81   | 2,96   | 0,60            |
| 560 | 12:44:22 | 0,09            | 0,24            | 0,49            | 2,59                     | 3,06                     | 14,69                    | 1,87   | 1,76   | 1,96   | 0,61            |
| 561 | 12:44:27 | 0,09            | 0,21            | 0,57            | 2,59                     | 3,06                     | 14,69                    | 2,60   | 2,43   | 1,48   | 0,66            |
| 562 | 12:44:32 | 0,14            | 0,15            | 0,55            | 2,59                     | 3,06                     | 14,69                    | 1,30   | 1,15   | 0,91   | 0,62            |
| 563 | 12:44:37 | 0,09            | 0,20            | 0,42            | 2,59                     | 3,06                     | 14,69                    | 2,83   | 2,18   | 2,12   | 0,52            |
| 564 | 12:44:42 | 0,11            | 0,19            | 0,52            | 2,59                     | 3,06                     | 14,69                    | 1,28   | 2,46   | 2,37   | 0,60            |
| 565 | 12:44:47 | 0,08            | 0,21            | 0,42            | 2,59                     | 3,06                     | 14,69                    | 2,94   | 2,05   | 2,79   | 0,52            |
| 566 | 12:44:52 | 0,13            | 0,15            | 0,34            | 2,59                     | 3,06                     | 14,69                    | 1,72   | 1,55   | 2,51   | 0,44            |
| 567 | 12:44:57 | 0,24            | 0,13            | 0,37            | 2,59                     | 3,06                     | 14,69                    | 1,10   | 1,95   | 2,27   | 0,53            |
| 568 | 12:45:02 | 0,08            | 0,25            | 0,32            | 2,59                     | 3,06                     | 14,69                    | 2,24   | 1,75   | 2,45   | 0,49            |
| 569 | 12:45:07 | 0,09            | 0,17            | 0,30            | 2,59                     | 3,06                     | 14,69                    | 1,37   | 1,72   | 2,23   | 0,41            |
| 570 | 12:45:12 | 0,07            | 0,12            | 0,38            | 2,59                     | 3,06                     | 14,69                    | 1,14   | 1,72   | 1,33   | 0,43            |
| 571 | 12:45:17 | 0,07            | 0,15            | 0,32            | 2,59                     | 3,06                     | 14,69                    | 2,17   | 1,66   | 2,12   | 0,39            |
| 572 | 12:45:22 | 0,08            | 0,15            | 0,43            | 2,59                     | 3,06                     | 14,69                    | 1,56   | 1,78   | 1,82   | 0,49            |
| 573 | 12:45:27 | 0,14            | 0,22            | 0,41            | 2,59                     | 3,06                     | 14,69                    | 1,46   | 1,85   | 2,11   | 0,55            |
| 574 | 12:45:32 | 0,09            | 0,16            | 0,43            | 2,59                     | 3,06                     | 14,69                    | 1,68   | 1,34   | 2,13   | 0,50            |
| 575 | 12:45:37 | 0,08            | 0,17            | 0,38            | 2,59                     | 3,06                     | 14,69                    | 1,33   | 1,89   | 1,31   | 0,47            |
| 576 | 12:45:42 | 0,14            | 0,19            | 0,67            | 2,59                     | 3,06                     | 14,69                    | 2,37   | 2,40   | 1,98   | 0,74            |
| 577 | 12:45:47 | 0,06            | 0,16            | 0,38            | 2,59                     | 3,06                     | 14,69                    | 2,48   | 2,33   | 1,82   | 0,45            |
| 578 | 12:45:52 | 0,08            | 0,15            | 0,44            | 2,59                     | 3,06                     | 14,69                    | 1,24   | 1,76   | 1,49   | 0,50            |
| 579 | 12:45:57 | 0,09            | 0,20            | 0,41            | 2,59                     | 3,06                     | 14,69                    | 2,08   | 2,33   | 2,77   | 0,52            |
| 580 | 12:46:02 | 0,08            | 0,21            | 0,47            | 2,59                     | 3,06                     | 14,69                    | 2,97   | 2,83   | 2,73   | 0,56            |
| 581 | 12:46:07 | 0,11            | 0,16            | 0,61            | 2,59                     | 3,06                     | 14,69                    | 2,29   | 1,67   | 1,65   | 0,66            |
| 582 | 12:46:12 | 0,08            | 0,17            | 0,50            | 2,59                     | 3,06                     | 14,69                    | 3,08   | 1,80   | 1,70   | 0,56            |
| 583 | 12:46:17 | 0,07            | 0,18            | 0,39            | 2,59                     | 3,06                     | 14,69                    | 1,75   | 2,21   | 3,23   | 0,47            |
| 584 | 12:46:22 | 0,12            | 0,20            | 0,50            | 2,59                     | 3,06                     | 14,69                    | 1,70   | 1,76   | 1,30   | 0,60            |
| 585 | 12:46:27 | 0,14            | 0,16            | 0,52            | 2,59                     | 3,06                     | 14,69                    | 1,21   | 2,54   | 1,40   | 0,59            |
| 586 | 12:46:32 | 0,10            | 0,13            | 0,31            | 2,59                     | 3,06                     | 14,69                    | 2,35   | 0,94   | 2,79   | 0,39            |
| 587 | 12:46:37 | 0,26            | 0,11            | 0,29            | 2,59                     | 3,06                     | 14,69                    | 1,44   | 1,61   | 2,22   | 0,49            |
| 588 | 12:46:42 | 0,06            | 0,07            | 0,29            | 2,59                     | 3,06                     | 14,69                    | 1,87   | 2,95   | 2,51   | 0,32            |
| 589 | 12:46:47 | 0,24            | 0,19            | 0,36            | 2,60                     | 3,06                     | 14,69                    | 2,58   | 2,06   | 1,89   | 0,56            |
| 590 | 12:46:52 | 0,19            | 0,11            | 0,28            | 2,60                     | 3,06                     | 14,69                    | 0,54   | 2,00   | 2,68   | 0,41            |
| 591 | 12:46:57 | 0,10            | 0,09            | 0,27            | 2,60                     | 3,06                     | 14,69                    | 1,59   | 2,08   | 2,26   | 0,33            |
| 592 | 12:47:02 | 0,09            | 0,10            | 0,26            | 2,60                     | 3,06                     | 14,69                    | 6,54   | 2,49   | 3,52   | 0,32            |
| 593 | 12:47:07 | 0,20            | 0,10            | 0,33            | 2,60                     | 3,06                     | 14,69                    | 1,78   | 2,68   | 2,01   | 0,45            |
| 594 | 12:47:12 | 0,08            | 0,13            | 0,30            | 2,60                     | 3,06                     | 14,69                    | 1,61   | 3,10   | 1,58   | 0,36            |
| 595 | 12:47:17 | 0,13            | 0,13            | 0,32            | 2,60                     | 3,06                     | 14,69                    | 1,25   | 2,72   | 2,50   | 0,41            |
| 596 | 12:47:22 | 0,19            | 0,11            | 0,36            | 2,60                     | 3,06                     | 14,69                    | 1,04   | 2,13   | 1,69   | 0,48            |
| 597 | 12:47:27 | 0,09            | 0,11            | 0,40            | 2,60                     | 3,06                     | 14,69                    | 1,53   | 2,45   | 2,40   | 0,44            |
| 598 | 12:47:32 | 0,12            | 0,13            | 0,53            | 2,60                     | 3,06                     | 14,69                    | 3,03   | 1,91   | 2,16   | 0,58            |
| 599 | 12:47:37 | 0,09            | 0,17            | 0,44            | 2,60                     | 3,06                     | 14,69                    | 1,89   | 1,80   | 1,95   | 0,51            |
| 600 | 12:47:42 | 0,08            | 0,16            | 0,44            | 2,60                     | 3,06                     | 14,69                    | 2,14   | 2,40   | 2,07   | 0,50            |
| 601 | 12:47:47 | 0,10            | 0,16            | 0,60            | 2,60                     | 3,06                     | 14,69                    | 1,75   | 1,36   | 1,95   | 0,65            |
| 602 | 12:47:52 | 0,09            | 0,16            | 0,36            | 2,60                     | 3,06                     | 14,69                    | 1,84   | 1,50   | 2,04   | 0,44            |
| 603 | 12:47:57 | 0,19            | 0,20            | 0,83            | 2,60                     | 3,06                     | 14,69                    | 0,96   | 1,53   | 0,99   | 0,92            |
| 604 | 12:48:02 | 0,10            | 0,14            | 0,54            | 2,60                     | 3,06                     | 14,69                    | 2,96   | 2,00   | 3,06   | 0,59            |
| 605 | 12:48:07 | 0,11            | 0,21            | 0,61            | 2,60                     | 3,06                     | 14,70                    | 2,35   | 1,82   | 1,33   | 0,70            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 606 | 12:48:12 | 0,12            | 0,26            | 0,67            | 2,60                     | 3,06                     | 14,70                    | 1,73   | 1,02   | 1,45   | 0,78            |
| 607 | 12:48:17 | 0,09            | 0,19            | 0,48            | 2,60                     | 3,06                     | 14,70                    | 3,35   | 2,63   | 4,77   | 0,56            |
| 608 | 12:48:22 | 0,19            | 0,18            | 0,79            | 2,60                     | 3,06                     | 14,70                    | 1,81   | 2,11   | 2,74   | 0,87            |
| 609 | 12:48:27 | 0,14            | 0,23            | 0,51            | 2,60                     | 3,06                     | 14,70                    | 2,35   | 3,13   | 2,67   | 0,64            |
| 610 | 12:48:32 | 0,19            | 0,25            | 0,64            | 2,60                     | 3,06                     | 14,70                    | 0,88   | 1,59   | 1,95   | 0,78            |
| 611 | 12:48:37 | 0,18            | 0,15            | 0,82            | 2,60                     | 3,07                     | 14,70                    | 1,84   | 4,07   | 0,96   | 0,89            |
| 612 | 12:48:42 | 0,14            | 0,19            | 0,67            | 2,60                     | 3,07                     | 14,70                    | 2,07   | 2,71   | 2,72   | 0,75            |
| 613 | 12:48:47 | 0,16            | 0,20            | 0,68            | 2,60                     | 3,07                     | 14,70                    | 1,91   | 2,40   | 2,80   | 0,77            |
| 614 | 12:48:52 | 0,17            | 0,15            | 0,74            | 2,60                     | 3,07                     | 14,70                    | 4,74   | 1,33   | 2,75   | 0,80            |
| 615 | 12:48:57 | 0,11            | 0,15            | 0,34            | 2,60                     | 3,07                     | 14,70                    | 1,82   | 1,28   | 2,73   | 0,43            |
| 616 | 12:49:02 | 0,09            | 0,16            | 0,48            | 2,60                     | 3,07                     | 14,70                    | 2,30   | 2,51   | 3,52   | 0,55            |
| 617 | 12:49:07 | 0,13            | 0,21            | 0,65            | 2,60                     | 3,07                     | 14,70                    | 2,16   | 1,13   | 4,06   | 0,73            |
| 618 | 12:49:12 | 0,14            | 0,22            | 0,76            | 2,60                     | 3,07                     | 14,70                    | 2,43   | 2,25   | 3,35   | 0,85            |
| 619 | 12:49:17 | 0,13            | 0,17            | 0,73            | 2,60                     | 3,07                     | 14,70                    | 2,59   | 2,91   | 2,08   | 0,79            |
| 620 | 12:49:22 | 0,13            | 0,15            | 0,55            | 2,60                     | 3,07                     | 14,70                    | 1,36   | 1,73   | 1,49   | 0,61            |
| 621 | 12:49:27 | 0,08            | 0,14            | 0,44            | 2,60                     | 3,07                     | 14,70                    | 2,39   | 3,20   | 1,42   | 0,49            |
| 622 | 12:49:32 | 0,24            | 0,14            | 0,37            | 2,60                     | 3,07                     | 14,70                    | 2,11   | 3,25   | 3,73   | 0,53            |
| 623 | 12:49:37 | 0,31            | 0,12            | 0,35            | 2,61                     | 3,07                     | 14,70                    | 2,04   | 1,09   | 1,53   | 0,58            |
| 624 | 12:49:42 | 0,30            | 0,23            | 0,52            | 2,61                     | 3,07                     | 14,70                    | 0,54   | 1,24   | 0,83   | 0,74            |
| 625 | 12:49:47 | 0,31            | 0,10            | 0,26            | 2,61                     | 3,07                     | 14,70                    | 0,31   | 1,32   | 1,82   | 0,53            |
| 626 | 12:49:52 | 0,12            | 0,13            | 0,28            | 2,61                     | 3,07                     | 14,70                    | 0,95   | 2,91   | 2,46   | 0,37            |
| 627 | 12:49:57 | 0,13            | 0,13            | 0,25            | 2,61                     | 3,07                     | 14,70                    | 1,53   | 1,18   | 3,12   | 0,36            |
| 628 | 12:50:02 | 0,44            | 0,18            | 0,48            | 2,63                     | 3,07                     | 14,70                    | 2,84   | 1,78   | 1,61   | 0,82            |
| 629 | 12:50:07 | 0,45            | 0,11            | 0,29            | 2,63                     | 3,07                     | 14,70                    | 2,30   | 2,19   | 1,97   | 0,71            |
| 630 | 12:50:12 | 0,13            | 0,13            | 0,64            | 2,63                     | 3,07                     | 14,70                    | 3,17   | 3,05   | 3,13   | 0,69            |
| 631 | 12:50:17 | 0,21            | 0,20            | 0,75            | 2,63                     | 3,07                     | 14,70                    | 1,40   | 2,22   | 2,10   | 0,85            |
| 632 | 12:50:22 | 0,11            | 0,22            | 0,54            | 2,63                     | 3,07                     | 14,70                    | 1,83   | 2,16   | 3,07   | 0,63            |
| 633 | 12:50:27 | 0,10            | 0,18            | 0,44            | 2,63                     | 3,07                     | 14,70                    | 2,03   | 2,41   | 4,50   | 0,53            |
| 634 | 12:50:32 | 0,12            | 0,19            | 0,62            | 2,63                     | 3,07                     | 14,70                    | 1,66   | 1,87   | 2,93   | 0,70            |
| 635 | 12:50:37 | 0,14            | 0,16            | 0,61            | 2,63                     | 3,07                     | 14,70                    | 1,82   | 2,77   | 1,48   | 0,68            |
| 636 | 12:50:42 | 0,12            | 0,22            | 0,62            | 2,63                     | 3,07                     | 14,70                    | 1,62   | 2,23   | 1,47   | 0,72            |
| 637 | 12:50:47 | 0,10            | 0,17            | 0,51            | 2,63                     | 3,07                     | 14,70                    | 2,00   | 2,28   | 2,48   | 0,58            |
| 638 | 12:50:52 | 0,11            | 0,21            | 0,53            | 2,63                     | 3,07                     | 14,70                    | 2,23   | 2,95   | 1,83   | 0,62            |
| 639 | 12:50:57 | 0,13            | 0,15            | 0,58            | 2,63                     | 3,07                     | 14,70                    | 2,26   | 3,93   | 3,52   | 0,64            |
| 640 | 12:51:02 | 0,13            | 0,17            | 0,60            | 2,64                     | 3,07                     | 14,70                    | 0,94   | 1,11   | 1,56   | 0,67            |
| 641 | 12:51:07 | 0,12            | 0,14            | 0,45            | 2,64                     | 3,07                     | 14,70                    | 3,26   | 1,41   | 2,86   | 0,52            |
| 642 | 12:51:12 | 0,19            | 0,13            | 0,31            | 2,64                     | 3,07                     | 14,70                    | 2,26   | 1,90   | 3,26   | 0,44            |
| 643 | 12:51:17 | 0,09            | 0,11            | 0,34            | 2,64                     | 3,07                     | 14,70                    | 2,90   | 1,30   | 2,85   | 0,39            |
| 644 | 12:51:22 | 0,06            | 0,14            | 0,35            | 2,64                     | 3,07                     | 14,70                    | 2,42   | 2,68   | 2,44   | 0,41            |
| 645 | 12:51:27 | 0,11            | 0,12            | 0,49            | 2,64                     | 3,07                     | 14,70                    | 2,20   | 1,89   | 2,11   | 0,54            |
| 646 | 12:51:32 | 0,15            | 0,13            | 0,55            | 2,64                     | 3,07                     | 14,70                    | 1,64   | 1,99   | 1,66   | 0,62            |
| 647 | 12:51:37 | 0,08            | 0,15            | 0,40            | 2,64                     | 3,07                     | 14,70                    | 2,09   | 1,86   | 1,66   | 0,46            |
| 648 | 12:51:42 | 0,10            | 0,29            | 0,52            | 2,64                     | 3,07                     | 14,70                    | 1,72   | 1,77   | 3,29   | 0,68            |
| 649 | 12:51:47 | 0,14            | 0,23            | 0,58            | 2,64                     | 3,07                     | 14,70                    | 2,25   | 1,41   | 2,04   | 0,69            |
| 650 | 12:51:52 | 0,09            | 0,14            | 0,32            | 2,64                     | 3,07                     | 14,70                    | 1,69   | 2,27   | 1,80   | 0,40            |
| 651 | 12:51:57 | 0,26            | 0,16            | 0,46            | 2,64                     | 3,07                     | 14,70                    | 1,19   | 3,66   | 3,31   | 0,63            |
| 652 | 12:52:02 | 0,17            | 0,19            | 0,33            | 2,64                     | 3,07                     | 14,70                    | 1,57   | 1,12   | 2,65   | 0,49            |
| 653 | 12:52:07 | 0,29            | 0,14            | 0,28            | 2,64                     | 3,07                     | 14,70                    | 2,06   | 1,47   | 2,96   | 0,52            |
| 654 | 12:52:12 | 0,15            | 0,11            | 0,31            | 2,64                     | 3,07                     | 14,70                    | 1,33   | 1,77   | 3,63   | 0,40            |
| 655 | 12:52:17 | 0,11            | 0,19            | 0,22            | 2,64                     | 3,07                     | 14,70                    | 3,05   | 1,59   | 3,55   | 0,37            |
| 656 | 12:52:22 | 0,32            | 0,14            | 0,32            | 2,65                     | 3,07                     | 14,70                    | 0,83   | 1,35   | 2,54   | 0,59            |
| 657 | 12:52:27 | 0,07            | 0,10            | 0,33            | 2,65                     | 3,07                     | 14,70                    | 2,77   | 2,98   | 1,93   | 0,37            |
| 658 | 12:52:32 | 0,13            | 0,13            | 0,38            | 2,65                     | 3,07                     | 14,70                    | 1,46   | 2,23   | 1,58   | 0,46            |
| 659 | 12:52:37 | 0,11            | 0,09            | 0,29            | 2,65                     | 3,07                     | 14,70                    | 1,91   | 2,52   | 2,82   | 0,35            |
| 660 | 12:52:42 | 0,08            | 0,09            | 0,36            | 2,65                     | 3,07                     | 14,70                    | 1,66   | 1,51   | 1,77   | 0,40            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 661 | 12:52:47 | 0,26             | 0,17             | 0,43             | 2,65                      | 3,07                      | 14,70                     | 1,12   | 2,82   | 2,03   | 0,61             |
| 662 | 12:52:52 | 0,08             | 0,24             | 0,40             | 2,65                      | 3,07                      | 14,70                     | 1,78   | 2,90   | 3,26   | 0,54             |
| 663 | 12:52:57 | 0,14             | 0,24             | 0,80             | 2,65                      | 3,07                      | 14,70                     | 1,72   | 1,46   | 2,25   | 0,89             |
| 664 | 12:53:02 | 0,14             | 0,15             | 0,56             | 2,65                      | 3,07                      | 14,70                     | 3,02   | 2,51   | 2,27   | 0,63             |
| 665 | 12:53:07 | 0,08             | 0,16             | 0,49             | 2,65                      | 3,07                      | 14,70                     | 2,45   | 1,82   | 1,70   | 0,55             |
| 666 | 12:53:12 | 0,10             | 0,16             | 0,54             | 2,65                      | 3,07                      | 14,70                     | 2,26   | 1,80   | 1,83   | 0,60             |
| 667 | 12:53:17 | 0,07             | 0,13             | 0,47             | 2,65                      | 3,07                      | 14,70                     | 2,27   | 1,81   | 1,77   | 0,51             |
| 668 | 12:53:22 | 0,08             | 0,16             | 0,53             | 2,65                      | 3,07                      | 14,70                     | 2,43   | 1,29   | 2,21   | 0,58             |
| 669 | 12:53:27 | 0,09             | 0,18             | 0,40             | 2,65                      | 3,07                      | 14,70                     | 1,71   | 1,58   | 3,50   | 0,49             |
| 670 | 12:53:32 | 0,09             | 0,22             | 0,57             | 2,65                      | 3,07                      | 14,70                     | 1,69   | 2,38   | 1,56   | 0,66             |
| 671 | 12:53:37 | 0,11             | 0,26             | 0,50             | 2,66                      | 3,07                      | 14,70                     | 2,10   | 2,42   | 2,75   | 0,64             |
| 672 | 12:53:42 | 0,07             | 0,23             | 0,42             | 2,66                      | 3,07                      | 14,70                     | 2,16   | 1,87   | 2,46   | 0,54             |
| 673 | 12:53:47 | 0,08             | 0,12             | 0,38             | 2,66                      | 3,07                      | 14,70                     | 2,83   | 2,38   | 2,99   | 0,42             |
| 674 | 12:53:52 | 0,11             | 0,22             | 0,52             | 2,66                      | 3,07                      | 14,70                     | 2,27   | 1,43   | 2,32   | 0,63             |
| 675 | 12:53:57 | 0,14             | 0,19             | 0,57             | 2,66                      | 3,07                      | 14,70                     | 1,30   | 2,54   | 2,62   | 0,66             |
| 676 | 12:54:02 | 0,10             | 0,18             | 0,47             | 2,66                      | 3,07                      | 14,70                     | 1,81   | 1,95   | 1,43   | 0,56             |
| 677 | 12:54:07 | 0,11             | 0,16             | 0,48             | 2,66                      | 3,07                      | 14,70                     | 1,95   | 2,90   | 1,49   | 0,55             |
| 678 | 12:54:12 | 0,07             | 0,20             | 0,34             | 2,66                      | 3,07                      | 14,70                     | 2,46   | 1,97   | 2,96   | 0,45             |
| 679 | 12:54:17 | 0,08             | 0,19             | 0,32             | 2,66                      | 3,07                      | 14,70                     | 2,35   | 3,20   | 2,22   | 0,44             |
| 680 | 12:54:22 | 0,06             | 0,17             | 0,32             | 2,66                      | 3,07                      | 14,70                     | 1,60   | 1,18   | 1,98   | 0,40             |
| 681 | 12:54:27 | 0,09             | 0,10             | 0,34             | 2,66                      | 3,07                      | 14,70                     | 2,71   | 2,86   | 2,57   | 0,39             |
| 682 | 12:54:32 | 0,07             | 0,12             | 0,27             | 2,66                      | 3,07                      | 14,70                     | 1,46   | 1,54   | 2,07   | 0,34             |
| 683 | 12:54:37 | 0,11             | 0,12             | 0,39             | 2,66                      | 3,07                      | 14,70                     | 3,35   | 2,95   | 5,89   | 0,45             |
| 684 | 12:54:42 | 0,09             | 0,19             | 0,43             | 2,66                      | 3,07                      | 14,70                     | 2,44   | 2,56   | 1,61   | 0,51             |
| 685 | 12:54:47 | 0,12             | 0,16             | 0,50             | 2,66                      | 3,07                      | 14,70                     | 1,83   | 2,07   | 1,89   | 0,57             |
| 686 | 12:54:53 | 0,12             | 0,20             | 0,50             | 2,66                      | 3,07                      | 14,70                     | 3,31   | 2,37   | 3,30   | 0,60             |
| 687 | 12:54:58 | 0,16             | 0,25             | 0,72             | 2,66                      | 3,07                      | 14,70                     | 0,99   | 1,76   | 1,59   | 0,84             |
| 688 | 12:55:03 | 0,09             | 0,11             | 0,46             | 2,66                      | 3,07                      | 14,70                     | 1,64   | 1,34   | 2,03   | 0,50             |
| 689 | 12:55:08 | 0,11             | 0,12             | 0,65             | 2,66                      | 3,07                      | 14,71                     | 5,35   | 2,21   | 1,58   | 0,69             |
| 690 | 12:55:13 | 0,28             | 0,20             | 0,68             | 2,66                      | 3,08                      | 14,71                     | 0,68   | 2,12   | 0,94   | 0,83             |
| 691 | 12:55:18 | 0,19             | 0,30             | 0,87             | 2,66                      | 3,08                      | 14,71                     | 2,12   | 2,56   | 2,23   | 1,01             |
| 692 | 12:55:23 | 0,17             | 0,12             | 0,74             | 2,66                      | 3,08                      | 14,71                     | 2,23   | 1,17   | 2,24   | 0,79             |
| 693 | 12:55:28 | 0,17             | 0,20             | 0,77             | 2,66                      | 3,08                      | 14,71                     | 2,75   | 2,58   | 2,66   | 0,85             |
| 694 | 12:55:33 | 0,19             | 0,22             | 0,61             | 2,66                      | 3,08                      | 14,71                     | 1,81   | 1,22   | 3,34   | 0,73             |
| 695 | 12:55:38 | 0,12             | 0,15             | 0,54             | 2,66                      | 3,08                      | 14,71                     | 2,41   | 3,35   | 3,29   | 0,60             |
| 696 | 12:55:43 | 0,18             | 0,15             | 0,46             | 2,66                      | 3,08                      | 14,71                     | 1,45   | 1,46   | 1,73   | 0,56             |
| 697 | 12:55:48 | 0,34             | 0,20             | 0,45             | 2,66                      | 3,08                      | 14,71                     | 0,32   | 1,04   | 1,34   | 0,71             |
| 698 | 12:55:53 | 0,24             | 0,19             | 0,32             | 2,66                      | 3,08                      | 14,71                     | 0,45   | 2,19   | 2,74   | 0,53             |
| 699 | 12:55:58 | 0,09             | 0,16             | 0,36             | 2,66                      | 3,08                      | 14,71                     | 2,91   | 4,29   | 4,55   | 0,44             |
| 700 | 12:56:03 | 0,07             | 0,12             | 0,34             | 2,66                      | 3,08                      | 14,71                     | 2,33   | 2,09   | 2,49   | 0,40             |
| 701 | 12:56:08 | 0,13             | 0,12             | 0,32             | 2,66                      | 3,08                      | 14,71                     | 1,88   | 1,30   | 2,37   | 0,41             |
| 702 | 12:56:13 | 0,15             | 0,13             | 0,36             | 2,66                      | 3,08                      | 14,71                     | 4,22   | 1,34   | 2,74   | 0,45             |
| 703 | 12:56:18 | 0,12             | 0,24             | 0,30             | 2,66                      | 3,08                      | 14,71                     | 1,23   | 1,98   | 2,42   | 0,48             |
| 704 | 12:56:23 | 0,17             | 0,22             | 0,56             | 2,66                      | 3,08                      | 14,71                     | 1,38   | 1,60   | 2,06   | 0,68             |
| 705 | 12:56:28 | 0,10             | 0,18             | 0,31             | 2,67                      | 3,08                      | 14,71                     | 1,86   | 1,84   | 2,14   | 0,43             |
| 706 | 12:56:33 | 0,08             | 0,28             | 0,34             | 2,67                      | 3,08                      | 14,71                     | 2,25   | 0,68   | 1,56   | 0,53             |
| 707 | 12:56:38 | 0,07             | 0,16             | 0,33             | 2,67                      | 3,08                      | 14,71                     | 1,79   | 2,17   | 1,52   | 0,41             |
| 708 | 12:56:44 | 0,15             | 0,09             | 0,28             | 2,67                      | 3,08                      | 14,71                     | 3,61   | 1,43   | 1,91   | 0,37             |
| 709 | 12:56:49 | 0,10             | 0,20             | 0,33             | 2,67                      | 3,08                      | 14,71                     | 1,55   | 2,09   | 2,54   | 0,45             |
| 710 | 12:56:54 | 0,09             | 0,21             | 0,46             | 2,67                      | 3,08                      | 14,71                     | 2,31   | 0,99   | 2,42   | 0,56             |
| 711 | 12:56:59 | 0,09             | 0,22             | 0,35             | 2,67                      | 3,08                      | 14,71                     | 3,16   | 1,93   | 3,31   | 0,48             |
| 712 | 12:57:04 | 0,10             | 0,12             | 0,37             | 2,67                      | 3,08                      | 14,71                     | 3,22   | 1,68   | 2,67   | 0,42             |
| 713 | 12:57:09 | 0,11             | 0,23             | 0,23             | 2,67                      | 3,08                      | 14,71                     | 2,47   | 0,52   | 2,98   | 0,43             |
| 714 | 12:57:14 | 0,16             | 0,13             | 0,33             | 2,67                      | 3,08                      | 14,71                     | 2,65   | 1,62   | 2,01   | 0,44             |
| 715 | 12:57:19 | 0,37             | 0,16             | 0,38             | 2,67                      | 3,08                      | 14,71                     | 2,11   | 2,34   | 1,72   | 0,69             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 716 | 12:57:24 | 0,14             | 0,14             | 0,41             | 2,67                      | 3,08                      | 14,71                     | 1,48   | 3,14   | 2,77   | 0,50             |
| 717 | 12:57:29 | 0,33             | 0,33             | 0,93             | 2,68                      | 3,08                      | 14,71                     | 2,40   | 1,65   | 2,13   | 1,13             |
| 718 | 12:57:34 | 0,29             | 0,23             | 0,60             | 2,68                      | 3,08                      | 14,71                     | 1,24   | 1,14   | 1,23   | 0,79             |
| 719 | 12:57:39 | 0,24             | 0,09             | 0,27             | 2,68                      | 3,08                      | 14,71                     | 1,26   | 1,82   | 2,31   | 0,45             |
| 720 | 12:57:44 | 0,27             | 0,24             | 0,83             | 2,68                      | 3,08                      | 14,71                     | 0,45   | 0,99   | 0,51   | 0,97             |
| 721 | 12:57:49 | 0,14             | 0,14             | 0,52             | 2,68                      | 3,08                      | 14,71                     | 6,30   | 2,56   | 2,11   | 0,59             |
| 722 | 12:57:54 | 0,20             | 0,20             | 0,55             | 2,68                      | 3,08                      | 14,71                     | 0,68   | 1,31   | 1,76   | 0,68             |
| 723 | 12:57:59 | 0,09             | 0,19             | 0,52             | 2,68                      | 3,08                      | 14,71                     | 1,38   | 1,53   | 1,44   | 0,60             |
| 724 | 12:58:04 | 0,17             | 0,19             | 0,61             | 2,68                      | 3,08                      | 14,71                     | 2,15   | 2,12   | 1,40   | 0,71             |
| 725 | 12:58:09 | 0,46             | 0,18             | 0,76             | 2,70                      | 3,08                      | 14,71                     | 2,83   | 2,84   | 2,40   | 1,03             |
| 726 | 12:58:14 | 0,17             | 0,15             | 0,48             | 2,70                      | 3,08                      | 14,71                     | 2,37   | 2,39   | 2,55   | 0,58             |
| 727 | 12:58:19 | 0,44             | 0,18             | 0,72             | 2,71                      | 3,08                      | 14,71                     | 0,76   | 1,42   | 0,86   | 0,99             |
| 728 | 12:58:24 | 0,12             | 0,18             | 0,56             | 2,71                      | 3,08                      | 14,71                     | 1,25   | 1,52   | 1,80   | 0,63             |
| 729 | 12:58:29 | 0,20             | 0,18             | 0,59             | 2,71                      | 3,08                      | 14,71                     | 1,11   | 2,82   | 1,92   | 0,70             |
| 730 | 12:58:34 | 0,11             | 0,15             | 0,55             | 2,71                      | 3,08                      | 14,71                     | 2,37   | 1,52   | 3,09   | 0,61             |
| 731 | 12:58:39 | 0,12             | 0,15             | 0,58             | 2,71                      | 3,08                      | 14,71                     | 2,71   | 2,47   | 2,19   | 0,64             |
| 732 | 12:58:44 | 0,19             | 0,19             | 0,67             | 2,71                      | 3,08                      | 14,71                     | 2,61   | 1,43   | 2,38   | 0,77             |
| 733 | 12:58:49 | 0,29             | 0,21             | 0,85             | 2,72                      | 3,08                      | 14,71                     | 1,79   | 2,00   | 2,40   | 0,99             |
| 734 | 12:58:54 | 0,30             | 0,21             | 0,44             | 2,72                      | 3,08                      | 14,71                     | 1,27   | 1,65   | 2,08   | 0,67             |
| 735 | 12:58:59 | 0,39             | 0,23             | 1,07             | 2,73                      | 3,09                      | 14,71                     | 1,38   | 1,54   | 0,51   | 1,25             |
| 736 | 12:59:04 | 0,48             | 0,22             | 0,39             | 2,74                      | 3,09                      | 14,71                     | 0,40   | 1,46   | 2,15   | 0,84             |
| 737 | 12:59:09 | 0,18             | 0,20             | 0,48             | 2,74                      | 3,09                      | 14,71                     | 1,39   | 2,47   | 1,89   | 0,61             |
| 738 | 12:59:14 | 0,46             | 0,16             | 0,77             | 2,74                      | 3,09                      | 14,71                     | 1,80   | 2,05   | 3,46   | 1,03             |
| 739 | 12:59:19 | 0,52             | 0,20             | 0,55             | 2,75                      | 3,09                      | 14,71                     | 3,00   | 2,30   | 1,99   | 0,96             |
| 740 | 12:59:24 | 0,17             | 0,17             | 0,55             | 2,75                      | 3,09                      | 14,71                     | 0,97   | 2,38   | 2,14   | 0,64             |
| 741 | 12:59:29 | 0,18             | 0,16             | 0,43             | 2,76                      | 3,09                      | 14,72                     | 4,72   | 1,22   | 3,57   | 0,55             |
| 742 | 12:59:34 | 0,18             | 0,16             | 0,42             | 2,76                      | 3,09                      | 14,72                     | 1,75   | 1,15   | 2,96   | 0,53             |
| 743 | 12:59:39 | 0,14             | 0,12             | 0,59             | 2,76                      | 3,09                      | 14,72                     | 2,30   | 2,51   | 1,95   | 0,64             |
| 744 | 12:59:44 | 0,49             | 0,21             | 0,97             | 2,78                      | 3,09                      | 14,72                     | 1,93   | 1,10   | 0,85   | 1,22             |
| 745 | 12:59:49 | 0,34             | 0,11             | 0,25             | 2,78                      | 3,09                      | 14,72                     | 0,26   | 1,55   | 1,61   | 0,56             |
| 746 | 12:59:54 | 0,15             | 0,12             | 0,34             | 2,78                      | 3,09                      | 14,72                     | 2,12   | 2,62   | 3,05   | 0,43             |
| 747 | 12:59:59 | 0,12             | 0,15             | 0,46             | 2,78                      | 3,09                      | 14,72                     | 1,11   | 1,47   | 2,36   | 0,54             |
| 748 | 13:00:04 | 0,13             | 0,12             | 0,30             | 2,78                      | 3,09                      | 14,72                     | 2,90   | 2,79   | 3,52   | 0,39             |
| 749 | 13:00:09 | 0,42             | 0,18             | 1,15             | 2,79                      | 3,09                      | 14,72                     | 1,61   | 1,20   | 1,77   | 1,32             |
| 750 | 13:00:14 | 0,42             | 0,15             | 0,52             | 2,80                      | 3,09                      | 14,72                     | 0,67   | 1,64   | 2,04   | 0,81             |
| 751 | 13:00:19 | 0,08             | 0,14             | 0,44             | 2,80                      | 3,09                      | 14,72                     | 1,57   | 1,53   | 2,02   | 0,50             |
| 752 | 13:00:24 | 0,12             | 0,20             | 0,61             | 2,80                      | 3,09                      | 14,72                     | 2,01   | 2,47   | 1,91   | 0,69             |
| 753 | 13:00:29 | 0,10             | 0,20             | 0,49             | 2,80                      | 3,09                      | 14,72                     | 2,66   | 2,41   | 1,64   | 0,58             |
| 754 | 13:00:34 | 0,15             | 0,17             | 0,32             | 2,80                      | 3,09                      | 14,72                     | 4,91   | 3,06   | 3,24   | 0,45             |
| 755 | 13:00:39 | 0,23             | 0,15             | 0,30             | 2,80                      | 3,09                      | 14,72                     | 0,38   | 0,68   | 2,08   | 0,48             |
| 756 | 13:00:44 | 0,13             | 0,06             | 0,31             | 2,80                      | 3,09                      | 14,72                     | 1,55   | 2,10   | 1,31   | 0,37             |
| 757 | 13:00:49 | 0,58             | 0,11             | 0,25             | 2,81                      | 3,09                      | 14,72                     | 2,53   | 3,25   | 3,23   | 0,86             |
| 758 | 13:00:54 | 0,31             | 0,25             | 0,38             | 2,81                      | 3,09                      | 14,72                     | 1,30   | 0,72   | 1,19   | 0,67             |
| 759 | 13:00:59 | 0,33             | 0,23             | 0,43             | 2,81                      | 3,09                      | 14,72                     | 0,93   | 1,88   | 2,39   | 0,71             |
| 760 | 13:01:04 | 0,13             | 0,20             | 0,33             | 2,81                      | 3,09                      | 14,72                     | 2,95   | 1,11   | 1,92   | 0,47             |
| 761 | 13:01:09 | 0,13             | 0,14             | 0,30             | 2,81                      | 3,09                      | 14,72                     | 1,58   | 3,29   | 1,76   | 0,41             |
| 762 | 13:01:14 | 0,29             | 0,15             | 0,25             | 2,81                      | 3,09                      | 14,72                     | 0,52   | 3,30   | 2,55   | 0,52             |
| 763 | 13:01:19 | 0,32             | 0,22             | 0,27             | 2,82                      | 3,09                      | 14,72                     | 1,00   | 1,89   | 2,10   | 0,60             |
| 764 | 13:01:24 | 0,10             | 0,14             | 0,45             | 2,82                      | 3,09                      | 14,72                     | 2,99   | 2,77   | 1,76   | 0,51             |
| 765 | 13:01:29 | 0,12             | 0,15             | 0,75             | 2,82                      | 3,09                      | 14,72                     | 2,77   | 2,41   | 2,20   | 0,80             |
| 766 | 13:01:34 | 0,09             | 0,14             | 0,42             | 2,82                      | 3,09                      | 14,72                     | 1,21   | 1,74   | 2,82   | 0,48             |
| 767 | 13:01:39 | 0,09             | 0,13             | 0,44             | 2,82                      | 3,09                      | 14,72                     | 1,77   | 2,82   | 2,40   | 0,49             |
| 768 | 13:01:44 | 0,07             | 0,12             | 0,41             | 2,82                      | 3,09                      | 14,72                     | 2,50   | 2,51   | 5,81   | 0,45             |
| 769 | 13:01:49 | 0,10             | 0,15             | 0,39             | 2,82                      | 3,09                      | 14,72                     | 1,29   | 1,64   | 2,15   | 0,47             |
| 770 | 13:01:54 | 0,16             | 0,13             | 0,40             | 2,82                      | 3,09                      | 14,72                     | 1,63   | 2,13   | 1,89   | 0,50             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 771 | 13:01:59 | 0,41             | 0,15             | 0,49             | 2,84                      | 3,09                      | 14,72                     | 0,44   | 1,99   | 1,83   | 0,79             |
| 772 | 13:02:04 | 0,24             | 0,15             | 0,35             | 2,84                      | 3,09                      | 14,72                     | 0,72   | 1,35   | 1,82   | 0,53             |
| 773 | 13:02:09 | 0,20             | 0,21             | 0,41             | 2,84                      | 3,09                      | 14,72                     | 2,32   | 2,67   | 2,97   | 0,57             |
| 774 | 13:02:14 | 0,08             | 0,34             | 0,28             | 2,84                      | 3,09                      | 14,72                     | 2,14   | 0,81   | 3,16   | 0,56             |
| 775 | 13:02:19 | 0,08             | 0,13             | 0,30             | 2,84                      | 3,09                      | 14,72                     | 1,58   | 1,42   | 1,81   | 0,37             |
| 776 | 13:02:24 | 0,10             | 0,12             | 0,50             | 2,84                      | 3,09                      | 14,72                     | 1,36   | 1,49   | 2,25   | 0,55             |
| 777 | 13:02:29 | 0,12             | 0,18             | 0,47             | 2,84                      | 3,09                      | 14,72                     | 0,77   | 1,17   | 2,69   | 0,56             |
| 778 | 13:02:34 | 0,13             | 0,13             | 0,33             | 2,84                      | 3,09                      | 14,72                     | 1,35   | 1,14   | 1,44   | 0,42             |
| 779 | 13:02:40 | 0,27             | 0,27             | 0,30             | 2,84                      | 3,09                      | 14,72                     | 0,69   | 1,54   | 2,33   | 0,61             |
| 780 | 13:02:45 | 0,22             | 0,30             | 0,32             | 2,84                      | 3,09                      | 14,72                     | 0,66   | 0,78   | 2,80   | 0,62             |
| 781 | 13:02:50 | 0,14             | 0,17             | 0,35             | 2,84                      | 3,09                      | 14,72                     | 3,28   | 2,38   | 2,37   | 0,47             |
| 782 | 13:02:55 | 0,09             | 0,17             | 0,33             | 2,84                      | 3,09                      | 14,72                     | 3,02   | 2,68   | 4,30   | 0,42             |
| 783 | 13:03:00 | 0,11             | 0,27             | 0,47             | 2,84                      | 3,09                      | 14,72                     | 1,80   | 1,47   | 2,00   | 0,62             |
| 784 | 13:03:05 | 0,14             | 0,24             | 0,48             | 2,84                      | 3,09                      | 14,72                     | 1,87   | 1,71   | 1,71   | 0,62             |
| 785 | 13:03:10 | 0,33             | 0,45             | 0,74             | 2,85                      | 3,10                      | 14,72                     | 0,72   | 0,98   | 1,08   | 1,08             |
| 786 | 13:03:15 | 0,11             | 0,15             | 0,34             | 2,85                      | 3,10                      | 14,72                     | 1,84   | 2,33   | 2,29   | 0,43             |
| 787 | 13:03:20 | 0,10             | 0,11             | 0,30             | 2,85                      | 3,10                      | 14,72                     | 1,04   | 2,01   | 3,45   | 0,37             |
| 788 | 13:03:25 | 0,11             | 0,21             | 0,37             | 2,85                      | 3,10                      | 14,72                     | 1,29   | 1,17   | 1,17   | 0,50             |
| 789 | 13:03:30 | 0,10             | 0,20             | 0,28             | 2,85                      | 3,10                      | 14,72                     | 4,82   | 1,66   | 2,33   | 0,42             |
| 790 | 13:03:35 | 0,37             | 0,21             | 0,33             | 2,85                      | 3,10                      | 14,72                     | 0,46   | 1,41   | 1,73   | 0,68             |
| 791 | 13:03:40 | 0,40             | 0,27             | 1,15             | 2,87                      | 3,10                      | 14,72                     | 1,57   | 2,52   | 4,27   | 1,33             |
| 792 | 13:03:45 | 0,20             | 0,10             | 3,26             | 2,87                      | 3,10                      | 14,80                     | 1,84   | 1,84   | 1,68   | 3,27             |
| 793 | 13:03:50 | 0,18             | 0,11             | 3,00             | 2,87                      | 3,10                      | 14,84                     | 1,62   | 1,63   | 1,54   | 3,01             |
| 794 | 13:03:55 | 0,18             | 0,10             | 2,89             | 2,87                      | 3,10                      | 14,88                     | 1,52   | 1,97   | 1,56   | 2,90             |
| 795 | 13:04:00 | 0,18             | 0,06             | 2,81             | 2,87                      | 3,10                      | 14,92                     | 1,14   | 2,00   | 1,18   | 2,82             |
| 796 | 13:04:05 | 0,14             | 0,04             | 2,48             | 2,87                      | 3,10                      | 14,94                     | 1,87   | 2,39   | 1,58   | 2,49             |
| 797 | 13:04:10 | 0,14             | 0,04             | 2,53             | 2,87                      | 3,10                      | 14,96                     | 1,67   | 1,55   | 1,59   | 2,54             |
| 798 | 13:04:15 | 0,14             | 0,04             | 2,57             | 2,87                      | 3,10                      | 14,98                     | 1,63   | 2,78   | 1,59   | 2,57             |
| 799 | 13:04:20 | 0,14             | 0,04             | 2,56             | 2,87                      | 3,10                      | 15,01                     | 1,68   | 2,21   | 1,63   | 2,57             |
| 800 | 13:04:25 | 0,15             | 0,04             | 2,54             | 2,87                      | 3,10                      | 15,03                     | 1,77   | 3,07   | 1,59   | 2,55             |
| 801 | 13:04:30 | 0,15             | 0,05             | 2,57             | 2,87                      | 3,10                      | 15,05                     | 1,59   | 2,37   | 1,55   | 2,58             |
| 802 | 13:04:35 | 0,16             | 0,06             | 2,56             | 2,87                      | 3,10                      | 15,07                     | 1,73   | 2,22   | 1,59   | 2,57             |
| 803 | 13:04:40 | 0,18             | 0,05             | 2,68             | 2,87                      | 3,10                      | 15,09                     | 1,37   | 2,47   | 1,33   | 2,69             |
| 804 | 13:04:45 | 0,13             | 0,04             | 2,36             | 2,87                      | 3,10                      | 15,11                     | 1,79   | 2,27   | 1,64   | 2,37             |
| 805 | 13:04:50 | 0,15             | 0,04             | 2,89             | 2,87                      | 3,10                      | 15,15                     | 2,16   | 2,77   | 1,61   | 2,90             |
| 806 | 13:04:55 | 0,16             | 0,05             | 2,69             | 2,87                      | 3,10                      | 15,17                     | 1,86   | 2,72   | 1,60   | 2,70             |
| 807 | 13:05:00 | 0,16             | 0,05             | 2,66             | 2,87                      | 3,10                      | 15,20                     | 2,06   | 3,48   | 1,64   | 2,67             |
| 808 | 13:05:05 | 0,16             | 0,06             | 2,76             | 2,87                      | 3,10                      | 15,23                     | 1,73   | 2,35   | 1,57   | 2,77             |
| 809 | 13:05:10 | 0,16             | 0,05             | 2,75             | 2,87                      | 3,10                      | 15,26                     | 1,78   | 2,14   | 1,55   | 2,76             |
| 810 | 13:05:15 | 0,17             | 0,05             | 2,78             | 2,87                      | 3,10                      | 15,29                     | 1,68   | 1,90   | 1,82   | 2,79             |
| 811 | 13:05:20 | 0,16             | 0,05             | 2,68             | 2,87                      | 3,10                      | 15,31                     | 1,64   | 2,60   | 1,53   | 2,69             |
| 812 | 13:05:25 | 0,15             | 0,06             | 2,65             | 2,87                      | 3,10                      | 15,33                     | 1,68   | 2,05   | 1,56   | 2,66             |
| 813 | 13:05:30 | 0,16             | 0,05             | 2,70             | 2,87                      | 3,10                      | 15,36                     | 1,89   | 2,14   | 1,60   | 2,71             |
| 814 | 13:05:35 | 0,15             | 0,06             | 2,71             | 2,87                      | 3,10                      | 15,38                     | 1,67   | 2,18   | 1,56   | 2,72             |
| 815 | 13:05:40 | 0,15             | 0,07             | 2,69             | 2,87                      | 3,10                      | 15,41                     | 1,83   | 1,95   | 1,56   | 2,70             |
| 816 | 13:05:45 | 0,15             | 0,05             | 2,68             | 2,87                      | 3,10                      | 15,43                     | 1,77   | 2,40   | 1,58   | 2,69             |
| 817 | 13:05:50 | 0,15             | 0,05             | 2,68             | 2,87                      | 3,10                      | 15,46                     | 1,73   | 2,42   | 1,62   | 2,69             |
| 818 | 13:05:55 | 0,15             | 0,05             | 2,67             | 2,87                      | 3,10                      | 15,48                     | 1,73   | 2,32   | 1,61   | 2,68             |
| 819 | 13:06:00 | 0,15             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,51                     | 1,75   | 2,15   | 1,59   | 2,65             |
| 820 | 13:06:05 | 0,15             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,53                     | 1,68   | 2,21   | 1,58   | 2,65             |
| 821 | 13:06:10 | 0,15             | 0,05             | 2,69             | 2,87                      | 3,10                      | 15,55                     | 1,67   | 2,08   | 1,53   | 2,70             |
| 822 | 13:06:15 | 0,15             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,57                     | 1,73   | 2,27   | 1,58   | 2,66             |
| 823 | 13:06:20 | 0,16             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,60                     | 1,72   | 2,10   | 1,61   | 2,66             |
| 824 | 13:06:25 | 0,16             | 0,05             | 2,67             | 2,87                      | 3,10                      | 15,62                     | 1,72   | 2,16   | 1,63   | 2,68             |
| 825 | 13:06:30 | 0,16             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,64                     | 1,76   | 2,16   | 1,61   | 2,66             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 826 | 13:06:35 | 0,16             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,67                     | 1,73   | 2,07   | 1,60   | 2,65             |
| 827 | 13:06:40 | 0,16             | 0,05             | 2,66             | 2,87                      | 3,10                      | 15,69                     | 1,67   | 2,72   | 1,64   | 2,67             |
| 828 | 13:06:45 | 0,16             | 0,06             | 2,65             | 2,87                      | 3,10                      | 15,71                     | 2,01   | 2,31   | 1,56   | 2,66             |
| 829 | 13:06:50 | 0,17             | 0,09             | 2,68             | 2,87                      | 3,10                      | 15,73                     | 1,96   | 2,43   | 1,58   | 2,69             |
| 830 | 13:06:55 | 0,15             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,75                     | 1,68   | 2,10   | 1,62   | 2,65             |
| 831 | 13:07:00 | 0,15             | 0,05             | 2,66             | 2,87                      | 3,10                      | 15,77                     | 1,78   | 2,05   | 1,60   | 2,67             |
| 832 | 13:07:05 | 0,15             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,80                     | 1,69   | 2,13   | 1,59   | 2,65             |
| 833 | 13:07:10 | 0,16             | 0,05             | 2,63             | 2,87                      | 3,10                      | 15,82                     | 1,74   | 2,21   | 1,55   | 2,64             |
| 834 | 13:07:15 | 0,16             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,84                     | 1,69   | 2,02   | 1,58   | 2,65             |
| 835 | 13:07:20 | 0,16             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,86                     | 1,73   | 2,20   | 1,59   | 2,65             |
| 836 | 13:07:25 | 0,16             | 0,05             | 2,62             | 2,87                      | 3,10                      | 15,88                     | 1,68   | 2,03   | 1,55   | 2,63             |
| 837 | 13:07:30 | 0,16             | 0,05             | 2,62             | 2,87                      | 3,10                      | 15,90                     | 1,73   | 2,07   | 1,58   | 2,63             |
| 838 | 13:07:35 | 0,16             | 0,05             | 2,64             | 2,87                      | 3,10                      | 15,92                     | 1,72   | 2,09   | 1,54   | 2,65             |
| 839 | 13:07:40 | 0,16             | 0,05             | 2,62             | 2,87                      | 3,10                      | 15,94                     | 1,75   | 2,11   | 1,63   | 2,63             |
| 840 | 13:07:45 | 0,16             | 0,05             | 2,62             | 2,87                      | 3,10                      | 15,96                     | 1,71   | 2,16   | 1,59   | 2,63             |
| 841 | 13:07:50 | 0,16             | 0,05             | 2,65             | 2,87                      | 3,10                      | 15,99                     | 1,72   | 2,19   | 1,56   | 2,66             |
| 842 | 13:07:55 | 0,16             | 0,05             | 2,62             | 2,87                      | 3,10                      | 16,01                     | 1,73   | 2,11   | 1,65   | 2,63             |
| 843 | 13:08:00 | 0,17             | 0,09             | 2,61             | 2,87                      | 3,10                      | 16,03                     | 2,36   | 3,03   | 1,62   | 2,62             |
| 844 | 13:08:05 | 0,16             | 0,07             | 2,64             | 2,87                      | 3,10                      | 16,05                     | 1,71   | 1,82   | 1,56   | 2,65             |
| 845 | 13:08:10 | 0,16             | 0,06             | 2,63             | 2,87                      | 3,10                      | 16,07                     | 2,00   | 2,41   | 1,60   | 2,64             |
| 846 | 13:08:15 | 0,16             | 0,06             | 2,63             | 2,87                      | 3,10                      | 16,09                     | 1,71   | 2,00   | 1,60   | 2,64             |
| 847 | 13:08:20 | 0,17             | 0,06             | 2,64             | 2,87                      | 3,10                      | 16,11                     | 1,90   | 2,75   | 1,60   | 2,65             |
| 848 | 13:08:25 | 0,15             | 0,07             | 2,61             | 2,87                      | 3,10                      | 16,13                     | 2,35   | 2,70   | 1,72   | 2,62             |
| 849 | 13:08:30 | 0,16             | 0,06             | 2,60             | 2,87                      | 3,10                      | 16,15                     | 1,63   | 2,08   | 1,59   | 2,61             |
| 850 | 13:08:35 | 0,15             | 0,05             | 2,62             | 2,87                      | 3,10                      | 16,17                     | 1,78   | 2,21   | 1,61   | 2,63             |
| 851 | 13:08:40 | 0,15             | 0,05             | 2,60             | 2,87                      | 3,10                      | 16,19                     | 1,77   | 2,11   | 1,58   | 2,61             |
| 852 | 13:08:45 | 0,37             | 0,35             | 2,10             | 2,88                      | 3,10                      | 16,22                     | 3,64   | 1,71   | 1,68   | 2,22             |
| 853 | 13:08:50 | 0,31             | 0,31             | 1,69             | 2,89                      | 3,11                      | 16,35                     | 0,32   | 0,56   | 0,32   | 1,80             |
| 854 | 13:08:55 | 0,05             | 0,04             | 0,23             | 2,89                      | 3,11                      | 16,35                     | 1,28   | 1,47   | 1,86   | 0,25             |
| 855 | 13:09:01 | 0,05             | 0,12             | 0,23             | 2,89                      | 3,11                      | 16,35                     | 3,24   | 2,27   | 1,55   | 0,29             |
| 856 | 13:09:07 | 0,32             | 0,21             | 0,83             | 2,90                      | 3,11                      | 16,35                     | 0,29   | 0,46   | 0,52   | 0,99             |
| 857 | 13:09:12 | 0,04             | 0,05             | 0,28             | 2,90                      | 3,11                      | 16,35                     | 1,79   | 1,39   | 1,82   | 0,29             |
| 858 | 13:09:17 | 0,04             | 0,04             | 0,29             | 2,90                      | 3,11                      | 16,35                     | 3,36   | 2,88   | 1,84   | 0,30             |
| 859 | 13:09:22 | 0,06             | 0,16             | 0,23             | 2,90                      | 3,11                      | 16,35                     | 1,47   | 1,13   | 2,09   | 0,33             |
| 860 | 13:09:27 | 0,10             | 0,24             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 1,53   | 1,03   | 2,20   | 0,42             |
| 861 | 13:09:32 | 0,04             | 0,07             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 1,75   | 1,12   | 1,54   | 0,25             |
| 862 | 13:09:37 | 0,04             | 0,04             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 1,77   | 2,59   | 1,70   | 0,23             |
| 863 | 13:09:42 | 0,04             | 0,04             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 1,93   | 1,97   | 1,78   | 0,24             |
| 864 | 13:09:47 | 0,04             | 0,04             | 0,24             | 2,90                      | 3,11                      | 16,35                     | 1,81   | 2,19   | 1,87   | 0,25             |
| 865 | 13:09:52 | 0,04             | 0,05             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 3,35   | 2,80   | 2,03   | 0,24             |
| 866 | 13:09:57 | 0,04             | 0,05             | 0,26             | 2,90                      | 3,11                      | 16,35                     | 2,03   | 2,29   | 1,94   | 0,27             |
| 867 | 13:10:02 | 0,04             | 0,05             | 0,25             | 2,90                      | 3,11                      | 16,35                     | 1,70   | 1,55   | 1,71   | 0,27             |
| 868 | 13:10:07 | 0,04             | 0,05             | 0,24             | 2,90                      | 3,11                      | 16,35                     | 2,82   | 2,70   | 1,72   | 0,26             |
| 869 | 13:10:12 | 0,04             | 0,05             | 0,24             | 2,90                      | 3,11                      | 16,35                     | 1,71   | 1,71   | 1,89   | 0,25             |
| 870 | 13:10:17 | 0,04             | 0,06             | 0,25             | 2,90                      | 3,11                      | 16,35                     | 1,70   | 1,59   | 1,76   | 0,27             |
| 871 | 13:10:22 | 0,04             | 0,05             | 0,26             | 2,90                      | 3,11                      | 16,35                     | 1,73   | 1,82   | 1,72   | 0,28             |
| 872 | 13:10:27 | 0,06             | 0,11             | 0,23             | 2,90                      | 3,11                      | 16,35                     | 1,80   | 2,12   | 1,61   | 0,28             |
| 873 | 13:10:32 | 0,04             | 0,09             | 0,21             | 2,90                      | 3,11                      | 16,35                     | 2,96   | 2,86   | 1,96   | 0,25             |
| 874 | 13:10:37 | 0,07             | 0,09             | 0,20             | 2,90                      | 3,11                      | 16,35                     | 2,72   | 2,78   | 2,03   | 0,26             |
| 875 | 13:10:42 | 0,04             | 0,07             | 0,22             | 2,90                      | 3,11                      | 16,35                     | 2,13   | 1,45   | 1,93   | 0,25             |
| 876 | 13:10:47 | 0,03             | 0,05             | 0,21             | 2,90                      | 3,11                      | 16,35                     | 1,94   | 2,53   | 1,89   | 0,23             |
| 877 | 13:10:52 | 0,03             | 0,05             | 0,21             | 2,90                      | 3,11                      | 16,35                     | 1,70   | 1,94   | 1,79   | 0,22             |
| 878 | 13:10:57 | 0,03             | 0,05             | 0,20             | 2,90                      | 3,11                      | 16,35                     | 2,74   | 3,48   | 1,99   | 0,22             |
| 879 | 13:11:02 | 0,03             | 0,05             | 0,20             | 2,90                      | 3,11                      | 16,35                     | 1,94   | 2,87   | 1,77   | 0,21             |
| 880 | 13:11:07 | 0,03             | 0,05             | 0,20             | 2,90                      | 3,11                      | 16,35                     | 1,82   | 1,75   | 1,86   | 0,22             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 881 | 13:11:12 | 0,03            | 0,05            | 0,20            | 2,90                     | 3,11                     | 16,35                    | 1,84   | 1,56   | 1,86   | 0,21            |
| 882 | 13:11:17 | 0,04            | 0,09            | 0,19            | 2,90                     | 3,11                     | 16,35                    | 1,52   | 0,87   | 1,68   | 0,24            |
| 883 | 13:11:22 | 0,04            | 0,04            | 0,18            | 2,90                     | 3,11                     | 16,35                    | 1,59   | 1,58   | 1,73   | 0,20            |
| 884 | 13:11:27 | 0,04            | 0,06            | 0,17            | 2,90                     | 3,11                     | 16,35                    | 1,50   | 0,75   | 1,76   | 0,20            |
| 885 | 13:11:32 | 0,03            | 0,05            | 0,16            | 2,90                     | 3,11                     | 16,35                    | 2,54   | 3,82   | 1,75   | 0,18            |
| 886 | 13:11:37 | 0,04            | 0,07            | 0,18            | 2,90                     | 3,11                     | 16,35                    | 1,93   | 2,58   | 1,96   | 0,21            |
| 887 | 13:11:42 | 0,04            | 0,07            | 0,22            | 2,90                     | 3,11                     | 16,35                    | 1,97   | 2,16   | 1,70   | 0,24            |
| 888 | 13:11:47 | 0,04            | 0,04            | 0,20            | 2,90                     | 3,11                     | 16,35                    | 1,59   | 1,55   | 1,62   | 0,21            |
| 889 | 13:11:52 | 0,04            | 0,03            | 0,20            | 2,90                     | 3,11                     | 16,35                    | 1,71   | 1,92   | 1,83   | 0,21            |
| 890 | 13:11:57 | 0,04            | 0,06            | 0,20            | 2,90                     | 3,11                     | 16,35                    | 2,42   | 4,09   | 2,47   | 0,22            |
| 891 | 13:12:02 | 0,05            | 0,10            | 0,29            | 2,90                     | 3,11                     | 16,35                    | 1,40   | 1,00   | 1,59   | 0,33            |
| 892 | 13:12:07 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,69   | 1,56   | 1,65   | 0,32            |
| 893 | 13:12:12 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 3,23   | 2,97   | 1,98   | 0,32            |
| 894 | 13:12:17 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,70   | 1,52   | 1,64   | 0,33            |
| 895 | 13:12:22 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 2,03   | 2,81   | 1,96   | 0,32            |
| 896 | 13:12:27 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,65   | 1,57   | 1,73   | 0,31            |
| 897 | 13:12:32 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,77   | 1,63   | 1,70   | 0,32            |
| 898 | 13:12:37 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,58   | 1,68   | 1,60   | 0,32            |
| 899 | 13:12:42 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,79   | 1,58   | 1,70   | 0,31            |
| 900 | 13:12:47 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,67   | 1,70   | 1,65   | 0,31            |
| 901 | 13:12:52 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,63   | 1,56   | 1,62   | 0,32            |
| 902 | 13:12:57 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,70   | 1,65   | 1,70   | 0,32            |
| 903 | 13:13:02 | 0,04            | 0,05            | 0,32            | 2,90                     | 3,11                     | 16,35                    | 1,69   | 1,71   | 1,57   | 0,33            |
| 904 | 13:13:07 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,68   | 1,65   | 1,62   | 0,32            |
| 905 | 13:13:12 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,67   | 1,66   | 1,78   | 0,31            |
| 906 | 13:13:17 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,67   | 1,48   | 1,68   | 0,31            |
| 907 | 13:13:22 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,75   | 1,53   | 1,72   | 0,32            |
| 908 | 13:13:27 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,60   | 1,60   | 1,68   | 0,31            |
| 909 | 13:13:32 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,64   | 1,56   | 1,62   | 0,32            |
| 910 | 13:13:37 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,65   | 1,53   | 1,72   | 0,32            |
| 911 | 13:13:42 | 0,04            | 0,05            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,59   | 1,57   | 1,64   | 0,31            |
| 912 | 13:13:47 | 0,04            | 0,05            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,87   | 2,16   | 1,84   | 0,32            |
| 913 | 13:13:52 | 0,05            | 0,06            | 0,32            | 2,90                     | 3,11                     | 16,35                    | 1,72   | 1,56   | 1,64   | 0,34            |
| 914 | 13:13:57 | 0,05            | 0,07            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 2,50   | 2,28   | 1,76   | 0,33            |
| 915 | 13:14:02 | 0,05            | 0,06            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 1,73   | 1,51   | 1,80   | 0,33            |
| 916 | 13:14:07 | 0,05            | 0,06            | 0,32            | 2,90                     | 3,11                     | 16,35                    | 1,67   | 1,49   | 1,60   | 0,34            |
| 917 | 13:14:12 | 0,07            | 0,16            | 0,28            | 2,90                     | 3,11                     | 16,35                    | 5,91   | 1,58   | 2,49   | 0,38            |
| 918 | 13:14:17 | 0,16            | 0,11            | 0,31            | 2,90                     | 3,11                     | 16,35                    | 0,43   | 1,97   | 2,07   | 0,41            |
| 919 | 13:14:22 | 0,07            | 0,10            | 0,29            | 2,90                     | 3,11                     | 16,35                    | 1,77   | 2,23   | 1,96   | 0,34            |
| 920 | 13:14:27 | 0,11            | 0,12            | 0,34            | 2,90                     | 3,11                     | 16,35                    | 3,08   | 3,63   | 1,78   | 0,41            |
| 921 | 13:14:32 | 0,11            | 0,21            | 0,30            | 2,90                     | 3,11                     | 16,35                    | 1,72   | 1,96   | 2,16   | 0,45            |
| 922 | 13:14:37 | 0,29            | 0,19            | 0,27            | 2,90                     | 3,11                     | 16,35                    | 3,43   | 0,89   | 2,23   | 0,55            |
| 923 | 13:14:42 | 0,20            | 0,19            | 0,37            | 2,90                     | 3,11                     | 16,35                    | 1,35   | 2,93   | 2,45   | 0,54            |
| 924 | 13:14:47 | 0,30            | 0,37            | 0,35            | 2,91                     | 3,11                     | 16,35                    | 0,72   | 1,01   | 1,72   | 0,76            |
| 925 | 13:14:52 | 0,16            | 0,21            | 0,33            | 2,91                     | 3,11                     | 16,35                    | 1,61   | 1,55   | 2,10   | 0,50            |
| 926 | 13:14:57 | 0,29            | 0,20            | 0,47            | 2,91                     | 3,11                     | 16,35                    | 0,85   | 2,60   | 2,71   | 0,68            |
| 927 | 13:15:02 | 0,31            | 0,24            | 0,43            | 2,91                     | 3,11                     | 16,35                    | 0,81   | 1,29   | 1,89   | 0,69            |
| 928 | 13:15:07 | 0,35            | 0,24            | 0,54            | 2,91                     | 3,11                     | 16,35                    | 0,86   | 1,89   | 1,87   | 0,80            |
| 929 | 13:15:12 | 0,13            | 0,26            | 0,53            | 2,91                     | 3,12                     | 16,36                    | 1,44   | 1,30   | 2,32   | 0,67            |
| 930 | 13:15:17 | 0,12            | 0,17            | 0,59            | 2,91                     | 3,12                     | 16,36                    | 1,62   | 1,96   | 2,36   | 0,66            |
| 931 | 13:15:23 | 0,22            | 0,18            | 1,03            | 2,91                     | 3,12                     | 16,36                    | 1,49   | 1,92   | 1,30   | 1,10            |
| 932 | 13:15:28 | 0,15            | 0,36            | 0,73            | 2,91                     | 3,12                     | 16,36                    | 2,25   | 1,36   | 2,10   | 0,91            |
| 933 | 13:15:33 | 0,11            | 0,18            | 0,61            | 2,91                     | 3,12                     | 16,36                    | 2,13   | 2,42   | 2,62   | 0,68            |
| 934 | 13:15:38 | 0,14            | 0,23            | 0,66            | 2,91                     | 3,12                     | 16,36                    | 3,02   | 3,13   | 1,37   | 0,76            |
| 935 | 13:15:43 | 0,30            | 0,24            | 0,58            | 2,91                     | 3,12                     | 16,36                    | 1,31   | 2,11   | 2,42   | 0,79            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 936 | 13:15:48 | 0,30            | 0,39            | 0,42            | 2,91                     | 3,12                     | 16,36                    | 3,07   | 0,76   | 1,95   | 0,81            |
| 937 | 13:15:53 | 0,31            | 0,26            | 0,83            | 2,91                     | 3,12                     | 16,36                    | 0,87   | 0,78   | 2,03   | 1,01            |
| 938 | 13:15:58 | 0,27            | 0,25            | 0,60            | 2,91                     | 3,12                     | 16,36                    | 2,10   | 3,05   | 2,43   | 0,79            |
| 939 | 13:16:03 | 0,17            | 0,35            | 0,49            | 2,91                     | 3,13                     | 16,36                    | 1,67   | 1,94   | 1,94   | 0,74            |
| 940 | 13:16:08 | 0,09            | 0,17            | 0,43            | 2,91                     | 3,13                     | 16,36                    | 2,14   | 1,78   | 1,72   | 0,50            |
| 941 | 13:16:13 | 0,21            | 0,37            | 0,30            | 2,91                     | 3,13                     | 16,36                    | 0,91   | 1,45   | 1,98   | 0,67            |
| 942 | 13:16:18 | 0,14            | 0,22            | 0,31            | 2,91                     | 3,13                     | 16,36                    | 3,41   | 1,42   | 1,52   | 0,48            |
| 943 | 13:16:23 | 0,33            | 0,13            | 0,38            | 2,94                     | 3,13                     | 16,36                    | 1,42   | 2,18   | 2,12   | 0,63            |
| 944 | 13:16:28 | 0,20            | 0,23            | 2,75            | 2,94                     | 3,13                     | 16,39                    | 2,59   | 0,79   | 2,17   | 2,79            |
| 945 | 13:16:33 | 0,18            | 0,05            | 2,89            | 2,94                     | 3,13                     | 16,42                    | 1,70   | 1,79   | 1,67   | 2,90            |
| 946 | 13:16:38 | 0,19            | 0,04            | 2,90            | 2,94                     | 3,13                     | 16,45                    | 1,65   | 2,00   | 1,69   | 2,91            |
| 947 | 13:16:43 | 0,18            | 0,04            | 2,86            | 2,94                     | 3,13                     | 16,47                    | 1,69   | 2,13   | 1,65   | 2,87            |
| 948 | 13:16:48 | 0,18            | 0,04            | 2,82            | 2,94                     | 3,13                     | 16,50                    | 1,71   | 2,11   | 1,66   | 2,83            |
| 949 | 13:16:53 | 0,18            | 0,04            | 2,80            | 2,94                     | 3,13                     | 16,52                    | 1,76   | 2,16   | 1,64   | 2,81            |
| 950 | 13:16:58 | 0,18            | 0,04            | 2,76            | 2,94                     | 3,13                     | 16,55                    | 1,78   | 2,31   | 1,65   | 2,77            |
| 951 | 13:17:03 | 0,18            | 0,04            | 2,72            | 2,94                     | 3,13                     | 16,57                    | 1,81   | 2,27   | 1,62   | 2,73            |
| 952 | 13:17:08 | 0,18            | 0,04            | 2,70            | 2,94                     | 3,13                     | 16,59                    | 1,74   | 2,15   | 1,63   | 2,71            |
| 953 | 13:17:13 | 0,18            | 0,04            | 2,68            | 2,94                     | 3,13                     | 16,61                    | 1,76   | 2,41   | 1,60   | 2,70            |
| 954 | 13:17:18 | 0,17            | 0,04            | 2,63            | 2,94                     | 3,13                     | 16,62                    | 1,65   | 2,40   | 1,58   | 2,65            |
| 955 | 13:17:23 | 0,17            | 0,04            | 2,59            | 2,94                     | 3,13                     | 16,64                    | 1,72   | 2,42   | 1,61   | 2,60            |
| 956 | 13:17:28 | 0,17            | 0,04            | 2,60            | 2,94                     | 3,13                     | 16,66                    | 1,69   | 2,40   | 1,63   | 2,61            |
| 957 | 13:17:33 | 0,17            | 0,04            | 2,59            | 2,94                     | 3,13                     | 16,68                    | 1,63   | 2,29   | 1,62   | 2,60            |
| 958 | 13:17:38 | 0,17            | 0,04            | 2,55            | 2,94                     | 3,13                     | 16,70                    | 1,62   | 2,31   | 1,64   | 2,57            |
| 959 | 13:17:43 | 0,17            | 0,05            | 2,56            | 2,94                     | 3,13                     | 16,71                    | 1,66   | 2,24   | 1,63   | 2,58            |
| 960 | 13:17:48 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,73                    | 1,65   | 2,32   | 1,58   | 2,60            |
| 961 | 13:17:53 | 0,17            | 0,05            | 2,57            | 2,94                     | 3,13                     | 16,74                    | 1,60   | 2,52   | 1,62   | 2,58            |
| 962 | 13:17:58 | 0,17            | 0,05            | 2,56            | 2,94                     | 3,13                     | 16,76                    | 1,67   | 2,19   | 1,64   | 2,58            |
| 963 | 13:18:03 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,78                    | 1,65   | 2,25   | 1,63   | 2,59            |
| 964 | 13:18:08 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,79                    | 1,63   | 2,36   | 1,64   | 2,59            |
| 965 | 13:18:13 | 0,17            | 0,05            | 2,57            | 2,94                     | 3,13                     | 16,81                    | 1,68   | 2,28   | 1,60   | 2,58            |
| 966 | 13:18:18 | 0,17            | 0,05            | 2,57            | 2,94                     | 3,13                     | 16,83                    | 1,65   | 2,20   | 1,63   | 2,58            |
| 967 | 13:18:23 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,84                    | 1,66   | 2,24   | 1,64   | 2,59            |
| 968 | 13:18:28 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,86                    | 1,61   | 2,33   | 1,63   | 2,59            |
| 969 | 13:18:33 | 0,17            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,88                    | 1,62   | 2,31   | 1,66   | 2,59            |
| 970 | 13:18:38 | 0,16            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,89                    | 1,65   | 2,20   | 1,62   | 2,59            |
| 971 | 13:18:43 | 0,16            | 0,05            | 2,56            | 2,94                     | 3,13                     | 16,90                    | 1,66   | 2,35   | 1,62   | 2,58            |
| 972 | 13:18:48 | 0,16            | 0,05            | 2,58            | 2,94                     | 3,13                     | 16,92                    | 1,67   | 2,34   | 1,65   | 2,59            |
| 973 | 13:18:53 | 0,16            | 0,05            | 2,56            | 2,94                     | 3,13                     | 16,94                    | 1,60   | 2,14   | 1,67   | 2,57            |
| 974 | 13:18:58 | 0,17            | 0,05            | 2,57            | 2,94                     | 3,13                     | 16,95                    | 2,56   | 2,41   | 1,83   | 2,58            |
| 975 | 13:19:03 | 0,16            | 0,05            | 2,55            | 2,94                     | 3,13                     | 16,97                    | 1,57   | 2,39   | 1,64   | 2,56            |
| 976 | 13:19:08 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 16,98                    | 1,66   | 2,23   | 1,68   | 2,58            |
| 977 | 13:19:13 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,00                    | 1,62   | 2,24   | 1,60   | 2,58            |
| 978 | 13:19:18 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,01                    | 1,64   | 2,45   | 1,62   | 2,59            |
| 979 | 13:19:23 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,03                    | 1,62   | 2,38   | 1,61   | 2,59            |
| 980 | 13:19:28 | 0,16            | 0,04            | 2,59            | 2,94                     | 3,13                     | 17,05                    | 1,63   | 2,48   | 1,67   | 2,60            |
| 981 | 13:19:33 | 0,16            | 0,04            | 2,60            | 2,94                     | 3,13                     | 17,06                    | 1,61   | 2,30   | 1,63   | 2,61            |
| 982 | 13:19:38 | 0,17            | 0,04            | 2,61            | 2,94                     | 3,13                     | 17,08                    | 1,63   | 2,34   | 1,61   | 2,63            |
| 983 | 13:19:43 | 0,17            | 0,04            | 2,61            | 2,94                     | 3,13                     | 17,09                    | 1,59   | 2,40   | 1,64   | 2,62            |
| 984 | 13:19:48 | 0,16            | 0,04            | 2,61            | 2,94                     | 3,13                     | 17,11                    | 2,28   | 4,44   | 1,72   | 2,62            |
| 985 | 13:19:53 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,13                    | 1,66   | 2,30   | 1,66   | 2,63            |
| 986 | 13:19:58 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,14                    | 1,65   | 2,46   | 1,65   | 2,63            |
| 987 | 13:20:03 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,16                    | 1,70   | 2,61   | 1,64   | 2,63            |
| 988 | 13:20:08 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,18                    | 1,64   | 2,39   | 1,67   | 2,63            |
| 989 | 13:20:13 | 0,17            | 0,04            | 2,61            | 2,94                     | 3,13                     | 17,19                    | 1,70   | 2,50   | 1,68   | 2,62            |
| 990 | 13:20:18 | 0,17            | 0,04            | 2,63            | 2,94                     | 3,13                     | 17,21                    | 1,61   | 2,43   | 1,64   | 2,64            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 991  | 13:20:23 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,23                    | 1,63   | 2,56   | 1,69   | 2,63            |
| 992  | 13:20:28 | 0,17            | 0,04            | 2,62            | 2,94                     | 3,13                     | 17,24                    | 1,67   | 2,49   | 1,66   | 2,63            |
| 993  | 13:20:33 | 0,15            | 0,04            | 2,38            | 2,94                     | 3,13                     | 17,25                    | 1,67   | 2,25   | 1,71   | 2,39            |
| 994  | 13:20:38 | 0,16            | 0,04            | 2,52            | 2,94                     | 3,13                     | 17,27                    | 1,62   | 2,57   | 1,67   | 2,53            |
| 995  | 13:20:43 | 0,16            | 0,04            | 2,54            | 2,94                     | 3,13                     | 17,28                    | 1,57   | 2,25   | 1,65   | 2,55            |
| 996  | 13:20:48 | 0,16            | 0,04            | 2,54            | 2,94                     | 3,13                     | 17,30                    | 1,63   | 2,30   | 1,62   | 2,55            |
| 997  | 13:20:53 | 0,16            | 0,04            | 2,54            | 2,94                     | 3,13                     | 17,31                    | 1,60   | 2,31   | 1,64   | 2,55            |
| 998  | 13:20:58 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,32                    | 1,65   | 2,41   | 1,63   | 2,56            |
| 999  | 13:21:03 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,34                    | 1,62   | 2,22   | 1,61   | 2,56            |
| 1000 | 13:21:08 | 0,16            | 0,04            | 2,54            | 2,94                     | 3,13                     | 17,35                    | 1,60   | 2,51   | 1,65   | 2,56            |
| 1001 | 13:21:13 | 0,16            | 0,04            | 2,54            | 2,94                     | 3,13                     | 17,37                    | 1,60   | 2,45   | 1,64   | 2,55            |
| 1002 | 13:21:18 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,38                    | 1,61   | 2,43   | 1,63   | 2,57            |
| 1003 | 13:21:23 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,40                    | 1,61   | 2,43   | 1,65   | 2,56            |
| 1004 | 13:21:28 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,41                    | 1,64   | 2,55   | 1,63   | 2,57            |
| 1005 | 13:21:33 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,43                    | 1,71   | 2,35   | 1,68   | 2,57            |
| 1006 | 13:21:38 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,44                    | 1,63   | 2,30   | 1,67   | 2,57            |
| 1007 | 13:21:43 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,45                    | 1,67   | 2,25   | 1,62   | 2,57            |
| 1008 | 13:21:48 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,47                    | 2,88   | 2,34   | 2,05   | 2,57            |
| 1009 | 13:21:53 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,48                    | 1,66   | 2,54   | 1,63   | 2,57            |
| 1010 | 13:21:58 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,50                    | 1,58   | 2,62   | 1,65   | 2,59            |
| 1011 | 13:22:03 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,51                    | 1,63   | 2,56   | 1,65   | 2,56            |
| 1012 | 13:22:08 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,53                    | 1,58   | 2,39   | 1,62   | 2,57            |
| 1013 | 13:22:13 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,54                    | 1,63   | 2,35   | 1,66   | 2,57            |
| 1014 | 13:22:18 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,55                    | 2,92   | 2,49   | 2,13   | 2,57            |
| 1015 | 13:22:23 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,57                    | 1,62   | 2,43   | 1,66   | 2,58            |
| 1016 | 13:22:28 | 0,16            | 0,04            | 2,55            | 2,94                     | 3,13                     | 17,58                    | 1,60   | 2,30   | 1,66   | 2,56            |
| 1017 | 13:22:33 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,60                    | 1,64   | 2,41   | 1,65   | 2,58            |
| 1018 | 13:22:38 | 0,16            | 0,04            | 2,56            | 2,94                     | 3,13                     | 17,61                    | 1,63   | 2,42   | 1,62   | 2,57            |
| 1019 | 13:22:43 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,62                    | 1,62   | 2,25   | 1,63   | 2,59            |
| 1020 | 13:22:48 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,64                    | 1,56   | 2,40   | 1,63   | 2,58            |
| 1021 | 13:22:53 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,65                    | 1,65   | 2,42   | 1,58   | 2,59            |
| 1022 | 13:22:58 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,67                    | 1,67   | 2,22   | 1,68   | 2,59            |
| 1023 | 13:23:03 | 0,16            | 0,04            | 2,57            | 2,94                     | 3,13                     | 17,68                    | 1,59   | 2,32   | 1,63   | 2,58            |
| 1024 | 13:23:08 | 0,16            | 0,04            | 2,59            | 2,94                     | 3,13                     | 17,70                    | 1,57   | 2,44   | 1,65   | 2,60            |
| 1025 | 13:23:13 | 0,16            | 0,04            | 2,58            | 2,94                     | 3,13                     | 17,71                    | 1,61   | 2,41   | 1,64   | 2,59            |
| 1026 | 13:23:18 | 0,16            | 0,04            | 2,86            | 2,94                     | 3,13                     | 17,74                    | 1,67   | 2,47   | 1,60   | 2,87            |
| 1027 | 13:23:23 | 0,16            | 0,04            | 2,71            | 2,94                     | 3,13                     | 17,76                    | 1,66   | 2,49   | 1,67   | 2,72            |
| 1028 | 13:23:28 | 0,17            | 0,04            | 2,71            | 2,94                     | 3,13                     | 17,78                    | 1,69   | 2,47   | 1,67   | 2,72            |
| 1029 | 13:23:33 | 0,17            | 0,04            | 2,71            | 2,94                     | 3,13                     | 17,79                    | 1,68   | 2,45   | 1,70   | 2,72            |
| 1030 | 13:23:38 | 0,17            | 0,06            | 2,69            | 2,94                     | 3,13                     | 17,81                    | 2,06   | 3,05   | 1,75   | 2,71            |
| 1031 | 13:23:43 | 0,17            | 0,18            | 2,69            | 2,94                     | 3,13                     | 17,83                    | 3,07   | 4,74   | 1,86   | 2,71            |
| 1032 | 13:23:48 | 0,44            | 0,76            | 1,34            | 2,95                     | 3,16                     | 17,84                    | 0,19   | 0,26   | 0,42   | 1,81            |
| 1033 | 13:23:53 | 0,30            | 0,11            | 0,29            | 2,96                     | 3,16                     | 17,84                    | 1,18   | 2,40   | 2,58   | 0,53            |
| 1034 | 13:23:58 | 0,20            | 0,10            | 0,35            | 2,96                     | 3,16                     | 17,84                    | 1,31   | 2,21   | 2,24   | 0,47            |
| 1035 | 13:24:03 | 0,15            | 0,21            | 0,28            | 2,96                     | 3,16                     | 17,84                    | 1,36   | 1,16   | 2,75   | 0,46            |
| 1036 | 13:24:08 | 0,29            | 0,16            | 0,25            | 2,97                     | 3,16                     | 17,84                    | 3,62   | 1,78   | 2,75   | 0,53            |
| 1037 | 13:24:13 | 0,32            | 0,18            | 0,26            | 2,97                     | 3,16                     | 17,84                    | 0,77   | 1,80   | 2,09   | 0,58            |
| 1038 | 13:24:18 | 0,15            | 0,22            | 0,30            | 2,97                     | 3,16                     | 17,84                    | 2,56   | 2,12   | 2,68   | 0,48            |
| 1039 | 13:24:23 | 0,46            | 0,18            | 0,35            | 2,97                     | 3,16                     | 17,84                    | 0,20   | 0,73   | 1,93   | 0,77            |
| 1040 | 13:24:28 | 0,04            | 0,06            | 0,40            | 2,97                     | 3,16                     | 17,84                    | 2,79   | 2,66   | 2,07   | 0,41            |
| 1041 | 13:24:33 | 0,41            | 0,26            | 0,25            | 2,98                     | 3,16                     | 17,84                    | 1,35   | 1,98   | 2,49   | 0,72            |
| 1042 | 13:24:38 | 0,40            | 0,33            | 0,39            | 2,99                     | 3,16                     | 17,84                    | 1,42   | 1,91   | 3,97   | 0,83            |
| 1043 | 13:24:43 | 0,14            | 0,23            | 0,34            | 2,99                     | 3,16                     | 17,84                    | 1,80   | 1,94   | 1,71   | 0,51            |
| 1044 | 13:24:48 | 0,20            | 0,24            | 0,25            | 2,99                     | 3,17                     | 17,84                    | 2,19   | 1,87   | 2,76   | 0,50            |
| 1045 | 13:24:53 | 0,20            | 0,36            | 0,46            | 2,99                     | 3,17                     | 17,84                    | 1,76   | 1,43   | 1,42   | 0,74            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1046 | 13:24:58 | 0,18             | 0,16             | 0,35             | 2,99                      | 3,17                      | 17,84                     | 1,47   | 1,56   | 1,73   | 0,49             |
| 1047 | 13:25:03 | 0,16             | 0,17             | 0,63             | 2,99                      | 3,17                      | 17,84                     | 2,85   | 3,10   | 3,80   | 0,72             |
| 1048 | 13:25:08 | 0,48             | 0,57             | 0,65             | 3,00                      | 3,17                      | 17,84                     | 0,91   | 0,78   | 2,25   | 1,23             |
| 1049 | 13:25:13 | 0,34             | 0,46             | 0,76             | 3,00                      | 3,18                      | 17,84                     | 0,75   | 1,30   | 2,56   | 1,11             |
| 1050 | 13:25:18 | 0,21             | 0,21             | 0,74             | 3,00                      | 3,18                      | 17,84                     | 1,95   | 2,73   | 2,65   | 0,85             |
| 1051 | 13:25:23 | 0,26             | 0,26             | 0,79             | 3,00                      | 3,18                      | 17,84                     | 1,51   | 3,12   | 2,73   | 0,94             |
| 1052 | 13:25:28 | 0,19             | 0,35             | 0,60             | 3,00                      | 3,18                      | 17,84                     | 1,20   | 0,94   | 3,44   | 0,81             |
| 1053 | 13:25:33 | 0,22             | 0,42             | 0,62             | 3,00                      | 3,18                      | 17,84                     | 2,60   | 0,70   | 3,08   | 0,91             |
| 1054 | 13:25:38 | 0,23             | 0,19             | 0,87             | 3,00                      | 3,18                      | 17,84                     | 1,36   | 1,10   | 1,62   | 0,96             |
| 1055 | 13:25:43 | 0,17             | 0,16             | 0,52             | 3,00                      | 3,18                      | 17,84                     | 1,64   | 2,10   | 1,51   | 0,62             |
| 1056 | 13:25:48 | 0,31             | 0,21             | 0,30             | 3,00                      | 3,18                      | 17,84                     | 2,68   | 1,80   | 2,12   | 0,60             |
| 1057 | 13:25:53 | 0,45             | 0,72             | 0,62             | 3,00                      | 3,20                      | 17,84                     | 1,14   | 0,90   | 3,46   | 1,34             |
| 1058 | 13:25:58 | 0,20             | 0,29             | 0,77             | 3,01                      | 3,20                      | 17,84                     | 1,19   | 1,70   | 1,65   | 0,92             |
| 1059 | 13:26:03 | 0,15             | 0,24             | 0,89             | 3,01                      | 3,20                      | 17,84                     | 1,69   | 2,19   | 2,49   | 0,97             |
| 1060 | 13:26:08 | 0,17             | 0,25             | 0,85             | 3,01                      | 3,20                      | 17,84                     | 2,02   | 0,88   | 2,49   | 0,95             |
| 1061 | 13:26:13 | 0,46             | 0,52             | 0,68             | 3,01                      | 3,21                      | 17,84                     | 1,66   | 0,74   | 1,20   | 1,18             |
| 1062 | 13:26:18 | 0,15             | 0,24             | 0,56             | 3,01                      | 3,21                      | 17,84                     | 2,31   | 1,82   | 2,39   | 0,68             |
| 1063 | 13:26:23 | 0,49             | 0,28             | 0,76             | 3,02                      | 3,21                      | 17,84                     | 1,23   | 2,32   | 2,38   | 1,10             |
| 1064 | 13:26:28 | 0,28             | 0,36             | 1,00             | 3,02                      | 3,21                      | 17,84                     | 2,08   | 1,63   | 4,25   | 1,18             |
| 1065 | 13:26:33 | 0,19             | 0,25             | 0,75             | 3,02                      | 3,21                      | 17,84                     | 1,00   | 1,36   | 1,31   | 0,87             |
| 1066 | 13:26:38 | 0,24             | 0,25             | 0,62             | 3,02                      | 3,21                      | 17,84                     | 1,42   | 2,34   | 2,72   | 0,79             |
| 1067 | 13:26:43 | 0,17             | 0,24             | 0,75             | 3,02                      | 3,21                      | 17,84                     | 1,87   | 1,57   | 2,13   | 0,85             |
| 1068 | 13:26:48 | 0,18             | 0,24             | 0,70             | 3,02                      | 3,21                      | 17,84                     | 1,88   | 1,46   | 2,51   | 0,82             |
| 1069 | 13:26:53 | 0,18             | 0,29             | 0,73             | 3,02                      | 3,21                      | 17,84                     | 3,91   | 2,80   | 3,40   | 0,88             |
| 1070 | 13:26:58 | 0,38             | 0,27             | 0,84             | 3,03                      | 3,21                      | 17,84                     | 0,79   | 1,35   | 2,07   | 1,06             |
| 1071 | 13:27:03 | 0,59             | 0,32             | 1,00             | 3,04                      | 3,21                      | 17,85                     | 1,25   | 2,72   | 0,95   | 1,37             |
| 1072 | 13:27:08 | 0,30             | 0,38             | 0,71             | 3,05                      | 3,21                      | 17,85                     | 0,63   | 1,15   | 1,92   | 0,98             |
| 1073 | 13:27:13 | 0,23             | 0,24             | 0,88             | 3,05                      | 3,21                      | 17,85                     | 1,57   | 2,08   | 2,25   | 0,99             |
| 1074 | 13:27:18 | 0,23             | 0,24             | 0,71             | 3,05                      | 3,22                      | 17,85                     | 1,96   | 2,58   | 2,71   | 0,85             |
| 1075 | 13:27:23 | 0,14             | 0,17             | 0,74             | 3,05                      | 3,22                      | 17,85                     | 2,33   | 3,36   | 1,94   | 0,80             |
| 1076 | 13:27:28 | 0,16             | 0,12             | 0,39             | 3,05                      | 3,22                      | 17,85                     | 1,62   | 2,26   | 1,94   | 0,48             |
| 1077 | 13:27:33 | 0,48             | 0,33             | 0,51             | 3,07                      | 3,22                      | 17,85                     | 0,67   | 1,12   | 1,27   | 0,96             |
| 1078 | 13:27:38 | 0,49             | 0,26             | 0,37             | 3,08                      | 3,22                      | 17,85                     | 0,79   | 2,67   | 2,79   | 0,86             |
| 1079 | 13:27:43 | 0,12             | 0,18             | 0,44             | 3,08                      | 3,22                      | 17,85                     | 0,79   | 1,00   | 1,86   | 0,53             |
| 1080 | 13:27:48 | 0,10             | 0,22             | 0,43             | 3,08                      | 3,22                      | 17,85                     | 2,97   | 1,88   | 3,12   | 0,55             |
| 1081 | 13:27:53 | 0,23             | 0,19             | 0,57             | 3,08                      | 3,22                      | 17,85                     | 1,48   | 1,34   | 1,59   | 0,71             |
| 1082 | 13:27:58 | 0,11             | 0,15             | 0,65             | 3,08                      | 3,22                      | 17,85                     | 3,01   | 2,08   | 3,86   | 0,70             |
| 1083 | 13:28:03 | 0,14             | 0,16             | 0,55             | 3,08                      | 3,22                      | 17,85                     | 1,48   | 1,85   | 3,06   | 0,63             |
| 1084 | 13:28:08 | 0,27             | 0,14             | 0,38             | 3,08                      | 3,22                      | 17,85                     | 2,90   | 1,98   | 2,21   | 0,57             |
| 1085 | 13:28:13 | 0,42             | 0,24             | 0,50             | 3,09                      | 3,22                      | 17,85                     | 3,66   | 2,48   | 2,68   | 0,83             |
| 1086 | 13:28:18 | 0,14             | 0,17             | 0,33             | 3,09                      | 3,22                      | 17,85                     | 1,12   | 2,83   | 2,12   | 0,45             |
| 1087 | 13:28:23 | 0,09             | 0,15             | 0,38             | 3,09                      | 3,22                      | 17,85                     | 3,38   | 1,70   | 1,88   | 0,45             |
| 1088 | 13:28:28 | 0,30             | 0,22             | 0,44             | 3,09                      | 3,22                      | 17,85                     | 1,88   | 0,94   | 1,70   | 0,68             |
| 1089 | 13:28:33 | 0,16             | 0,07             | 0,34             | 3,09                      | 3,22                      | 17,85                     | 0,39   | 1,33   | 1,86   | 0,42             |
| 1090 | 13:28:38 | 0,24             | 0,14             | 0,21             | 3,09                      | 3,22                      | 17,85                     | 1,58   | 2,87   | 2,83   | 0,44             |
| 1091 | 13:28:43 | 0,50             | 0,30             | 0,24             | 3,10                      | 3,22                      | 17,85                     | 2,10   | 1,40   | 3,76   | 0,85             |
| 1092 | 13:28:48 | 0,47             | 0,21             | 0,55             | 3,10                      | 3,22                      | 17,85                     | 2,23   | 1,33   | 0,93   | 0,91             |
| 1093 | 13:28:53 | 0,10             | 0,23             | 0,52             | 3,10                      | 3,22                      | 17,85                     | 2,73   | 2,34   | 2,54   | 0,62             |
| 1094 | 13:28:58 | 0,25             | 0,13             | 0,33             | 3,10                      | 3,22                      | 17,85                     | 2,14   | 3,18   | 3,03   | 0,52             |
| 1095 | 13:29:03 | 0,33             | 0,20             | 0,69             | 3,11                      | 3,22                      | 17,85                     | 1,88   | 1,10   | 1,58   | 0,88             |
| 1096 | 13:29:08 | 0,44             | 0,25             | 0,82             | 3,12                      | 3,22                      | 17,85                     | 3,51   | 1,50   | 1,51   | 1,08             |
| 1097 | 13:29:13 | 0,16             | 0,14             | 0,45             | 3,12                      | 3,22                      | 17,85                     | 2,06   | 2,13   | 2,04   | 0,54             |
| 1098 | 13:29:18 | 0,32             | 0,15             | 0,35             | 3,12                      | 3,22                      | 17,85                     | 0,46   | 1,61   | 2,39   | 0,61             |
| 1099 | 13:29:23 | 0,12             | 0,21             | 0,40             | 3,12                      | 3,22                      | 17,85                     | 4,16   | 2,48   | 1,64   | 0,53             |
| 1100 | 13:29:28 | 0,39             | 0,24             | 0,64             | 3,13                      | 3,22                      | 17,85                     | 3,41   | 2,07   | 1,54   | 0,91             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1101 | 13:29:33 | 0,33             | 0,27             | 0,72             | 3,13                      | 3,22                      | 17,85                     | 4,27   | 1,37   | 1,64   | 0,94             |
| 1102 | 13:29:38 | 0,32             | 0,12             | 0,42             | 3,14                      | 3,22                      | 17,85                     | 0,75   | 3,29   | 3,36   | 0,64             |
| 1103 | 13:29:43 | 0,25             | 0,12             | 0,45             | 3,14                      | 3,22                      | 17,85                     | 1,03   | 3,05   | 4,62   | 0,60             |
| 1104 | 13:29:48 | 0,08             | 0,16             | 0,48             | 3,14                      | 3,22                      | 17,85                     | 2,42   | 2,20   | 2,11   | 0,54             |
| 1105 | 13:29:53 | 0,21             | 0,24             | 0,63             | 3,14                      | 3,22                      | 17,85                     | 2,71   | 2,62   | 3,06   | 0,77             |
| 1106 | 13:29:58 | 0,20             | 0,26             | 0,59             | 3,14                      | 3,22                      | 17,85                     | 5,33   | 1,97   | 2,85   | 0,74             |
| 1107 | 13:30:03 | 0,34             | 0,30             | 0,56             | 3,14                      | 3,22                      | 17,85                     | 0,32   | 1,76   | 0,82   | 0,85             |
| 1108 | 13:30:08 | 0,20             | 0,26             | 0,55             | 3,14                      | 3,22                      | 17,85                     | 1,16   | 1,93   | 3,53   | 0,71             |
| 1109 | 13:30:13 | 0,27             | 0,34             | 0,70             | 3,14                      | 3,22                      | 17,85                     | 1,24   | 1,44   | 2,80   | 0,92             |
| 1110 | 13:30:18 | 0,33             | 0,13             | 0,59             | 3,15                      | 3,22                      | 17,85                     | 1,46   | 3,17   | 2,79   | 0,77             |
| 1111 | 13:30:23 | 0,30             | 0,23             | 0,59             | 3,15                      | 3,22                      | 17,85                     | 1,06   | 3,12   | 2,40   | 0,79             |
| 1112 | 13:30:28 | 0,26             | 0,28             | 0,47             | 3,15                      | 3,22                      | 17,85                     | 0,64   | 1,44   | 1,39   | 0,71             |
| 1113 | 13:30:33 | 0,09             | 0,15             | 0,52             | 3,15                      | 3,23                      | 17,85                     | 1,71   | 3,00   | 2,38   | 0,57             |
| 1114 | 13:30:38 | 0,09             | 0,25             | 0,48             | 3,15                      | 3,23                      | 17,85                     | 2,68   | 1,52   | 2,45   | 0,61             |
| 1115 | 13:30:43 | 0,19             | 0,21             | 0,80             | 3,15                      | 3,23                      | 17,85                     | 1,13   | 3,29   | 2,41   | 0,90             |
| 1116 | 13:30:48 | 0,20             | 0,18             | 0,72             | 3,15                      | 3,23                      | 17,85                     | 1,88   | 2,09   | 1,53   | 0,81             |
| 1117 | 13:30:53 | 0,40             | 0,17             | 0,73             | 3,15                      | 3,23                      | 17,85                     | 2,29   | 1,75   | 2,76   | 0,95             |
| 1118 | 13:30:58 | 0,23             | 0,30             | 0,68             | 3,15                      | 3,23                      | 17,85                     | 3,49   | 2,82   | 4,32   | 0,86             |
| 1119 | 13:31:03 | 0,45             | 0,32             | 0,87             | 3,17                      | 3,23                      | 17,85                     | 0,88   | 1,65   | 3,78   | 1,16             |
| 1120 | 13:31:08 | 0,17             | 0,19             | 0,48             | 3,17                      | 3,23                      | 17,85                     | 5,41   | 2,05   | 3,29   | 0,60             |
| 1121 | 13:31:13 | 0,21             | 0,13             | 0,53             | 3,17                      | 3,23                      | 17,85                     | 0,89   | 2,25   | 2,27   | 0,64             |
| 1122 | 13:31:18 | 0,11             | 0,23             | 0,57             | 3,17                      | 3,23                      | 17,85                     | 2,94   | 1,48   | 1,47   | 0,67             |
| 1123 | 13:31:23 | 0,23             | 0,23             | 0,54             | 3,17                      | 3,23                      | 17,85                     | 3,14   | 1,65   | 3,36   | 0,70             |
| 1124 | 13:31:28 | 0,68             | 0,38             | 0,87             | 3,25                      | 3,23                      | 17,85                     | 1,95   | 0,58   | 1,40   | 1,40             |
| 1125 | 13:31:33 | 0,34             | 0,14             | 0,50             | 3,25                      | 3,23                      | 17,85                     | 0,29   | 2,19   | 1,34   | 0,71             |
| 1126 | 13:31:38 | 0,28             | 0,14             | 0,30             | 3,25                      | 3,23                      | 17,85                     | 2,05   | 2,79   | 1,63   | 0,53             |
| 1127 | 13:31:43 | 0,26             | 0,22             | 0,41             | 3,25                      | 3,23                      | 17,85                     | 1,75   | 1,51   | 1,86   | 0,63             |
| 1128 | 13:31:48 | 0,18             | 0,14             | 0,33             | 3,25                      | 3,23                      | 17,85                     | 0,47   | 3,74   | 4,55   | 0,46             |
| 1129 | 13:31:53 | 0,10             | 0,21             | 0,42             | 3,25                      | 3,23                      | 17,85                     | 2,67   | 2,73   | 3,73   | 0,53             |
| 1130 | 13:31:58 | 0,09             | 0,23             | 0,55             | 3,25                      | 3,23                      | 17,85                     | 2,00   | 1,31   | 3,14   | 0,65             |
| 1131 | 13:32:03 | 0,23             | 0,13             | 0,35             | 3,25                      | 3,23                      | 17,85                     | 1,16   | 2,12   | 1,63   | 0,50             |
| 1132 | 13:32:08 | 0,24             | 0,25             | 0,43             | 3,25                      | 3,23                      | 17,85                     | 0,69   | 1,94   | 2,37   | 0,65             |
| 1133 | 13:32:13 | 0,09             | 0,24             | 0,34             | 3,25                      | 3,23                      | 17,85                     | 1,58   | 0,76   | 1,69   | 0,49             |
| 1134 | 13:32:18 | 0,13             | 0,28             | 0,48             | 3,25                      | 3,23                      | 17,85                     | 2,05   | 2,17   | 2,91   | 0,65             |
| 1135 | 13:32:23 | 0,10             | 0,12             | 0,43             | 3,25                      | 3,23                      | 17,85                     | 1,42   | 2,46   | 2,71   | 0,48             |
| 1136 | 13:32:28 | 0,10             | 0,13             | 0,46             | 3,25                      | 3,23                      | 17,85                     | 3,23   | 2,26   | 3,12   | 0,51             |
| 1137 | 13:32:33 | 0,16             | 0,17             | 0,48             | 3,25                      | 3,23                      | 17,85                     | 1,47   | 2,64   | 2,79   | 0,58             |
| 1138 | 13:32:38 | 0,21             | 0,27             | 0,41             | 3,25                      | 3,23                      | 17,85                     | 1,19   | 2,55   | 2,10   | 0,63             |
| 1139 | 13:32:43 | 0,10             | 0,45             | 0,52             | 3,25                      | 3,24                      | 17,85                     | 3,16   | 1,38   | 2,81   | 0,83             |
| 1140 | 13:32:48 | 0,10             | 0,28             | 0,43             | 3,25                      | 3,24                      | 17,85                     | 2,09   | 1,13   | 2,02   | 0,60             |
| 1141 | 13:32:53 | 0,11             | 0,11             | 0,61             | 3,25                      | 3,24                      | 17,85                     | 2,04   | 2,20   | 1,78   | 0,64             |
| 1142 | 13:32:58 | 0,10             | 0,13             | 0,42             | 3,25                      | 3,24                      | 17,85                     | 3,06   | 2,00   | 1,66   | 0,48             |
| 1143 | 13:33:03 | 0,30             | 0,27             | 0,32             | 3,25                      | 3,24                      | 17,85                     | 2,14   | 1,35   | 2,42   | 0,65             |
| 1144 | 13:33:08 | 0,17             | 0,43             | 0,64             | 3,25                      | 3,24                      | 17,85                     | 2,09   | 2,02   | 4,28   | 0,92             |
| 1145 | 13:33:13 | 0,13             | 0,26             | 0,66             | 3,25                      | 3,24                      | 17,85                     | 0,94   | 1,07   | 1,15   | 0,77             |
| 1146 | 13:33:18 | 0,09             | 0,18             | 0,58             | 3,25                      | 3,24                      | 17,85                     | 2,52   | 2,14   | 4,18   | 0,64             |
| 1147 | 13:33:23 | 0,17             | 0,22             | 0,70             | 3,25                      | 3,24                      | 17,85                     | 3,23   | 1,39   | 3,24   | 0,80             |
| 1148 | 13:33:28 | 0,24             | 0,23             | 1,00             | 3,25                      | 3,24                      | 17,85                     | 1,98   | 2,13   | 1,94   | 1,10             |
| 1149 | 13:33:33 | 0,21             | 0,27             | 0,92             | 3,26                      | 3,24                      | 17,85                     | 2,70   | 5,16   | 3,61   | 1,04             |
| 1150 | 13:33:38 | 0,18             | 0,35             | 0,82             | 3,26                      | 3,24                      | 17,85                     | 1,18   | 1,21   | 1,37   | 0,99             |
| 1151 | 13:33:43 | 0,15             | 0,18             | 0,68             | 3,26                      | 3,24                      | 17,85                     | 4,48   | 2,59   | 3,67   | 0,75             |
| 1152 | 13:33:48 | 0,21             | 0,25             | 0,89             | 3,26                      | 3,24                      | 17,86                     | 2,79   | 2,21   | 2,16   | 1,00             |
| 1153 | 13:33:53 | 0,17             | 0,18             | 0,96             | 3,26                      | 3,24                      | 17,86                     | 1,54   | 1,89   | 1,85   | 1,02             |
| 1154 | 13:33:58 | 0,14             | 0,20             | 0,76             | 3,26                      | 3,25                      | 17,86                     | 1,68   | 1,74   | 2,44   | 0,83             |
| 1155 | 13:34:03 | 0,10             | 0,21             | 0,56             | 3,26                      | 3,25                      | 17,86                     | 2,42   | 1,81   | 3,32   | 0,65             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1156 | 13:34:08 | 0,13             | 0,17             | 0,51             | 3,26                      | 3,25                      | 17,86                     | 1,09   | 1,64   | 1,45   | 0,59             |
| 1157 | 13:34:13 | 0,06             | 0,15             | 0,29             | 3,26                      | 3,25                      | 17,86                     | 2,02   | 1,30   | 2,24   | 0,37             |
| 1158 | 13:34:18 | 0,11             | 0,15             | 0,47             | 3,26                      | 3,25                      | 17,86                     | 1,97   | 2,00   | 2,47   | 0,54             |
| 1159 | 13:34:24 | 0,10             | 0,17             | 0,53             | 3,26                      | 3,25                      | 17,86                     | 1,23   | 2,42   | 2,67   | 0,60             |
| 1160 | 13:34:29 | 0,16             | 0,19             | 0,53             | 3,26                      | 3,25                      | 17,86                     | 1,39   | 1,41   | 2,94   | 0,64             |
| 1161 | 13:34:34 | 0,15             | 0,35             | 0,62             | 3,26                      | 3,25                      | 17,86                     | 2,83   | 1,58   | 2,96   | 0,81             |
| 1162 | 13:34:39 | 0,16             | 0,23             | 0,66             | 3,26                      | 3,25                      | 17,86                     | 2,60   | 2,64   | 3,25   | 0,77             |
| 1163 | 13:34:44 | 0,16             | 0,15             | 0,70             | 3,26                      | 3,25                      | 17,86                     | 1,75   | 1,77   | 1,81   | 0,76             |
| 1164 | 13:34:49 | 0,23             | 0,23             | 0,59             | 3,26                      | 3,25                      | 17,86                     | 1,30   | 1,25   | 2,26   | 0,74             |
| 1165 | 13:34:54 | 0,11             | 0,23             | 0,43             | 3,26                      | 3,25                      | 17,86                     | 2,04   | 3,01   | 2,82   | 0,56             |
| 1166 | 13:34:59 | 0,14             | 0,28             | 0,51             | 3,26                      | 3,25                      | 17,86                     | 1,03   | 2,06   | 2,38   | 0,68             |
| 1167 | 13:35:04 | 0,19             | 0,38             | 0,79             | 3,26                      | 3,25                      | 17,86                     | 1,96   | 2,51   | 2,54   | 0,99             |
| 1168 | 13:35:09 | 0,16             | 0,29             | 0,89             | 3,26                      | 3,25                      | 17,86                     | 1,79   | 2,20   | 1,70   | 1,01             |
| 1169 | 13:35:14 | 0,22             | 0,30             | 0,91             | 3,26                      | 3,25                      | 17,86                     | 1,67   | 1,36   | 2,79   | 1,05             |
| 1170 | 13:35:19 | 0,14             | 0,20             | 0,80             | 3,26                      | 3,25                      | 17,86                     | 1,20   | 1,49   | 1,60   | 0,88             |
| 1171 | 13:35:24 | 0,16             | 0,25             | 0,65             | 3,26                      | 3,25                      | 17,86                     | 1,02   | 1,88   | 1,35   | 0,78             |
| 1172 | 13:35:29 | 0,13             | 0,25             | 0,73             | 3,26                      | 3,25                      | 17,86                     | 1,34   | 1,91   | 1,95   | 0,83             |
| 1173 | 13:35:34 | 0,11             | 0,27             | 0,56             | 3,26                      | 3,25                      | 17,86                     | 1,82   | 2,13   | 3,96   | 0,69             |
| 1174 | 13:35:39 | 0,18             | 0,19             | 0,81             | 3,26                      | 3,25                      | 17,86                     | 0,76   | 1,66   | 1,43   | 0,89             |
| 1175 | 13:35:44 | 0,10             | 0,20             | 0,53             | 3,26                      | 3,25                      | 17,86                     | 1,65   | 2,39   | 1,85   | 0,62             |
| 1176 | 13:35:49 | 0,14             | 0,16             | 0,73             | 3,26                      | 3,25                      | 17,86                     | 1,62   | 2,47   | 1,20   | 0,78             |
| 1177 | 13:35:54 | 0,20             | 0,21             | 0,91             | 3,26                      | 3,25                      | 17,86                     | 2,84   | 1,26   | 2,82   | 1,00             |
| 1178 | 13:35:59 | 0,11             | 0,22             | 0,65             | 3,26                      | 3,25                      | 17,86                     | 3,28   | 1,65   | 2,06   | 0,73             |
| 1179 | 13:36:04 | 0,18             | 0,23             | 0,89             | 3,26                      | 3,25                      | 17,86                     | 1,62   | 1,83   | 1,84   | 0,98             |
| 1180 | 13:36:09 | 0,20             | 0,31             | 0,84             | 3,26                      | 3,25                      | 17,86                     | 1,67   | 1,27   | 1,04   | 0,99             |
| 1181 | 13:36:14 | 0,16             | 0,31             | 0,68             | 3,26                      | 3,25                      | 17,86                     | 1,41   | 1,13   | 1,46   | 0,84             |
| 1182 | 13:36:19 | 0,16             | 0,23             | 0,66             | 3,26                      | 3,25                      | 17,86                     | 1,05   | 1,39   | 1,66   | 0,77             |
| 1183 | 13:36:24 | 0,19             | 0,27             | 0,77             | 3,26                      | 3,26                      | 17,86                     | 1,69   | 1,90   | 1,52   | 0,90             |
| 1184 | 13:36:29 | 0,17             | 0,31             | 0,66             | 3,26                      | 3,26                      | 17,86                     | 1,60   | 0,82   | 1,67   | 0,83             |
| 1185 | 13:36:34 | 0,14             | 0,24             | 0,70             | 3,26                      | 3,26                      | 17,86                     | 1,49   | 1,43   | 2,95   | 0,80             |
| 1186 | 13:36:39 | 0,22             | 0,26             | 0,75             | 3,26                      | 3,26                      | 17,86                     | 1,26   | 1,57   | 2,13   | 0,89             |
| 1187 | 13:36:44 | 0,13             | 0,30             | 0,59             | 3,26                      | 3,26                      | 17,86                     | 3,43   | 2,82   | 2,47   | 0,75             |
| 1188 | 13:36:50 | 0,12             | 0,17             | 0,63             | 3,26                      | 3,26                      | 17,86                     | 2,14   | 3,05   | 2,57   | 0,69             |
| 1189 | 13:36:55 | 0,12             | 0,17             | 0,63             | 3,26                      | 3,26                      | 17,86                     | 1,50   | 1,03   | 2,43   | 0,69             |
| 1190 | 13:37:00 | 0,18             | 0,23             | 0,91             | 3,26                      | 3,26                      | 17,86                     | 2,16   | 2,10   | 1,32   | 0,99             |
| 1191 | 13:37:05 | 0,21             | 0,28             | 0,79             | 3,26                      | 3,26                      | 17,86                     | 3,10   | 1,66   | 1,83   | 0,93             |
| 1192 | 13:37:10 | 0,13             | 0,24             | 0,47             | 3,26                      | 3,26                      | 17,86                     | 1,31   | 1,53   | 1,83   | 0,61             |
| 1193 | 13:37:15 | 0,13             | 0,15             | 0,46             | 3,26                      | 3,26                      | 17,86                     | 1,41   | 2,35   | 1,96   | 0,54             |
| 1194 | 13:37:20 | 0,37             | 0,19             | 0,76             | 3,27                      | 3,26                      | 17,86                     | 0,72   | 2,20   | 0,63   | 0,96             |
| 1195 | 13:37:25 | 0,28             | 0,13             | 0,23             | 3,27                      | 3,26                      | 17,86                     | 2,91   | 1,73   | 1,47   | 0,49             |
| 1196 | 13:37:30 | 0,13             | 0,08             | 0,26             | 3,27                      | 3,26                      | 17,86                     | 1,06   | 1,77   | 3,01   | 0,34             |
| 1197 | 13:37:35 | 0,20             | 0,10             | 0,24             | 3,27                      | 3,26                      | 17,86                     | 3,84   | 2,45   | 5,40   | 0,39             |
| 1198 | 13:37:40 | 0,44             | 0,16             | 0,49             | 3,27                      | 3,26                      | 17,86                     | 1,20   | 2,83   | 2,20   | 0,82             |
| 1199 | 13:37:45 | 0,41             | 0,15             | 0,29             | 3,28                      | 3,26                      | 17,86                     | 0,78   | 2,57   | 3,34   | 0,68             |
| 1200 | 13:37:50 | 0,23             | 0,12             | 0,43             | 3,28                      | 3,26                      | 17,86                     | 1,49   | 3,36   | 1,85   | 0,56             |
| 1201 | 13:37:56 | 0,08             | 0,20             | 0,46             | 3,28                      | 3,26                      | 17,86                     | 3,40   | 2,94   | 2,77   | 0,55             |
| 1202 | 13:38:01 | 0,17             | 0,19             | 0,89             | 3,28                      | 3,26                      | 17,86                     | 1,41   | 2,10   | 1,26   | 0,96             |
| 1203 | 13:38:06 | 0,11             | 0,19             | 0,59             | 3,28                      | 3,26                      | 17,86                     | 2,34   | 1,79   | 2,33   | 0,66             |
| 1204 | 13:38:11 | 0,12             | 0,19             | 0,70             | 3,28                      | 3,26                      | 17,86                     | 1,68   | 1,29   | 2,80   | 0,77             |
| 1205 | 13:38:16 | 0,13             | 0,19             | 0,67             | 3,28                      | 3,26                      | 17,86                     | 1,53   | 3,79   | 3,12   | 0,74             |
| 1206 | 13:38:21 | 0,12             | 0,24             | 0,69             | 3,28                      | 3,26                      | 17,86                     | 1,03   | 1,30   | 1,27   | 0,79             |
| 1207 | 13:38:26 | 0,13             | 0,16             | 0,60             | 3,28                      | 3,26                      | 17,86                     | 3,20   | 1,59   | 3,97   | 0,66             |
| 1208 | 13:38:31 | 0,21             | 0,20             | 1,00             | 3,28                      | 3,26                      | 17,86                     | 1,97   | 2,22   | 2,38   | 1,08             |
| 1209 | 13:38:36 | 0,11             | 0,20             | 0,57             | 3,28                      | 3,26                      | 17,86                     | 2,55   | 2,21   | 1,58   | 0,65             |
| 1210 | 13:38:41 | 0,24             | 0,31             | 0,92             | 3,28                      | 3,26                      | 17,87                     | 1,15   | 1,11   | 1,04   | 1,07             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1211 | 13:38:46 | 0,20             | 0,22             | 0,61             | 3,28                      | 3,26                      | 17,87                     | 1,86   | 1,25   | 3,17   | 0,74             |
| 1212 | 13:38:51 | 0,18             | 0,28             | 0,85             | 3,28                      | 3,26                      | 17,87                     | 2,29   | 0,98   | 2,71   | 0,97             |
| 1213 | 13:38:56 | 0,19             | 0,18             | 0,87             | 3,28                      | 3,26                      | 17,87                     | 2,00   | 2,37   | 2,37   | 0,94             |
| 1214 | 13:39:01 | 0,16             | 0,20             | 0,58             | 3,28                      | 3,26                      | 17,87                     | 1,53   | 1,90   | 2,28   | 0,68             |
| 1215 | 13:39:06 | 0,16             | 0,29             | 0,67             | 3,28                      | 3,27                      | 17,87                     | 1,31   | 1,09   | 1,28   | 0,82             |
| 1216 | 13:39:11 | 0,10             | 0,14             | 0,59             | 3,28                      | 3,27                      | 17,87                     | 2,00   | 2,25   | 2,30   | 0,64             |
| 1217 | 13:39:16 | 0,11             | 0,20             | 0,60             | 3,28                      | 3,27                      | 17,87                     | 2,91   | 2,60   | 1,85   | 0,68             |
| 1218 | 13:39:21 | 0,12             | 0,22             | 0,62             | 3,28                      | 3,27                      | 17,87                     | 2,36   | 2,44   | 2,40   | 0,71             |
| 1219 | 13:39:26 | 0,13             | 0,14             | 0,48             | 3,28                      | 3,27                      | 17,87                     | 2,60   | 3,09   | 4,91   | 0,55             |
| 1220 | 13:39:31 | 0,13             | 0,23             | 0,52             | 3,28                      | 3,27                      | 17,87                     | 2,54   | 3,11   | 2,90   | 0,64             |
| 1221 | 13:39:36 | 0,18             | 0,26             | 0,71             | 3,28                      | 3,27                      | 17,87                     | 1,72   | 1,40   | 1,42   | 0,84             |
| 1222 | 13:39:41 | 0,12             | 0,18             | 0,60             | 3,28                      | 3,27                      | 17,87                     | 2,34   | 3,07   | 2,62   | 0,67             |
| 1223 | 13:39:46 | 0,13             | 0,20             | 0,71             | 3,28                      | 3,27                      | 17,87                     | 3,38   | 2,50   | 3,17   | 0,79             |
| 1224 | 13:39:51 | 0,21             | 0,16             | 0,87             | 3,28                      | 3,27                      | 17,87                     | 2,16   | 2,24   | 2,54   | 0,95             |
| 1225 | 13:39:56 | 0,13             | 0,25             | 0,63             | 3,28                      | 3,27                      | 17,87                     | 3,23   | 3,12   | 3,35   | 0,74             |
| 1226 | 13:40:01 | 0,09             | 0,20             | 0,52             | 3,28                      | 3,27                      | 17,87                     | 1,57   | 1,70   | 1,19   | 0,60             |
| 1227 | 13:40:06 | 0,16             | 0,20             | 0,86             | 3,28                      | 3,27                      | 17,87                     | 3,21   | 2,31   | 2,81   | 0,93             |
| 1228 | 13:40:11 | 0,22             | 0,25             | 0,82             | 3,28                      | 3,27                      | 17,87                     | 2,28   | 1,72   | 3,22   | 0,94             |
| 1229 | 13:40:16 | 0,14             | 0,19             | 0,64             | 3,28                      | 3,27                      | 17,87                     | 2,47   | 1,80   | 2,78   | 0,72             |
| 1230 | 13:40:21 | 0,16             | 0,23             | 0,71             | 3,28                      | 3,27                      | 17,87                     | 2,20   | 1,77   | 2,19   | 0,81             |
| 1231 | 13:40:26 | 0,20             | 0,36             | 0,88             | 3,28                      | 3,27                      | 17,87                     | 2,94   | 1,62   | 2,67   | 1,05             |
| 1232 | 13:40:31 | 0,17             | 0,26             | 0,80             | 3,28                      | 3,27                      | 17,87                     | 1,49   | 1,20   | 1,85   | 0,92             |
| 1233 | 13:40:36 | 0,13             | 0,21             | 0,49             | 3,28                      | 3,27                      | 17,87                     | 1,95   | 2,97   | 2,44   | 0,60             |
| 1234 | 13:40:41 | 0,09             | 0,18             | 0,33             | 3,28                      | 3,27                      | 17,87                     | 3,01   | 1,75   | 3,84   | 0,43             |
| 1235 | 13:40:46 | 0,25             | 0,51             | 1,10             | 3,28                      | 3,28                      | 17,87                     | 2,47   | 2,25   | 2,60   | 1,36             |
| 1236 | 13:40:51 | 0,10             | 0,20             | 0,43             | 3,28                      | 3,28                      | 17,87                     | 0,96   | 2,62   | 2,16   | 0,53             |
| 1237 | 13:40:56 | 0,12             | 0,21             | 0,52             | 3,28                      | 3,28                      | 17,87                     | 1,38   | 1,49   | 2,09   | 0,62             |
| 1238 | 13:41:01 | 0,23             | 0,15             | 0,88             | 3,28                      | 3,28                      | 17,87                     | 0,48   | 1,29   | 0,82   | 0,96             |
| 1239 | 13:41:06 | 0,10             | 0,20             | 0,40             | 3,28                      | 3,28                      | 17,87                     | 1,91   | 2,17   | 2,29   | 0,51             |
| 1240 | 13:41:11 | 0,07             | 0,17             | 0,43             | 3,28                      | 3,28                      | 17,87                     | 1,34   | 1,02   | 2,47   | 0,50             |
| 1241 | 13:41:16 | 0,08             | 0,16             | 0,40             | 3,28                      | 3,28                      | 17,87                     | 3,45   | 2,48   | 2,59   | 0,47             |
| 1242 | 13:41:21 | 0,13             | 0,50             | 0,53             | 3,28                      | 3,28                      | 17,87                     | 1,49   | 1,40   | 2,48   | 0,89             |
| 1243 | 13:41:26 | 0,18             | 0,31             | 0,82             | 3,28                      | 3,28                      | 17,87                     | 0,76   | 0,75   | 1,45   | 0,96             |
| 1244 | 13:41:31 | 0,14             | 0,16             | 0,58             | 3,28                      | 3,28                      | 17,87                     | 3,89   | 3,27   | 3,12   | 0,65             |
| 1245 | 13:41:36 | 0,16             | 0,22             | 0,71             | 3,28                      | 3,28                      | 17,87                     | 1,89   | 1,03   | 0,94   | 0,81             |
| 1246 | 13:41:41 | 0,11             | 0,26             | 0,50             | 3,28                      | 3,28                      | 17,87                     | 2,94   | 0,92   | 3,41   | 0,63             |
| 1247 | 13:41:46 | 0,17             | 0,19             | 0,78             | 3,28                      | 3,28                      | 17,87                     | 1,32   | 1,10   | 1,07   | 0,85             |
| 1248 | 13:41:51 | 0,15             | 0,29             | 0,47             | 3,28                      | 3,29                      | 17,87                     | 1,65   | 2,43   | 2,26   | 0,65             |
| 1249 | 13:41:56 | 0,16             | 0,34             | 0,49             | 3,28                      | 3,29                      | 17,87                     | 1,43   | 0,88   | 2,12   | 0,72             |
| 1250 | 13:42:01 | 0,19             | 0,17             | 0,46             | 3,28                      | 3,29                      | 17,87                     | 2,00   | 2,34   | 1,68   | 0,58             |
| 1251 | 13:42:06 | 0,15             | 0,23             | 0,56             | 3,28                      | 3,29                      | 17,87                     | 0,95   | 1,13   | 1,90   | 0,68             |
| 1252 | 13:42:11 | 0,14             | 0,23             | 0,84             | 3,28                      | 3,29                      | 17,87                     | 1,62   | 1,22   | 1,81   | 0,92             |
| 1253 | 13:42:16 | 0,20             | 0,28             | 0,72             | 3,28                      | 3,29                      | 17,87                     | 0,94   | 1,71   | 1,51   | 0,87             |
| 1254 | 13:42:21 | 0,13             | 0,25             | 0,67             | 3,28                      | 3,29                      | 17,87                     | 1,48   | 1,82   | 3,42   | 0,78             |
| 1255 | 13:42:26 | 0,20             | 0,22             | 0,72             | 3,28                      | 3,29                      | 17,87                     | 2,00   | 2,43   | 2,10   | 0,83             |
| 1256 | 13:42:31 | 0,15             | 0,24             | 0,73             | 3,28                      | 3,29                      | 17,87                     | 2,74   | 1,63   | 2,96   | 0,83             |
| 1257 | 13:42:36 | 0,28             | 0,33             | 0,99             | 3,28                      | 3,29                      | 17,87                     | 1,92   | 1,59   | 2,78   | 1,16             |
| 1258 | 13:42:41 | 0,20             | 0,25             | 0,87             | 3,28                      | 3,29                      | 17,87                     | 1,70   | 2,40   | 2,11   | 0,98             |
| 1259 | 13:42:46 | 0,17             | 0,30             | 0,74             | 3,28                      | 3,29                      | 17,87                     | 1,12   | 1,87   | 1,36   | 0,88             |
| 1260 | 13:42:51 | 0,16             | 0,22             | 0,65             | 3,28                      | 3,29                      | 17,87                     | 2,15   | 1,32   | 3,24   | 0,75             |
| 1261 | 13:42:56 | 0,16             | 0,22             | 0,56             | 3,28                      | 3,29                      | 17,87                     | 2,22   | 4,77   | 2,01   | 0,67             |
| 1262 | 13:43:01 | 0,22             | 0,38             | 0,89             | 3,28                      | 3,29                      | 17,87                     | 3,46   | 2,37   | 3,28   | 1,08             |
| 1263 | 13:43:06 | 0,23             | 0,31             | 0,79             | 3,28                      | 3,29                      | 17,88                     | 1,78   | 0,92   | 1,81   | 0,96             |
| 1264 | 13:43:11 | 0,17             | 0,33             | 0,79             | 3,28                      | 3,30                      | 17,88                     | 1,92   | 1,98   | 1,61   | 0,95             |
| 1265 | 13:43:16 | 0,13             | 0,21             | 0,50             | 3,28                      | 3,30                      | 17,88                     | 1,66   | 1,22   | 2,11   | 0,62             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1266 | 13:43:21 | 0,14             | 0,16             | 0,53             | 3,28                      | 3,30                      | 17,88                     | 1,68   | 1,66   | 3,50   | 0,61             |
| 1267 | 13:43:26 | 0,11             | 0,22             | 0,54             | 3,28                      | 3,30                      | 17,88                     | 1,74   | 2,42   | 1,71   | 0,64             |
| 1268 | 13:43:31 | 0,12             | 0,17             | 0,58             | 3,28                      | 3,30                      | 17,88                     | 2,90   | 2,55   | 2,81   | 0,65             |
| 1269 | 13:43:36 | 0,23             | 0,24             | 0,72             | 3,28                      | 3,30                      | 17,88                     | 2,67   | 3,50   | 3,54   | 0,86             |
| 1270 | 13:43:41 | 0,20             | 0,27             | 0,75             | 3,28                      | 3,30                      | 17,88                     | 1,54   | 1,36   | 1,72   | 0,89             |
| 1271 | 13:43:46 | 0,20             | 0,35             | 0,93             | 3,28                      | 3,30                      | 17,88                     | 0,85   | 1,29   | 1,52   | 1,09             |
| 1272 | 13:43:51 | 0,19             | 0,30             | 0,84             | 3,28                      | 3,30                      | 17,88                     | 1,14   | 0,80   | 0,78   | 0,98             |
| 1273 | 13:43:56 | 0,13             | 0,21             | 0,61             | 3,28                      | 3,30                      | 17,88                     | 1,98   | 3,14   | 2,59   | 0,70             |
| 1274 | 13:44:01 | 0,18             | 0,32             | 0,71             | 3,28                      | 3,30                      | 17,88                     | 1,08   | 1,10   | 1,29   | 0,88             |
| 1275 | 13:44:06 | 0,16             | 0,21             | 0,87             | 3,28                      | 3,30                      | 17,88                     | 1,36   | 2,16   | 1,24   | 0,95             |
| 1276 | 13:44:11 | 0,07             | 0,17             | 0,39             | 3,28                      | 3,30                      | 17,88                     | 2,37   | 2,23   | 2,80   | 0,47             |
| 1277 | 13:44:16 | 0,09             | 0,21             | 0,50             | 3,28                      | 3,30                      | 17,88                     | 1,90   | 1,48   | 3,24   | 0,59             |
| 1278 | 13:44:21 | 0,11             | 0,22             | 0,58             | 3,28                      | 3,30                      | 17,88                     | 2,52   | 1,46   | 2,85   | 0,67             |
| 1279 | 13:44:26 | 0,27             | 0,19             | 0,76             | 3,29                      | 3,30                      | 17,88                     | 1,40   | 1,13   | 1,10   | 0,89             |
| 1280 | 13:44:31 | 0,12             | 0,15             | 0,62             | 3,29                      | 3,30                      | 17,88                     | 1,07   | 1,72   | 2,17   | 0,68             |
| 1281 | 13:44:36 | 0,13             | 0,21             | 0,64             | 3,29                      | 3,30                      | 17,88                     | 2,25   | 2,58   | 1,40   | 0,73             |
| 1282 | 13:44:41 | 0,11             | 0,21             | 0,54             | 3,29                      | 3,30                      | 17,88                     | 1,40   | 1,65   | 1,51   | 0,64             |
| 1283 | 13:44:46 | 0,22             | 0,24             | 0,49             | 3,29                      | 3,30                      | 17,88                     | 1,98   | 1,55   | 1,93   | 0,67             |
| 1284 | 13:44:51 | 0,10             | 0,14             | 0,38             | 3,29                      | 3,30                      | 17,88                     | 3,13   | 3,28   | 3,00   | 0,45             |
| 1285 | 13:44:56 | 0,24             | 0,36             | 0,27             | 3,29                      | 3,31                      | 17,88                     | 1,54   | 2,73   | 1,65   | 0,67             |
| 1286 | 13:45:01 | 0,11             | 0,28             | 0,39             | 3,29                      | 3,31                      | 17,88                     | 1,80   | 0,88   | 2,30   | 0,57             |
| 1287 | 13:45:06 | 0,10             | 0,26             | 0,58             | 3,29                      | 3,31                      | 17,88                     | 1,99   | 2,89   | 1,75   | 0,70             |
| 1288 | 13:45:11 | 0,16             | 0,24             | 0,89             | 3,29                      | 3,31                      | 17,88                     | 1,92   | 1,71   | 1,14   | 0,98             |
| 1289 | 13:45:16 | 0,11             | 0,21             | 0,54             | 3,29                      | 3,31                      | 17,88                     | 1,82   | 1,76   | 1,37   | 0,63             |
| 1290 | 13:45:21 | 0,19             | 0,20             | 0,97             | 3,29                      | 3,31                      | 17,88                     | 1,64   | 2,28   | 1,19   | 1,05             |
| 1291 | 13:45:27 | 0,11             | 0,17             | 0,55             | 3,29                      | 3,31                      | 17,88                     | 3,21   | 2,29   | 2,84   | 0,62             |
| 1292 | 13:45:32 | 0,11             | 0,22             | 0,43             | 3,29                      | 3,31                      | 17,88                     | 2,46   | 1,45   | 3,59   | 0,55             |
| 1293 | 13:45:37 | 0,11             | 0,17             | 0,47             | 3,29                      | 3,31                      | 17,88                     | 1,11   | 2,40   | 1,50   | 0,55             |
| 1294 | 13:45:42 | 0,12             | 0,18             | 0,57             | 3,29                      | 3,31                      | 17,88                     | 1,13   | 2,21   | 3,08   | 0,65             |
| 1295 | 13:45:47 | 0,10             | 0,26             | 0,53             | 3,29                      | 3,31                      | 17,88                     | 1,45   | 1,27   | 1,65   | 0,66             |
| 1296 | 13:45:52 | 0,15             | 0,17             | 0,77             | 3,29                      | 3,31                      | 17,88                     | 1,41   | 2,56   | 2,77   | 0,83             |
| 1297 | 13:45:57 | 0,16             | 0,21             | 0,65             | 3,29                      | 3,31                      | 17,88                     | 2,82   | 1,93   | 1,38   | 0,74             |
| 1298 | 13:46:02 | 0,11             | 0,22             | 0,52             | 3,29                      | 3,31                      | 17,88                     | 1,00   | 2,34   | 1,72   | 0,62             |
| 1299 | 13:46:07 | 0,11             | 0,16             | 0,42             | 3,29                      | 3,31                      | 17,88                     | 1,56   | 1,29   | 1,85   | 0,50             |
| 1300 | 13:46:12 | 0,13             | 0,30             | 0,47             | 3,29                      | 3,31                      | 17,88                     | 1,37   | 2,35   | 2,13   | 0,66             |
| 1301 | 13:46:17 | 0,12             | 0,20             | 0,48             | 3,29                      | 3,31                      | 17,88                     | 1,57   | 1,20   | 1,48   | 0,58             |
| 1302 | 13:46:22 | 0,11             | 0,19             | 0,55             | 3,29                      | 3,31                      | 17,88                     | 2,64   | 2,33   | 4,85   | 0,63             |
| 1303 | 13:46:27 | 0,14             | 0,14             | 0,62             | 3,29                      | 3,31                      | 17,88                     | 1,84   | 0,98   | 1,75   | 0,68             |
| 1304 | 13:46:32 | 0,12             | 0,17             | 0,39             | 3,29                      | 3,31                      | 17,88                     | 1,99   | 2,67   | 3,36   | 0,48             |
| 1305 | 13:46:37 | 0,15             | 0,21             | 0,74             | 3,29                      | 3,31                      | 17,88                     | 2,17   | 1,24   | 1,92   | 0,82             |
| 1306 | 13:46:42 | 0,11             | 0,25             | 0,51             | 3,29                      | 3,31                      | 17,88                     | 1,84   | 2,62   | 2,78   | 0,64             |
| 1307 | 13:46:47 | 0,11             | 0,24             | 0,45             | 3,29                      | 3,31                      | 17,88                     | 2,68   | 1,41   | 3,66   | 0,58             |
| 1308 | 13:46:52 | 0,11             | 0,24             | 0,40             | 3,29                      | 3,31                      | 17,88                     | 1,28   | 1,27   | 2,18   | 0,54             |
| 1309 | 13:46:57 | 0,17             | 0,18             | 0,85             | 3,29                      | 3,31                      | 17,88                     | 1,50   | 1,71   | 1,04   | 0,91             |
| 1310 | 13:47:02 | 0,17             | 0,19             | 0,65             | 3,29                      | 3,31                      | 17,88                     | 1,91   | 2,37   | 2,63   | 0,74             |
| 1311 | 13:47:07 | 0,11             | 0,28             | 0,57             | 3,29                      | 3,31                      | 17,88                     | 1,95   | 1,45   | 1,87   | 0,71             |
| 1312 | 13:47:12 | 0,10             | 0,24             | 0,41             | 3,29                      | 3,31                      | 17,88                     | 1,50   | 1,50   | 1,65   | 0,55             |
| 1313 | 13:47:17 | 0,10             | 0,16             | 0,47             | 3,29                      | 3,31                      | 17,88                     | 1,46   | 1,43   | 2,33   | 0,54             |
| 1314 | 13:47:22 | 0,17             | 0,28             | 0,66             | 3,29                      | 3,31                      | 17,88                     | 1,69   | 1,44   | 2,94   | 0,81             |
| 1315 | 13:47:27 | 0,09             | 0,13             | 0,35             | 3,29                      | 3,31                      | 17,88                     | 2,84   | 2,62   | 3,53   | 0,42             |
| 1316 | 13:47:32 | 0,19             | 0,19             | 0,46             | 3,29                      | 3,31                      | 17,88                     | 1,52   | 2,07   | 2,23   | 0,59             |
| 1317 | 13:47:37 | 0,48             | 0,17             | 0,56             | 3,30                      | 3,31                      | 17,88                     | 3,43   | 2,82   | 1,65   | 0,91             |
| 1318 | 13:47:42 | 0,37             | 0,23             | 0,46             | 3,30                      | 3,31                      | 17,88                     | 3,50   | 0,68   | 2,92   | 0,76             |
| 1319 | 13:47:47 | 0,17             | 0,17             | 0,44             | 3,30                      | 3,31                      | 17,88                     | 1,41   | 1,88   | 2,29   | 0,55             |
| 1320 | 13:47:52 | 0,53             | 0,18             | 0,65             | 3,31                      | 3,31                      | 17,88                     | 1,87   | 1,31   | 0,77   | 1,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1321 | 13:47:57 | 0,46             | 0,24             | 0,43             | 3,32                      | 3,31                      | 17,88                     | 0,37   | 1,26   | 1,87   | 0,84             |
| 1322 | 13:48:02 | 0,22             | 0,17             | 0,42             | 3,32                      | 3,31                      | 17,88                     | 1,12   | 1,40   | 1,60   | 0,58             |
| 1323 | 13:48:07 | 0,15             | 0,12             | 0,34             | 3,32                      | 3,31                      | 17,88                     | 0,86   | 2,36   | 1,99   | 0,43             |
| 1324 | 13:48:12 | 0,08             | 0,11             | 0,33             | 3,32                      | 3,31                      | 17,88                     | 2,09   | 1,60   | 1,68   | 0,38             |
| 1325 | 13:48:17 | 0,06             | 0,13             | 0,34             | 3,32                      | 3,31                      | 17,88                     | 1,62   | 2,41   | 1,78   | 0,39             |
| 1326 | 13:48:22 | 0,07             | 0,11             | 0,28             | 3,32                      | 3,31                      | 17,88                     | 3,14   | 1,75   | 2,25   | 0,34             |
| 1327 | 13:48:27 | 0,05             | 0,10             | 0,26             | 3,32                      | 3,31                      | 17,88                     | 1,95   | 1,08   | 2,39   | 0,31             |
| 1328 | 13:48:32 | 0,07             | 0,14             | 0,39             | 3,32                      | 3,31                      | 17,88                     | 1,88   | 2,52   | 1,83   | 0,45             |
| 1329 | 13:48:37 | 0,12             | 0,13             | 0,31             | 3,32                      | 3,31                      | 17,88                     | 0,86   | 1,93   | 2,45   | 0,39             |
| 1330 | 13:48:42 | 0,13             | 0,13             | 0,36             | 3,32                      | 3,31                      | 17,88                     | 1,69   | 2,29   | 1,66   | 0,45             |
| 1331 | 13:48:47 | 0,40             | 0,17             | 0,88             | 3,32                      | 3,31                      | 17,88                     | 0,48   | 1,55   | 0,71   | 1,06             |
| 1332 | 13:48:52 | 0,10             | 0,08             | 0,25             | 3,32                      | 3,31                      | 17,88                     | 1,88   | 3,08   | 1,78   | 0,31             |
| 1333 | 13:48:57 | 0,10             | 0,11             | 0,27             | 3,32                      | 3,31                      | 17,88                     | 1,14   | 2,07   | 1,61   | 0,34             |
| 1334 | 13:49:03 | 0,17             | 0,28             | 0,37             | 3,32                      | 3,32                      | 17,88                     | 1,11   | 1,27   | 0,90   | 0,59             |
| 1335 | 13:49:08 | 0,07             | 0,08             | 0,23             | 3,32                      | 3,32                      | 17,88                     | 3,71   | 2,59   | 4,21   | 0,27             |
| 1336 | 13:49:13 | 0,10             | 0,08             | 0,18             | 3,32                      | 3,32                      | 17,88                     | 1,71   | 1,51   | 2,74   | 0,26             |
| 1337 | 13:49:18 | 0,12             | 0,30             | 0,38             | 3,32                      | 3,32                      | 17,88                     | 1,44   | 1,69   | 1,27   | 0,59             |
| 1338 | 13:49:23 | 0,24             | 0,16             | 0,29             | 3,32                      | 3,32                      | 17,88                     | 2,49   | 1,62   | 2,58   | 0,50             |
| 1339 | 13:49:28 | 0,14             | 0,13             | 0,23             | 3,32                      | 3,32                      | 17,88                     | 0,92   | 1,44   | 2,31   | 0,35             |
| 1340 | 13:49:33 | 0,19             | 0,10             | 0,27             | 3,32                      | 3,32                      | 17,88                     | 0,62   | 1,48   | 1,62   | 0,41             |
| 1341 | 13:49:38 | 0,06             | 0,09             | 0,26             | 3,32                      | 3,32                      | 17,88                     | 1,98   | 2,69   | 2,59   | 0,30             |
| 1342 | 13:49:43 | 0,16             | 0,12             | 0,28             | 3,32                      | 3,32                      | 17,88                     | 0,52   | 0,87   | 2,55   | 0,40             |
| 1343 | 13:49:48 | 0,11             | 0,36             | 0,25             | 3,32                      | 3,32                      | 17,88                     | 1,43   | 0,87   | 4,43   | 0,59             |
| 1344 | 13:49:53 | 0,06             | 0,04             | 0,13             | 3,32                      | 3,32                      | 17,88                     | 0,29   | 1,58   | 0,57   | 0,17             |
| 1345 | 13:49:58 | 0,01             | 0,02             | 0,02             | 3,32                      | 3,32                      | 17,88                     | 1,90   | 0,62   | 3,31   | 0,04             |
| 1346 | 13:50:03 | 0,01             | 0,01             | 0,03             | 3,32                      | 3,32                      | 17,88                     | 1,57   | 2,68   | 2,33   | 0,03             |
| 1347 | 13:50:08 | 0,01             | 0,01             | 0,16             | 3,32                      | 3,32                      | 17,88                     | 11,76  | 5,17   | 7,68   | 0,16             |
| 1348 | 13:50:13 | 0,01             | 0,02             | 0,07             | 3,32                      | 3,32                      | 17,88                     | 1,14   | 1,68   | 1,84   | 0,08             |
| 1349 | 13:50:18 | 0,06             | 0,04             | 0,35             | 3,32                      | 3,32                      | 17,88                     | 5,58   | 4,39   | 8,25   | 0,36             |
| 1350 | 13:50:23 | 1,46             | 1,71             | 2,35             | 4,12                      | 4,34                      | 17,93                     | 0,12   | 0,09   | 0,11   | 3,93             |
| 1351 | 13:50:28 | 0,54             | 0,90             | 0,71             | 4,16                      | 4,53                      | 17,94                     | 5,75   | 5,10   | 11,66  | 1,64             |
| 1352 | 13:50:33 | 1,07             | 1,97             | 1,36             | 4,21                      | 5,23                      | 17,94                     | 1,06   | 1,64   | 0,88   | 3,42             |
| 1353 | 13:50:38 | 1,36             | 1,89             | 2,08             | 4,42                      | 5,54                      | 17,95                     | 1,08   | 1,99   | 1,78   | 3,86             |
| 1354 | 13:50:43 | 1,38             | 1,28             | 1,84             | 4,55                      | 5,62                      | 17,96                     | 2,39   | 1,18   | 2,89   | 3,21             |
| 1355 | 13:50:48 | 0,68             | 1,28             | 0,98             | 4,57                      | 5,68                      | 17,96                     | 1,04   | 1,86   | 2,10   | 2,26             |
| 1356 | 13:50:53 | 0,79             | 1,13             | 1,40             | 4,59                      | 5,71                      | 17,96                     | 2,61   | 1,45   | 2,90   | 2,39             |
| 1357 | 13:50:58 | 0,64             | 1,68             | 1,32             | 4,62                      | 5,80                      | 17,97                     | 2,35   | 2,26   | 2,88   | 2,84             |
| 1358 | 13:51:03 | 2,47             | 2,20             | 2,15             | 5,73                      | 6,11                      | 17,99                     | 1,80   | 2,51   | 2,65   | 5,11             |
| 1359 | 13:51:08 | 1,76             | 1,73             | 2,09             | 6,09                      | 6,26                      | 18,00                     | 1,10   | 2,82   | 2,46   | 4,05             |
| 1360 | 13:51:13 | 0,89             | 1,85             | 1,85             | 6,10                      | 6,40                      | 18,00                     | 3,03   | 2,02   | 1,97   | 3,42             |
| 1361 | 13:51:18 | 0,97             | 1,79             | 1,51             | 6,13                      | 6,48                      | 18,01                     | 1,63   | 1,35   | 1,80   | 3,23             |
| 1362 | 13:51:23 | 1,07             | 1,52             | 1,80             | 6,15                      | 6,54                      | 18,01                     | 2,16   | 1,57   | 2,14   | 3,16             |
| 1363 | 13:51:28 | 0,73             | 0,86             | 1,58             | 6,15                      | 6,56                      | 18,02                     | 1,29   | 1,88   | 1,54   | 2,24             |
| 1364 | 13:51:33 | 0,73             | 1,23             | 1,48             | 6,16                      | 6,58                      | 18,02                     | 3,75   | 2,48   | 2,33   | 2,49             |
| 1365 | 13:51:38 | 0,87             | 1,55             | 1,37             | 6,17                      | 6,61                      | 18,02                     | 0,99   | 0,91   | 2,13   | 2,84             |
| 1366 | 13:51:43 | 0,70             | 1,67             | 1,52             | 6,18                      | 6,71                      | 18,03                     | 1,18   | 1,87   | 2,00   | 2,96             |
| 1367 | 13:51:48 | 0,56             | 2,05             | 1,25             | 6,18                      | 6,84                      | 18,03                     | 2,87   | 1,69   | 2,76   | 3,22             |
| 1368 | 13:51:53 | 1,48             | 1,17             | 1,22             | 6,23                      | 6,86                      | 18,03                     | 1,30   | 1,16   | 2,75   | 2,91             |
| 1369 | 13:51:58 | 1,10             | 3,06             | 1,97             | 6,26                      | 7,57                      | 18,04                     | 1,08   | 1,02   | 0,89   | 4,96             |
| 1370 | 13:52:03 | 1,33             | 2,00             | 1,42             | 6,31                      | 7,68                      | 18,05                     | 1,77   | 1,34   | 3,62   | 3,66             |
| 1371 | 13:52:08 | 0,48             | 0,53             | 0,88             | 6,31                      | 7,68                      | 18,05                     | 0,30   | 0,42   | 0,40   | 1,33             |
| 1372 | 13:52:13 | 1,02             | 0,77             | 1,10             | 6,34                      | 7,69                      | 18,05                     | 2,03   | 1,38   | 2,12   | 2,10             |
| 1373 | 13:52:18 | 0,76             | 0,95             | 0,92             | 6,35                      | 7,70                      | 18,05                     | 1,92   | 0,56   | 1,77   | 1,94             |
| 1374 | 13:52:23 | 1,00             | 1,49             | 0,86             | 6,36                      | 7,73                      | 18,05                     | 3,21   | 1,86   | 3,02   | 2,65             |
| 1375 | 13:52:28 | 1,14             | 1,33             | 1,72             | 6,38                      | 7,76                      | 18,06                     | 1,27   | 0,82   | 2,26   | 3,00             |

**Análise de exposição à vibração @ VIBRATE SN: 017121007**

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1376 | 13:52:33 | 0,92             | 1,09             | 1,16             | 6,40                      | 7,78                      | 18,06                     | 0,50   | 0,54   | 0,65   | 2,31             |
| 1377 | 13:52:38 | 1,20             | 1,14             | 3,01             | 6,44                      | 7,81                      | 18,16                     | 1,53   | 0,58   | 0,61   | 3,80             |
| 1378 | 13:52:43 | 0,94             | 0,59             | 0,85             | 6,46                      | 7,81                      | 18,16                     | 2,73   | 2,65   | 3,50   | 1,77             |
| 1379 | 13:52:48 | 1,34             | 0,86             | 1,57             | 6,49                      | 7,81                      | 18,17                     | 1,51   | 2,70   | 5,69   | 2,72             |
| 1380 | 13:52:53 | 1,47             | 0,98             | 0,71             | 6,72                      | 7,82                      | 18,17                     | 1,53   | 0,79   | 1,25   | 2,57             |
| 1381 | 13:52:58 | 0,95             | 0,70             | 1,50             | 6,77                      | 7,82                      | 18,23                     | 0,04   | 0,14   | 0,03   | 2,23             |

|                                             |                                                          |
|---------------------------------------------|----------------------------------------------------------|
| Empresa avaliada: MUNICÍPIO DE PATO BRAGADO | Empresa avaliadora: SAO LUCAS MEDICINA E SEG DO TRABALHO |
| Setor: SECRETARIA DE OBRAS                  | Realizado por: ENGª THAIS LUANA GRZEGOZESKI              |
| Funcionário avaliado: MOTORISTA             | Data: 12/08/2025                                         |
| Tipo: VCI                                   | Jornada de trabalho [hh:mm]: 08:00                       |

**Componentes de exposição**

| Evento | arep  | VDVj(X) | VDVj(Y) | VDVj(Z) | FC(X) | FC(Y) | FC(Z) | Tempo de exposição |
|--------|-------|---------|---------|---------|-------|-------|-------|--------------------|
| 1      | 01,02 | 60,31   | 64,36   | 36,46   | 16,69 | 13,31 | 20,25 | 08:00              |

**Resultado da avaliação**

|                                |                                |                                     |
|--------------------------------|--------------------------------|-------------------------------------|
| are [m/s <sup>2</sup> ]: 1,02  | VDVexpj [m/s <sup>1,75</sup> ] | VDVR [m/s <sup>1,75</sup> ]: 125,67 |
| aren [m/s <sup>2</sup> ]: 1,02 | X: 101,70                      |                                     |
| FC: 20,25                      | Y: 108,53                      |                                     |
|                                | Z: 43,92                       |                                     |

**Calibração**

Cert. cal.: CRS0172/2025 21/01/2025

**Observações**

ENGª THAIS LUANA GRZEGOZESKI  
Registro: CREA-PR 147394/D

**Configurações**

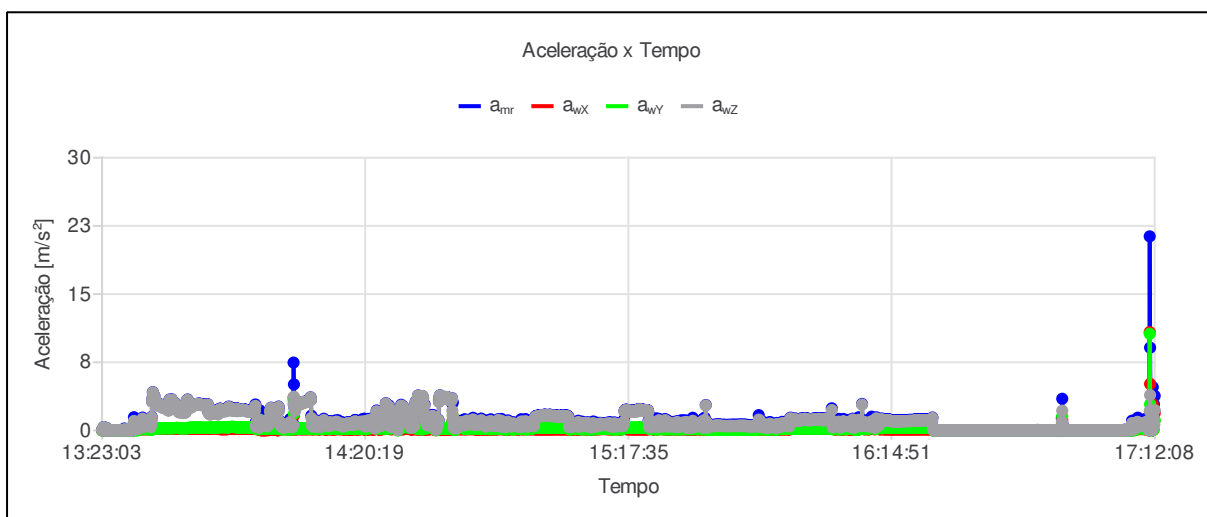
|                                 |                          |                        |
|---------------------------------|--------------------------|------------------------|
| Evento: 1                       | Tarefa: Ensaio03         |                        |
| Ponderação de tempo: Rápida (F) | Ponderação em frequência | Fator de multiplicação |
| Tempo de amostragem [s]: 5      | X: Wd                    | X: 01,40               |
| Início: 13:23:03                | Y: Wd                    | Y: 01,40               |
| Fim: 17:12:08                   | Z: Wk                    | Z: 01,00               |
| Duração: 03:48:02               |                          |                        |
| Tempo de exposição: 08:00:00    |                          |                        |
| Tempo em pausa: 00:00:00        |                          |                        |

**Sensor**

|                  |                      |
|------------------|----------------------|
| Nome: VCI CR-100 | Sensibilidade [mV/g] |
| NS: 00053        | X: 117,00            |
|                  | Y: 115,50            |
|                  | Z: 115,50            |

**Resultados**

|                            |                            |                           |                          |
|----------------------------|----------------------------|---------------------------|--------------------------|
| Aceleração                 |                            |                           |                          |
| Máximo [m/s <sup>2</sup> ] | Mínimo [m/s <sup>2</sup> ] | Média [m/s <sup>2</sup> ] | Pico [m/s <sup>2</sup> ] |
| X: 10,82                   | X: 00,00                   | X: 00,15                  | X: 09,16                 |
| Y: 10,64                   | Y: 00,00                   | Y: 00,20                  | Y: 06,53                 |
| Z: 04,20                   | Z: 00,02                   | Z: 00,93                  | Z: 34,09                 |

**Gráfico**

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 001 | 13:23:03 | 0,02            | 0,01            | 0,04            | 0,04                     | 0,03                     | 0,08                     | 1,22   | 1,47   | 2,23   | 0,05            |
| 002 | 13:23:08 | 0,03            | 0,02            | 0,04            | 0,07                     | 0,04                     | 0,10                     | 3,90   | 2,00   | 5,18   | 0,06            |
| 003 | 13:23:13 | 0,02            | 0,03            | 0,06            | 0,07                     | 0,07                     | 0,17                     | 1,18   | 2,74   | 1,89   | 0,08            |
| 004 | 13:23:18 | 0,01            | 0,04            | 0,09            | 0,07                     | 0,09                     | 0,26                     | 1,19   | 0,93   | 0,91   | 0,11            |
| 005 | 13:23:24 | 0,03            | 0,05            | 0,37            | 0,10                     | 0,16                     | 1,25                     | 0,44   | 0,23   | 0,14   | 0,38            |
| 006 | 13:23:29 | 0,01            | 0,01            | 0,02            | 0,10                     | 0,16                     | 1,25                     | 2,34   | 1,48   | 3,30   | 0,02            |
| 007 | 13:23:34 | 0,00            | 0,01            | 0,02            | 0,10                     | 0,16                     | 1,25                     | 2,10   | 1,99   | 3,31   | 0,02            |
| 008 | 13:23:39 | 0,00            | 0,00            | 0,02            | 0,10                     | 0,16                     | 1,25                     | 2,57   | 2,34   | 3,47   | 0,02            |
| 009 | 13:23:45 | 0,01            | 0,01            | 0,02            | 0,10                     | 0,16                     | 1,25                     | 2,21   | 1,33   | 2,17   | 0,03            |
| 010 | 13:23:50 | 0,01            | 0,02            | 0,14            | 0,10                     | 0,16                     | 1,25                     | 1,13   | 0,96   | 0,57   | 0,15            |
| 011 | 13:23:55 | 0,01            | 0,01            | 0,02            | 0,10                     | 0,16                     | 1,25                     | 2,34   | 2,28   | 1,92   | 0,02            |
| 012 | 13:24:00 | 0,03            | 0,06            | 0,27            | 0,11                     | 0,21                     | 1,30                     | 0,28   | 0,22   | 0,14   | 0,29            |
| 013 | 13:24:05 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,93   | 0,90   | 2,53   | 0,02            |
| 014 | 13:24:10 | 0,00            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 1,90   | 2,00   | 2,24   | 0,02            |
| 015 | 13:24:15 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 1,57   | 2,18   | 2,74   | 0,02            |
| 016 | 13:24:20 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,08   | 1,73   | 2,76   | 0,02            |
| 017 | 13:24:25 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 1,79   | 2,16   | 2,63   | 0,02            |
| 018 | 13:24:30 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,35   | 1,96   | 3,15   | 0,02            |
| 019 | 13:24:35 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,95   | 1,67   | 2,40   | 0,02            |
| 020 | 13:24:40 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,44   | 1,69   | 2,57   | 0,02            |
| 021 | 13:24:45 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,29   | 2,28   | 2,60   | 0,02            |
| 022 | 13:24:50 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 3,00   | 1,45   | 2,53   | 0,02            |
| 023 | 13:24:55 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,04   | 3,67   | 2,82   | 0,02            |
| 024 | 13:25:00 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,50   | 1,69   | 2,25   | 0,02            |
| 025 | 13:25:05 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,88   | 2,14   | 2,72   | 0,02            |
| 026 | 13:25:10 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,75   | 2,27   | 2,96   | 0,02            |
| 027 | 13:25:15 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,19   | 2,58   | 2,43   | 0,02            |
| 028 | 13:25:20 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,45   | 2,26   | 2,70   | 0,02            |
| 029 | 13:25:25 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 1,96   | 1,62   | 3,12   | 0,02            |
| 030 | 13:25:30 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,29   | 3,61   | 3,13   | 0,03            |
| 031 | 13:25:35 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,15   | 2,84   | 2,15   | 0,04            |
| 032 | 13:25:40 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,60   | 2,21   | 3,12   | 0,04            |
| 033 | 13:25:45 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,07   | 3,04   | 2,33   | 0,04            |
| 034 | 13:25:50 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,67   | 2,29   | 3,13   | 0,04            |
| 035 | 13:25:55 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,14   | 2,18   | 2,16   | 0,04            |
| 036 | 13:26:00 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 1,77   | 1,99   | 2,59   | 0,05            |
| 037 | 13:26:05 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,55   | 3,00   | 2,57   | 0,03            |
| 038 | 13:26:10 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 1,85   | 2,27   | 2,21   | 0,04            |
| 039 | 13:26:15 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,32   | 2,51   | 2,42   | 0,04            |
| 040 | 13:26:20 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,55   | 2,20   | 2,26   | 0,04            |
| 041 | 13:26:25 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,24   | 1,94   | 2,69   | 0,04            |
| 042 | 13:26:30 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,01   | 1,73   | 2,47   | 0,04            |
| 043 | 13:26:35 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,83   | 1,76   | 3,49   | 0,04            |
| 044 | 13:26:40 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,14   | 2,08   | 2,39   | 0,03            |
| 045 | 13:26:45 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,09   | 2,77   | 2,43   | 0,04            |
| 046 | 13:26:50 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 1,81   | 2,28   | 2,30   | 0,04            |
| 047 | 13:26:55 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,29   | 1,88   | 2,48   | 0,04            |
| 048 | 13:27:00 | 0,01            | 0,01            | 0,04            | 0,11                     | 0,21                     | 1,30                     | 2,34   | 2,18   | 2,39   | 0,04            |
| 049 | 13:27:05 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,98   | 1,48   | 3,32   | 0,03            |
| 050 | 13:27:10 | 0,01            | 0,01            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 2,53   | 1,82   | 1,84   | 0,03            |
| 051 | 13:27:15 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,01   | 3,22   | 2,18   | 0,02            |
| 052 | 13:27:20 | 0,00            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 3,30   | 2,19   | 3,19   | 0,02            |
| 053 | 13:27:25 | 0,01            | 0,00            | 0,03            | 0,11                     | 0,21                     | 1,30                     | 1,95   | 2,27   | 1,66   | 0,03            |
| 054 | 13:27:30 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,26   | 1,45   | 3,30   | 0,02            |
| 055 | 13:27:35 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,90   | 1,82   | 2,48   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 056 | 13:27:40 | 0,01            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,23   | 1,87   | 2,66   | 0,02            |
| 057 | 13:27:45 | 0,00            | 0,01            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,44   | 1,68   | 3,24   | 0,02            |
| 058 | 13:27:50 | 0,01            | 0,00            | 0,02            | 0,11                     | 0,21                     | 1,30                     | 2,12   | 3,00   | 2,67   | 0,02            |
| 059 | 13:27:55 | 0,05            | 0,12            | 0,12            | 0,14                     | 0,27                     | 1,30                     | 1,96   | 1,93   | 2,75   | 0,22            |
| 060 | 13:28:00 | 0,02            | 0,05            | 0,09            | 0,14                     | 0,28                     | 1,30                     | 0,89   | 0,82   | 0,94   | 0,12            |
| 061 | 13:28:05 | 0,01            | 0,01            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 1,55   | 0,79   | 2,82   | 0,03            |
| 062 | 13:28:10 | 0,00            | 0,01            | 0,03            | 0,14                     | 0,28                     | 1,30                     | 1,84   | 1,71   | 1,50   | 0,03            |
| 063 | 13:28:15 | 0,00            | 0,00            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 3,33   | 2,04   | 2,38   | 0,02            |
| 064 | 13:28:20 | 0,01            | 0,00            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 2,23   | 2,53   | 2,95   | 0,02            |
| 065 | 13:28:25 | 0,00            | 0,01            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 1,64   | 2,64   | 3,94   | 0,02            |
| 066 | 13:28:30 | 0,01            | 0,01            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 1,71   | 2,89   | 3,26   | 0,02            |
| 067 | 13:28:35 | 0,01            | 0,02            | 0,03            | 0,14                     | 0,28                     | 1,30                     | 1,52   | 0,98   | 2,81   | 0,04            |
| 068 | 13:28:40 | 0,01            | 0,03            | 0,06            | 0,14                     | 0,28                     | 1,30                     | 1,56   | 1,40   | 1,94   | 0,07            |
| 069 | 13:28:45 | 0,01            | 0,01            | 0,02            | 0,14                     | 0,28                     | 1,30                     | 1,86   | 1,79   | 1,86   | 0,03            |
| 070 | 13:28:50 | 0,02            | 0,03            | 0,17            | 0,15                     | 0,29                     | 1,34                     | 1,05   | 0,45   | 0,30   | 0,18            |
| 071 | 13:28:55 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 2,26   | 2,18   | 2,00   | 0,03            |
| 072 | 13:29:00 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 1,75   | 1,88   | 2,40   | 0,03            |
| 073 | 13:29:05 | 0,00            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 2,89   | 1,62   | 2,90   | 0,02            |
| 074 | 13:29:10 | 0,00            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 3,29   | 2,56   | 2,72   | 0,03            |
| 075 | 13:29:15 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 1,84   | 1,20   | 3,20   | 0,02            |
| 076 | 13:29:20 | 0,01            | 0,02            | 0,04            | 0,15                     | 0,29                     | 1,34                     | 1,27   | 2,07   | 3,05   | 0,05            |
| 077 | 13:29:25 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 2,32   | 2,50   | 3,22   | 0,03            |
| 078 | 13:29:30 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 2,27   | 1,13   | 3,30   | 0,02            |
| 079 | 13:29:35 | 0,00            | 0,01            | 0,03            | 0,15                     | 0,29                     | 1,34                     | 2,89   | 3,19   | 6,36   | 0,03            |
| 080 | 13:29:40 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 1,33   | 1,10   | 2,08   | 0,03            |
| 081 | 13:29:45 | 0,01            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 2,05   | 1,67   | 2,87   | 0,02            |
| 082 | 13:29:50 | 0,00            | 0,01            | 0,02            | 0,15                     | 0,29                     | 1,34                     | 1,89   | 2,08   | 2,31   | 0,02            |
| 083 | 13:29:55 | 0,01            | 0,02            | 0,09            | 0,15                     | 0,29                     | 1,35                     | 8,53   | 5,74   | 12,03  | 0,09            |
| 084 | 13:30:00 | 0,62            | 0,38            | 1,05            | 1,22                     | 0,78                     | 3,93                     | 2,02   | 2,82   | 1,29   | 1,46            |
| 085 | 13:30:05 | 0,14            | 0,36            | 0,19            | 1,23                     | 0,99                     | 3,93                     | 0,09   | 0,07   | 0,31   | 0,57            |
| 086 | 13:30:10 | 0,10            | 0,13            | 0,38            | 1,23                     | 0,99                     | 3,94                     | 2,24   | 2,30   | 2,15   | 0,45            |
| 087 | 13:30:15 | 0,09            | 0,10            | 0,26            | 1,23                     | 0,99                     | 3,94                     | 1,42   | 0,54   | 1,73   | 0,32            |
| 088 | 13:30:20 | 0,09            | 0,03            | 0,21            | 1,23                     | 0,99                     | 3,94                     | 1,95   | 2,70   | 2,39   | 0,24            |
| 089 | 13:30:25 | 0,08            | 0,04            | 0,22            | 1,23                     | 0,99                     | 3,94                     | 1,87   | 2,07   | 1,85   | 0,26            |
| 090 | 13:30:30 | 0,08            | 0,04            | 0,22            | 1,23                     | 0,99                     | 3,94                     | 1,68   | 2,18   | 1,82   | 0,25            |
| 091 | 13:30:35 | 0,07            | 0,04            | 0,21            | 1,23                     | 0,99                     | 3,94                     | 1,73   | 2,10   | 1,99   | 0,24            |
| 092 | 13:30:40 | 0,06            | 0,04            | 0,22            | 1,23                     | 0,99                     | 3,94                     | 1,66   | 2,25   | 2,00   | 0,24            |
| 093 | 13:30:45 | 0,06            | 0,04            | 0,22            | 1,23                     | 0,99                     | 3,94                     | 2,07   | 2,37   | 2,07   | 0,24            |
| 094 | 13:30:50 | 0,07            | 0,06            | 0,20            | 1,23                     | 0,99                     | 3,94                     | 1,77   | 2,30   | 1,93   | 0,24            |
| 095 | 13:30:55 | 0,06            | 0,04            | 0,17            | 1,23                     | 0,99                     | 3,94                     | 1,87   | 2,31   | 2,23   | 0,19            |
| 096 | 13:31:00 | 0,07            | 0,04            | 0,21            | 1,23                     | 0,99                     | 3,94                     | 2,18   | 1,87   | 2,11   | 0,23            |
| 097 | 13:31:05 | 0,09            | 0,05            | 0,23            | 1,23                     | 0,99                     | 3,94                     | 1,67   | 2,03   | 2,35   | 0,27            |
| 098 | 13:31:10 | 0,11            | 0,14            | 0,71            | 1,23                     | 0,99                     | 3,95                     | 3,05   | 2,95   | 2,29   | 0,75            |
| 099 | 13:31:15 | 0,13            | 0,18            | 0,55            | 1,23                     | 0,99                     | 3,95                     | 2,23   | 2,56   | 2,79   | 0,63            |
| 100 | 13:31:21 | 0,11            | 0,15            | 0,67            | 1,23                     | 0,99                     | 3,96                     | 2,09   | 1,39   | 0,52   | 0,72            |
| 101 | 13:31:26 | 0,29            | 0,16            | 0,34            | 1,25                     | 1,00                     | 3,96                     | 0,81   | 2,04   | 2,90   | 0,57            |
| 102 | 13:31:31 | 0,20            | 0,22            | 0,71            | 1,25                     | 1,01                     | 3,98                     | 1,90   | 2,79   | 2,13   | 0,83            |
| 103 | 13:31:37 | 0,14            | 0,24            | 0,99            | 1,25                     | 1,02                     | 4,02                     | 2,18   | 2,21   | 2,56   | 1,06            |
| 104 | 13:31:42 | 0,29            | 0,26            | 0,91            | 1,28                     | 1,03                     | 4,10                     | 1,60   | 2,31   | 1,38   | 1,06            |
| 105 | 13:31:47 | 0,15            | 0,27            | 1,07            | 1,28                     | 1,04                     | 4,14                     | 2,84   | 1,95   | 2,36   | 1,16            |
| 106 | 13:31:52 | 0,27            | 0,31            | 1,31            | 1,29                     | 1,06                     | 4,25                     | 3,24   | 2,93   | 2,08   | 1,42            |
| 107 | 13:31:57 | 0,15            | 0,21            | 0,45            | 1,29                     | 1,07                     | 4,25                     | 1,60   | 1,63   | 1,24   | 0,58            |
| 108 | 13:32:02 | 0,12            | 0,14            | 0,39            | 1,29                     | 1,07                     | 4,25                     | 2,25   | 3,10   | 2,98   | 0,47            |
| 109 | 13:32:07 | 0,32            | 0,27            | 0,62            | 1,30                     | 1,08                     | 4,26                     | 2,14   | 2,99   | 5,36   | 0,85            |
| 110 | 13:32:12 | 0,23            | 0,24            | 0,56            | 1,31                     | 1,10                     | 4,27                     | 1,80   | 1,71   | 2,04   | 0,73            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 111 | 13:32:17 | 0,15            | 0,20            | 0,55            | 1,31                     | 1,10                     | 4,27                     | 3,01   | 2,18   | 2,29   | 0,65            |
| 112 | 13:32:22 | 0,17            | 0,17            | 0,55            | 1,31                     | 1,11                     | 4,28                     | 2,46   | 1,45   | 2,30   | 0,64            |
| 113 | 13:32:27 | 0,28            | 0,21            | 0,53            | 1,32                     | 1,11                     | 4,28                     | 2,80   | 1,62   | 1,81   | 0,72            |
| 114 | 13:32:32 | 0,16            | 0,15            | 0,45            | 1,32                     | 1,11                     | 4,28                     | 2,44   | 2,59   | 1,84   | 0,54            |
| 115 | 13:32:37 | 0,18            | 0,17            | 0,56            | 1,32                     | 1,12                     | 4,29                     | 1,64   | 2,24   | 2,13   | 0,66            |
| 116 | 13:32:42 | 0,13            | 0,19            | 0,52            | 1,32                     | 1,12                     | 4,29                     | 2,41   | 1,87   | 2,36   | 0,62            |
| 117 | 13:32:47 | 0,15            | 0,18            | 0,54            | 1,33                     | 1,13                     | 4,29                     | 1,81   | 2,38   | 2,05   | 0,63            |
| 118 | 13:32:52 | 0,14            | 0,18            | 0,57            | 1,33                     | 1,13                     | 4,30                     | 2,29   | 1,39   | 2,36   | 0,65            |
| 119 | 13:32:57 | 0,18            | 0,17            | 0,63            | 1,33                     | 1,13                     | 4,30                     | 1,92   | 2,84   | 1,76   | 0,72            |
| 120 | 13:33:02 | 0,22            | 0,20            | 0,68            | 1,33                     | 1,13                     | 4,31                     | 3,08   | 1,90   | 2,52   | 0,80            |
| 121 | 13:33:07 | 0,20            | 0,18            | 0,63            | 1,33                     | 1,14                     | 4,32                     | 2,76   | 1,24   | 3,21   | 0,74            |
| 122 | 13:33:12 | 0,17            | 0,11            | 0,56            | 1,33                     | 1,14                     | 4,33                     | 2,17   | 2,73   | 2,86   | 0,62            |
| 123 | 13:33:17 | 0,13            | 0,18            | 0,56            | 1,33                     | 1,14                     | 4,33                     | 3,62   | 2,54   | 2,55   | 0,64            |
| 124 | 13:33:22 | 0,17            | 0,25            | 0,80            | 1,34                     | 1,15                     | 4,35                     | 1,80   | 2,53   | 1,99   | 0,90            |
| 125 | 13:33:27 | 0,22            | 0,21            | 0,50            | 1,34                     | 1,15                     | 4,35                     | 2,74   | 1,12   | 1,34   | 0,66            |
| 126 | 13:33:32 | 0,18            | 0,09            | 0,48            | 1,35                     | 1,15                     | 4,35                     | 1,68   | 2,02   | 1,53   | 0,56            |
| 127 | 13:33:37 | 0,13            | 0,12            | 0,36            | 1,36                     | 1,16                     | 4,35                     | 2,00   | 3,32   | 1,91   | 0,44            |
| 128 | 13:33:42 | 0,31            | 0,23            | 0,60            | 1,37                     | 1,18                     | 4,36                     | 2,49   | 1,87   | 3,88   | 0,81            |
| 129 | 13:33:47 | 0,30            | 0,12            | 1,06            | 1,38                     | 1,18                     | 4,41                     | 1,61   | 1,32   | 0,92   | 1,15            |
| 130 | 13:33:52 | 0,29            | 0,07            | 1,44            | 1,38                     | 1,18                     | 4,57                     | 1,54   | 1,46   | 2,89   | 1,50            |
| 131 | 13:33:57 | 0,24            | 0,18            | 3,17            | 1,39                     | 1,19                     | 5,97                     | 1,76   | 2,08   | 1,66   | 3,20            |
| 132 | 13:34:02 | 0,21            | 0,25            | 3,53            | 1,39                     | 1,19                     | 7,02                     | 1,75   | 1,87   | 1,87   | 3,56            |
| 133 | 13:34:07 | 0,22            | 0,24            | 4,20            | 1,39                     | 1,20                     | 8,31                     | 1,69   | 1,86   | 1,58   | 4,22            |
| 134 | 13:34:12 | 0,21            | 0,24            | 3,59            | 1,39                     | 1,20                     | 8,80                     | 1,58   | 1,46   | 1,59   | 3,62            |
| 135 | 13:34:17 | 0,22            | 0,22            | 3,77            | 1,39                     | 1,20                     | 9,25                     | 1,61   | 1,57   | 1,53   | 3,79            |
| 136 | 13:34:22 | 0,22            | 0,22            | 3,82            | 1,39                     | 1,20                     | 9,74                     | 1,57   | 1,51   | 1,55   | 3,84            |
| 137 | 13:34:27 | 0,24            | 0,22            | 3,76            | 1,40                     | 1,21                     | 10,06                    | 1,56   | 1,66   | 1,35   | 3,79            |
| 138 | 13:34:32 | 0,24            | 0,23            | 3,10            | 1,40                     | 1,21                     | 10,23                    | 1,59   | 1,65   | 1,59   | 3,14            |
| 139 | 13:34:37 | 0,25            | 0,24            | 3,06            | 1,40                     | 1,21                     | 10,39                    | 1,56   | 1,66   | 1,52   | 3,09            |
| 140 | 13:34:42 | 0,25            | 0,23            | 2,99            | 1,40                     | 1,22                     | 10,51                    | 1,54   | 1,56   | 1,57   | 3,03            |
| 141 | 13:34:47 | 0,25            | 0,23            | 2,89            | 1,41                     | 1,22                     | 10,62                    | 1,56   | 1,65   | 1,64   | 2,93            |
| 142 | 13:34:52 | 0,26            | 0,23            | 2,85            | 1,41                     | 1,22                     | 10,72                    | 2,74   | 2,48   | 1,87   | 2,89            |
| 143 | 13:34:57 | 0,26            | 0,23            | 2,85            | 1,41                     | 1,23                     | 10,83                    | 1,55   | 1,76   | 1,64   | 2,89            |
| 144 | 13:35:02 | 0,25            | 0,24            | 2,85            | 1,41                     | 1,23                     | 10,92                    | 1,64   | 1,64   | 1,58   | 2,89            |
| 145 | 13:35:07 | 0,25            | 0,24            | 2,73            | 1,42                     | 1,23                     | 11,00                    | 1,57   | 1,65   | 1,51   | 2,78            |
| 146 | 13:35:12 | 0,25            | 0,24            | 2,73            | 1,42                     | 1,24                     | 11,08                    | 1,54   | 1,60   | 1,58   | 2,77            |
| 147 | 13:35:17 | 0,25            | 0,25            | 2,94            | 1,42                     | 1,24                     | 11,17                    | 2,83   | 1,71   | 1,76   | 2,98            |
| 148 | 13:35:22 | 0,24            | 0,26            | 2,92            | 1,42                     | 1,24                     | 11,27                    | 1,63   | 1,55   | 1,52   | 2,96            |
| 149 | 13:35:27 | 0,24            | 0,26            | 2,79            | 1,43                     | 1,25                     | 11,35                    | 1,53   | 1,59   | 1,58   | 2,83            |
| 150 | 13:35:32 | 0,24            | 0,26            | 2,80            | 1,43                     | 1,25                     | 11,42                    | 1,54   | 1,64   | 1,69   | 2,85            |
| 151 | 13:35:37 | 0,24            | 0,27            | 2,84            | 1,43                     | 1,26                     | 11,50                    | 1,58   | 1,64   | 1,51   | 2,88            |
| 152 | 13:35:42 | 0,24            | 0,26            | 2,71            | 1,43                     | 1,26                     | 11,57                    | 1,58   | 1,56   | 1,56   | 2,76            |
| 153 | 13:35:47 | 0,24            | 0,26            | 2,68            | 1,43                     | 1,27                     | 11,63                    | 1,56   | 1,61   | 1,57   | 2,72            |
| 154 | 13:35:52 | 0,24            | 0,26            | 2,65            | 1,44                     | 1,27                     | 11,69                    | 1,60   | 1,57   | 1,52   | 2,70            |
| 155 | 13:35:57 | 0,24            | 0,26            | 2,70            | 1,44                     | 1,27                     | 11,75                    | 1,58   | 1,60   | 1,53   | 2,74            |
| 156 | 13:36:02 | 0,23            | 0,25            | 2,59            | 1,44                     | 1,28                     | 11,79                    | 1,53   | 1,57   | 1,55   | 2,63            |
| 157 | 13:36:07 | 0,22            | 0,25            | 2,53            | 1,44                     | 1,28                     | 11,84                    | 2,77   | 1,73   | 1,80   | 2,58            |
| 158 | 13:36:12 | 0,22            | 0,25            | 2,52            | 1,44                     | 1,28                     | 11,89                    | 1,60   | 1,58   | 1,67   | 2,56            |
| 159 | 13:36:17 | 0,22            | 0,26            | 2,52            | 1,44                     | 1,29                     | 11,93                    | 1,52   | 1,57   | 1,64   | 2,56            |
| 160 | 13:36:22 | 0,22            | 0,26            | 2,53            | 1,45                     | 1,29                     | 11,98                    | 1,64   | 1,62   | 1,62   | 2,57            |
| 161 | 13:36:28 | 0,21            | 0,26            | 2,54            | 1,45                     | 1,30                     | 12,03                    | 2,64   | 2,21   | 1,60   | 2,59            |
| 162 | 13:36:33 | 0,21            | 0,25            | 2,52            | 1,45                     | 1,30                     | 12,07                    | 1,54   | 1,63   | 1,64   | 2,56            |
| 163 | 13:36:38 | 0,21            | 0,25            | 2,48            | 1,45                     | 1,30                     | 12,11                    | 1,60   | 1,60   | 1,53   | 2,52            |
| 164 | 13:36:43 | 0,21            | 0,26            | 2,49            | 1,45                     | 1,31                     | 12,15                    | 1,59   | 1,73   | 1,60   | 2,53            |
| 165 | 13:36:48 | 0,21            | 0,26            | 2,47            | 1,45                     | 1,31                     | 12,19                    | 1,71   | 1,72   | 1,77   | 2,51            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 166 | 13:36:53 | 0,21            | 0,26            | 2,41            | 1,45                     | 1,32                     | 12,23                    | 1,54   | 1,59   | 1,65   | 2,45            |
| 167 | 13:36:58 | 0,20            | 0,27            | 2,41            | 1,45                     | 1,32                     | 12,26                    | 1,63   | 1,64   | 1,66   | 2,46            |
| 168 | 13:37:04 | 0,20            | 0,26            | 2,40            | 1,45                     | 1,32                     | 12,29                    | 2,82   | 2,99   | 1,69   | 2,45            |
| 169 | 13:37:09 | 0,21            | 0,26            | 2,35            | 1,46                     | 1,33                     | 12,33                    | 1,53   | 1,62   | 1,60   | 2,40            |
| 170 | 13:37:14 | 0,21            | 0,27            | 2,41            | 1,46                     | 1,33                     | 12,36                    | 1,55   | 1,62   | 1,65   | 2,46            |
| 171 | 13:37:19 | 0,20            | 0,26            | 2,35            | 1,46                     | 1,34                     | 12,39                    | 1,59   | 1,71   | 1,62   | 2,40            |
| 172 | 13:37:24 | 0,20            | 0,26            | 2,25            | 1,46                     | 1,34                     | 12,41                    | 1,59   | 1,59   | 1,62   | 2,30            |
| 173 | 13:37:29 | 0,20            | 0,26            | 2,19            | 1,46                     | 1,34                     | 12,44                    | 1,51   | 1,59   | 1,64   | 2,24            |
| 174 | 13:37:34 | 0,20            | 0,27            | 2,21            | 1,46                     | 1,35                     | 12,46                    | 1,53   | 1,59   | 1,55   | 2,26            |
| 175 | 13:37:39 | 0,21            | 0,26            | 2,87            | 1,46                     | 1,35                     | 12,53                    | 1,57   | 1,58   | 1,90   | 2,91            |
| 176 | 13:37:44 | 0,22            | 0,25            | 3,37            | 1,46                     | 1,35                     | 12,65                    | 1,51   | 1,50   | 1,61   | 3,40            |
| 177 | 13:37:49 | 0,22            | 0,26            | 3,32            | 1,46                     | 1,36                     | 12,76                    | 1,65   | 1,65   | 1,62   | 3,35            |
| 178 | 13:37:54 | 0,22            | 0,26            | 3,24            | 1,47                     | 1,36                     | 12,84                    | 1,66   | 1,52   | 1,63   | 3,27            |
| 179 | 13:37:59 | 0,22            | 0,25            | 3,26            | 1,47                     | 1,36                     | 12,94                    | 1,51   | 1,50   | 1,58   | 3,29            |
| 180 | 13:38:04 | 0,21            | 0,26            | 3,25            | 1,47                     | 1,37                     | 13,04                    | 1,55   | 1,64   | 1,65   | 3,28            |
| 181 | 13:38:09 | 0,21            | 0,26            | 3,35            | 1,47                     | 1,37                     | 13,14                    | 1,66   | 1,58   | 1,66   | 3,38            |
| 182 | 13:38:14 | 0,21            | 0,26            | 3,40            | 1,47                     | 1,37                     | 13,25                    | 1,69   | 1,65   | 1,63   | 3,43            |
| 183 | 13:38:19 | 0,21            | 0,27            | 3,23            | 1,47                     | 1,38                     | 13,33                    | 1,61   | 1,58   | 1,66   | 3,27            |
| 184 | 13:38:24 | 0,21            | 0,27            | 3,14            | 1,47                     | 1,38                     | 13,41                    | 1,62   | 1,63   | 1,65   | 3,18            |
| 185 | 13:38:29 | 0,21            | 0,26            | 3,16            | 1,47                     | 1,38                     | 13,49                    | 1,54   | 1,56   | 1,64   | 3,19            |
| 186 | 13:38:34 | 0,21            | 0,26            | 3,14            | 1,48                     | 1,39                     | 13,56                    | 1,55   | 1,53   | 1,66   | 3,18            |
| 187 | 13:38:39 | 0,22            | 0,27            | 3,07            | 1,48                     | 1,39                     | 13,63                    | 1,59   | 1,54   | 1,63   | 3,11            |
| 188 | 13:38:44 | 0,22            | 0,27            | 2,98            | 1,48                     | 1,39                     | 13,69                    | 1,57   | 1,54   | 1,69   | 3,02            |
| 189 | 13:38:49 | 0,22            | 0,27            | 2,96            | 1,48                     | 1,40                     | 13,73                    | 1,54   | 1,53   | 1,64   | 3,00            |
| 190 | 13:38:54 | 0,22            | 0,27            | 2,91            | 1,48                     | 1,40                     | 13,79                    | 1,57   | 1,52   | 1,67   | 2,95            |
| 191 | 13:38:59 | 0,23            | 0,27            | 2,92            | 1,48                     | 1,40                     | 13,84                    | 1,62   | 1,57   | 1,68   | 2,96            |
| 192 | 13:39:04 | 0,23            | 0,27            | 2,93            | 1,48                     | 1,41                     | 13,89                    | 1,70   | 1,75   | 1,81   | 2,97            |
| 193 | 13:39:09 | 0,23            | 0,28            | 2,72            | 1,49                     | 1,41                     | 13,93                    | 1,55   | 1,55   | 1,47   | 2,77            |
| 194 | 13:39:14 | 0,23            | 0,28            | 2,35            | 1,49                     | 1,41                     | 13,95                    | 1,65   | 1,61   | 1,57   | 2,40            |
| 195 | 13:39:19 | 0,23            | 0,28            | 2,27            | 1,49                     | 1,42                     | 13,97                    | 1,67   | 3,04   | 2,02   | 2,32            |
| 196 | 13:39:24 | 0,22            | 0,28            | 2,33            | 1,49                     | 1,42                     | 13,99                    | 1,55   | 1,62   | 1,63   | 2,38            |
| 197 | 13:39:30 | 0,21            | 0,28            | 2,37            | 1,49                     | 1,43                     | 14,01                    | 3,66   | 1,85   | 1,65   | 2,42            |
| 198 | 13:39:35 | 0,20            | 0,27            | 2,21            | 1,49                     | 1,43                     | 14,03                    | 1,56   | 1,66   | 1,50   | 2,26            |
| 199 | 13:39:40 | 0,20            | 0,27            | 2,08            | 1,49                     | 1,43                     | 14,04                    | 1,57   | 1,62   | 1,55   | 2,13            |
| 200 | 13:39:45 | 0,20            | 0,26            | 2,07            | 1,49                     | 1,44                     | 14,05                    | 1,55   | 1,58   | 1,56   | 2,12            |
| 201 | 13:39:50 | 0,20            | 0,27            | 1,98            | 1,50                     | 1,44                     | 14,06                    | 1,69   | 1,81   | 1,79   | 2,04            |
| 202 | 13:39:55 | 0,21            | 0,26            | 2,01            | 1,50                     | 1,44                     | 14,07                    | 2,27   | 2,54   | 1,78   | 2,06            |
| 203 | 13:40:00 | 0,21            | 0,26            | 2,06            | 1,50                     | 1,45                     | 14,08                    | 1,54   | 1,58   | 1,47   | 2,12            |
| 204 | 13:40:05 | 0,21            | 0,26            | 2,04            | 1,50                     | 1,45                     | 14,09                    | 2,36   | 3,29   | 2,21   | 2,10            |
| 205 | 13:40:11 | 0,21            | 0,26            | 2,05            | 1,50                     | 1,45                     | 14,11                    | 1,63   | 1,57   | 1,62   | 2,10            |
| 206 | 13:40:16 | 0,21            | 0,25            | 2,00            | 1,50                     | 1,46                     | 14,12                    | 1,69   | 1,72   | 1,75   | 2,05            |
| 207 | 13:40:21 | 0,21            | 0,25            | 1,98            | 1,50                     | 1,46                     | 14,13                    | 1,60   | 1,73   | 1,70   | 2,03            |
| 208 | 13:40:26 | 0,21            | 0,25            | 2,03            | 1,50                     | 1,46                     | 14,14                    | 1,86   | 3,29   | 2,13   | 2,08            |
| 209 | 13:40:31 | 0,22            | 0,25            | 1,97            | 1,50                     | 1,46                     | 14,15                    | 1,63   | 1,63   | 1,68   | 2,02            |
| 210 | 13:40:36 | 0,22            | 0,26            | 1,96            | 1,51                     | 1,47                     | 14,15                    | 1,62   | 1,70   | 1,67   | 2,01            |
| 211 | 13:40:41 | 0,22            | 0,26            | 1,95            | 1,51                     | 1,47                     | 14,16                    | 1,54   | 1,53   | 1,56   | 2,01            |
| 212 | 13:40:46 | 0,21            | 0,26            | 1,94            | 1,51                     | 1,47                     | 14,17                    | 1,59   | 1,55   | 1,66   | 2,00            |
| 213 | 13:40:51 | 0,21            | 0,26            | 1,99            | 1,51                     | 1,47                     | 14,18                    | 1,68   | 1,56   | 1,67   | 2,04            |
| 214 | 13:40:56 | 0,22            | 0,26            | 1,98            | 1,51                     | 1,48                     | 14,19                    | 1,67   | 1,74   | 1,62   | 2,04            |
| 215 | 13:41:01 | 0,22            | 0,27            | 1,98            | 1,51                     | 1,48                     | 14,20                    | 1,61   | 1,58   | 1,61   | 2,04            |
| 216 | 13:41:06 | 0,22            | 0,26            | 1,95            | 1,51                     | 1,48                     | 14,21                    | 1,57   | 1,59   | 1,65   | 2,01            |
| 217 | 13:41:11 | 0,22            | 0,26            | 1,99            | 1,51                     | 1,48                     | 14,22                    | 1,59   | 1,61   | 1,62   | 2,04            |
| 218 | 13:41:16 | 0,22            | 0,26            | 2,00            | 1,52                     | 1,49                     | 14,23                    | 1,62   | 1,77   | 1,68   | 2,06            |
| 219 | 13:41:21 | 0,21            | 0,27            | 2,21            | 1,52                     | 1,49                     | 14,25                    | 1,59   | 1,67   | 1,70   | 2,26            |
| 220 | 13:41:26 | 0,21            | 0,26            | 2,93            | 1,52                     | 1,49                     | 14,29                    | 1,62   | 1,66   | 1,75   | 2,96            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 221 | 13:41:31 | 0,21            | 0,25            | 3,27            | 1,52                     | 1,50                     | 14,36                    | 1,61   | 1,76   | 1,61   | 3,30            |
| 222 | 13:41:36 | 0,21            | 0,25            | 3,29            | 1,52                     | 1,50                     | 14,43                    | 1,53   | 1,63   | 1,63   | 3,32            |
| 223 | 13:41:41 | 0,20            | 0,25            | 3,38            | 1,52                     | 1,50                     | 14,50                    | 1,62   | 1,68   | 1,64   | 3,41            |
| 224 | 13:41:46 | 0,20            | 0,26            | 3,15            | 1,52                     | 1,50                     | 14,56                    | 1,60   | 1,78   | 1,22   | 3,18            |
| 225 | 13:41:51 | 0,21            | 0,27            | 2,46            | 1,52                     | 1,51                     | 14,59                    | 1,58   | 1,67   | 1,70   | 2,51            |
| 226 | 13:41:56 | 0,20            | 0,28            | 2,52            | 1,52                     | 1,51                     | 14,61                    | 1,55   | 1,71   | 1,69   | 2,56            |
| 227 | 13:42:01 | 0,20            | 0,30            | 2,45            | 1,52                     | 1,51                     | 14,63                    | 1,77   | 1,59   | 1,67   | 2,50            |
| 228 | 13:42:06 | 0,21            | 0,30            | 2,54            | 1,53                     | 1,52                     | 14,65                    | 1,70   | 1,72   | 1,77   | 2,59            |
| 229 | 13:42:11 | 0,20            | 0,30            | 2,60            | 1,53                     | 1,52                     | 14,68                    | 1,68   | 1,66   | 1,87   | 2,65            |
| 230 | 13:42:16 | 0,21            | 0,30            | 2,59            | 1,53                     | 1,53                     | 14,71                    | 1,69   | 1,63   | 1,74   | 2,64            |
| 231 | 13:42:21 | 0,21            | 0,30            | 2,60            | 1,53                     | 1,53                     | 14,74                    | 3,33   | 3,20   | 1,97   | 2,65            |
| 232 | 13:42:26 | 0,20            | 0,30            | 2,58            | 1,53                     | 1,54                     | 14,75                    | 2,47   | 1,62   | 1,67   | 2,63            |
| 233 | 13:42:31 | 0,20            | 0,30            | 2,54            | 1,53                     | 1,54                     | 14,78                    | 1,75   | 1,62   | 1,83   | 2,59            |
| 234 | 13:42:36 | 0,20            | 0,30            | 2,63            | 1,53                     | 1,54                     | 14,81                    | 1,69   | 1,57   | 1,79   | 2,68            |
| 235 | 13:42:41 | 0,20            | 0,30            | 2,72            | 1,53                     | 1,55                     | 14,84                    | 1,69   | 1,64   | 1,80   | 2,77            |
| 236 | 13:42:46 | 0,20            | 0,30            | 2,70            | 1,53                     | 1,55                     | 14,87                    | 1,65   | 1,61   | 1,69   | 2,75            |
| 237 | 13:42:51 | 0,20            | 0,31            | 2,72            | 1,53                     | 1,56                     | 14,90                    | 1,67   | 1,60   | 1,73   | 2,77            |
| 238 | 13:42:56 | 0,21            | 0,31            | 2,71            | 1,53                     | 1,56                     | 14,93                    | 1,64   | 1,61   | 1,64   | 2,76            |
| 239 | 13:43:01 | 0,21            | 0,31            | 2,73            | 1,54                     | 1,57                     | 14,96                    | 1,63   | 1,59   | 1,70   | 2,78            |
| 240 | 13:43:06 | 0,20            | 0,30            | 2,84            | 1,54                     | 1,57                     | 14,99                    | 1,59   | 1,56   | 1,69   | 2,88            |
| 241 | 13:43:11 | 0,20            | 0,31            | 2,79            | 1,54                     | 1,57                     | 15,03                    | 1,65   | 1,66   | 1,70   | 2,84            |
| 242 | 13:43:16 | 0,21            | 0,31            | 2,85            | 1,54                     | 1,58                     | 15,06                    | 1,64   | 1,67   | 1,69   | 2,90            |
| 243 | 13:43:22 | 0,21            | 0,31            | 2,84            | 1,54                     | 1,58                     | 15,10                    | 1,57   | 1,68   | 1,74   | 2,89            |
| 244 | 13:43:27 | 0,21            | 0,30            | 2,85            | 1,54                     | 1,59                     | 15,13                    | 1,55   | 1,59   | 1,66   | 2,90            |
| 245 | 13:43:32 | 0,21            | 0,30            | 2,83            | 1,54                     | 1,59                     | 15,17                    | 1,57   | 1,64   | 1,66   | 2,88            |
| 246 | 13:43:37 | 0,21            | 0,30            | 2,83            | 1,54                     | 1,59                     | 15,20                    | 1,61   | 1,66   | 1,62   | 2,88            |
| 247 | 13:43:42 | 0,21            | 0,30            | 2,84            | 1,54                     | 1,60                     | 15,24                    | 2,48   | 1,77   | 1,86   | 2,88            |
| 248 | 13:43:47 | 0,21            | 0,31            | 2,88            | 1,54                     | 1,60                     | 15,27                    | 1,69   | 1,68   | 1,70   | 2,93            |
| 249 | 13:43:52 | 0,21            | 0,31            | 2,89            | 1,55                     | 1,61                     | 15,30                    | 1,65   | 1,63   | 1,74   | 2,93            |
| 250 | 13:43:57 | 0,21            | 0,30            | 2,88            | 1,55                     | 1,61                     | 15,34                    | 1,57   | 1,65   | 1,66   | 2,92            |
| 251 | 13:44:02 | 0,21            | 0,30            | 2,88            | 1,55                     | 1,61                     | 15,37                    | 1,65   | 1,64   | 1,77   | 2,92            |
| 252 | 13:44:07 | 0,21            | 0,31            | 2,86            | 1,55                     | 1,62                     | 15,41                    | 1,86   | 1,68   | 1,76   | 2,90            |
| 253 | 13:44:12 | 0,21            | 0,31            | 2,88            | 1,55                     | 1,62                     | 15,45                    | 1,61   | 1,63   | 1,71   | 2,93            |
| 254 | 13:44:17 | 0,21            | 0,31            | 2,91            | 1,55                     | 1,63                     | 15,48                    | 1,63   | 1,59   | 1,65   | 2,95            |
| 255 | 13:44:22 | 0,21            | 0,31            | 2,89            | 1,55                     | 1,63                     | 15,51                    | 1,61   | 1,59   | 1,67   | 2,94            |
| 256 | 13:44:27 | 0,21            | 0,31            | 2,84            | 1,55                     | 1,63                     | 15,55                    | 1,65   | 1,66   | 1,70   | 2,89            |
| 257 | 13:44:32 | 0,21            | 0,31            | 2,81            | 1,55                     | 1,64                     | 15,58                    | 1,59   | 1,64   | 1,60   | 2,86            |
| 258 | 13:44:37 | 0,21            | 0,31            | 2,82            | 1,55                     | 1,64                     | 15,61                    | 1,79   | 1,60   | 1,68   | 2,87            |
| 259 | 13:44:42 | 0,21            | 0,31            | 2,77            | 1,56                     | 1,64                     | 15,63                    | 1,60   | 1,58   | 1,64   | 2,82            |
| 260 | 13:44:47 | 0,21            | 0,30            | 2,82            | 1,56                     | 1,65                     | 15,67                    | 1,60   | 1,63   | 1,72   | 2,86            |
| 261 | 13:44:52 | 0,21            | 0,30            | 2,80            | 1,56                     | 1,65                     | 15,69                    | 1,64   | 1,55   | 1,61   | 2,84            |
| 262 | 13:44:57 | 0,22            | 0,28            | 2,79            | 1,56                     | 1,65                     | 15,72                    | 2,76   | 1,69   | 1,73   | 2,83            |
| 263 | 13:45:02 | 0,22            | 0,28            | 2,80            | 1,56                     | 1,66                     | 15,75                    | 1,87   | 1,73   | 1,64   | 2,85            |
| 264 | 13:45:07 | 0,22            | 0,28            | 2,80            | 1,56                     | 1,66                     | 15,78                    | 1,57   | 1,64   | 1,58   | 2,84            |
| 265 | 13:45:12 | 0,22            | 0,28            | 2,80            | 1,56                     | 1,66                     | 15,80                    | 1,63   | 1,73   | 1,69   | 2,84            |
| 266 | 13:45:17 | 0,23            | 0,29            | 2,77            | 1,56                     | 1,66                     | 15,83                    | 1,88   | 1,68   | 1,67   | 2,81            |
| 267 | 13:45:22 | 0,23            | 0,29            | 2,70            | 1,56                     | 1,67                     | 15,86                    | 1,69   | 1,70   | 1,64   | 2,75            |
| 268 | 13:45:27 | 0,22            | 0,29            | 2,72            | 1,57                     | 1,67                     | 15,88                    | 1,82   | 1,78   | 1,62   | 2,77            |
| 269 | 13:45:32 | 0,22            | 0,29            | 2,74            | 1,57                     | 1,67                     | 15,91                    | 1,60   | 1,64   | 1,61   | 2,79            |
| 270 | 13:45:38 | 0,23            | 0,29            | 2,72            | 1,57                     | 1,68                     | 15,93                    | 1,62   | 1,66   | 1,64   | 2,77            |
| 271 | 13:45:43 | 0,22            | 0,29            | 2,75            | 1,57                     | 1,68                     | 15,96                    | 1,59   | 1,65   | 1,65   | 2,80            |
| 272 | 13:45:48 | 0,22            | 0,29            | 2,79            | 1,57                     | 1,68                     | 15,99                    | 1,57   | 1,63   | 1,58   | 2,83            |
| 273 | 13:45:53 | 0,22            | 0,29            | 2,81            | 1,57                     | 1,68                     | 16,01                    | 1,59   | 1,68   | 1,68   | 2,86            |
| 274 | 13:45:58 | 0,22            | 0,29            | 2,83            | 1,57                     | 1,69                     | 16,04                    | 1,56   | 1,64   | 1,72   | 2,88            |
| 275 | 13:46:03 | 0,22            | 0,30            | 2,83            | 1,57                     | 1,69                     | 16,07                    | 1,55   | 1,66   | 1,57   | 2,88            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 276 | 13:46:08 | 0,23            | 0,30            | 2,66            | 1,58                     | 1,69                     | 16,09                    | 1,57   | 1,60   | 1,53   | 2,71            |
| 277 | 13:46:13 | 0,23            | 0,29            | 1,94            | 1,58                     | 1,70                     | 16,10                    | 1,55   | 1,68   | 1,63   | 2,01            |
| 278 | 13:46:18 | 0,23            | 0,29            | 1,88            | 1,58                     | 1,70                     | 16,11                    | 1,59   | 1,64   | 1,78   | 1,95            |
| 279 | 13:46:23 | 0,22            | 0,29            | 1,84            | 1,58                     | 1,70                     | 16,11                    | 1,57   | 1,64   | 1,79   | 1,91            |
| 280 | 13:46:28 | 0,22            | 0,29            | 1,79            | 1,58                     | 1,70                     | 16,12                    | 1,57   | 1,68   | 1,71   | 1,86            |
| 281 | 13:46:33 | 0,23            | 0,30            | 1,80            | 1,58                     | 1,71                     | 16,12                    | 1,52   | 1,63   | 1,78   | 1,87            |
| 282 | 13:46:38 | 0,23            | 0,30            | 1,74            | 1,58                     | 1,71                     | 16,12                    | 1,54   | 1,63   | 1,78   | 1,82            |
| 283 | 13:46:43 | 0,23            | 0,30            | 1,84            | 1,58                     | 1,71                     | 16,13                    | 1,58   | 1,64   | 1,74   | 1,92            |
| 284 | 13:46:48 | 0,24            | 0,30            | 1,90            | 1,59                     | 1,72                     | 16,14                    | 1,55   | 1,62   | 1,63   | 1,98            |
| 285 | 13:46:53 | 0,22            | 0,31            | 1,93            | 1,59                     | 1,72                     | 16,14                    | 1,60   | 1,66   | 1,63   | 2,01            |
| 286 | 13:46:58 | 0,22            | 0,31            | 2,00            | 1,59                     | 1,72                     | 16,15                    | 1,59   | 1,63   | 1,70   | 2,07            |
| 287 | 13:47:03 | 0,25            | 0,31            | 1,94            | 1,59                     | 1,73                     | 16,15                    | 1,59   | 1,68   | 1,69   | 2,02            |
| 288 | 13:47:08 | 0,27            | 0,30            | 2,03            | 1,59                     | 1,73                     | 16,16                    | 1,53   | 1,62   | 1,73   | 2,11            |
| 289 | 13:47:13 | 0,27            | 0,30            | 2,14            | 1,60                     | 1,73                     | 16,17                    | 1,59   | 1,65   | 1,70   | 2,21            |
| 290 | 13:47:18 | 0,27            | 0,31            | 2,02            | 1,60                     | 1,74                     | 16,18                    | 1,47   | 1,69   | 1,55   | 2,11            |
| 291 | 13:47:23 | 0,26            | 0,32            | 1,91            | 1,60                     | 1,74                     | 16,18                    | 1,51   | 1,68   | 1,61   | 2,00            |
| 292 | 13:47:28 | 0,26            | 0,32            | 1,86            | 1,60                     | 1,74                     | 16,19                    | 1,45   | 1,66   | 1,55   | 1,95            |
| 293 | 13:47:33 | 0,26            | 0,31            | 1,87            | 1,60                     | 1,75                     | 16,19                    | 1,46   | 1,68   | 1,63   | 1,95            |
| 294 | 13:47:38 | 0,24            | 0,32            | 1,99            | 1,61                     | 1,75                     | 16,20                    | 1,54   | 1,67   | 1,61   | 2,07            |
| 295 | 13:47:43 | 0,24            | 0,31            | 2,06            | 1,61                     | 1,75                     | 16,21                    | 1,57   | 1,74   | 1,62   | 2,13            |
| 296 | 13:47:48 | 0,24            | 0,31            | 2,11            | 1,61                     | 1,76                     | 16,22                    | 1,57   | 1,70   | 1,52   | 2,18            |
| 297 | 13:47:53 | 0,25            | 0,31            | 2,06            | 1,61                     | 1,76                     | 16,22                    | 1,52   | 1,66   | 1,61   | 2,14            |
| 298 | 13:47:58 | 0,25            | 0,31            | 2,02            | 1,61                     | 1,76                     | 16,23                    | 1,49   | 1,69   | 1,58   | 2,10            |
| 299 | 13:48:03 | 0,24            | 0,30            | 2,02            | 1,61                     | 1,77                     | 16,24                    | 1,49   | 1,72   | 1,61   | 2,09            |
| 300 | 13:48:08 | 0,23            | 0,31            | 1,99            | 1,61                     | 1,77                     | 16,24                    | 1,51   | 1,74   | 1,62   | 2,06            |
| 301 | 13:48:14 | 0,22            | 0,31            | 1,79            | 1,62                     | 1,77                     | 16,25                    | 3,54   | 1,74   | 1,66   | 1,87            |
| 302 | 13:48:19 | 0,19            | 0,33            | 1,77            | 1,62                     | 1,78                     | 16,25                    | 1,42   | 1,73   | 1,77   | 1,85            |
| 303 | 13:48:24 | 0,19            | 0,37            | 2,06            | 1,62                     | 1,78                     | 16,26                    | 1,62   | 1,68   | 1,87   | 2,14            |
| 304 | 13:48:29 | 0,17            | 0,38            | 2,22            | 1,62                     | 1,79                     | 16,27                    | 1,74   | 1,69   | 1,75   | 2,29            |
| 305 | 13:48:34 | 0,16            | 0,38            | 2,24            | 1,62                     | 1,80                     | 16,28                    | 1,60   | 1,57   | 1,80   | 2,31            |
| 306 | 13:48:39 | 0,16            | 0,36            | 2,30            | 1,62                     | 1,80                     | 16,29                    | 1,64   | 1,67   | 1,81   | 2,37            |
| 307 | 13:48:44 | 0,16            | 0,37            | 2,35            | 1,62                     | 1,81                     | 16,31                    | 1,56   | 1,66   | 1,76   | 2,41            |
| 308 | 13:48:49 | 0,15            | 0,37            | 2,33            | 1,62                     | 1,81                     | 16,32                    | 1,61   | 1,65   | 1,72   | 2,39            |
| 309 | 13:48:54 | 0,15            | 0,37            | 2,26            | 1,62                     | 1,82                     | 16,33                    | 1,67   | 1,66   | 1,79   | 2,33            |
| 310 | 13:48:59 | 0,15            | 0,37            | 2,28            | 1,62                     | 1,82                     | 16,34                    | 1,65   | 1,65   | 1,68   | 2,34            |
| 311 | 13:49:04 | 0,15            | 0,37            | 2,27            | 1,62                     | 1,83                     | 16,35                    | 1,67   | 1,64   | 1,72   | 2,33            |
| 312 | 13:49:09 | 0,15            | 0,37            | 2,20            | 1,62                     | 1,84                     | 16,36                    | 1,73   | 1,62   | 1,66   | 2,27            |
| 313 | 13:49:14 | 0,15            | 0,37            | 2,12            | 1,62                     | 1,84                     | 16,37                    | 1,72   | 1,76   | 1,71   | 2,19            |
| 314 | 13:49:19 | 0,15            | 0,37            | 2,11            | 1,62                     | 1,85                     | 16,38                    | 1,71   | 1,62   | 1,77   | 2,19            |
| 315 | 13:49:24 | 0,15            | 0,37            | 2,12            | 1,62                     | 1,85                     | 16,39                    | 1,68   | 1,61   | 1,63   | 2,19            |
| 316 | 13:49:29 | 0,15            | 0,37            | 2,10            | 1,62                     | 1,86                     | 16,39                    | 1,69   | 1,65   | 1,75   | 2,17            |
| 317 | 13:49:34 | 0,15            | 0,37            | 2,13            | 1,62                     | 1,86                     | 16,40                    | 1,74   | 1,69   | 1,76   | 2,20            |
| 318 | 13:49:39 | 0,15            | 0,37            | 2,13            | 1,62                     | 1,87                     | 16,41                    | 2,91   | 1,63   | 1,77   | 2,21            |
| 319 | 13:49:44 | 0,15            | 0,37            | 2,16            | 1,62                     | 1,87                     | 16,42                    | 1,67   | 1,64   | 1,75   | 2,23            |
| 320 | 13:49:49 | 0,15            | 0,37            | 2,13            | 1,62                     | 1,88                     | 16,43                    | 1,65   | 1,60   | 1,66   | 2,20            |
| 321 | 13:49:54 | 0,15            | 0,37            | 2,11            | 1,62                     | 1,88                     | 16,44                    | 1,67   | 1,58   | 1,66   | 2,19            |
| 322 | 13:49:59 | 0,15            | 0,37            | 2,15            | 1,62                     | 1,89                     | 16,45                    | 1,67   | 1,60   | 1,74   | 2,22            |
| 323 | 13:50:04 | 0,15            | 0,36            | 2,14            | 1,62                     | 1,89                     | 16,45                    | 1,70   | 1,58   | 1,69   | 2,21            |
| 324 | 13:50:09 | 0,15            | 0,37            | 2,14            | 1,62                     | 1,90                     | 16,46                    | 1,68   | 1,60   | 1,70   | 2,21            |
| 325 | 13:50:14 | 0,15            | 0,36            | 2,15            | 1,62                     | 1,90                     | 16,47                    | 1,76   | 1,60   | 1,67   | 2,22            |
| 326 | 13:50:19 | 0,16            | 0,36            | 2,26            | 1,62                     | 1,91                     | 16,48                    | 1,68   | 1,58   | 1,65   | 2,33            |
| 327 | 13:50:24 | 0,16            | 0,36            | 2,37            | 1,62                     | 1,91                     | 16,50                    | 1,74   | 1,57   | 1,64   | 2,43            |
| 328 | 13:50:29 | 0,16            | 0,36            | 2,42            | 1,62                     | 1,92                     | 16,51                    | 1,66   | 1,60   | 1,69   | 2,49            |
| 329 | 13:50:34 | 0,17            | 0,36            | 2,52            | 1,62                     | 1,92                     | 16,53                    | 1,72   | 1,62   | 1,60   | 2,58            |
| 330 | 13:50:39 | 0,18            | 0,35            | 2,57            | 1,62                     | 1,92                     | 16,54                    | 1,62   | 1,67   | 1,60   | 2,63            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 331 | 13:50:44 | 0,18            | 0,36            | 2,42            | 1,62                     | 1,93                     | 16,56                    | 1,55   | 1,64   | 1,64   | 2,48            |
| 332 | 13:50:49 | 0,18            | 0,37            | 2,52            | 1,63                     | 1,93                     | 16,57                    | 1,55   | 1,58   | 1,67   | 2,58            |
| 333 | 13:50:54 | 0,17            | 0,38            | 2,47            | 1,63                     | 1,94                     | 16,59                    | 1,67   | 1,57   | 1,60   | 2,54            |
| 334 | 13:50:59 | 0,17            | 0,39            | 2,44            | 1,63                     | 1,94                     | 16,60                    | 1,66   | 1,54   | 1,72   | 2,52            |
| 335 | 13:51:04 | 0,17            | 0,39            | 2,42            | 1,63                     | 1,95                     | 16,62                    | 1,70   | 1,55   | 1,63   | 2,49            |
| 336 | 13:51:09 | 0,17            | 0,39            | 2,35            | 1,63                     | 1,96                     | 16,63                    | 1,74   | 1,59   | 1,68   | 2,42            |
| 337 | 13:51:14 | 0,17            | 0,39            | 2,28            | 1,63                     | 1,96                     | 16,64                    | 1,66   | 1,60   | 1,68   | 2,36            |
| 338 | 13:51:19 | 0,17            | 0,39            | 2,24            | 1,63                     | 1,97                     | 16,65                    | 1,69   | 1,64   | 1,66   | 2,31            |
| 339 | 13:51:24 | 0,17            | 0,39            | 2,20            | 1,63                     | 1,97                     | 16,66                    | 1,72   | 1,48   | 1,70   | 2,28            |
| 340 | 13:51:29 | 0,17            | 0,39            | 2,19            | 1,63                     | 1,98                     | 16,67                    | 1,68   | 1,61   | 1,65   | 2,27            |
| 341 | 13:51:34 | 0,17            | 0,39            | 2,16            | 1,63                     | 1,98                     | 16,68                    | 1,76   | 1,59   | 1,67   | 2,24            |
| 342 | 13:51:39 | 0,17            | 0,38            | 2,23            | 1,63                     | 1,99                     | 16,69                    | 1,65   | 1,53   | 1,74   | 2,30            |
| 343 | 13:51:44 | 0,16            | 0,39            | 2,35            | 1,63                     | 1,99                     | 16,70                    | 1,70   | 1,59   | 1,65   | 2,42            |
| 344 | 13:51:49 | 0,16            | 0,39            | 2,26            | 1,63                     | 2,00                     | 16,71                    | 1,70   | 1,47   | 1,70   | 2,34            |
| 345 | 13:51:54 | 0,18            | 0,38            | 2,19            | 1,63                     | 2,00                     | 16,72                    | 1,66   | 1,52   | 1,67   | 2,27            |
| 346 | 13:51:59 | 0,18            | 0,38            | 2,20            | 1,63                     | 2,01                     | 16,73                    | 1,64   | 1,51   | 1,73   | 2,28            |
| 347 | 13:52:04 | 0,18            | 0,37            | 2,25            | 1,63                     | 2,01                     | 16,74                    | 1,62   | 1,53   | 1,79   | 2,33            |
| 348 | 13:52:09 | 0,19            | 0,37            | 2,30            | 1,63                     | 2,02                     | 16,75                    | 1,59   | 1,55   | 1,78   | 2,37            |
| 349 | 13:52:14 | 0,19            | 0,36            | 2,40            | 1,63                     | 2,02                     | 16,76                    | 1,58   | 1,51   | 1,74   | 2,46            |
| 350 | 13:52:19 | 0,19            | 0,35            | 2,37            | 1,63                     | 2,02                     | 16,77                    | 1,59   | 1,52   | 1,67   | 2,44            |
| 351 | 13:52:24 | 0,19            | 0,35            | 2,11            | 1,63                     | 2,03                     | 16,78                    | 1,56   | 1,50   | 1,77   | 2,18            |
| 352 | 13:52:29 | 0,19            | 0,35            | 2,16            | 1,63                     | 2,03                     | 16,79                    | 1,57   | 1,53   | 1,69   | 2,23            |
| 353 | 13:52:34 | 0,20            | 0,35            | 2,33            | 1,63                     | 2,03                     | 16,80                    | 1,57   | 1,55   | 1,70   | 2,39            |
| 354 | 13:52:39 | 0,20            | 0,34            | 2,29            | 1,64                     | 2,04                     | 16,81                    | 1,53   | 1,52   | 1,63   | 2,35            |
| 355 | 13:52:44 | 0,19            | 0,34            | 2,28            | 1,64                     | 2,04                     | 16,82                    | 1,55   | 1,54   | 1,68   | 2,34            |
| 356 | 13:52:49 | 0,19            | 0,34            | 2,26            | 1,64                     | 2,04                     | 16,83                    | 1,57   | 1,55   | 1,71   | 2,32            |
| 357 | 13:52:54 | 0,19            | 0,35            | 2,27            | 1,64                     | 2,04                     | 16,84                    | 1,45   | 1,56   | 1,80   | 2,34            |
| 358 | 13:52:59 | 0,18            | 0,35            | 2,29            | 1,64                     | 2,05                     | 16,85                    | 1,55   | 1,47   | 1,67   | 2,36            |
| 359 | 13:53:04 | 0,18            | 0,35            | 2,25            | 1,64                     | 2,05                     | 16,86                    | 1,58   | 1,51   | 1,62   | 2,31            |
| 360 | 13:53:09 | 0,18            | 0,35            | 2,18            | 1,64                     | 2,05                     | 16,87                    | 1,56   | 1,50   | 1,71   | 2,24            |
| 361 | 13:53:14 | 0,18            | 0,35            | 2,18            | 1,64                     | 2,06                     | 16,88                    | 1,62   | 1,54   | 1,73   | 2,25            |
| 362 | 13:53:19 | 0,18            | 0,35            | 2,23            | 1,64                     | 2,06                     | 16,89                    | 1,73   | 1,60   | 1,78   | 2,30            |
| 363 | 13:53:24 | 0,18            | 0,35            | 2,25            | 1,64                     | 2,06                     | 16,90                    | 1,62   | 1,51   | 1,71   | 2,31            |
| 364 | 13:53:29 | 0,17            | 0,35            | 2,27            | 1,64                     | 2,07                     | 16,91                    | 1,57   | 1,52   | 1,79   | 2,34            |
| 365 | 13:53:34 | 0,17            | 0,35            | 2,27            | 1,64                     | 2,07                     | 16,92                    | 1,59   | 1,46   | 1,67   | 2,33            |
| 366 | 13:53:39 | 0,17            | 0,35            | 2,29            | 1,64                     | 2,07                     | 16,93                    | 1,57   | 1,56   | 1,70   | 2,36            |
| 367 | 13:53:44 | 0,17            | 0,35            | 2,29            | 1,64                     | 2,08                     | 16,94                    | 1,61   | 1,55   | 1,72   | 2,35            |
| 368 | 13:53:49 | 0,17            | 0,35            | 2,24            | 1,64                     | 2,08                     | 16,95                    | 1,52   | 1,51   | 1,62   | 2,31            |
| 369 | 13:53:55 | 0,17            | 0,35            | 2,24            | 1,64                     | 2,08                     | 16,96                    | 1,58   | 1,47   | 1,69   | 2,31            |
| 370 | 13:54:00 | 0,17            | 0,35            | 2,27            | 1,64                     | 2,09                     | 16,97                    | 1,57   | 1,48   | 1,68   | 2,34            |
| 371 | 13:54:05 | 0,17            | 0,36            | 2,24            | 1,64                     | 2,09                     | 16,98                    | 1,56   | 1,54   | 1,63   | 2,30            |
| 372 | 13:54:10 | 0,17            | 0,36            | 2,19            | 1,64                     | 2,09                     | 16,99                    | 1,56   | 1,56   | 1,78   | 2,26            |
| 373 | 13:54:15 | 0,18            | 0,35            | 2,21            | 1,64                     | 2,10                     | 17,00                    | 1,59   | 1,54   | 1,69   | 2,28            |
| 374 | 13:54:20 | 0,18            | 0,35            | 2,19            | 1,64                     | 2,10                     | 17,01                    | 1,56   | 1,53   | 1,76   | 2,26            |
| 375 | 13:54:25 | 0,18            | 0,35            | 2,16            | 1,64                     | 2,10                     | 17,02                    | 1,53   | 1,50   | 1,66   | 2,23            |
| 376 | 13:54:30 | 0,17            | 0,35            | 2,12            | 1,65                     | 2,10                     | 17,03                    | 1,56   | 1,49   | 1,68   | 2,19            |
| 377 | 13:54:35 | 0,17            | 0,35            | 2,10            | 1,65                     | 2,11                     | 17,03                    | 1,59   | 1,61   | 1,70   | 2,17            |
| 378 | 13:54:40 | 0,17            | 0,35            | 2,14            | 1,65                     | 2,11                     | 17,04                    | 1,55   | 1,53   | 1,69   | 2,21            |
| 379 | 13:54:45 | 0,18            | 0,35            | 2,09            | 1,65                     | 2,11                     | 17,05                    | 1,56   | 1,53   | 1,70   | 2,16            |
| 380 | 13:54:50 | 0,18            | 0,35            | 2,08            | 1,65                     | 2,12                     | 17,06                    | 1,58   | 1,55   | 1,62   | 2,15            |
| 381 | 13:54:55 | 0,18            | 0,35            | 2,04            | 1,65                     | 2,12                     | 17,06                    | 1,60   | 1,55   | 1,70   | 2,11            |
| 382 | 13:55:00 | 0,18            | 0,35            | 2,10            | 1,65                     | 2,12                     | 17,07                    | 3,21   | 2,30   | 1,92   | 2,17            |
| 383 | 13:55:05 | 0,18            | 0,35            | 2,14            | 1,65                     | 2,12                     | 17,08                    | 1,56   | 1,58   | 1,67   | 2,21            |
| 384 | 13:55:10 | 0,18            | 0,35            | 2,13            | 1,65                     | 2,13                     | 17,09                    | 1,60   | 1,53   | 1,63   | 2,19            |
| 385 | 13:55:15 | 0,18            | 0,35            | 2,12            | 1,65                     | 2,13                     | 17,09                    | 1,58   | 1,56   | 1,72   | 2,18            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 386 | 13:55:20 | 0,18            | 0,35            | 2,07            | 1,65                     | 2,13                     | 17,10                    | 1,62   | 1,57   | 1,70   | 2,14            |
| 387 | 13:55:25 | 0,18            | 0,35            | 2,01            | 1,65                     | 2,14                     | 17,11                    | 1,60   | 1,62   | 1,71   | 2,09            |
| 388 | 13:55:30 | 0,18            | 0,35            | 2,02            | 1,65                     | 2,14                     | 17,11                    | 1,55   | 1,56   | 1,73   | 2,10            |
| 389 | 13:55:35 | 0,18            | 0,35            | 2,08            | 1,65                     | 2,14                     | 17,12                    | 1,61   | 1,57   | 1,74   | 2,15            |
| 390 | 13:55:40 | 0,18            | 0,35            | 2,06            | 1,65                     | 2,14                     | 17,13                    | 1,56   | 1,54   | 1,70   | 2,13            |
| 391 | 13:55:45 | 0,18            | 0,35            | 2,06            | 1,65                     | 2,15                     | 17,13                    | 1,54   | 1,51   | 1,66   | 2,13            |
| 392 | 13:55:50 | 0,18            | 0,36            | 2,13            | 1,65                     | 2,15                     | 17,14                    | 1,53   | 1,54   | 1,69   | 2,21            |
| 393 | 13:55:55 | 0,17            | 0,36            | 2,11            | 1,65                     | 2,15                     | 17,15                    | 1,60   | 1,65   | 1,78   | 2,19            |
| 394 | 13:56:00 | 0,18            | 0,36            | 2,11            | 1,65                     | 2,16                     | 17,16                    | 2,85   | 1,95   | 1,66   | 2,18            |
| 395 | 13:56:05 | 0,18            | 0,35            | 2,11            | 1,65                     | 2,16                     | 17,16                    | 1,58   | 1,53   | 1,70   | 2,18            |
| 396 | 13:56:10 | 0,17            | 0,36            | 2,19            | 1,65                     | 2,16                     | 17,17                    | 1,56   | 1,58   | 1,74   | 2,26            |
| 397 | 13:56:15 | 0,17            | 0,36            | 2,21            | 1,65                     | 2,16                     | 17,18                    | 2,61   | 1,98   | 1,85   | 2,28            |
| 398 | 13:56:20 | 0,17            | 0,36            | 2,18            | 1,65                     | 2,17                     | 17,19                    | 1,60   | 1,56   | 1,81   | 2,25            |
| 399 | 13:56:25 | 0,29            | 0,57            | 2,71            | 1,66                     | 2,20                     | 17,23                    | 4,87   | 3,95   | 3,96   | 2,86            |
| 400 | 13:56:30 | 0,36            | 0,40            | 0,48            | 1,70                     | 2,21                     | 17,23                    | 1,27   | 0,66   | 1,38   | 0,89            |
| 401 | 13:56:35 | 0,16            | 0,16            | 0,38            | 1,70                     | 2,22                     | 17,23                    | 2,77   | 1,70   | 1,85   | 0,49            |
| 402 | 13:56:40 | 0,33            | 0,23            | 0,51            | 1,70                     | 2,22                     | 17,23                    | 1,38   | 2,03   | 2,91   | 0,76            |
| 403 | 13:56:45 | 0,20            | 0,35            | 0,98            | 1,71                     | 2,22                     | 17,23                    | 1,69   | 2,17   | 2,12   | 1,13            |
| 404 | 13:56:50 | 0,12            | 0,25            | 0,73            | 1,71                     | 2,22                     | 17,23                    | 2,41   | 2,43   | 1,71   | 0,82            |
| 405 | 13:56:55 | 0,16            | 0,21            | 0,69            | 1,71                     | 2,22                     | 17,23                    | 1,93   | 1,56   | 1,43   | 0,79            |
| 406 | 13:57:00 | 0,19            | 0,21            | 0,87            | 1,71                     | 2,22                     | 17,23                    | 2,48   | 2,90   | 2,43   | 0,95            |
| 407 | 13:57:05 | 0,18            | 0,20            | 1,17            | 1,71                     | 2,22                     | 17,23                    | 3,82   | 2,39   | 1,94   | 1,23            |
| 408 | 13:57:10 | 0,18            | 0,14            | 0,67            | 1,71                     | 2,22                     | 17,23                    | 0,95   | 1,01   | 1,40   | 0,74            |
| 409 | 13:57:15 | 0,09            | 0,13            | 0,30            | 1,71                     | 2,22                     | 17,23                    | 2,86   | 3,78   | 3,04   | 0,37            |
| 410 | 13:57:20 | 0,32            | 0,29            | 1,10            | 1,72                     | 2,22                     | 17,23                    | 1,11   | 1,85   | 1,44   | 1,25            |
| 411 | 13:57:25 | 0,60            | 1,19            | 1,15            | 1,90                     | 3,41                     | 17,24                    | 0,18   | 0,32   | 0,95   | 2,20            |
| 412 | 13:57:30 | 0,07            | 0,20            | 0,86            | 1,90                     | 3,41                     | 17,24                    | 1,18   | 1,55   | 1,37   | 0,91            |
| 413 | 13:57:35 | 0,03            | 0,19            | 0,58            | 1,90                     | 3,41                     | 17,24                    | 2,37   | 1,69   | 2,34   | 0,64            |
| 414 | 13:57:40 | 0,04            | 0,20            | 0,56            | 1,90                     | 3,41                     | 17,24                    | 2,72   | 1,69   | 2,15   | 0,63            |
| 415 | 13:57:45 | 0,04            | 0,20            | 0,54            | 1,90                     | 3,41                     | 17,24                    | 2,25   | 1,74   | 2,18   | 0,62            |
| 416 | 13:57:50 | 0,04            | 0,21            | 0,56            | 1,90                     | 3,41                     | 17,24                    | 2,20   | 1,75   | 2,06   | 0,64            |
| 417 | 13:57:55 | 0,04            | 0,21            | 0,55            | 1,90                     | 3,41                     | 17,24                    | 2,44   | 1,66   | 2,06   | 0,63            |
| 418 | 13:58:00 | 0,04            | 0,21            | 0,55            | 1,90                     | 3,41                     | 17,24                    | 1,84   | 1,75   | 1,83   | 0,63            |
| 419 | 13:58:05 | 0,04            | 0,21            | 0,55            | 1,90                     | 3,41                     | 17,24                    | 2,44   | 1,66   | 2,23   | 0,62            |
| 420 | 13:58:10 | 0,04            | 0,21            | 0,65            | 1,90                     | 3,41                     | 17,24                    | 2,79   | 1,77   | 2,23   | 0,71            |
| 421 | 13:58:15 | 0,04            | 0,22            | 0,76            | 1,90                     | 3,41                     | 17,24                    | 2,52   | 1,69   | 2,12   | 0,82            |
| 422 | 13:58:20 | 0,03            | 0,23            | 0,79            | 1,90                     | 3,41                     | 17,24                    | 2,24   | 1,72   | 2,19   | 0,86            |
| 423 | 13:58:25 | 0,04            | 0,24            | 0,86            | 1,90                     | 3,41                     | 17,24                    | 2,24   | 1,66   | 1,94   | 0,93            |
| 424 | 13:58:30 | 0,03            | 0,24            | 0,94            | 1,90                     | 3,41                     | 17,24                    | 2,54   | 1,66   | 2,09   | 1,00            |
| 425 | 13:58:35 | 0,03            | 0,23            | 1,00            | 1,90                     | 3,41                     | 17,24                    | 2,59   | 1,69   | 1,81   | 1,06            |
| 426 | 13:58:40 | 0,03            | 0,23            | 1,01            | 1,90                     | 3,41                     | 17,24                    | 2,71   | 1,57   | 1,80   | 1,06            |
| 427 | 13:58:45 | 0,05            | 0,24            | 0,76            | 1,90                     | 3,41                     | 17,24                    | 2,00   | 1,50   | 1,74   | 0,84            |
| 428 | 13:58:50 | 0,05            | 0,24            | 0,86            | 1,90                     | 3,41                     | 17,24                    | 2,19   | 1,59   | 1,75   | 0,93            |
| 429 | 13:58:55 | 0,06            | 0,25            | 0,74            | 1,90                     | 3,41                     | 17,24                    | 1,91   | 1,64   | 1,70   | 0,82            |
| 430 | 13:59:00 | 0,05            | 0,26            | 0,52            | 1,90                     | 3,41                     | 17,24                    | 1,64   | 1,60   | 2,02   | 0,63            |
| 431 | 13:59:05 | 0,05            | 0,25            | 0,46            | 1,90                     | 3,41                     | 17,24                    | 1,73   | 1,52   | 2,06   | 0,58            |
| 432 | 13:59:10 | 0,04            | 0,25            | 0,67            | 1,90                     | 3,41                     | 17,24                    | 2,74   | 1,88   | 3,25   | 0,75            |
| 433 | 13:59:15 | 0,05            | 0,22            | 0,80            | 1,90                     | 3,41                     | 17,24                    | 1,82   | 1,48   | 1,65   | 0,86            |
| 434 | 13:59:21 | 0,05            | 0,23            | 0,74            | 1,90                     | 3,41                     | 17,24                    | 1,81   | 1,59   | 1,87   | 0,81            |
| 435 | 13:59:26 | 0,05            | 0,25            | 0,90            | 1,90                     | 3,41                     | 17,24                    | 3,24   | 2,11   | 2,41   | 0,97            |
| 436 | 13:59:31 | 0,09            | 0,27            | 1,41            | 1,90                     | 3,41                     | 17,24                    | 3,34   | 1,90   | 2,87   | 1,46            |
| 437 | 13:59:36 | 0,10            | 0,23            | 2,10            | 1,90                     | 3,41                     | 17,25                    | 1,95   | 1,95   | 1,82   | 2,12            |
| 438 | 13:59:41 | 0,12            | 0,26            | 2,12            | 1,90                     | 3,41                     | 17,26                    | 1,87   | 1,66   | 1,76   | 2,16            |
| 439 | 13:59:46 | 0,12            | 0,25            | 2,40            | 1,90                     | 3,41                     | 17,27                    | 1,58   | 1,63   | 1,65   | 2,43            |
| 440 | 13:59:51 | 0,12            | 0,25            | 2,48            | 1,90                     | 3,41                     | 17,28                    | 1,61   | 1,66   | 1,48   | 2,51            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 441 | 13:59:56 | 0,13            | 0,24            | 2,32            | 1,90                     | 3,41                     | 17,29                    | 2,48   | 1,76   | 1,67   | 2,35            |
| 442 | 14:00:01 | 0,11            | 0,22            | 1,83            | 1,90                     | 3,41                     | 17,30                    | 1,67   | 1,62   | 1,52   | 1,86            |
| 443 | 14:00:07 | 0,12            | 0,23            | 1,68            | 1,90                     | 3,41                     | 17,30                    | 3,00   | 3,43   | 1,69   | 1,71            |
| 444 | 14:00:12 | 0,12            | 0,24            | 1,49            | 1,90                     | 3,41                     | 17,30                    | 1,74   | 1,60   | 1,69   | 1,54            |
| 445 | 14:00:17 | 0,12            | 0,23            | 1,45            | 1,90                     | 3,41                     | 17,30                    | 1,74   | 1,66   | 1,54   | 1,50            |
| 446 | 14:00:22 | 0,12            | 0,24            | 1,31            | 1,90                     | 3,41                     | 17,30                    | 1,76   | 1,59   | 1,83   | 1,36            |
| 447 | 14:00:27 | 0,12            | 0,23            | 1,39            | 1,90                     | 3,41                     | 17,31                    | 1,72   | 1,64   | 1,76   | 1,44            |
| 448 | 14:00:32 | 0,10            | 0,24            | 1,38            | 1,90                     | 3,41                     | 17,31                    | 1,67   | 1,71   | 1,74   | 1,43            |
| 449 | 14:00:37 | 0,09            | 0,28            | 1,39            | 1,90                     | 3,41                     | 17,31                    | 1,58   | 1,64   | 1,66   | 1,44            |
| 450 | 14:00:42 | 0,09            | 0,27            | 1,44            | 1,90                     | 3,41                     | 17,31                    | 1,88   | 1,53   | 1,65   | 1,49            |
| 451 | 14:00:47 | 0,08            | 0,26            | 1,42            | 1,90                     | 3,41                     | 17,31                    | 1,92   | 1,59   | 1,71   | 1,47            |
| 452 | 14:00:52 | 0,09            | 0,26            | 1,28            | 1,90                     | 3,41                     | 17,31                    | 1,96   | 1,57   | 1,73   | 1,34            |
| 453 | 14:00:57 | 0,09            | 0,26            | 1,20            | 1,90                     | 3,41                     | 17,31                    | 1,94   | 1,53   | 1,78   | 1,27            |
| 454 | 14:01:02 | 0,09            | 0,25            | 1,29            | 1,90                     | 3,41                     | 17,31                    | 1,91   | 1,48   | 1,90   | 1,34            |
| 455 | 14:01:07 | 0,05            | 0,24            | 1,20            | 1,90                     | 3,41                     | 17,32                    | 1,50   | 1,56   | 2,17   | 1,25            |
| 456 | 14:01:12 | 0,03            | 0,23            | 1,30            | 1,90                     | 3,41                     | 17,32                    | 1,68   | 1,55   | 1,77   | 1,34            |
| 457 | 14:01:18 | 0,02            | 0,24            | 1,22            | 1,90                     | 3,41                     | 17,32                    | 2,11   | 1,63   | 1,79   | 1,26            |
| 458 | 14:01:24 | 0,03            | 0,24            | 1,18            | 1,90                     | 3,41                     | 17,32                    | 5,32   | 1,85   | 2,40   | 1,23            |
| 459 | 14:01:29 | 0,13            | 0,28            | 2,59            | 1,90                     | 3,41                     | 17,35                    | 4,52   | 4,02   | 4,48   | 2,63            |
| 460 | 14:01:34 | 0,49            | 0,35            | 2,15            | 1,94                     | 3,42                     | 17,36                    | 2,34   | 2,50   | 0,39   | 2,31            |
| 461 | 14:01:39 | 0,17            | 0,37            | 0,86            | 1,94                     | 3,42                     | 17,36                    | 1,65   | 1,84   | 2,27   | 1,03            |
| 462 | 14:01:44 | 0,09            | 0,23            | 0,94            | 1,94                     | 3,42                     | 17,36                    | 1,78   | 2,29   | 2,00   | 1,00            |
| 463 | 14:01:49 | 0,10            | 0,25            | 0,59            | 1,94                     | 3,42                     | 17,36                    | 1,68   | 1,17   | 1,20   | 0,70            |
| 464 | 14:01:54 | 0,21            | 0,17            | 0,48            | 1,94                     | 3,42                     | 17,36                    | 1,60   | 1,61   | 2,47   | 0,61            |
| 465 | 14:01:59 | 0,13            | 0,11            | 0,49            | 1,94                     | 3,42                     | 17,36                    | 1,87   | 2,50   | 2,79   | 0,55            |
| 466 | 14:02:04 | 0,24            | 0,17            | 0,51            | 1,94                     | 3,42                     | 17,36                    | 1,14   | 2,59   | 1,64   | 0,66            |
| 467 | 14:02:09 | 0,21            | 0,23            | 0,50            | 1,94                     | 3,42                     | 17,36                    | 1,47   | 1,68   | 1,13   | 0,66            |
| 468 | 14:02:14 | 0,25            | 0,17            | 0,45            | 1,95                     | 3,42                     | 17,36                    | 0,96   | 1,38   | 1,34   | 0,61            |
| 469 | 14:02:19 | 0,16            | 0,13            | 0,35            | 1,95                     | 3,42                     | 17,36                    | 3,28   | 2,81   | 3,95   | 0,45            |
| 470 | 14:02:24 | 0,13            | 0,17            | 0,43            | 1,95                     | 3,42                     | 17,36                    | 2,64   | 2,62   | 3,05   | 0,53            |
| 471 | 14:02:29 | 0,22            | 0,16            | 0,48            | 1,95                     | 3,42                     | 17,36                    | 3,24   | 2,40   | 2,99   | 0,61            |
| 472 | 14:02:34 | 0,17            | 0,20            | 0,70            | 1,95                     | 3,42                     | 17,36                    | 2,59   | 1,37   | 2,04   | 0,78            |
| 473 | 14:02:39 | 0,19            | 0,20            | 0,29            | 1,95                     | 3,42                     | 17,36                    | 1,73   | 2,27   | 2,58   | 0,48            |
| 474 | 14:02:44 | 0,15            | 0,14            | 0,48            | 1,95                     | 3,42                     | 17,36                    | 2,17   | 2,00   | 2,82   | 0,56            |
| 475 | 14:02:49 | 0,17            | 0,20            | 0,52            | 1,95                     | 3,42                     | 17,36                    | 1,60   | 2,97   | 2,32   | 0,64            |
| 476 | 14:02:54 | 0,15            | 0,19            | 0,58            | 1,95                     | 3,42                     | 17,36                    | 4,22   | 3,56   | 3,64   | 0,67            |
| 477 | 14:02:59 | 0,17            | 0,22            | 0,43            | 1,95                     | 3,42                     | 17,36                    | 1,50   | 1,66   | 2,08   | 0,58            |
| 478 | 14:03:04 | 0,19            | 0,13            | 0,42            | 1,95                     | 3,42                     | 17,36                    | 2,22   | 2,99   | 3,10   | 0,53            |
| 479 | 14:03:09 | 0,11            | 0,18            | 0,44            | 1,95                     | 3,42                     | 17,36                    | 2,54   | 2,28   | 2,71   | 0,53            |
| 480 | 14:03:14 | 0,19            | 0,18            | 0,56            | 1,95                     | 3,42                     | 17,36                    | 1,77   | 2,31   | 2,02   | 0,67            |
| 481 | 14:03:19 | 0,17            | 0,20            | 0,64            | 1,95                     | 3,42                     | 17,36                    | 3,16   | 3,03   | 2,45   | 0,73            |
| 482 | 14:03:24 | 0,28            | 0,24            | 0,51            | 1,96                     | 3,42                     | 17,36                    | 1,20   | 1,70   | 2,20   | 0,72            |
| 483 | 14:03:29 | 0,17            | 0,13            | 0,52            | 1,96                     | 3,42                     | 17,36                    | 1,38   | 2,31   | 1,83   | 0,60            |
| 484 | 14:03:34 | 0,13            | 0,13            | 0,43            | 1,96                     | 3,42                     | 17,36                    | 1,77   | 2,99   | 2,11   | 0,50            |
| 485 | 14:03:39 | 0,12            | 0,10            | 0,43            | 1,96                     | 3,42                     | 17,36                    | 2,59   | 1,08   | 2,14   | 0,48            |
| 486 | 14:03:44 | 0,14            | 0,19            | 0,64            | 1,96                     | 3,42                     | 17,36                    | 1,92   | 2,95   | 2,68   | 0,72            |
| 487 | 14:03:49 | 0,21            | 0,27            | 0,40            | 1,96                     | 3,42                     | 17,36                    | 1,88   | 3,05   | 3,51   | 0,63            |
| 488 | 14:03:54 | 0,13            | 0,31            | 0,46            | 1,96                     | 3,42                     | 17,36                    | 2,86   | 2,31   | 2,47   | 0,66            |
| 489 | 14:03:59 | 0,51            | 0,33            | 0,92            | 1,99                     | 3,42                     | 17,36                    | 1,47   | 2,89   | 1,98   | 1,26            |
| 490 | 14:04:04 | 0,17            | 0,17            | 0,46            | 1,99                     | 3,42                     | 17,36                    | 1,50   | 2,35   | 1,88   | 0,57            |
| 491 | 14:04:09 | 0,13            | 0,14            | 0,45            | 1,99                     | 3,42                     | 17,36                    | 2,69   | 1,82   | 2,75   | 0,52            |
| 492 | 14:04:14 | 0,17            | 0,15            | 0,45            | 1,99                     | 3,42                     | 17,36                    | 2,70   | 2,60   | 2,52   | 0,55            |
| 493 | 14:04:19 | 0,16            | 0,23            | 0,40            | 1,99                     | 3,42                     | 17,36                    | 2,48   | 2,04   | 2,96   | 0,56            |
| 494 | 14:04:24 | 0,12            | 0,23            | 0,39            | 1,99                     | 3,42                     | 17,36                    | 2,17   | 0,90   | 2,92   | 0,53            |
| 495 | 14:04:29 | 0,10            | 0,11            | 0,36            | 1,99                     | 3,42                     | 17,36                    | 2,33   | 2,32   | 2,62   | 0,42            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 496 | 14:04:34 | 0,15            | 0,34            | 0,49            | 1,99                     | 3,43                     | 17,36                    | 3,17   | 1,83   | 3,68   | 0,71            |
| 497 | 14:04:39 | 0,22            | 0,22            | 0,58            | 2,00                     | 3,43                     | 17,36                    | 1,33   | 2,52   | 1,47   | 0,73            |
| 498 | 14:04:44 | 3,63            | 3,32            | 2,92            | 8,17                     | 8,77                     | 19,66                    | 1,79   | 0,61   | 2,32   | 7,47            |
| 499 | 14:04:49 | 1,64            | 1,84            | 3,72            | 8,33                     | 9,01                     | 20,38                    | 0,36   | 0,47   | 1,55   | 5,07            |
| 500 | 14:04:54 | 0,15            | 0,14            | 2,53            | 8,33                     | 9,01                     | 20,39                    | 1,52   | 1,64   | 1,96   | 2,54            |
| 501 | 14:04:59 | 0,14            | 0,21            | 2,85            | 8,33                     | 9,01                     | 20,41                    | 1,87   | 1,83   | 1,80   | 2,88            |
| 502 | 14:05:04 | 0,14            | 0,23            | 2,18            | 8,33                     | 9,01                     | 20,41                    | 1,65   | 1,61   | 1,79   | 2,22            |
| 503 | 14:05:09 | 0,13            | 0,22            | 2,82            | 8,33                     | 9,01                     | 20,43                    | 1,78   | 1,61   | 1,77   | 2,84            |
| 504 | 14:05:14 | 0,14            | 0,23            | 2,92            | 8,33                     | 9,01                     | 20,44                    | 1,78   | 1,63   | 1,63   | 2,95            |
| 505 | 14:05:19 | 0,14            | 0,23            | 2,85            | 8,33                     | 9,01                     | 20,46                    | 1,77   | 1,62   | 1,68   | 2,88            |
| 506 | 14:05:25 | 0,15            | 0,24            | 2,87            | 8,33                     | 9,01                     | 20,47                    | 1,73   | 1,64   | 1,74   | 2,90            |
| 507 | 14:05:30 | 0,15            | 0,24            | 2,80            | 8,33                     | 9,01                     | 20,49                    | 1,59   | 1,62   | 1,67   | 2,83            |
| 508 | 14:05:35 | 0,15            | 0,24            | 2,89            | 8,33                     | 9,01                     | 20,50                    | 2,84   | 2,76   | 1,79   | 2,91            |
| 509 | 14:05:40 | 0,16            | 0,24            | 2,91            | 8,33                     | 9,01                     | 20,52                    | 1,63   | 1,57   | 1,71   | 2,94            |
| 510 | 14:05:45 | 0,16            | 0,24            | 2,87            | 8,33                     | 9,01                     | 20,53                    | 1,64   | 1,55   | 1,76   | 2,89            |
| 511 | 14:05:50 | 0,16            | 0,23            | 2,97            | 8,33                     | 9,01                     | 20,55                    | 1,65   | 1,56   | 1,74   | 3,00            |
| 512 | 14:05:55 | 0,16            | 0,24            | 2,83            | 8,33                     | 9,01                     | 20,56                    | 1,60   | 1,51   | 1,75   | 2,86            |
| 513 | 14:06:00 | 0,16            | 0,24            | 2,92            | 8,33                     | 9,01                     | 20,58                    | 1,77   | 1,54   | 1,74   | 2,95            |
| 514 | 14:06:05 | 0,15            | 0,24            | 2,93            | 8,33                     | 9,01                     | 20,59                    | 1,65   | 1,56   | 1,78   | 2,96            |
| 515 | 14:06:11 | 0,15            | 0,24            | 2,94            | 8,33                     | 9,01                     | 20,61                    | 2,41   | 3,36   | 1,89   | 2,97            |
| 516 | 14:06:16 | 0,15            | 0,24            | 2,89            | 8,33                     | 9,01                     | 20,63                    | 1,64   | 1,54   | 1,83   | 2,92            |
| 517 | 14:06:21 | 0,15            | 0,23            | 3,03            | 8,33                     | 9,01                     | 20,64                    | 1,65   | 1,57   | 1,71   | 3,05            |
| 518 | 14:06:26 | 0,15            | 0,24            | 3,05            | 8,33                     | 9,01                     | 20,66                    | 1,56   | 1,54   | 1,67   | 3,07            |
| 519 | 14:06:31 | 0,15            | 0,24            | 3,07            | 8,33                     | 9,01                     | 20,68                    | 1,70   | 1,49   | 1,75   | 3,09            |
| 520 | 14:06:36 | 0,15            | 0,24            | 3,09            | 8,33                     | 9,01                     | 20,70                    | 1,64   | 1,49   | 1,72   | 3,11            |
| 521 | 14:06:41 | 0,15            | 0,24            | 3,06            | 8,33                     | 9,01                     | 20,72                    | 1,66   | 1,47   | 1,75   | 3,09            |
| 522 | 14:06:46 | 0,15            | 0,23            | 3,12            | 8,33                     | 9,01                     | 20,74                    | 1,74   | 1,55   | 1,73   | 3,15            |
| 523 | 14:06:51 | 0,15            | 0,24            | 3,09            | 8,33                     | 9,01                     | 20,76                    | 1,63   | 1,51   | 1,69   | 3,11            |
| 524 | 14:06:56 | 0,15            | 0,24            | 3,09            | 8,33                     | 9,01                     | 20,78                    | 1,73   | 1,49   | 1,73   | 3,12            |
| 525 | 14:07:01 | 0,15            | 0,24            | 3,10            | 8,33                     | 9,01                     | 20,80                    | 1,62   | 1,56   | 1,70   | 3,12            |
| 526 | 14:07:06 | 0,15            | 0,23            | 3,08            | 8,33                     | 9,01                     | 20,82                    | 1,65   | 1,48   | 1,73   | 3,10            |
| 527 | 14:07:11 | 0,16            | 0,23            | 3,13            | 8,33                     | 9,01                     | 20,84                    | 3,22   | 2,52   | 1,78   | 3,15            |
| 528 | 14:07:16 | 0,15            | 0,24            | 3,10            | 8,33                     | 9,01                     | 20,85                    | 1,63   | 1,53   | 1,67   | 3,13            |
| 529 | 14:07:21 | 0,15            | 0,25            | 3,11            | 8,33                     | 9,01                     | 20,87                    | 1,60   | 1,49   | 1,69   | 3,14            |
| 530 | 14:07:26 | 0,15            | 0,25            | 3,12            | 8,33                     | 9,01                     | 20,89                    | 1,62   | 1,57   | 1,68   | 3,15            |
| 531 | 14:07:31 | 0,15            | 0,24            | 3,15            | 8,33                     | 9,01                     | 20,91                    | 1,60   | 1,52   | 1,70   | 3,18            |
| 532 | 14:07:36 | 0,16            | 0,24            | 3,19            | 8,33                     | 9,01                     | 20,93                    | 2,08   | 2,78   | 2,25   | 3,21            |
| 533 | 14:07:41 | 0,16            | 0,24            | 3,20            | 8,33                     | 9,01                     | 20,95                    | 1,68   | 1,54   | 1,70   | 3,23            |
| 534 | 14:07:46 | 0,15            | 0,25            | 3,21            | 8,33                     | 9,01                     | 20,97                    | 1,69   | 1,49   | 1,67   | 3,23            |
| 535 | 14:07:51 | 0,15            | 0,25            | 3,22            | 8,33                     | 9,01                     | 21,00                    | 1,65   | 1,58   | 1,70   | 3,24            |
| 536 | 14:07:56 | 0,15            | 0,25            | 3,24            | 8,33                     | 9,01                     | 21,02                    | 1,65   | 1,48   | 1,72   | 3,27            |
| 537 | 14:08:01 | 0,15            | 0,24            | 3,24            | 8,33                     | 9,01                     | 21,04                    | 1,68   | 1,47   | 1,70   | 3,27            |
| 538 | 14:08:06 | 0,16            | 0,23            | 3,28            | 8,33                     | 9,01                     | 21,06                    | 1,64   | 1,50   | 1,70   | 3,31            |
| 539 | 14:08:11 | 0,16            | 0,23            | 3,31            | 8,33                     | 9,01                     | 21,09                    | 1,63   | 1,53   | 1,67   | 3,34            |
| 540 | 14:08:16 | 0,16            | 0,23            | 3,34            | 8,33                     | 9,01                     | 21,11                    | 1,73   | 1,49   | 1,71   | 3,37            |
| 541 | 14:08:21 | 0,17            | 0,22            | 3,45            | 8,33                     | 9,01                     | 21,14                    | 1,75   | 1,49   | 1,74   | 3,47            |
| 542 | 14:08:26 | 0,17            | 0,22            | 3,63            | 8,33                     | 9,01                     | 21,17                    | 1,59   | 3,54   | 2,04   | 3,65            |
| 543 | 14:08:31 | 0,17            | 0,24            | 3,36            | 8,33                     | 9,01                     | 21,20                    | 1,96   | 2,44   | 1,62   | 3,38            |
| 544 | 14:08:36 | 0,41            | 0,46            | 1,38            | 8,33                     | 9,01                     | 21,20                    | 1,25   | 1,44   | 1,61   | 1,63            |
| 545 | 14:08:41 | 0,10            | 0,17            | 0,55            | 8,33                     | 9,01                     | 21,20                    | 1,89   | 1,67   | 1,48   | 0,62            |
| 546 | 14:08:46 | 0,17            | 0,19            | 0,93            | 8,33                     | 9,01                     | 21,20                    | 1,01   | 1,46   | 0,98   | 0,99            |
| 547 | 14:08:51 | 0,22            | 0,16            | 0,48            | 8,33                     | 9,01                     | 21,20                    | 1,56   | 1,96   | 2,54   | 0,61            |
| 548 | 14:08:56 | 0,31            | 0,32            | 0,49            | 8,33                     | 9,01                     | 21,20                    | 1,58   | 2,42   | 2,22   | 0,80            |
| 549 | 14:09:01 | 0,21            | 0,28            | 0,80            | 8,33                     | 9,01                     | 21,20                    | 1,99   | 1,01   | 0,92   | 0,94            |
| 550 | 14:09:06 | 0,20            | 0,28            | 0,40            | 8,33                     | 9,01                     | 21,20                    | 3,80   | 1,11   | 3,06   | 0,62            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 551 | 14:09:12 | 0,12            | 0,13            | 0,46            | 8,33                     | 9,01                     | 21,20                    | 2,31   | 2,30   | 2,34   | 0,53            |
| 552 | 14:09:18 | 0,16            | 0,18            | 0,52            | 8,33                     | 9,01                     | 21,20                    | 2,38   | 2,25   | 2,95   | 0,62            |
| 553 | 14:09:23 | 0,14            | 0,32            | 0,57            | 8,33                     | 9,01                     | 21,20                    | 2,67   | 1,90   | 3,72   | 0,75            |
| 554 | 14:09:28 | 0,20            | 0,21            | 0,78            | 8,33                     | 9,01                     | 21,20                    | 1,71   | 1,92   | 2,43   | 0,88            |
| 555 | 14:09:33 | 0,17            | 0,18            | 0,73            | 8,33                     | 9,01                     | 21,20                    | 2,23   | 1,75   | 1,32   | 0,81            |
| 556 | 14:09:38 | 0,25            | 0,26            | 1,00            | 8,33                     | 9,01                     | 21,21                    | 1,30   | 1,89   | 2,01   | 1,12            |
| 557 | 14:09:43 | 0,37            | 0,27            | 0,81            | 8,34                     | 9,01                     | 21,21                    | 2,52   | 2,35   | 1,68   | 1,04            |
| 558 | 14:09:48 | 0,24            | 0,20            | 0,57            | 8,34                     | 9,01                     | 21,21                    | 1,81   | 2,14   | 1,74   | 0,71            |
| 559 | 14:09:53 | 0,23            | 0,19            | 0,52            | 8,34                     | 9,01                     | 21,21                    | 1,11   | 1,12   | 1,99   | 0,67            |
| 560 | 14:09:58 | 0,17            | 0,18            | 0,43            | 8,34                     | 9,01                     | 21,21                    | 1,80   | 1,99   | 2,75   | 0,55            |
| 561 | 14:10:03 | 0,11            | 0,14            | 0,44            | 8,34                     | 9,01                     | 21,21                    | 3,43   | 1,76   | 3,13   | 0,50            |
| 562 | 14:10:08 | 0,20            | 0,27            | 0,72            | 8,34                     | 9,01                     | 21,21                    | 2,06   | 1,68   | 1,91   | 0,86            |
| 563 | 14:10:13 | 0,13            | 0,20            | 0,54            | 8,34                     | 9,01                     | 21,21                    | 1,38   | 2,20   | 2,23   | 0,63            |
| 564 | 14:10:18 | 0,13            | 0,16            | 0,47            | 8,34                     | 9,01                     | 21,21                    | 1,93   | 2,03   | 2,12   | 0,55            |
| 565 | 14:10:23 | 0,18            | 0,27            | 0,44            | 8,34                     | 9,01                     | 21,21                    | 2,71   | 4,74   | 4,44   | 0,63            |
| 566 | 14:10:28 | 0,12            | 0,40            | 0,56            | 8,34                     | 9,01                     | 21,21                    | 2,13   | 0,65   | 1,74   | 0,81            |
| 567 | 14:10:33 | 0,24            | 0,21            | 0,52            | 8,34                     | 9,01                     | 21,21                    | 1,84   | 1,70   | 2,09   | 0,69            |
| 568 | 14:10:38 | 0,35            | 0,34            | 0,79            | 8,34                     | 9,01                     | 21,21                    | 0,56   | 0,69   | 1,03   | 1,05            |
| 569 | 14:10:43 | 0,16            | 0,18            | 0,38            | 8,34                     | 9,01                     | 21,21                    | 1,64   | 1,08   | 3,11   | 0,50            |
| 570 | 14:10:48 | 0,15            | 0,25            | 0,58            | 8,34                     | 9,01                     | 21,21                    | 2,53   | 2,52   | 2,35   | 0,71            |
| 571 | 14:10:53 | 0,15            | 0,22            | 0,58            | 8,34                     | 9,01                     | 21,21                    | 2,63   | 1,92   | 3,09   | 0,69            |
| 572 | 14:10:58 | 0,18            | 0,15            | 0,60            | 8,34                     | 9,01                     | 21,21                    | 2,22   | 2,36   | 2,50   | 0,68            |
| 573 | 14:11:03 | 0,18            | 0,23            | 0,54            | 8,34                     | 9,01                     | 21,21                    | 2,71   | 2,56   | 2,60   | 0,68            |
| 574 | 14:11:09 | 0,20            | 0,19            | 0,88            | 8,34                     | 9,01                     | 21,21                    | 1,94   | 2,12   | 2,75   | 0,96            |
| 575 | 14:11:14 | 0,16            | 0,15            | 0,67            | 8,34                     | 9,01                     | 21,21                    | 2,07   | 1,98   | 2,91   | 0,74            |
| 576 | 14:11:19 | 0,25            | 0,32            | 1,16            | 8,34                     | 9,01                     | 21,21                    | 1,13   | 1,63   | 1,73   | 1,29            |
| 577 | 14:11:24 | 0,13            | 0,19            | 0,72            | 8,34                     | 9,01                     | 21,21                    | 2,23   | 2,56   | 3,03   | 0,79            |
| 578 | 14:11:29 | 0,14            | 0,21            | 0,77            | 8,34                     | 9,01                     | 21,21                    | 2,51   | 1,96   | 2,13   | 0,85            |
| 579 | 14:11:34 | 0,17            | 0,25            | 0,90            | 8,34                     | 9,01                     | 21,21                    | 1,46   | 1,51   | 1,86   | 0,99            |
| 580 | 14:11:39 | 0,11            | 0,19            | 0,72            | 8,34                     | 9,01                     | 21,21                    | 2,20   | 2,20   | 1,53   | 0,78            |
| 581 | 14:11:44 | 0,12            | 0,22            | 0,68            | 8,34                     | 9,01                     | 21,21                    | 2,10   | 1,89   | 2,29   | 0,77            |
| 582 | 14:11:49 | 0,13            | 0,32            | 0,75            | 8,34                     | 9,01                     | 21,21                    | 1,68   | 1,68   | 2,08   | 0,89            |
| 583 | 14:11:54 | 0,12            | 0,19            | 0,65            | 8,34                     | 9,01                     | 21,21                    | 2,67   | 2,24   | 2,11   | 0,72            |
| 584 | 14:11:59 | 0,12            | 0,24            | 0,82            | 8,34                     | 9,01                     | 21,21                    | 1,71   | 1,77   | 1,92   | 0,90            |
| 585 | 14:12:04 | 0,12            | 0,16            | 0,64            | 8,34                     | 9,01                     | 21,21                    | 2,08   | 2,51   | 2,30   | 0,70            |
| 586 | 14:12:09 | 0,12            | 0,21            | 0,55            | 8,34                     | 9,01                     | 21,21                    | 4,32   | 1,78   | 3,93   | 0,65            |
| 587 | 14:12:14 | 0,19            | 0,25            | 0,75            | 8,34                     | 9,01                     | 21,21                    | 2,51   | 2,24   | 2,54   | 0,87            |
| 588 | 14:12:19 | 0,37            | 0,22            | 0,70            | 8,34                     | 9,01                     | 21,21                    | 2,25   | 2,27   | 3,25   | 0,93            |
| 589 | 14:12:24 | 0,29            | 0,32            | 0,83            | 8,34                     | 9,01                     | 21,21                    | 0,78   | 0,64   | 1,01   | 1,03            |
| 590 | 14:12:29 | 0,15            | 0,30            | 0,48            | 8,34                     | 9,01                     | 21,21                    | 2,41   | 1,92   | 3,09   | 0,67            |
| 591 | 14:12:34 | 0,15            | 0,18            | 0,61            | 8,34                     | 9,01                     | 21,21                    | 2,56   | 2,05   | 3,40   | 0,70            |
| 592 | 14:12:39 | 0,15            | 0,26            | 0,71            | 8,34                     | 9,01                     | 21,21                    | 2,38   | 2,10   | 1,65   | 0,82            |
| 593 | 14:12:44 | 0,22            | 0,24            | 0,92            | 8,34                     | 9,01                     | 21,21                    | 3,47   | 3,10   | 4,28   | 1,03            |
| 594 | 14:12:49 | 0,15            | 0,22            | 0,68            | 8,34                     | 9,01                     | 21,21                    | 2,24   | 1,62   | 2,20   | 0,78            |
| 595 | 14:12:54 | 0,16            | 0,45            | 0,71            | 8,34                     | 9,01                     | 21,21                    | 2,12   | 1,01   | 2,61   | 0,97            |
| 596 | 14:12:59 | 0,14            | 0,24            | 0,66            | 8,34                     | 9,01                     | 21,21                    | 2,19   | 2,03   | 2,27   | 0,76            |
| 597 | 14:13:04 | 0,14            | 0,36            | 0,75            | 8,34                     | 9,01                     | 21,21                    | 2,15   | 2,00   | 2,35   | 0,93            |
| 598 | 14:13:09 | 0,11            | 0,28            | 0,68            | 8,34                     | 9,01                     | 21,21                    | 3,93   | 3,74   | 2,07   | 0,80            |
| 599 | 14:13:14 | 0,13            | 0,36            | 0,77            | 8,34                     | 9,01                     | 21,21                    | 2,69   | 1,81   | 3,50   | 0,94            |
| 600 | 14:13:19 | 0,14            | 0,26            | 0,65            | 8,34                     | 9,01                     | 21,21                    | 2,71   | 2,12   | 2,31   | 0,77            |
| 601 | 14:13:24 | 0,14            | 0,24            | 0,74            | 8,34                     | 9,01                     | 21,21                    | 2,77   | 2,13   | 2,69   | 0,83            |
| 602 | 14:13:29 | 0,14            | 0,38            | 0,65            | 8,34                     | 9,01                     | 21,21                    | 1,86   | 1,74   | 1,77   | 0,86            |
| 603 | 14:13:34 | 0,12            | 0,18            | 0,73            | 8,34                     | 9,01                     | 21,21                    | 1,97   | 2,27   | 2,81   | 0,80            |
| 604 | 14:13:39 | 0,13            | 0,27            | 0,82            | 8,34                     | 9,01                     | 21,21                    | 3,25   | 2,16   | 2,79   | 0,93            |
| 605 | 14:13:44 | 0,14            | 0,29            | 0,68            | 8,34                     | 9,01                     | 21,21                    | 2,42   | 1,18   | 2,59   | 0,82            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 606 | 14:13:49 | 0,16            | 0,22            | 0,71            | 8,34                     | 9,01                     | 21,21                    | 2,96   | 3,75   | 4,21   | 0,80            |
| 607 | 14:13:54 | 0,17            | 0,38            | 0,95            | 8,34                     | 9,01                     | 21,21                    | 2,15   | 1,58   | 1,65   | 1,11            |
| 608 | 14:13:59 | 0,15            | 0,25            | 0,93            | 8,34                     | 9,01                     | 21,21                    | 3,12   | 1,95   | 2,64   | 1,02            |
| 609 | 14:14:04 | 0,15            | 0,21            | 0,82            | 8,34                     | 9,01                     | 21,21                    | 2,08   | 2,41   | 2,84   | 0,89            |
| 610 | 14:14:09 | 0,13            | 0,26            | 0,97            | 8,34                     | 9,01                     | 21,21                    | 3,72   | 2,91   | 2,88   | 1,05            |
| 611 | 14:14:14 | 0,17            | 0,24            | 0,68            | 8,34                     | 9,01                     | 21,21                    | 1,98   | 2,21   | 2,30   | 0,80            |
| 612 | 14:14:19 | 0,17            | 0,21            | 0,77            | 8,34                     | 9,01                     | 21,21                    | 2,56   | 3,17   | 2,80   | 0,86            |
| 613 | 14:14:24 | 0,20            | 0,55            | 0,77            | 8,34                     | 9,01                     | 21,21                    | 2,17   | 0,98   | 1,89   | 1,13            |
| 614 | 14:14:29 | 0,22            | 0,45            | 0,74            | 8,34                     | 9,01                     | 21,21                    | 3,18   | 3,34   | 2,89   | 1,02            |
| 615 | 14:14:34 | 0,16            | 0,43            | 0,64            | 8,34                     | 9,02                     | 21,21                    | 2,36   | 2,85   | 2,68   | 0,90            |
| 616 | 14:14:39 | 0,19            | 0,54            | 0,57            | 8,34                     | 9,02                     | 21,21                    | 1,31   | 1,60   | 1,99   | 0,98            |
| 617 | 14:14:44 | 0,13            | 0,36            | 0,65            | 8,34                     | 9,02                     | 21,21                    | 1,74   | 0,85   | 1,50   | 0,85            |
| 618 | 14:14:49 | 0,17            | 0,25            | 0,59            | 8,34                     | 9,02                     | 21,21                    | 2,39   | 1,56   | 1,92   | 0,72            |
| 619 | 14:14:54 | 0,16            | 0,22            | 0,61            | 8,34                     | 9,02                     | 21,21                    | 3,06   | 3,16   | 3,69   | 0,72            |
| 620 | 14:14:59 | 0,14            | 0,36            | 0,64            | 8,34                     | 9,02                     | 21,21                    | 4,96   | 2,02   | 3,73   | 0,83            |
| 621 | 14:15:04 | 0,15            | 0,28            | 0,71            | 8,34                     | 9,02                     | 21,21                    | 2,34   | 0,84   | 1,58   | 0,84            |
| 622 | 14:15:09 | 0,20            | 0,20            | 0,73            | 8,34                     | 9,02                     | 21,21                    | 2,23   | 1,25   | 1,65   | 0,83            |
| 623 | 14:15:15 | 0,21            | 0,23            | 0,76            | 8,34                     | 9,02                     | 21,21                    | 2,28   | 3,28   | 2,47   | 0,88            |
| 624 | 14:15:20 | 0,33            | 0,28            | 0,67            | 8,34                     | 9,02                     | 21,21                    | 1,30   | 1,03   | 1,07   | 0,91            |
| 625 | 14:15:25 | 0,13            | 0,26            | 0,42            | 8,34                     | 9,02                     | 21,21                    | 1,73   | 1,35   | 1,90   | 0,58            |
| 626 | 14:15:30 | 0,19            | 0,29            | 0,46            | 8,34                     | 9,02                     | 21,21                    | 1,52   | 1,14   | 2,64   | 0,67            |
| 627 | 14:15:35 | 0,13            | 0,15            | 0,53            | 8,34                     | 9,02                     | 21,21                    | 2,45   | 2,24   | 2,55   | 0,60            |
| 628 | 14:15:40 | 0,12            | 0,17            | 0,46            | 8,34                     | 9,02                     | 21,21                    | 1,99   | 1,33   | 2,67   | 0,55            |
| 629 | 14:15:45 | 0,11            | 0,18            | 0,62            | 8,34                     | 9,02                     | 21,21                    | 2,99   | 2,27   | 2,49   | 0,69            |
| 630 | 14:15:50 | 0,13            | 0,22            | 0,58            | 8,34                     | 9,02                     | 21,21                    | 3,56   | 2,58   | 3,23   | 0,68            |
| 631 | 14:15:55 | 0,16            | 0,19            | 0,64            | 8,34                     | 9,02                     | 21,21                    | 1,83   | 3,32   | 2,29   | 0,73            |
| 632 | 14:16:00 | 0,15            | 0,19            | 0,58            | 8,34                     | 9,02                     | 21,21                    | 1,96   | 2,14   | 3,17   | 0,67            |
| 633 | 14:16:05 | 0,12            | 0,20            | 0,60            | 8,34                     | 9,02                     | 21,21                    | 2,23   | 2,49   | 4,12   | 0,68            |
| 634 | 14:16:10 | 0,17            | 0,23            | 0,72            | 8,34                     | 9,02                     | 21,21                    | 2,02   | 2,07   | 2,40   | 0,82            |
| 635 | 14:16:15 | 0,16            | 0,22            | 0,71            | 8,34                     | 9,02                     | 21,21                    | 2,41   | 3,00   | 2,82   | 0,80            |
| 636 | 14:16:20 | 0,13            | 0,29            | 0,74            | 8,34                     | 9,02                     | 21,21                    | 2,40   | 1,61   | 1,66   | 0,86            |
| 637 | 14:16:25 | 0,13            | 0,21            | 0,64            | 8,34                     | 9,02                     | 21,21                    | 3,50   | 2,68   | 2,72   | 0,73            |
| 638 | 14:16:30 | 0,19            | 0,23            | 0,80            | 8,34                     | 9,02                     | 21,22                    | 2,77   | 2,53   | 2,10   | 0,90            |
| 639 | 14:16:35 | 0,15            | 0,25            | 0,77            | 8,34                     | 9,02                     | 21,22                    | 1,87   | 2,07   | 2,27   | 0,87            |
| 640 | 14:16:40 | 0,14            | 0,24            | 0,71            | 8,34                     | 9,02                     | 21,22                    | 2,83   | 2,62   | 2,30   | 0,81            |
| 641 | 14:16:45 | 0,11            | 0,26            | 0,76            | 8,34                     | 9,02                     | 21,22                    | 3,00   | 2,20   | 1,85   | 0,86            |
| 642 | 14:16:50 | 0,11            | 0,22            | 0,65            | 8,34                     | 9,02                     | 21,22                    | 3,21   | 2,23   | 2,12   | 0,74            |
| 643 | 14:16:55 | 0,10            | 0,25            | 0,63            | 8,34                     | 9,02                     | 21,22                    | 3,00   | 1,65   | 2,63   | 0,73            |
| 644 | 14:17:00 | 0,13            | 0,19            | 0,80            | 8,34                     | 9,02                     | 21,22                    | 1,71   | 2,96   | 2,07   | 0,86            |
| 645 | 14:17:05 | 0,12            | 0,19            | 0,60            | 8,34                     | 9,02                     | 21,22                    | 2,83   | 2,31   | 1,94   | 0,67            |
| 646 | 14:17:10 | 0,13            | 0,18            | 0,72            | 8,34                     | 9,02                     | 21,22                    | 2,27   | 2,71   | 2,03   | 0,79            |
| 647 | 14:17:15 | 0,12            | 0,29            | 0,74            | 8,34                     | 9,02                     | 21,22                    | 2,94   | 3,63   | 2,67   | 0,86            |
| 648 | 14:17:20 | 0,13            | 0,22            | 0,64            | 8,34                     | 9,02                     | 21,22                    | 2,07   | 1,88   | 2,25   | 0,73            |
| 649 | 14:17:25 | 0,16            | 0,21            | 0,86            | 8,34                     | 9,02                     | 21,22                    | 1,73   | 2,25   | 2,26   | 0,93            |
| 650 | 14:17:31 | 0,11            | 0,23            | 0,75            | 8,34                     | 9,02                     | 21,22                    | 2,21   | 2,48   | 1,83   | 0,83            |
| 651 | 14:17:36 | 0,11            | 0,16            | 0,66            | 8,34                     | 9,02                     | 21,22                    | 2,65   | 3,10   | 2,66   | 0,71            |
| 652 | 14:17:41 | 0,11            | 0,18            | 0,60            | 8,34                     | 9,02                     | 21,22                    | 2,70   | 3,05   | 2,01   | 0,67            |
| 653 | 14:17:46 | 0,15            | 0,25            | 0,60            | 8,34                     | 9,02                     | 21,22                    | 2,14   | 2,18   | 2,76   | 0,73            |
| 654 | 14:17:51 | 0,15            | 0,20            | 0,67            | 8,34                     | 9,02                     | 21,22                    | 1,84   | 2,04   | 1,74   | 0,76            |
| 655 | 14:17:56 | 0,14            | 0,19            | 0,65            | 8,34                     | 9,02                     | 21,22                    | 2,45   | 1,47   | 1,98   | 0,73            |
| 656 | 14:18:01 | 0,16            | 0,15            | 0,67            | 8,34                     | 9,02                     | 21,22                    | 3,73   | 2,93   | 3,50   | 0,74            |
| 657 | 14:18:06 | 0,19            | 0,33            | 1,01            | 8,34                     | 9,02                     | 21,22                    | 1,72   | 3,00   | 2,33   | 1,15            |
| 658 | 14:18:11 | 0,27            | 0,36            | 0,97            | 8,34                     | 9,02                     | 21,22                    | 1,64   | 1,27   | 1,24   | 1,16            |
| 659 | 14:18:16 | 0,14            | 0,30            | 0,69            | 8,34                     | 9,02                     | 21,22                    | 3,39   | 1,90   | 2,24   | 0,83            |
| 660 | 14:18:21 | 0,12            | 0,22            | 0,68            | 8,34                     | 9,02                     | 21,22                    | 3,07   | 2,59   | 2,61   | 0,77            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 661 | 14:18:26 | 0,13            | 0,18            | 0,71            | 8,34                     | 9,02                     | 21,22                    | 2,25   | 2,20   | 2,15   | 0,77            |
| 662 | 14:18:31 | 0,12            | 0,19            | 0,69            | 8,34                     | 9,02                     | 21,22                    | 3,17   | 3,30   | 2,77   | 0,76            |
| 663 | 14:18:36 | 0,14            | 0,27            | 0,84            | 8,34                     | 9,02                     | 21,22                    | 2,74   | 2,55   | 2,56   | 0,94            |
| 664 | 14:18:41 | 0,13            | 0,25            | 0,81            | 8,34                     | 9,02                     | 21,22                    | 2,81   | 2,82   | 2,16   | 0,90            |
| 665 | 14:18:46 | 0,15            | 0,18            | 0,86            | 8,34                     | 9,02                     | 21,22                    | 4,12   | 2,19   | 2,61   | 0,92            |
| 666 | 14:18:51 | 0,15            | 0,24            | 0,79            | 8,34                     | 9,02                     | 21,22                    | 2,17   | 2,24   | 1,76   | 0,88            |
| 667 | 14:18:56 | 0,17            | 0,23            | 0,76            | 8,34                     | 9,02                     | 21,22                    | 2,28   | 2,56   | 2,06   | 0,86            |
| 668 | 14:19:01 | 0,14            | 0,20            | 0,82            | 8,34                     | 9,02                     | 21,22                    | 2,86   | 2,42   | 1,61   | 0,89            |
| 669 | 14:19:06 | 0,15            | 0,18            | 0,92            | 8,34                     | 9,02                     | 21,22                    | 3,01   | 4,63   | 2,23   | 0,98            |
| 670 | 14:19:11 | 0,13            | 0,23            | 0,82            | 8,34                     | 9,02                     | 21,22                    | 2,26   | 1,47   | 2,60   | 0,90            |
| 671 | 14:19:16 | 0,18            | 0,23            | 0,97            | 8,34                     | 9,02                     | 21,22                    | 1,75   | 1,99   | 1,87   | 1,05            |
| 672 | 14:19:22 | 0,27            | 0,23            | 0,79            | 8,34                     | 9,02                     | 21,22                    | 1,58   | 2,02   | 2,45   | 0,94            |
| 673 | 14:19:27 | 0,27            | 0,21            | 0,76            | 8,34                     | 9,02                     | 21,22                    | 1,93   | 3,25   | 2,40   | 0,90            |
| 674 | 14:19:32 | 0,14            | 0,20            | 0,78            | 8,34                     | 9,02                     | 21,22                    | 1,97   | 2,48   | 1,92   | 0,85            |
| 675 | 14:19:37 | 0,21            | 0,20            | 0,88            | 8,34                     | 9,02                     | 21,22                    | 2,27   | 2,60   | 2,02   | 0,97            |
| 676 | 14:19:42 | 0,22            | 0,29            | 0,81            | 8,34                     | 9,02                     | 21,22                    | 2,21   | 2,69   | 2,77   | 0,96            |
| 677 | 14:19:47 | 0,33            | 0,47            | 0,97            | 8,34                     | 9,02                     | 21,22                    | 1,87   | 1,72   | 3,06   | 1,26            |
| 678 | 14:19:52 | 0,20            | 0,32            | 0,73            | 8,34                     | 9,02                     | 21,22                    | 1,34   | 1,31   | 2,50   | 0,90            |
| 679 | 14:19:57 | 0,14            | 0,20            | 0,55            | 8,34                     | 9,02                     | 21,22                    | 2,54   | 2,32   | 2,85   | 0,65            |
| 680 | 14:20:02 | 0,21            | 0,24            | 0,93            | 8,34                     | 9,02                     | 21,22                    | 1,41   | 2,11   | 2,28   | 1,03            |
| 681 | 14:20:07 | 0,20            | 0,55            | 1,01            | 8,34                     | 9,02                     | 21,22                    | 1,94   | 1,94   | 2,04   | 1,30            |
| 682 | 14:20:12 | 0,16            | 0,19            | 0,70            | 8,34                     | 9,02                     | 21,22                    | 0,95   | 1,38   | 1,76   | 0,78            |
| 683 | 14:20:17 | 0,09            | 0,16            | 0,59            | 8,34                     | 9,02                     | 21,22                    | 2,48   | 2,09   | 1,36   | 0,64            |
| 684 | 14:20:22 | 0,08            | 0,15            | 0,45            | 8,34                     | 9,02                     | 21,22                    | 1,67   | 1,76   | 1,77   | 0,51            |
| 685 | 14:20:27 | 0,08            | 0,15            | 0,50            | 8,34                     | 9,02                     | 21,22                    | 1,68   | 1,69   | 1,52   | 0,56            |
| 686 | 14:20:32 | 0,09            | 0,14            | 0,47            | 8,34                     | 9,02                     | 21,22                    | 1,68   | 1,79   | 1,61   | 0,53            |
| 687 | 14:20:37 | 0,09            | 0,15            | 0,49            | 8,34                     | 9,02                     | 21,22                    | 1,58   | 1,76   | 1,70   | 0,54            |
| 688 | 14:20:42 | 0,09            | 0,15            | 0,49            | 8,34                     | 9,02                     | 21,22                    | 1,62   | 1,75   | 1,61   | 0,55            |
| 689 | 14:20:47 | 0,09            | 0,16            | 0,67            | 8,34                     | 9,02                     | 21,22                    | 2,70   | 1,85   | 1,60   | 0,71            |
| 690 | 14:20:52 | 0,08            | 0,17            | 0,82            | 8,34                     | 9,02                     | 21,22                    | 3,50   | 3,62   | 1,74   | 0,86            |
| 691 | 14:20:57 | 0,12            | 0,24            | 0,75            | 8,34                     | 9,02                     | 21,22                    | 3,52   | 1,97   | 2,58   | 0,84            |
| 692 | 14:21:02 | 0,28            | 0,32            | 1,14            | 8,34                     | 9,02                     | 21,22                    | 0,58   | 1,27   | 1,82   | 1,28            |
| 693 | 14:21:07 | 0,17            | 0,25            | 0,91            | 8,34                     | 9,02                     | 21,22                    | 3,07   | 2,65   | 2,47   | 1,00            |
| 694 | 14:21:13 | 0,22            | 0,28            | 0,83            | 8,34                     | 9,02                     | 21,22                    | 2,28   | 1,94   | 2,12   | 0,97            |
| 695 | 14:21:18 | 0,16            | 0,47            | 0,63            | 8,34                     | 9,02                     | 21,22                    | 2,29   | 1,23   | 2,48   | 0,94            |
| 696 | 14:21:23 | 0,15            | 0,28            | 0,62            | 8,34                     | 9,02                     | 21,22                    | 2,33   | 2,49   | 1,71   | 0,76            |
| 697 | 14:21:28 | 0,21            | 0,37            | 0,78            | 8,34                     | 9,02                     | 21,22                    | 2,71   | 2,96   | 2,30   | 0,98            |
| 698 | 14:21:33 | 0,14            | 0,29            | 0,68            | 8,34                     | 9,02                     | 21,22                    | 1,90   | 2,67   | 1,72   | 0,82            |
| 699 | 14:21:38 | 0,13            | 0,26            | 0,45            | 8,34                     | 9,02                     | 21,22                    | 3,06   | 1,82   | 3,32   | 0,61            |
| 700 | 14:21:43 | 0,12            | 0,33            | 0,53            | 8,34                     | 9,02                     | 21,22                    | 2,29   | 1,98   | 2,08   | 0,73            |
| 701 | 14:21:48 | 0,17            | 0,52            | 0,56            | 8,34                     | 9,02                     | 21,22                    | 2,35   | 3,21   | 2,34   | 0,95            |
| 702 | 14:21:53 | 0,17            | 0,49            | 0,62            | 8,34                     | 9,02                     | 21,22                    | 1,73   | 0,95   | 2,13   | 0,95            |
| 703 | 14:21:58 | 0,13            | 0,33            | 0,70            | 8,34                     | 9,02                     | 21,22                    | 1,69   | 1,88   | 3,20   | 0,86            |
| 704 | 14:22:03 | 0,20            | 0,29            | 1,27            | 8,34                     | 9,02                     | 21,22                    | 0,69   | 1,54   | 1,54   | 1,37            |
| 705 | 14:22:08 | 0,08            | 0,27            | 1,29            | 8,34                     | 9,02                     | 21,22                    | 3,77   | 1,96   | 2,05   | 1,35            |
| 706 | 14:22:13 | 0,11            | 0,27            | 1,09            | 8,34                     | 9,02                     | 21,22                    | 3,24   | 2,35   | 1,41   | 1,16            |
| 707 | 14:22:18 | 0,24            | 0,28            | 1,34            | 8,34                     | 9,02                     | 21,23                    | 1,30   | 1,74   | 1,25   | 1,43            |
| 708 | 14:22:24 | 0,17            | 0,25            | 0,22            | 8,34                     | 9,02                     | 21,23                    | 3,07   | 2,26   | 2,59   | 0,48            |
| 709 | 14:22:29 | 0,18            | 0,26            | 0,30            | 8,34                     | 9,02                     | 21,23                    | 1,65   | 1,58   | 3,19   | 0,53            |
| 710 | 14:22:34 | 0,17            | 0,26            | 0,33            | 8,34                     | 9,02                     | 21,23                    | 1,66   | 1,58   | 3,00   | 0,54            |
| 711 | 14:22:39 | 0,17            | 0,26            | 0,38            | 8,34                     | 9,02                     | 21,23                    | 1,70   | 1,59   | 2,44   | 0,58            |
| 712 | 14:22:44 | 0,17            | 0,27            | 0,44            | 8,34                     | 9,02                     | 21,23                    | 1,68   | 1,63   | 2,01   | 0,63            |
| 713 | 14:22:49 | 0,22            | 0,35            | 2,12            | 8,34                     | 9,02                     | 21,24                    | 4,09   | 4,07   | 3,14   | 2,20            |
| 714 | 14:22:54 | 0,27            | 0,36            | 1,02            | 8,34                     | 9,02                     | 21,24                    | 0,94   | 1,61   | 1,64   | 1,19            |
| 715 | 14:22:59 | 0,16            | 0,22            | 0,95            | 8,34                     | 9,02                     | 21,24                    | 2,42   | 1,04   | 1,49   | 1,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 716 | 14:23:04 | 0,18            | 0,38            | 0,59            | 8,34                     | 9,02                     | 21,24                    | 2,30   | 1,72   | 3,56   | 0,84            |
| 717 | 14:23:09 | 0,15            | 0,33            | 0,56            | 8,34                     | 9,02                     | 21,24                    | 2,23   | 1,18   | 1,74   | 0,75            |
| 718 | 14:23:14 | 0,12            | 0,27            | 0,54            | 8,34                     | 9,02                     | 21,24                    | 2,90   | 1,22   | 2,23   | 0,68            |
| 719 | 14:23:19 | 0,14            | 0,22            | 0,47            | 8,34                     | 9,02                     | 21,24                    | 2,43   | 2,47   | 2,67   | 0,59            |
| 720 | 14:23:24 | 0,12            | 0,26            | 0,56            | 8,34                     | 9,02                     | 21,24                    | 1,73   | 1,98   | 4,21   | 0,69            |
| 721 | 14:23:29 | 0,10            | 0,26            | 1,12            | 8,34                     | 9,02                     | 21,24                    | 1,84   | 1,56   | 0,73   | 1,18            |
| 722 | 14:23:34 | 0,14            | 0,18            | 0,46            | 8,34                     | 9,02                     | 21,24                    | 2,10   | 1,51   | 2,02   | 0,56            |
| 723 | 14:23:39 | 0,08            | 0,23            | 0,67            | 8,34                     | 9,02                     | 21,24                    | 1,54   | 1,48   | 1,46   | 0,75            |
| 724 | 14:23:44 | 0,16            | 0,27            | 0,67            | 8,34                     | 9,02                     | 21,24                    | 1,87   | 1,92   | 1,91   | 0,80            |
| 725 | 14:23:49 | 0,16            | 0,40            | 0,58            | 8,34                     | 9,02                     | 21,24                    | 2,72   | 1,14   | 2,90   | 0,84            |
| 726 | 14:23:54 | 0,19            | 0,32            | 0,64            | 8,34                     | 9,02                     | 21,24                    | 1,69   | 1,78   | 2,08   | 0,82            |
| 727 | 14:23:59 | 0,16            | 0,34            | 0,57            | 8,34                     | 9,02                     | 21,24                    | 2,52   | 2,37   | 2,46   | 0,77            |
| 728 | 14:24:04 | 0,19            | 0,23            | 0,65            | 8,34                     | 9,02                     | 21,24                    | 1,71   | 1,22   | 1,97   | 0,78            |
| 729 | 14:24:09 | 0,18            | 0,36            | 0,68            | 8,34                     | 9,02                     | 21,24                    | 2,32   | 2,62   | 3,59   | 0,88            |
| 730 | 14:24:14 | 0,18            | 0,34            | 0,68            | 8,34                     | 9,02                     | 21,24                    | 1,46   | 1,13   | 2,32   | 0,87            |
| 731 | 14:24:19 | 0,22            | 0,30            | 0,64            | 8,34                     | 9,02                     | 21,24                    | 2,45   | 1,84   | 2,44   | 0,83            |
| 732 | 14:24:24 | 0,14            | 0,29            | 0,66            | 8,34                     | 9,02                     | 21,24                    | 1,79   | 2,62   | 2,76   | 0,80            |
| 733 | 14:24:29 | 0,32            | 0,25            | 0,86            | 8,34                     | 9,02                     | 21,24                    | 0,61   | 1,45   | 1,87   | 1,03            |
| 734 | 14:24:34 | 0,39            | 0,58            | 1,38            | 8,34                     | 9,02                     | 21,24                    | 0,89   | 0,98   | 1,69   | 1,70            |
| 735 | 14:24:39 | 0,18            | 0,25            | 1,46            | 8,34                     | 9,02                     | 21,24                    | 2,44   | 1,91   | 1,52   | 1,53            |
| 736 | 14:24:44 | 0,23            | 0,22            | 2,43            | 8,34                     | 9,02                     | 21,25                    | 1,70   | 2,23   | 1,60   | 2,47            |
| 737 | 14:24:49 | 0,23            | 0,20            | 2,98            | 8,34                     | 9,02                     | 21,26                    | 1,51   | 1,73   | 1,64   | 3,01            |
| 738 | 14:24:54 | 0,23            | 0,20            | 2,86            | 8,34                     | 9,02                     | 21,28                    | 1,66   | 1,73   | 1,57   | 2,89            |
| 739 | 14:24:59 | 0,25            | 0,21            | 2,85            | 8,34                     | 9,02                     | 21,29                    | 1,78   | 2,24   | 1,71   | 2,89            |
| 740 | 14:25:04 | 0,27            | 0,29            | 2,16            | 8,34                     | 9,02                     | 21,30                    | 2,73   | 2,31   | 1,80   | 2,23            |
| 741 | 14:25:09 | 0,22            | 0,28            | 1,91            | 8,34                     | 9,02                     | 21,30                    | 1,56   | 1,67   | 1,77   | 1,98            |
| 742 | 14:25:14 | 0,21            | 0,27            | 1,97            | 8,34                     | 9,02                     | 21,30                    | 1,58   | 1,66   | 1,80   | 2,03            |
| 743 | 14:25:19 | 0,22            | 0,27            | 2,01            | 8,34                     | 9,02                     | 21,30                    | 1,59   | 1,66   | 1,75   | 2,07            |
| 744 | 14:25:24 | 0,21            | 0,27            | 2,03            | 8,34                     | 9,02                     | 21,31                    | 1,60   | 1,73   | 1,75   | 2,08            |
| 745 | 14:25:29 | 0,37            | 0,44            | 2,64            | 8,34                     | 9,02                     | 21,33                    | 2,14   | 2,81   | 0,44   | 2,76            |
| 746 | 14:25:34 | 0,16            | 0,30            | 0,75            | 8,34                     | 9,02                     | 21,33                    | 1,96   | 1,75   | 0,84   | 0,89            |
| 747 | 14:25:39 | 0,19            | 0,31            | 0,63            | 8,34                     | 9,02                     | 21,33                    | 1,32   | 1,90   | 2,99   | 0,80            |
| 748 | 14:25:44 | 0,30            | 0,36            | 1,32            | 8,34                     | 9,02                     | 21,33                    | 1,32   | 2,05   | 2,95   | 1,47            |
| 749 | 14:25:49 | 0,18            | 0,20            | 0,39            | 8,34                     | 9,02                     | 21,33                    | 1,35   | 1,73   | 2,09   | 0,54            |
| 750 | 14:25:54 | 0,13            | 0,22            | 0,80            | 8,34                     | 9,02                     | 21,33                    | 1,30   | 3,03   | 2,84   | 0,88            |
| 751 | 14:25:59 | 0,23            | 0,35            | 1,45            | 8,34                     | 9,02                     | 21,33                    | 1,67   | 2,38   | 1,71   | 1,57            |
| 752 | 14:26:04 | 0,14            | 0,27            | 1,13            | 8,34                     | 9,02                     | 21,33                    | 1,68   | 1,37   | 1,33   | 1,21            |
| 753 | 14:26:09 | 0,35            | 0,36            | 1,33            | 8,34                     | 9,02                     | 21,33                    | 3,62   | 1,90   | 2,98   | 1,50            |
| 754 | 14:26:14 | 0,21            | 0,28            | 1,16            | 8,34                     | 9,02                     | 21,33                    | 0,94   | 2,19   | 1,08   | 1,26            |
| 755 | 14:26:19 | 0,14            | 0,32            | 0,89            | 8,34                     | 9,02                     | 21,33                    | 5,70   | 4,65   | 1,70   | 1,02            |
| 756 | 14:26:24 | 0,38            | 0,43            | 2,08            | 8,34                     | 9,02                     | 21,33                    | 1,05   | 1,24   | 1,45   | 2,23            |
| 757 | 14:26:29 | 0,21            | 0,30            | 1,92            | 8,34                     | 9,02                     | 21,34                    | 1,45   | 1,79   | 1,74   | 1,99            |
| 758 | 14:26:34 | 0,18            | 0,30            | 1,74            | 8,34                     | 9,02                     | 21,34                    | 2,06   | 1,94   | 1,69   | 1,81            |
| 759 | 14:26:39 | 0,24            | 0,30            | 2,07            | 8,34                     | 9,02                     | 21,35                    | 1,57   | 1,71   | 1,60   | 2,14            |
| 760 | 14:26:44 | 0,24            | 0,27            | 1,77            | 8,34                     | 9,02                     | 21,35                    | 2,25   | 2,03   | 2,10   | 1,85            |
| 761 | 14:26:49 | 0,24            | 0,29            | 1,86            | 8,34                     | 9,02                     | 21,35                    | 1,54   | 2,06   | 1,62   | 1,94            |
| 762 | 14:26:54 | 0,23            | 0,33            | 1,69            | 8,34                     | 9,02                     | 21,35                    | 3,41   | 2,40   | 1,83   | 1,78            |
| 763 | 14:26:59 | 0,19            | 0,32            | 1,91            | 8,34                     | 9,02                     | 21,36                    | 2,71   | 3,25   | 2,92   | 1,98            |
| 764 | 14:27:04 | 0,40            | 0,39            | 1,37            | 8,34                     | 9,02                     | 21,37                    | 0,56   | 0,66   | 0,52   | 1,58            |
| 765 | 14:27:09 | 0,16            | 0,20            | 0,48            | 8,34                     | 9,02                     | 21,37                    | 2,23   | 2,92   | 3,70   | 0,60            |
| 766 | 14:27:14 | 0,24            | 0,19            | 0,77            | 8,34                     | 9,02                     | 21,37                    | 3,67   | 1,99   | 0,82   | 0,88            |
| 767 | 14:27:19 | 0,12            | 0,08            | 0,19            | 8,34                     | 9,02                     | 21,37                    | 1,60   | 2,44   | 1,80   | 0,27            |
| 768 | 14:27:24 | 0,05            | 0,02            | 0,05            | 8,34                     | 9,02                     | 21,37                    | 2,32   | 2,25   | 2,87   | 0,09            |
| 769 | 14:27:29 | 0,06            | 0,02            | 0,08            | 8,34                     | 9,02                     | 21,37                    | 2,34   | 2,78   | 1,98   | 0,12            |
| 770 | 14:27:34 | 0,11            | 0,05            | 0,48            | 8,34                     | 9,02                     | 21,37                    | 3,03   | 3,10   | 1,66   | 0,51            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 771 | 14:27:39 | 0,07            | 0,28            | 1,12            | 8,34                     | 9,02                     | 21,37                    | 2,43   | 1,71   | 1,73   | 1,20            |
| 772 | 14:27:44 | 0,08            | 0,28            | 1,08            | 8,34                     | 9,02                     | 21,37                    | 2,41   | 2,11   | 1,45   | 1,16            |
| 773 | 14:27:49 | 0,29            | 0,29            | 1,47            | 8,34                     | 9,02                     | 21,37                    | 1,64   | 1,96   | 3,65   | 1,58            |
| 774 | 14:27:54 | 0,50            | 0,34            | 1,42            | 8,34                     | 9,02                     | 21,37                    | 1,73   | 1,28   | 0,54   | 1,65            |
| 775 | 14:27:59 | 0,56            | 0,44            | 0,94            | 8,34                     | 9,02                     | 21,37                    | 0,40   | 1,08   | 1,76   | 1,37            |
| 776 | 14:28:04 | 0,15            | 0,34            | 1,66            | 8,34                     | 9,02                     | 21,38                    | 2,29   | 1,84   | 2,84   | 1,74            |
| 777 | 14:28:09 | 0,25            | 0,42            | 2,74            | 8,34                     | 9,02                     | 21,40                    | 2,00   | 1,90   | 0,84   | 2,83            |
| 778 | 14:28:14 | 0,15            | 0,29            | 1,89            | 8,34                     | 9,02                     | 21,40                    | 1,50   | 1,66   | 2,32   | 1,95            |
| 779 | 14:28:19 | 0,18            | 0,34            | 1,45            | 8,34                     | 9,02                     | 21,40                    | 1,75   | 2,30   | 1,43   | 1,55            |
| 780 | 14:28:24 | 0,27            | 0,41            | 2,20            | 8,34                     | 9,02                     | 21,41                    | 0,97   | 1,58   | 1,89   | 2,31            |
| 781 | 14:28:29 | 0,12            | 0,38            | 2,24            | 8,34                     | 9,02                     | 21,41                    | 3,72   | 3,66   | 3,03   | 2,31            |
| 782 | 14:28:34 | 0,14            | 0,33            | 2,62            | 8,34                     | 9,02                     | 21,43                    | 1,97   | 1,75   | 1,74   | 2,66            |
| 783 | 14:28:39 | 0,17            | 0,35            | 2,17            | 8,34                     | 9,02                     | 21,43                    | 1,44   | 1,75   | 1,65   | 2,24            |
| 784 | 14:28:44 | 0,16            | 0,38            | 2,05            | 8,34                     | 9,02                     | 21,43                    | 1,63   | 1,77   | 1,75   | 2,13            |
| 785 | 14:28:49 | 0,17            | 0,39            | 1,96            | 8,34                     | 9,02                     | 21,44                    | 1,61   | 1,68   | 1,70   | 2,04            |
| 786 | 14:28:54 | 0,16            | 0,39            | 1,77            | 8,34                     | 9,02                     | 21,44                    | 1,64   | 1,75   | 1,74   | 1,87            |
| 787 | 14:28:59 | 0,20            | 0,42            | 1,55            | 8,34                     | 9,02                     | 21,44                    | 1,53   | 1,62   | 1,68   | 1,68            |
| 788 | 14:29:04 | 0,20            | 0,38            | 1,32            | 8,34                     | 9,02                     | 21,44                    | 1,57   | 1,63   | 1,98   | 1,45            |
| 789 | 14:29:09 | 0,20            | 0,38            | 1,35            | 8,34                     | 9,02                     | 21,44                    | 1,52   | 1,67   | 2,00   | 1,48            |
| 790 | 14:29:14 | 0,20            | 0,38            | 1,38            | 8,34                     | 9,02                     | 21,44                    | 1,50   | 1,65   | 1,99   | 1,50            |
| 791 | 14:29:19 | 0,19            | 0,37            | 1,39            | 8,34                     | 9,02                     | 21,45                    | 1,54   | 1,64   | 2,00   | 1,51            |
| 792 | 14:29:24 | 0,19            | 0,37            | 1,41            | 8,34                     | 9,02                     | 21,45                    | 1,53   | 1,67   | 1,91   | 1,52            |
| 793 | 14:29:29 | 0,18            | 0,38            | 1,44            | 8,34                     | 9,02                     | 21,45                    | 1,50   | 1,67   | 1,98   | 1,56            |
| 794 | 14:29:34 | 0,18            | 0,38            | 1,55            | 8,34                     | 9,02                     | 21,45                    | 1,57   | 1,71   | 1,99   | 1,66            |
| 795 | 14:29:39 | 0,18            | 0,38            | 1,58            | 8,34                     | 9,02                     | 21,45                    | 1,60   | 1,65   | 1,83   | 1,69            |
| 796 | 14:29:44 | 0,19            | 0,38            | 1,59            | 8,34                     | 9,02                     | 21,45                    | 1,56   | 3,46   | 1,97   | 1,69            |
| 797 | 14:29:49 | 0,20            | 0,38            | 1,42            | 8,34                     | 9,02                     | 21,45                    | 2,04   | 1,84   | 1,86   | 1,55            |
| 798 | 14:29:54 | 0,16            | 0,39            | 1,41            | 8,34                     | 9,02                     | 21,45                    | 1,71   | 2,09   | 2,03   | 1,53            |
| 799 | 14:29:59 | 0,20            | 0,36            | 1,87            | 8,34                     | 9,02                     | 21,46                    | 2,14   | 2,38   | 0,52   | 1,95            |
| 800 | 14:30:04 | 0,13            | 0,27            | 0,43            | 8,34                     | 9,02                     | 21,46                    | 2,09   | 2,77   | 0,69   | 0,60            |
| 801 | 14:30:09 | 0,30            | 0,35            | 0,70            | 8,34                     | 9,02                     | 21,46                    | 1,54   | 2,02   | 1,47   | 0,95            |
| 802 | 14:30:14 | 0,16            | 0,34            | 0,36            | 8,34                     | 9,02                     | 21,46                    | 1,54   | 1,57   | 2,47   | 0,64            |
| 803 | 14:30:19 | 0,12            | 0,33            | 0,31            | 8,34                     | 9,02                     | 21,46                    | 1,68   | 1,54   | 2,15   | 0,58            |
| 804 | 14:30:24 | 0,13            | 0,32            | 0,34            | 8,34                     | 9,02                     | 21,46                    | 1,67   | 1,56   | 2,13   | 0,59            |
| 805 | 14:30:29 | 0,12            | 0,31            | 0,30            | 8,34                     | 9,02                     | 21,46                    | 1,84   | 1,60   | 2,18   | 0,56            |
| 806 | 14:30:34 | 0,14            | 0,29            | 1,98            | 8,34                     | 9,02                     | 21,49                    | 3,14   | 1,75   | 4,55   | 2,03            |
| 807 | 14:30:39 | 0,13            | 0,33            | 0,90            | 8,34                     | 9,02                     | 21,49                    | 2,21   | 2,27   | 1,95   | 1,02            |
| 808 | 14:30:44 | 0,14            | 0,34            | 0,56            | 8,34                     | 9,02                     | 21,50                    | 1,67   | 1,61   | 2,26   | 0,76            |
| 809 | 14:30:49 | 0,17            | 0,33            | 1,19            | 8,34                     | 9,02                     | 21,53                    | 1,14   | 1,58   | 0,48   | 1,30            |
| 810 | 14:30:54 | 0,18            | 0,30            | 0,52            | 8,34                     | 9,02                     | 21,53                    | 2,27   | 2,63   | 3,54   | 0,71            |
| 811 | 14:30:59 | 0,17            | 0,34            | 0,51            | 8,34                     | 9,02                     | 21,53                    | 3,38   | 2,46   | 4,04   | 0,73            |
| 812 | 14:31:04 | 0,21            | 0,35            | 2,08            | 8,34                     | 9,03                     | 21,54                    | 1,90   | 2,00   | 2,51   | 2,15            |
| 813 | 14:31:09 | 0,14            | 0,27            | 2,61            | 8,34                     | 9,03                     | 21,55                    | 1,95   | 1,96   | 1,89   | 2,65            |
| 814 | 14:31:14 | 0,15            | 0,29            | 2,87            | 8,34                     | 9,03                     | 21,56                    | 1,96   | 1,84   | 1,83   | 2,91            |
| 815 | 14:31:19 | 0,17            | 0,27            | 3,16            | 8,34                     | 9,03                     | 21,58                    | 3,14   | 2,19   | 2,11   | 3,19            |
| 816 | 14:31:24 | 0,17            | 0,26            | 2,99            | 8,34                     | 9,03                     | 21,60                    | 1,45   | 1,51   | 1,50   | 3,02            |
| 817 | 14:31:29 | 0,14            | 0,25            | 2,82            | 8,34                     | 9,03                     | 21,61                    | 2,74   | 2,74   | 2,05   | 2,85            |
| 818 | 14:31:34 | 0,13            | 0,21            | 2,95            | 8,34                     | 9,03                     | 21,62                    | 1,67   | 2,19   | 1,85   | 2,97            |
| 819 | 14:31:39 | 0,14            | 0,21            | 3,02            | 8,34                     | 9,03                     | 21,64                    | 1,86   | 2,10   | 2,05   | 3,04            |
| 820 | 14:31:44 | 0,13            | 0,20            | 3,47            | 8,34                     | 9,03                     | 21,67                    | 1,67   | 1,83   | 1,90   | 3,49            |
| 821 | 14:31:49 | 0,14            | 0,17            | 3,83            | 8,34                     | 9,03                     | 21,71                    | 1,71   | 1,67   | 1,72   | 3,84            |
| 822 | 14:31:54 | 0,15            | 0,17            | 3,83            | 8,34                     | 9,03                     | 21,75                    | 3,49   | 2,89   | 1,84   | 3,84            |
| 823 | 14:31:59 | 0,14            | 0,17            | 3,80            | 8,34                     | 9,03                     | 21,79                    | 1,68   | 1,79   | 1,75   | 3,81            |
| 824 | 14:32:04 | 0,14            | 0,16            | 3,73            | 8,34                     | 9,03                     | 21,82                    | 1,73   | 1,76   | 1,74   | 3,75            |
| 825 | 14:32:09 | 0,14            | 0,16            | 3,74            | 8,34                     | 9,03                     | 21,85                    | 3,23   | 2,92   | 2,19   | 3,75            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 826 | 14:32:14 | 0,14            | 0,16            | 3,73            | 8,34                     | 9,03                     | 21,89                    | 1,74   | 1,76   | 1,69   | 3,74            |
| 827 | 14:32:19 | 0,14            | 0,15            | 3,71            | 8,34                     | 9,03                     | 21,93                    | 1,78   | 1,84   | 1,70   | 3,72            |
| 828 | 14:32:24 | 0,14            | 0,15            | 3,72            | 8,34                     | 9,03                     | 21,96                    | 1,72   | 1,80   | 1,74   | 3,73            |
| 829 | 14:32:29 | 0,14            | 0,15            | 3,73            | 8,34                     | 9,03                     | 22,00                    | 1,79   | 1,85   | 1,72   | 3,74            |
| 830 | 14:32:34 | 0,14            | 0,15            | 3,76            | 8,34                     | 9,03                     | 22,03                    | 1,73   | 1,89   | 1,73   | 3,77            |
| 831 | 14:32:39 | 0,14            | 0,15            | 3,77            | 8,34                     | 9,03                     | 22,07                    | 1,78   | 1,85   | 1,77   | 3,78            |
| 832 | 14:32:44 | 0,14            | 0,15            | 3,78            | 8,34                     | 9,03                     | 22,10                    | 1,76   | 2,11   | 1,90   | 3,79            |
| 833 | 14:32:49 | 0,14            | 0,15            | 3,72            | 8,34                     | 9,03                     | 22,14                    | 1,78   | 1,78   | 1,77   | 3,73            |
| 834 | 14:32:55 | 0,17            | 0,16            | 3,57            | 8,34                     | 9,03                     | 22,17                    | 2,29   | 2,43   | 1,47   | 3,59            |
| 835 | 14:33:00 | 0,22            | 0,15            | 2,93            | 8,34                     | 9,03                     | 22,18                    | 1,72   | 2,13   | 1,64   | 2,96            |
| 836 | 14:33:05 | 0,22            | 0,27            | 1,76            | 8,34                     | 9,03                     | 22,19                    | 1,55   | 1,88   | 1,74   | 1,82            |
| 837 | 14:33:10 | 0,19            | 0,31            | 1,93            | 8,34                     | 9,03                     | 22,19                    | 2,35   | 1,77   | 3,09   | 1,99            |
| 838 | 14:33:15 | 0,33            | 0,55            | 2,72            | 8,34                     | 9,03                     | 22,20                    | 0,42   | 0,94   | 0,62   | 2,86            |
| 839 | 14:33:20 | 0,05            | 0,28            | 1,12            | 8,34                     | 9,03                     | 22,20                    | 1,76   | 2,02   | 1,57   | 1,19            |
| 840 | 14:33:25 | 0,08            | 0,31            | 1,38            | 8,34                     | 9,03                     | 22,20                    | 1,77   | 2,35   | 1,85   | 1,46            |
| 841 | 14:33:30 | 0,20            | 0,27            | 1,57            | 8,34                     | 9,03                     | 22,20                    | 0,44   | 1,70   | 1,94   | 1,64            |
| 842 | 14:33:35 | 0,12            | 0,23            | 1,34            | 8,34                     | 9,03                     | 22,20                    | 5,83   | 2,68   | 1,41   | 1,39            |
| 843 | 14:33:40 | 0,19            | 0,21            | 1,04            | 8,34                     | 9,03                     | 22,21                    | 1,12   | 3,21   | 2,77   | 1,11            |
| 844 | 14:33:45 | 0,24            | 0,35            | 0,58            | 8,34                     | 9,03                     | 22,21                    | 1,18   | 1,37   | 2,17   | 0,83            |
| 845 | 14:33:50 | 0,27            | 0,59            | 0,58            | 8,34                     | 9,03                     | 22,21                    | 1,47   | 2,05   | 2,40   | 1,08            |
| 846 | 14:33:55 | 0,14            | 0,29            | 0,59            | 8,34                     | 9,03                     | 22,21                    | 2,47   | 1,86   | 2,55   | 0,74            |
| 847 | 14:34:00 | 0,16            | 0,53            | 0,70            | 8,34                     | 9,03                     | 22,21                    | 2,16   | 1,36   | 1,99   | 1,04            |
| 848 | 14:34:05 | 0,19            | 0,53            | 0,86            | 8,34                     | 9,03                     | 22,21                    | 1,42   | 1,72   | 1,59   | 1,17            |
| 849 | 14:34:10 | 0,12            | 0,39            | 0,78            | 8,34                     | 9,03                     | 22,21                    | 2,84   | 2,40   | 1,85   | 0,97            |
| 850 | 14:34:15 | 0,14            | 0,34            | 0,77            | 8,34                     | 9,03                     | 22,21                    | 2,42   | 2,43   | 3,08   | 0,92            |
| 851 | 14:34:20 | 0,13            | 0,41            | 0,69            | 8,34                     | 9,03                     | 22,21                    | 3,52   | 2,65   | 1,70   | 0,92            |
| 852 | 14:34:26 | 0,19            | 0,52            | 0,69            | 8,34                     | 9,03                     | 22,21                    | 2,02   | 1,75   | 2,42   | 1,04            |
| 853 | 14:34:31 | 0,16            | 0,40            | 0,56            | 8,34                     | 9,03                     | 22,21                    | 3,36   | 2,28   | 3,54   | 0,82            |
| 854 | 14:34:36 | 0,18            | 0,33            | 0,59            | 8,34                     | 9,03                     | 22,21                    | 3,03   | 3,08   | 2,31   | 0,79            |
| 855 | 14:34:41 | 0,24            | 0,46            | 0,65            | 8,34                     | 9,03                     | 22,21                    | 2,67   | 2,63   | 2,33   | 0,97            |
| 856 | 14:34:46 | 0,30            | 0,30            | 1,07            | 8,34                     | 9,03                     | 22,21                    | 2,46   | 1,71   | 2,20   | 1,22            |
| 857 | 14:34:52 | 0,31            | 0,37            | 1,58            | 8,34                     | 9,03                     | 22,21                    | 1,16   | 2,34   | 1,69   | 1,71            |
| 858 | 14:34:57 | 0,29            | 0,43            | 1,53            | 8,34                     | 9,03                     | 22,21                    | 0,93   | 0,97   | 1,48   | 1,69            |
| 859 | 14:35:02 | 0,13            | 0,39            | 1,60            | 8,34                     | 9,03                     | 22,21                    | 1,34   | 2,00   | 1,76   | 1,70            |
| 860 | 14:35:07 | 0,18            | 0,22            | 0,92            | 8,34                     | 9,03                     | 22,21                    | 1,38   | 1,70   | 1,89   | 1,00            |
| 861 | 14:35:12 | 0,15            | 0,22            | 0,78            | 8,34                     | 9,03                     | 22,21                    | 3,01   | 2,18   | 1,66   | 0,86            |
| 862 | 14:35:17 | 0,22            | 0,27            | 0,64            | 8,34                     | 9,03                     | 22,21                    | 0,84   | 1,29   | 2,20   | 0,80            |
| 863 | 14:35:22 | 0,12            | 0,18            | 0,64            | 8,34                     | 9,03                     | 22,21                    | 2,00   | 2,06   | 1,71   | 0,71            |
| 864 | 14:35:28 | 0,07            | 0,09            | 0,43            | 8,34                     | 9,03                     | 22,21                    | 1,69   | 1,17   | 1,20   | 0,46            |
| 865 | 14:35:33 | 0,06            | 0,07            | 0,20            | 8,34                     | 9,03                     | 22,21                    | 1,49   | 1,66   | 1,28   | 0,23            |
| 866 | 14:35:38 | 0,05            | 0,05            | 0,12            | 8,34                     | 9,03                     | 22,21                    | 4,69   | 3,53   | 2,39   | 0,15            |
| 867 | 14:35:43 | 0,04            | 0,04            | 0,10            | 8,34                     | 9,03                     | 22,21                    | 1,98   | 1,63   | 2,13   | 0,13            |
| 868 | 14:35:48 | 0,04            | 0,04            | 0,10            | 8,34                     | 9,03                     | 22,21                    | 2,51   | 2,73   | 4,96   | 0,13            |
| 869 | 14:35:53 | 0,09            | 0,07            | 0,32            | 8,34                     | 9,03                     | 22,21                    | 2,42   | 3,03   | 2,24   | 0,36            |
| 870 | 14:35:58 | 0,12            | 0,10            | 0,32            | 8,34                     | 9,03                     | 22,21                    | 2,23   | 2,07   | 3,17   | 0,39            |
| 871 | 14:36:03 | 0,23            | 0,23            | 0,60            | 8,34                     | 9,03                     | 22,21                    | 2,34   | 3,53   | 3,32   | 0,75            |
| 872 | 14:36:08 | 0,13            | 0,30            | 1,10            | 8,34                     | 9,03                     | 22,21                    | 2,04   | 1,28   | 1,72   | 1,19            |
| 873 | 14:36:13 | 0,09            | 0,17            | 0,98            | 8,34                     | 9,03                     | 22,21                    | 1,61   | 1,79   | 1,51   | 1,02            |
| 874 | 14:36:18 | 0,11            | 0,17            | 1,10            | 8,34                     | 9,03                     | 22,21                    | 3,62   | 2,77   | 3,15   | 1,14            |
| 875 | 14:36:23 | 0,23            | 0,43            | 3,13            | 8,34                     | 9,03                     | 22,24                    | 0,78   | 0,84   | 1,83   | 3,21            |
| 876 | 14:36:28 | 0,10            | 0,18            | 3,57            | 8,34                     | 9,03                     | 22,27                    | 2,08   | 2,07   | 1,55   | 3,58            |
| 877 | 14:36:33 | 0,10            | 0,18            | 3,78            | 8,34                     | 9,03                     | 22,30                    | 1,82   | 1,91   | 1,53   | 3,79            |
| 878 | 14:36:38 | 0,09            | 0,17            | 3,86            | 8,34                     | 9,03                     | 22,34                    | 1,57   | 1,75   | 1,48   | 3,87            |
| 879 | 14:36:43 | 0,09            | 0,19            | 3,78            | 8,34                     | 9,03                     | 22,37                    | 1,97   | 2,14   | 1,58   | 3,79            |
| 880 | 14:36:48 | 0,13            | 0,29            | 3,51            | 8,34                     | 9,03                     | 22,40                    | 1,91   | 1,71   | 1,60   | 3,54            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 881 | 14:36:53 | 0,11            | 0,26            | 3,56            | 8,34                     | 9,03                     | 22,43                    | 1,95   | 1,86   | 1,55   | 3,58            |
| 882 | 14:36:58 | 0,12            | 0,26            | 3,55            | 8,34                     | 9,03                     | 22,45                    | 2,04   | 1,99   | 1,51   | 3,57            |
| 883 | 14:37:03 | 0,11            | 0,26            | 3,50            | 8,34                     | 9,03                     | 22,47                    | 2,08   | 1,83   | 1,53   | 3,52            |
| 884 | 14:37:08 | 0,11            | 0,25            | 3,52            | 8,34                     | 9,03                     | 22,50                    | 1,88   | 1,83   | 1,53   | 3,54            |
| 885 | 14:37:13 | 0,11            | 0,25            | 3,53            | 8,34                     | 9,03                     | 22,52                    | 2,06   | 1,82   | 1,51   | 3,56            |
| 886 | 14:37:18 | 0,12            | 0,24            | 3,55            | 8,34                     | 9,03                     | 22,55                    | 1,87   | 1,87   | 1,56   | 3,57            |
| 887 | 14:37:23 | 0,12            | 0,23            | 3,63            | 8,34                     | 9,03                     | 22,57                    | 1,91   | 1,87   | 1,55   | 3,65            |
| 888 | 14:37:28 | 0,13            | 0,23            | 3,63            | 8,34                     | 9,03                     | 22,60                    | 2,06   | 1,85   | 1,55   | 3,65            |
| 889 | 14:37:33 | 0,13            | 0,23            | 3,67            | 8,34                     | 9,03                     | 22,63                    | 1,89   | 1,84   | 1,56   | 3,69            |
| 890 | 14:37:38 | 0,13            | 0,23            | 3,66            | 8,34                     | 9,03                     | 22,66                    | 1,97   | 1,84   | 1,52   | 3,68            |
| 891 | 14:37:43 | 0,13            | 0,24            | 3,62            | 8,34                     | 9,03                     | 22,69                    | 1,99   | 1,84   | 1,55   | 3,64            |
| 892 | 14:37:48 | 0,13            | 0,24            | 3,65            | 8,34                     | 9,03                     | 22,72                    | 1,99   | 1,82   | 1,58   | 3,67            |
| 893 | 14:37:53 | 0,13            | 0,23            | 3,67            | 8,34                     | 9,03                     | 22,74                    | 1,95   | 1,88   | 1,54   | 3,69            |
| 894 | 14:37:58 | 0,13            | 0,23            | 3,65            | 8,34                     | 9,03                     | 22,77                    | 2,01   | 1,84   | 1,53   | 3,67            |
| 895 | 14:38:03 | 0,13            | 0,23            | 3,66            | 8,34                     | 9,03                     | 22,80                    | 1,95   | 1,87   | 1,55   | 3,68            |
| 896 | 14:38:08 | 0,13            | 0,23            | 3,64            | 8,34                     | 9,03                     | 22,83                    | 1,92   | 1,83   | 1,55   | 3,66            |
| 897 | 14:38:13 | 0,14            | 0,23            | 3,65            | 8,34                     | 9,03                     | 22,85                    | 1,84   | 1,79   | 1,53   | 3,67            |
| 898 | 14:38:18 | 0,13            | 0,24            | 3,57            | 8,34                     | 9,03                     | 22,88                    | 1,85   | 1,85   | 1,53   | 3,59            |
| 899 | 14:38:23 | 0,13            | 0,24            | 3,44            | 8,34                     | 9,03                     | 22,90                    | 2,36   | 1,83   | 2,01   | 3,46            |
| 900 | 14:38:28 | 0,13            | 0,24            | 3,38            | 8,34                     | 9,03                     | 22,92                    | 1,94   | 1,83   | 1,55   | 3,41            |
| 901 | 14:38:33 | 0,13            | 0,24            | 3,40            | 8,34                     | 9,03                     | 22,94                    | 1,91   | 1,81   | 1,55   | 3,42            |
| 902 | 14:38:38 | 0,13            | 0,24            | 3,40            | 8,34                     | 9,03                     | 22,96                    | 1,89   | 1,82   | 1,54   | 3,43            |
| 903 | 14:38:43 | 0,13            | 0,25            | 3,41            | 8,34                     | 9,03                     | 22,98                    | 1,98   | 1,81   | 1,54   | 3,44            |
| 904 | 14:38:48 | 0,14            | 0,24            | 3,44            | 8,34                     | 9,03                     | 23,00                    | 1,94   | 1,82   | 1,53   | 3,46            |
| 905 | 14:38:53 | 0,13            | 0,24            | 3,43            | 8,34                     | 9,03                     | 23,02                    | 1,92   | 1,88   | 1,54   | 3,45            |
| 906 | 14:38:58 | 0,13            | 0,25            | 3,38            | 8,34                     | 9,03                     | 23,04                    | 1,85   | 1,89   | 1,52   | 3,40            |
| 907 | 14:39:03 | 0,13            | 0,25            | 3,35            | 8,34                     | 9,03                     | 23,06                    | 1,90   | 1,88   | 1,56   | 3,37            |
| 908 | 14:39:08 | 0,13            | 0,25            | 3,31            | 8,34                     | 9,03                     | 23,07                    | 1,72   | 2,06   | 1,52   | 3,33            |
| 909 | 14:39:13 | 0,10            | 0,30            | 3,54            | 8,34                     | 9,03                     | 23,10                    | 2,00   | 2,26   | 1,93   | 3,56            |
| 910 | 14:39:18 | 1,04            | 0,98            | 2,17            | 8,36                     | 9,05                     | 23,11                    | 1,69   | 2,74   | 1,59   | 2,96            |
| 911 | 14:39:23 | 0,94            | 1,65            | 1,63            | 8,36                     | 9,08                     | 23,11                    | 0,64   | 0,27   | 1,62   | 3,12            |
| 912 | 14:39:28 | 0,32            | 0,18            | 1,03            | 8,36                     | 9,08                     | 23,12                    | 1,12   | 2,59   | 0,56   | 1,15            |
| 913 | 14:39:33 | 0,14            | 0,10            | 0,33            | 8,36                     | 9,08                     | 23,12                    | 2,10   | 4,29   | 1,92   | 0,41            |
| 914 | 14:39:38 | 0,15            | 0,09            | 0,35            | 8,36                     | 9,08                     | 23,12                    | 1,79   | 1,79   | 1,91   | 0,42            |
| 915 | 14:39:43 | 0,14            | 0,07            | 0,31            | 8,36                     | 9,08                     | 23,12                    | 1,57   | 2,07   | 1,59   | 0,38            |
| 916 | 14:39:48 | 0,13            | 0,08            | 0,27            | 8,36                     | 9,08                     | 23,12                    | 1,87   | 3,09   | 1,51   | 0,34            |
| 917 | 14:39:53 | 0,13            | 0,08            | 0,25            | 8,36                     | 9,08                     | 23,12                    | 1,71   | 1,92   | 1,99   | 0,33            |
| 918 | 14:39:58 | 0,14            | 0,10            | 0,29            | 8,36                     | 9,08                     | 23,12                    | 1,83   | 2,42   | 2,13   | 0,37            |
| 919 | 14:40:03 | 0,14            | 0,09            | 0,32            | 8,36                     | 9,08                     | 23,12                    | 3,00   | 3,42   | 4,43   | 0,40            |
| 920 | 14:40:08 | 0,14            | 0,12            | 0,27            | 8,36                     | 9,08                     | 23,12                    | 2,16   | 2,39   | 2,12   | 0,38            |
| 921 | 14:40:13 | 0,13            | 0,13            | 0,23            | 8,36                     | 9,08                     | 23,12                    | 1,84   | 1,46   | 2,15   | 0,35            |
| 922 | 14:40:18 | 0,13            | 0,25            | 0,31            | 8,36                     | 9,08                     | 23,12                    | 1,20   | 0,80   | 3,02   | 0,51            |
| 923 | 14:40:23 | 0,15            | 0,21            | 0,31            | 8,36                     | 9,08                     | 23,12                    | 2,03   | 4,07   | 4,80   | 0,48            |
| 924 | 14:40:28 | 0,18            | 0,34            | 0,70            | 8,36                     | 9,08                     | 23,12                    | 3,02   | 2,17   | 2,96   | 0,88            |
| 925 | 14:40:33 | 0,17            | 0,21            | 0,71            | 8,36                     | 9,08                     | 23,12                    | 2,31   | 2,32   | 2,92   | 0,80            |
| 926 | 14:40:38 | 0,16            | 0,35            | 0,83            | 8,36                     | 9,08                     | 23,12                    | 2,94   | 1,93   | 3,08   | 0,99            |
| 927 | 14:40:43 | 0,14            | 0,33            | 0,68            | 8,36                     | 9,08                     | 23,12                    | 2,03   | 1,86   | 1,35   | 0,85            |
| 928 | 14:40:48 | 0,17            | 0,42            | 0,68            | 8,36                     | 9,08                     | 23,12                    | 1,75   | 1,59   | 2,06   | 0,93            |
| 929 | 14:40:53 | 0,18            | 0,32            | 0,92            | 8,36                     | 9,08                     | 23,12                    | 3,63   | 2,89   | 4,62   | 1,06            |
| 930 | 14:40:58 | 0,22            | 0,46            | 0,74            | 8,36                     | 9,08                     | 23,12                    | 1,49   | 1,35   | 1,70   | 1,03            |
| 931 | 14:41:03 | 0,13            | 0,31            | 0,63            | 8,36                     | 9,08                     | 23,12                    | 3,21   | 1,10   | 2,39   | 0,78            |
| 932 | 14:41:08 | 0,16            | 0,30            | 0,67            | 8,36                     | 9,08                     | 23,12                    | 2,83   | 3,13   | 2,68   | 0,82            |
| 933 | 14:41:13 | 0,12            | 0,32            | 0,68            | 8,36                     | 9,08                     | 23,12                    | 2,58   | 2,78   | 2,07   | 0,83            |
| 934 | 14:41:18 | 0,20            | 0,41            | 0,80            | 8,36                     | 9,08                     | 23,12                    | 3,07   | 1,96   | 1,70   | 1,02            |
| 935 | 14:41:23 | 0,20            | 0,40            | 0,84            | 8,36                     | 9,08                     | 23,12                    | 2,17   | 3,42   | 2,27   | 1,05            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 936 | 14:41:28 | 0,18            | 0,41            | 0,84            | 8,36                     | 9,08                     | 23,12                    | 2,11   | 1,10   | 2,13   | 1,05            |
| 937 | 14:41:33 | 0,16            | 0,34            | 0,94            | 8,36                     | 9,08                     | 23,12                    | 3,89   | 2,59   | 2,05   | 1,08            |
| 938 | 14:41:38 | 0,22            | 0,44            | 0,79            | 8,36                     | 9,08                     | 23,12                    | 1,81   | 1,09   | 2,15   | 1,05            |
| 939 | 14:41:43 | 0,15            | 0,21            | 0,60            | 8,36                     | 9,08                     | 23,12                    | 1,70   | 2,40   | 1,67   | 0,70            |
| 940 | 14:41:48 | 0,12            | 0,22            | 0,56            | 8,36                     | 9,08                     | 23,12                    | 1,79   | 3,47   | 2,12   | 0,66            |
| 941 | 14:41:53 | 0,29            | 0,51            | 0,88            | 8,36                     | 9,08                     | 23,12                    | 4,72   | 1,64   | 3,07   | 1,20            |
| 942 | 14:41:58 | 0,47            | 0,34            | 0,91            | 8,36                     | 9,08                     | 23,12                    | 1,01   | 2,64   | 1,99   | 1,22            |
| 943 | 14:42:03 | 0,27            | 0,33            | 0,94            | 8,36                     | 9,08                     | 23,12                    | 1,29   | 2,65   | 1,65   | 1,12            |
| 944 | 14:42:08 | 0,13            | 0,20            | 0,74            | 8,36                     | 9,08                     | 23,12                    | 2,82   | 3,01   | 2,70   | 0,81            |
| 945 | 14:42:13 | 0,15            | 0,25            | 1,02            | 8,36                     | 9,08                     | 23,12                    | 2,81   | 1,52   | 2,59   | 1,10            |
| 946 | 14:42:18 | 0,17            | 0,21            | 0,74            | 8,36                     | 9,08                     | 23,12                    | 2,52   | 2,40   | 2,27   | 0,84            |
| 947 | 14:42:23 | 0,14            | 0,20            | 0,77            | 8,36                     | 9,08                     | 23,12                    | 2,63   | 2,74   | 2,27   | 0,84            |
| 948 | 14:42:28 | 0,23            | 0,23            | 1,09            | 8,36                     | 9,08                     | 23,12                    | 1,69   | 1,46   | 1,78   | 1,18            |
| 949 | 14:42:33 | 0,20            | 0,19            | 0,72            | 8,36                     | 9,08                     | 23,12                    | 2,19   | 2,36   | 2,41   | 0,82            |
| 950 | 14:42:38 | 0,15            | 0,21            | 0,69            | 8,36                     | 9,08                     | 23,12                    | 2,34   | 1,62   | 2,22   | 0,78            |
| 951 | 14:42:43 | 0,14            | 0,23            | 0,76            | 8,36                     | 9,08                     | 23,12                    | 2,48   | 3,30   | 2,51   | 0,85            |
| 952 | 14:42:48 | 0,17            | 0,30            | 0,87            | 8,36                     | 9,08                     | 23,12                    | 2,21   | 2,35   | 3,80   | 1,00            |
| 953 | 14:42:53 | 0,17            | 0,24            | 0,80            | 8,36                     | 9,08                     | 23,12                    | 3,49   | 3,76   | 2,44   | 0,90            |
| 954 | 14:42:58 | 0,17            | 0,27            | 0,87            | 8,36                     | 9,08                     | 23,12                    | 2,10   | 2,50   | 3,46   | 0,98            |
| 955 | 14:43:03 | 0,15            | 0,23            | 0,67            | 8,36                     | 9,08                     | 23,12                    | 3,65   | 2,53   | 2,68   | 0,77            |
| 956 | 14:43:08 | 0,14            | 0,25            | 0,78            | 8,36                     | 9,08                     | 23,12                    | 2,51   | 1,83   | 2,04   | 0,88            |
| 957 | 14:43:13 | 0,18            | 0,25            | 0,86            | 8,36                     | 9,08                     | 23,12                    | 2,10   | 3,29   | 2,91   | 0,96            |
| 958 | 14:43:18 | 0,16            | 0,21            | 0,99            | 8,36                     | 9,08                     | 23,12                    | 1,84   | 2,11   | 2,45   | 1,06            |
| 959 | 14:43:23 | 0,15            | 0,29            | 0,85            | 8,36                     | 9,08                     | 23,12                    | 3,07   | 2,01   | 2,86   | 0,96            |
| 960 | 14:43:28 | 0,17            | 0,32            | 0,95            | 8,36                     | 9,08                     | 23,12                    | 2,36   | 1,98   | 2,77   | 1,08            |
| 961 | 14:43:33 | 0,21            | 0,28            | 1,07            | 8,36                     | 9,08                     | 23,12                    | 1,30   | 3,24   | 2,77   | 1,18            |
| 962 | 14:43:38 | 0,14            | 0,31            | 0,84            | 8,36                     | 9,08                     | 23,12                    | 2,68   | 2,29   | 2,41   | 0,97            |
| 963 | 14:43:43 | 0,15            | 0,35            | 1,01            | 8,36                     | 9,08                     | 23,12                    | 2,93   | 2,05   | 2,82   | 1,14            |
| 964 | 14:43:48 | 0,20            | 0,44            | 1,22            | 8,36                     | 9,08                     | 23,12                    | 3,49   | 2,54   | 2,70   | 1,40            |
| 965 | 14:43:53 | 0,40            | 0,45            | 0,96            | 8,36                     | 9,08                     | 23,12                    | 0,77   | 1,41   | 1,15   | 1,27            |
| 966 | 14:43:58 | 0,22            | 0,32            | 0,62            | 8,36                     | 9,08                     | 23,12                    | 1,79   | 2,00   | 2,40   | 0,83            |
| 967 | 14:44:03 | 0,16            | 0,21            | 0,66            | 8,36                     | 9,08                     | 23,12                    | 2,70   | 2,00   | 2,53   | 0,76            |
| 968 | 14:44:08 | 0,13            | 0,22            | 0,73            | 8,36                     | 9,08                     | 23,12                    | 2,46   | 1,52   | 2,16   | 0,81            |
| 969 | 14:44:13 | 0,15            | 0,22            | 0,93            | 8,36                     | 9,08                     | 23,12                    | 2,03   | 1,69   | 2,74   | 1,01            |
| 970 | 14:44:18 | 0,13            | 0,22            | 0,79            | 8,36                     | 9,08                     | 23,12                    | 2,12   | 1,70   | 2,20   | 0,87            |
| 971 | 14:44:23 | 0,14            | 0,20            | 0,77            | 8,36                     | 9,08                     | 23,12                    | 3,06   | 2,86   | 1,79   | 0,85            |
| 972 | 14:44:29 | 0,11            | 0,28            | 0,60            | 8,36                     | 9,08                     | 23,12                    | 3,70   | 2,44   | 2,49   | 0,73            |
| 973 | 14:44:34 | 0,13            | 0,20            | 0,77            | 8,36                     | 9,08                     | 23,12                    | 2,09   | 1,55   | 2,46   | 0,83            |
| 974 | 14:44:39 | 0,09            | 0,21            | 0,69            | 8,36                     | 9,08                     | 23,12                    | 3,09   | 3,46   | 3,25   | 0,76            |
| 975 | 14:44:44 | 0,11            | 0,22            | 0,72            | 8,36                     | 9,08                     | 23,12                    | 1,96   | 2,44   | 3,12   | 0,80            |
| 976 | 14:44:49 | 0,11            | 0,23            | 0,68            | 8,36                     | 9,08                     | 23,12                    | 2,19   | 1,77   | 2,36   | 0,76            |
| 977 | 14:44:54 | 0,10            | 0,19            | 0,79            | 8,36                     | 9,08                     | 23,12                    | 2,36   | 2,80   | 2,13   | 0,84            |
| 978 | 14:44:59 | 0,11            | 0,18            | 0,67            | 8,36                     | 9,08                     | 23,12                    | 2,50   | 2,13   | 2,34   | 0,74            |
| 979 | 14:45:04 | 0,13            | 0,18            | 0,63            | 8,36                     | 9,08                     | 23,12                    | 2,61   | 1,99   | 2,67   | 0,70            |
| 980 | 14:45:09 | 0,16            | 0,30            | 0,78            | 8,36                     | 9,08                     | 23,12                    | 2,65   | 2,55   | 2,52   | 0,91            |
| 981 | 14:45:14 | 0,15            | 0,25            | 0,69            | 8,36                     | 9,08                     | 23,12                    | 1,96   | 1,53   | 2,39   | 0,80            |
| 982 | 14:45:19 | 0,14            | 0,21            | 0,74            | 8,36                     | 9,08                     | 23,12                    | 3,27   | 2,96   | 2,70   | 0,82            |
| 983 | 14:45:24 | 0,16            | 0,24            | 0,94            | 8,36                     | 9,08                     | 23,12                    | 2,25   | 2,78   | 2,20   | 1,02            |
| 984 | 14:45:29 | 0,13            | 0,19            | 0,71            | 8,36                     | 9,08                     | 23,12                    | 2,33   | 2,65   | 2,27   | 0,78            |
| 985 | 14:45:34 | 0,24            | 0,39            | 1,14            | 8,36                     | 9,08                     | 23,12                    | 2,27   | 3,66   | 2,45   | 1,31            |
| 986 | 14:45:39 | 0,16            | 0,31            | 1,07            | 8,36                     | 9,08                     | 23,12                    | 2,65   | 2,01   | 1,65   | 1,18            |
| 987 | 14:45:44 | 0,12            | 0,24            | 0,85            | 8,36                     | 9,08                     | 23,13                    | 2,76   | 2,08   | 2,54   | 0,93            |
| 988 | 14:45:49 | 0,14            | 0,23            | 0,83            | 8,36                     | 9,08                     | 23,13                    | 1,82   | 2,21   | 2,22   | 0,91            |
| 989 | 14:45:54 | 0,11            | 0,29            | 0,73            | 8,36                     | 9,08                     | 23,13                    | 2,42   | 1,68   | 1,95   | 0,85            |
| 990 | 14:45:59 | 0,11            | 0,23            | 0,64            | 8,36                     | 9,08                     | 23,13                    | 1,97   | 1,92   | 1,88   | 0,73            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 991  | 14:46:04 | 0,11            | 0,20            | 0,67            | 8,36                     | 9,08                     | 23,13                    | 2,72   | 2,72   | 3,98   | 0,75            |
| 992  | 14:46:09 | 0,12            | 0,18            | 0,79            | 8,36                     | 9,08                     | 23,13                    | 2,41   | 2,49   | 3,15   | 0,85            |
| 993  | 14:46:14 | 0,26            | 0,23            | 0,67            | 8,36                     | 9,08                     | 23,13                    | 1,48   | 2,36   | 2,69   | 0,83            |
| 994  | 14:46:19 | 0,36            | 0,29            | 0,65            | 8,36                     | 9,08                     | 23,13                    | 1,80   | 1,97   | 2,89   | 0,92            |
| 995  | 14:46:24 | 0,42            | 0,31            | 0,85            | 8,36                     | 9,08                     | 23,13                    | 0,92   | 1,24   | 1,23   | 1,12            |
| 996  | 14:46:29 | 0,43            | 0,27            | 0,52            | 8,36                     | 9,08                     | 23,13                    | 0,92   | 1,20   | 2,62   | 0,88            |
| 997  | 14:46:34 | 0,27            | 0,41            | 0,41            | 8,36                     | 9,08                     | 23,13                    | 0,98   | 0,72   | 3,18   | 0,80            |
| 998  | 14:46:39 | 0,11            | 0,18            | 0,50            | 8,36                     | 9,08                     | 23,13                    | 2,26   | 2,57   | 1,83   | 0,58            |
| 999  | 14:46:44 | 0,14            | 0,21            | 0,62            | 8,36                     | 9,08                     | 23,13                    | 2,09   | 1,36   | 3,45   | 0,72            |
| 1000 | 14:46:49 | 0,18            | 0,20            | 0,85            | 8,36                     | 9,08                     | 23,13                    | 1,52   | 2,23   | 1,76   | 0,93            |
| 1001 | 14:46:54 | 0,10            | 0,16            | 0,58            | 8,36                     | 9,08                     | 23,13                    | 3,07   | 2,97   | 2,55   | 0,64            |
| 1002 | 14:46:59 | 0,13            | 0,22            | 0,79            | 8,36                     | 9,08                     | 23,13                    | 1,62   | 2,18   | 2,15   | 0,87            |
| 1003 | 14:47:04 | 0,11            | 0,23            | 0,64            | 8,36                     | 9,08                     | 23,13                    | 2,45   | 2,31   | 2,95   | 0,73            |
| 1004 | 14:47:09 | 0,11            | 0,20            | 0,83            | 8,36                     | 9,08                     | 23,13                    | 2,41   | 2,85   | 1,94   | 0,89            |
| 1005 | 14:47:14 | 0,17            | 0,34            | 0,97            | 8,36                     | 9,08                     | 23,13                    | 1,92   | 1,38   | 1,58   | 1,11            |
| 1006 | 14:47:19 | 0,13            | 0,29            | 0,74            | 8,36                     | 9,08                     | 23,13                    | 1,68   | 2,23   | 2,14   | 0,87            |
| 1007 | 14:47:24 | 0,13            | 0,30            | 0,84            | 8,36                     | 9,08                     | 23,13                    | 2,81   | 2,07   | 4,28   | 0,95            |
| 1008 | 14:47:29 | 0,09            | 0,12            | 0,57            | 8,36                     | 9,08                     | 23,13                    | 2,99   | 2,94   | 2,79   | 0,61            |
| 1009 | 14:47:34 | 0,12            | 0,20            | 0,82            | 8,36                     | 9,08                     | 23,13                    | 2,78   | 2,74   | 2,25   | 0,88            |
| 1010 | 14:47:39 | 0,17            | 0,43            | 1,04            | 8,36                     | 9,08                     | 23,13                    | 2,56   | 1,13   | 2,36   | 1,23            |
| 1011 | 14:47:44 | 0,17            | 0,29            | 0,93            | 8,36                     | 9,08                     | 23,13                    | 2,72   | 2,63   | 2,03   | 1,04            |
| 1012 | 14:47:49 | 0,26            | 0,21            | 0,83            | 8,36                     | 9,08                     | 23,13                    | 1,81   | 1,59   | 2,01   | 0,95            |
| 1013 | 14:47:54 | 0,37            | 0,20            | 0,85            | 8,36                     | 9,08                     | 23,13                    | 2,00   | 2,33   | 2,88   | 1,03            |
| 1014 | 14:47:59 | 0,23            | 0,19            | 0,59            | 8,36                     | 9,08                     | 23,13                    | 1,31   | 3,13   | 1,89   | 0,72            |
| 1015 | 14:48:04 | 0,20            | 0,18            | 0,67            | 8,36                     | 9,08                     | 23,13                    | 1,90   | 2,21   | 1,91   | 0,77            |
| 1016 | 14:48:09 | 0,10            | 0,18            | 0,52            | 8,36                     | 9,08                     | 23,13                    | 2,85   | 1,54   | 2,56   | 0,60            |
| 1017 | 14:48:14 | 0,14            | 0,19            | 0,63            | 8,36                     | 9,08                     | 23,13                    | 2,19   | 2,20   | 1,62   | 0,71            |
| 1018 | 14:48:19 | 0,14            | 0,20            | 0,61            | 8,36                     | 9,08                     | 23,13                    | 2,48   | 2,05   | 2,49   | 0,70            |
| 1019 | 14:48:24 | 0,14            | 0,16            | 0,65            | 8,36                     | 9,08                     | 23,13                    | 2,20   | 2,92   | 2,38   | 0,72            |
| 1020 | 14:48:29 | 0,13            | 0,16            | 0,57            | 8,36                     | 9,08                     | 23,13                    | 2,48   | 1,66   | 2,11   | 0,64            |
| 1021 | 14:48:34 | 0,12            | 0,17            | 0,51            | 8,36                     | 9,08                     | 23,13                    | 2,66   | 2,23   | 3,15   | 0,59            |
| 1022 | 14:48:39 | 0,10            | 0,13            | 0,54            | 8,36                     | 9,08                     | 23,13                    | 2,16   | 2,68   | 1,71   | 0,59            |
| 1023 | 14:48:44 | 0,10            | 0,18            | 0,57            | 8,36                     | 9,08                     | 23,13                    | 3,05   | 1,71   | 1,58   | 0,63            |
| 1024 | 14:48:49 | 0,15            | 0,18            | 0,50            | 8,36                     | 9,08                     | 23,13                    | 2,10   | 2,71   | 2,27   | 0,60            |
| 1025 | 14:48:54 | 0,16            | 0,30            | 0,65            | 8,36                     | 9,08                     | 23,13                    | 2,17   | 2,14   | 2,87   | 0,81            |
| 1026 | 14:48:59 | 0,19            | 0,28            | 0,85            | 8,36                     | 9,08                     | 23,13                    | 2,72   | 2,87   | 5,79   | 0,98            |
| 1027 | 14:49:04 | 0,15            | 0,21            | 0,78            | 8,36                     | 9,08                     | 23,13                    | 2,16   | 1,92   | 2,33   | 0,86            |
| 1028 | 14:49:09 | 0,15            | 0,20            | 0,83            | 8,36                     | 9,08                     | 23,13                    | 2,79   | 1,74   | 2,48   | 0,90            |
| 1029 | 14:49:14 | 0,13            | 0,17            | 0,66            | 8,36                     | 9,08                     | 23,13                    | 1,93   | 2,60   | 2,47   | 0,73            |
| 1030 | 14:49:19 | 0,17            | 0,30            | 1,16            | 8,36                     | 9,08                     | 23,13                    | 2,45   | 1,88   | 2,35   | 1,25            |
| 1031 | 14:49:24 | 0,16            | 0,25            | 0,50            | 8,36                     | 9,08                     | 23,13                    | 3,26   | 1,22   | 2,07   | 0,64            |
| 1032 | 14:49:29 | 0,18            | 0,29            | 0,62            | 8,36                     | 9,08                     | 23,13                    | 1,91   | 3,29   | 4,31   | 0,78            |
| 1033 | 14:49:34 | 0,18            | 0,38            | 1,04            | 8,36                     | 9,08                     | 23,13                    | 1,94   | 1,61   | 1,30   | 1,20            |
| 1034 | 14:49:39 | 0,15            | 0,29            | 0,86            | 8,36                     | 9,08                     | 23,13                    | 1,45   | 1,65   | 1,45   | 0,97            |
| 1035 | 14:49:44 | 0,38            | 0,18            | 0,50            | 8,36                     | 9,08                     | 23,13                    | 4,96   | 2,71   | 2,60   | 0,77            |
| 1036 | 14:49:49 | 0,40            | 0,20            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 0,52   | 1,91   | 2,33   | 0,79            |
| 1037 | 14:49:54 | 0,13            | 0,18            | 0,41            | 8,37                     | 9,08                     | 23,13                    | 2,36   | 1,89   | 2,43   | 0,51            |
| 1038 | 14:49:59 | 0,38            | 0,30            | 1,07            | 8,37                     | 9,08                     | 23,13                    | 1,70   | 2,70   | 3,87   | 1,27            |
| 1039 | 14:50:04 | 0,29            | 0,18            | 0,44            | 8,37                     | 9,08                     | 23,13                    | 0,58   | 1,01   | 1,68   | 0,65            |
| 1040 | 14:50:09 | 0,19            | 0,20            | 0,47            | 8,37                     | 9,08                     | 23,13                    | 1,72   | 2,12   | 4,23   | 0,61            |
| 1041 | 14:50:14 | 0,17            | 0,29            | 0,79            | 8,37                     | 9,08                     | 23,13                    | 2,23   | 1,70   | 2,57   | 0,92            |
| 1042 | 14:50:19 | 0,13            | 0,29            | 0,59            | 8,37                     | 9,08                     | 23,13                    | 2,50   | 2,01   | 1,82   | 0,74            |
| 1043 | 14:50:24 | 0,15            | 0,23            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,67   | 1,16   | 2,37   | 0,72            |
| 1044 | 14:50:29 | 0,32            | 0,14            | 0,42            | 8,37                     | 9,08                     | 23,13                    | 1,67   | 2,51   | 2,02   | 0,65            |
| 1045 | 14:50:34 | 0,32            | 0,25            | 0,68            | 8,37                     | 9,08                     | 23,13                    | 1,28   | 2,29   | 2,00   | 0,89            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1046 | 14:50:39 | 0,20            | 0,32            | 0,63            | 8,37                     | 9,08                     | 23,13                    | 1,69   | 2,08   | 1,55   | 0,82            |
| 1047 | 14:50:44 | 0,10            | 0,22            | 0,43            | 8,37                     | 9,08                     | 23,13                    | 1,90   | 1,07   | 1,44   | 0,55            |
| 1048 | 14:50:49 | 0,17            | 0,16            | 0,42            | 8,37                     | 9,08                     | 23,13                    | 2,05   | 2,20   | 2,34   | 0,53            |
| 1049 | 14:50:54 | 0,12            | 0,11            | 0,39            | 8,37                     | 9,08                     | 23,13                    | 1,81   | 2,32   | 2,28   | 0,45            |
| 1050 | 14:50:59 | 0,45            | 0,15            | 0,64            | 8,37                     | 9,08                     | 23,13                    | 1,56   | 1,89   | 2,36   | 0,92            |
| 1051 | 14:51:04 | 0,38            | 0,15            | 0,70            | 8,37                     | 9,08                     | 23,13                    | 0,63   | 1,65   | 1,56   | 0,90            |
| 1052 | 14:51:09 | 0,13            | 0,12            | 0,57            | 8,37                     | 9,08                     | 23,13                    | 1,66   | 1,76   | 1,53   | 0,62            |
| 1053 | 14:51:14 | 0,14            | 0,12            | 0,63            | 8,37                     | 9,08                     | 23,13                    | 1,76   | 1,92   | 1,75   | 0,68            |
| 1054 | 14:51:19 | 0,11            | 0,15            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,19   | 2,63   | 1,31   | 0,66            |
| 1055 | 14:51:24 | 0,24            | 0,29            | 0,97            | 8,37                     | 9,08                     | 23,13                    | 1,95   | 1,80   | 1,64   | 1,11            |
| 1056 | 14:51:29 | 0,15            | 0,21            | 0,51            | 8,37                     | 9,08                     | 23,13                    | 1,69   | 1,43   | 2,05   | 0,63            |
| 1057 | 14:51:34 | 0,11            | 0,18            | 0,64            | 8,37                     | 9,08                     | 23,13                    | 2,61   | 2,60   | 2,16   | 0,70            |
| 1058 | 14:51:39 | 0,12            | 0,14            | 0,50            | 8,37                     | 9,08                     | 23,13                    | 2,99   | 3,19   | 2,71   | 0,56            |
| 1059 | 14:51:44 | 0,17            | 0,19            | 0,70            | 8,37                     | 9,08                     | 23,13                    | 1,27   | 1,70   | 1,15   | 0,79            |
| 1060 | 14:51:49 | 0,13            | 0,24            | 0,65            | 8,37                     | 9,08                     | 23,13                    | 2,56   | 2,73   | 2,96   | 0,75            |
| 1061 | 14:51:54 | 0,16            | 0,18            | 0,59            | 8,37                     | 9,08                     | 23,13                    | 1,59   | 1,73   | 1,76   | 0,68            |
| 1062 | 14:51:59 | 0,24            | 0,31            | 0,44            | 8,37                     | 9,08                     | 23,13                    | 0,96   | 1,10   | 1,89   | 0,70            |
| 1063 | 14:52:05 | 0,18            | 0,33            | 0,67            | 8,37                     | 9,08                     | 23,13                    | 1,86   | 1,62   | 1,13   | 0,85            |
| 1064 | 14:52:10 | 0,18            | 0,26            | 0,52            | 8,37                     | 9,08                     | 23,13                    | 2,47   | 1,70   | 2,28   | 0,68            |
| 1065 | 14:52:15 | 0,17            | 0,14            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 2,51   | 2,27   | 2,53   | 0,57            |
| 1066 | 14:52:20 | 0,13            | 0,13            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 1,90   | 1,85   | 3,09   | 0,55            |
| 1067 | 14:52:25 | 0,41            | 0,15            | 0,59            | 8,37                     | 9,08                     | 23,13                    | 2,84   | 2,33   | 3,57   | 0,85            |
| 1068 | 14:52:30 | 0,23            | 0,12            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 0,81   | 3,10   | 2,49   | 0,60            |
| 1069 | 14:52:35 | 0,22            | 0,23            | 0,79            | 8,37                     | 9,08                     | 23,13                    | 1,58   | 1,40   | 1,64   | 0,91            |
| 1070 | 14:52:40 | 0,14            | 0,18            | 0,55            | 8,37                     | 9,08                     | 23,13                    | 2,73   | 1,79   | 3,42   | 0,64            |
| 1071 | 14:52:45 | 0,14            | 0,18            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 3,30   | 1,51   | 2,94   | 0,58            |
| 1072 | 14:52:50 | 0,27            | 0,13            | 0,54            | 8,37                     | 9,08                     | 23,13                    | 2,30   | 2,28   | 3,17   | 0,68            |
| 1073 | 14:52:55 | 0,28            | 0,17            | 0,66            | 8,37                     | 9,08                     | 23,13                    | 0,94   | 1,78   | 3,07   | 0,81            |
| 1074 | 14:53:00 | 0,20            | 0,20            | 0,63            | 8,37                     | 9,08                     | 23,13                    | 1,93   | 2,47   | 2,32   | 0,74            |
| 1075 | 14:53:06 | 0,17            | 0,19            | 0,68            | 8,37                     | 9,08                     | 23,13                    | 1,54   | 1,53   | 1,90   | 0,76            |
| 1076 | 14:53:11 | 0,13            | 0,16            | 0,46            | 8,37                     | 9,08                     | 23,13                    | 1,74   | 1,85   | 1,78   | 0,54            |
| 1077 | 14:53:16 | 0,14            | 0,16            | 0,51            | 8,37                     | 9,08                     | 23,13                    | 1,83   | 2,76   | 1,48   | 0,59            |
| 1078 | 14:53:21 | 0,14            | 0,24            | 0,52            | 8,37                     | 9,08                     | 23,13                    | 1,75   | 1,45   | 2,78   | 0,65            |
| 1079 | 14:53:26 | 0,14            | 0,16            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 2,18   | 2,46   | 2,01   | 0,57            |
| 1080 | 14:53:31 | 0,12            | 0,20            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 2,56   | 2,18   | 2,90   | 0,59            |
| 1081 | 14:53:36 | 0,29            | 0,18            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,90   | 2,69   | 1,89   | 0,78            |
| 1082 | 14:53:41 | 0,30            | 0,20            | 0,71            | 8,37                     | 9,08                     | 23,13                    | 1,49   | 2,17   | 2,04   | 0,87            |
| 1083 | 14:53:46 | 0,14            | 0,16            | 0,65            | 8,37                     | 9,08                     | 23,13                    | 1,75   | 2,33   | 1,01   | 0,71            |
| 1084 | 14:53:51 | 0,11            | 0,16            | 0,40            | 8,37                     | 9,08                     | 23,13                    | 2,18   | 3,40   | 3,03   | 0,48            |
| 1085 | 14:53:56 | 0,20            | 0,14            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 2,99   | 2,62   | 2,72   | 0,59            |
| 1086 | 14:54:01 | 0,32            | 0,20            | 0,70            | 8,37                     | 9,08                     | 23,13                    | 2,32   | 3,08   | 2,85   | 0,87            |
| 1087 | 14:54:06 | 0,17            | 0,30            | 0,82            | 8,37                     | 9,08                     | 23,13                    | 1,46   | 1,44   | 1,51   | 0,96            |
| 1088 | 14:54:11 | 0,28            | 0,30            | 0,82            | 8,37                     | 9,08                     | 23,13                    | 3,32   | 1,38   | 3,16   | 1,00            |
| 1089 | 14:54:16 | 0,49            | 0,24            | 0,98            | 8,37                     | 9,08                     | 23,13                    | 0,84   | 1,90   | 0,71   | 1,24            |
| 1090 | 14:54:21 | 0,17            | 0,23            | 0,50            | 8,37                     | 9,08                     | 23,13                    | 1,69   | 1,27   | 1,65   | 0,64            |
| 1091 | 14:54:26 | 0,22            | 0,24            | 0,92            | 8,37                     | 9,08                     | 23,13                    | 1,15   | 2,05   | 1,98   | 1,03            |
| 1092 | 14:54:31 | 0,11            | 0,23            | 0,97            | 8,37                     | 9,08                     | 23,13                    | 1,99   | 1,84   | 1,86   | 1,03            |
| 1093 | 14:54:36 | 0,16            | 0,19            | 0,54            | 8,37                     | 9,08                     | 23,13                    | 1,39   | 1,41   | 1,22   | 0,64            |
| 1094 | 14:54:41 | 0,21            | 0,29            | 0,41            | 8,37                     | 9,08                     | 23,13                    | 2,11   | 2,11   | 1,67   | 0,65            |
| 1095 | 14:54:46 | 0,13            | 0,17            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,69   | 2,56   | 2,84   | 0,69            |
| 1096 | 14:54:51 | 0,25            | 0,18            | 0,64            | 8,37                     | 9,08                     | 23,13                    | 2,26   | 2,66   | 3,96   | 0,77            |
| 1097 | 14:54:56 | 0,22            | 0,16            | 0,71            | 8,37                     | 9,08                     | 23,13                    | 1,51   | 0,93   | 1,19   | 0,80            |
| 1098 | 14:55:01 | 0,16            | 0,16            | 0,77            | 8,37                     | 9,08                     | 23,13                    | 1,47   | 1,63   | 1,73   | 0,83            |
| 1099 | 14:55:06 | 0,13            | 0,16            | 0,84            | 8,37                     | 9,08                     | 23,13                    | 2,16   | 1,78   | 1,75   | 0,89            |
| 1100 | 14:55:11 | 0,45            | 0,23            | 1,01            | 8,37                     | 9,08                     | 23,13                    | 0,89   | 2,61   | 1,71   | 1,23            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1101 | 14:55:16 | 0,30            | 0,42            | 0,99            | 8,37                     | 9,08                     | 23,13                    | 4,21   | 4,01   | 5,08   | 1,22            |
| 1102 | 14:55:21 | 0,20            | 0,25            | 0,55            | 8,37                     | 9,08                     | 23,13                    | 1,62   | 0,91   | 1,71   | 0,71            |
| 1103 | 14:55:26 | 0,15            | 0,11            | 0,59            | 8,37                     | 9,08                     | 23,13                    | 1,89   | 2,38   | 1,65   | 0,64            |
| 1104 | 14:55:31 | 0,15            | 0,11            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 1,75   | 1,94   | 1,28   | 0,55            |
| 1105 | 14:55:36 | 0,16            | 0,14            | 0,41            | 8,37                     | 9,08                     | 23,13                    | 2,78   | 3,74   | 2,79   | 0,50            |
| 1106 | 14:55:41 | 0,22            | 0,28            | 0,57            | 8,37                     | 9,08                     | 23,13                    | 1,75   | 1,46   | 1,86   | 0,75            |
| 1107 | 14:55:46 | 0,19            | 0,18            | 0,66            | 8,37                     | 9,08                     | 23,13                    | 1,58   | 2,09   | 2,01   | 0,76            |
| 1108 | 14:55:51 | 0,15            | 0,19            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,86   | 1,73   | 2,02   | 0,70            |
| 1109 | 14:55:56 | 0,15            | 0,21            | 0,57            | 8,37                     | 9,08                     | 23,13                    | 1,85   | 1,66   | 2,14   | 0,67            |
| 1110 | 14:56:01 | 0,15            | 0,21            | 0,58            | 8,37                     | 9,08                     | 23,13                    | 2,49   | 3,25   | 2,13   | 0,68            |
| 1111 | 14:56:06 | 0,15            | 0,21            | 0,57            | 8,37                     | 9,08                     | 23,13                    | 1,86   | 1,73   | 2,00   | 0,68            |
| 1112 | 14:56:11 | 0,15            | 0,21            | 0,59            | 8,37                     | 9,08                     | 23,13                    | 1,82   | 1,60   | 2,08   | 0,70            |
| 1113 | 14:56:16 | 0,15            | 0,21            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,83   | 1,62   | 2,02   | 0,71            |
| 1114 | 14:56:21 | 0,15            | 0,21            | 0,61            | 8,37                     | 9,08                     | 23,13                    | 1,84   | 1,59   | 2,14   | 0,71            |
| 1115 | 14:56:27 | 0,15            | 0,22            | 0,62            | 8,37                     | 9,08                     | 23,13                    | 2,17   | 3,38   | 1,80   | 0,72            |
| 1116 | 14:56:32 | 0,15            | 0,22            | 0,54            | 8,37                     | 9,08                     | 23,13                    | 1,74   | 1,54   | 2,02   | 0,66            |
| 1117 | 14:56:37 | 0,15            | 0,24            | 0,50            | 8,37                     | 9,08                     | 23,13                    | 2,62   | 3,10   | 1,84   | 0,64            |
| 1118 | 14:56:42 | 0,15            | 0,24            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 1,76   | 1,55   | 1,86   | 0,63            |
| 1119 | 14:56:48 | 0,15            | 0,24            | 0,49            | 8,37                     | 9,08                     | 23,13                    | 1,82   | 1,55   | 1,82   | 0,63            |
| 1120 | 14:56:53 | 0,15            | 0,24            | 0,47            | 8,37                     | 9,08                     | 23,13                    | 1,86   | 1,54   | 1,95   | 0,62            |
| 1121 | 14:56:58 | 0,15            | 0,24            | 0,48            | 8,37                     | 9,08                     | 23,13                    | 1,75   | 1,60   | 2,08   | 0,62            |
| 1122 | 14:57:03 | 0,16            | 0,30            | 0,83            | 8,37                     | 9,08                     | 23,13                    | 1,93   | 1,85   | 2,42   | 0,96            |
| 1123 | 14:57:08 | 0,15            | 0,30            | 1,06            | 8,37                     | 9,08                     | 23,14                    | 1,57   | 1,47   | 2,30   | 1,16            |
| 1124 | 14:57:13 | 0,15            | 0,31            | 1,15            | 8,37                     | 9,08                     | 23,14                    | 1,91   | 1,81   | 2,09   | 1,25            |
| 1125 | 14:57:18 | 0,14            | 0,32            | 1,41            | 8,37                     | 9,08                     | 23,14                    | 1,63   | 1,48   | 1,88   | 1,49            |
| 1126 | 14:57:23 | 0,14            | 0,31            | 1,48            | 8,37                     | 9,08                     | 23,14                    | 1,90   | 3,26   | 1,78   | 1,56            |
| 1127 | 14:57:28 | 0,14            | 0,31            | 1,50            | 8,37                     | 9,08                     | 23,14                    | 1,76   | 1,47   | 1,76   | 1,57            |
| 1128 | 14:57:33 | 0,13            | 0,31            | 1,53            | 8,37                     | 9,08                     | 23,14                    | 1,75   | 1,45   | 1,83   | 1,60            |
| 1129 | 14:57:38 | 0,13            | 0,31            | 1,53            | 8,37                     | 9,08                     | 23,14                    | 1,69   | 1,47   | 1,79   | 1,60            |
| 1130 | 14:57:43 | 0,13            | 0,31            | 1,54            | 8,37                     | 9,08                     | 23,14                    | 1,70   | 1,49   | 1,75   | 1,61            |
| 1131 | 14:57:48 | 0,13            | 0,32            | 1,53            | 8,37                     | 9,08                     | 23,14                    | 1,66   | 1,45   | 1,74   | 1,61            |
| 1132 | 14:57:53 | 0,14            | 0,32            | 1,52            | 8,37                     | 9,08                     | 23,14                    | 1,73   | 1,46   | 1,76   | 1,60            |
| 1133 | 14:57:58 | 0,14            | 0,31            | 1,53            | 8,37                     | 9,08                     | 23,14                    | 1,67   | 1,44   | 1,71   | 1,60            |
| 1134 | 14:58:03 | 0,14            | 0,32            | 1,56            | 8,37                     | 9,08                     | 23,14                    | 1,67   | 1,47   | 1,78   | 1,63            |
| 1135 | 14:58:08 | 0,14            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,14                    | 1,65   | 1,45   | 1,77   | 1,66            |
| 1136 | 14:58:13 | 0,14            | 0,32            | 1,58            | 8,37                     | 9,08                     | 23,15                    | 1,70   | 1,50   | 1,79   | 1,66            |
| 1137 | 14:58:18 | 0,14            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,15                    | 1,75   | 1,61   | 1,69   | 1,66            |
| 1138 | 14:58:23 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,15                    | 1,68   | 1,44   | 1,72   | 1,69            |
| 1139 | 14:58:28 | 0,14            | 0,32            | 1,63            | 8,37                     | 9,08                     | 23,15                    | 1,74   | 1,48   | 1,78   | 1,70            |
| 1140 | 14:58:33 | 0,14            | 0,32            | 1,63            | 8,37                     | 9,08                     | 23,15                    | 1,75   | 1,47   | 1,71   | 1,70            |
| 1141 | 14:58:38 | 0,14            | 0,32            | 1,63            | 8,37                     | 9,08                     | 23,15                    | 1,63   | 1,46   | 1,75   | 1,70            |
| 1142 | 14:58:43 | 0,14            | 0,33            | 1,60            | 8,37                     | 9,08                     | 23,15                    | 1,81   | 1,50   | 1,67   | 1,67            |
| 1143 | 14:58:48 | 0,14            | 0,33            | 1,57            | 8,37                     | 9,08                     | 23,15                    | 2,74   | 3,11   | 1,99   | 1,64            |
| 1144 | 14:58:53 | 0,14            | 0,33            | 1,61            | 8,37                     | 9,08                     | 23,15                    | 3,45   | 1,57   | 1,81   | 1,68            |
| 1145 | 14:58:58 | 0,14            | 0,33            | 1,62            | 8,37                     | 9,08                     | 23,16                    | 1,61   | 1,45   | 1,70   | 1,70            |
| 1146 | 14:59:03 | 0,14            | 0,33            | 1,63            | 8,37                     | 9,08                     | 23,16                    | 1,74   | 1,55   | 1,79   | 1,70            |
| 1147 | 14:59:08 | 0,14            | 0,33            | 1,63            | 8,37                     | 9,08                     | 23,16                    | 1,83   | 1,51   | 1,65   | 1,70            |
| 1148 | 14:59:13 | 0,14            | 0,32            | 1,65            | 8,37                     | 9,08                     | 23,16                    | 1,65   | 1,47   | 1,73   | 1,72            |
| 1149 | 14:59:18 | 0,14            | 0,33            | 1,63            | 8,37                     | 9,08                     | 23,16                    | 3,34   | 1,65   | 1,82   | 1,70            |
| 1150 | 14:59:23 | 0,14            | 0,32            | 1,65            | 8,37                     | 9,08                     | 23,16                    | 1,71   | 1,62   | 1,64   | 1,72            |
| 1151 | 14:59:28 | 0,14            | 0,33            | 1,67            | 8,37                     | 9,08                     | 23,16                    | 1,61   | 1,47   | 1,72   | 1,75            |
| 1152 | 14:59:33 | 0,14            | 0,33            | 1,65            | 8,37                     | 9,08                     | 23,16                    | 1,69   | 1,47   | 1,74   | 1,72            |
| 1153 | 14:59:38 | 0,14            | 0,32            | 1,63            | 8,37                     | 9,08                     | 23,16                    | 1,68   | 1,50   | 1,67   | 1,70            |
| 1154 | 14:59:43 | 0,14            | 0,32            | 1,61            | 8,37                     | 9,08                     | 23,16                    | 1,59   | 1,51   | 1,75   | 1,69            |
| 1155 | 14:59:48 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,17                    | 1,69   | 1,55   | 1,72   | 1,69            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1156 | 14:59:53 | 0,14            | 0,33            | 1,59            | 8,37                     | 9,08                     | 23,17                    | 1,69   | 1,56   | 1,74   | 1,66            |
| 1157 | 14:59:58 | 0,14            | 0,32            | 1,61            | 8,37                     | 9,08                     | 23,17                    | 1,70   | 1,49   | 1,78   | 1,68            |
| 1158 | 15:00:03 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,17                    | 1,77   | 1,61   | 1,95   | 1,69            |
| 1159 | 15:00:08 | 0,14            | 0,33            | 1,59            | 8,37                     | 9,08                     | 23,17                    | 1,78   | 1,44   | 1,76   | 1,67            |
| 1160 | 15:00:13 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,17                    | 1,79   | 1,53   | 1,71   | 1,69            |
| 1161 | 15:00:18 | 0,14            | 0,32            | 1,64            | 8,37                     | 9,08                     | 23,17                    | 1,64   | 1,47   | 1,70   | 1,72            |
| 1162 | 15:00:23 | 0,14            | 0,32            | 1,63            | 8,37                     | 9,08                     | 23,17                    | 1,58   | 1,52   | 1,77   | 1,70            |
| 1163 | 15:00:28 | 0,14            | 0,32            | 1,66            | 8,37                     | 9,08                     | 23,17                    | 1,61   | 1,48   | 1,70   | 1,73            |
| 1164 | 15:00:34 | 0,14            | 0,32            | 1,66            | 8,37                     | 9,08                     | 23,18                    | 1,66   | 1,46   | 1,67   | 1,73            |
| 1165 | 15:00:39 | 0,14            | 0,32            | 1,64            | 8,37                     | 9,08                     | 23,18                    | 1,63   | 1,49   | 1,74   | 1,71            |
| 1166 | 15:00:44 | 0,14            | 0,32            | 1,61            | 8,37                     | 9,08                     | 23,18                    | 1,63   | 1,50   | 1,70   | 1,69            |
| 1167 | 15:00:49 | 0,14            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,18                    | 1,65   | 1,51   | 1,69   | 1,66            |
| 1168 | 15:00:54 | 0,14            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,18                    | 1,71   | 1,56   | 1,77   | 1,66            |
| 1169 | 15:00:59 | 0,14            | 0,32            | 1,58            | 8,37                     | 9,08                     | 23,18                    | 1,63   | 1,48   | 1,73   | 1,66            |
| 1170 | 15:01:04 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,18                    | 1,63   | 1,51   | 1,73   | 1,69            |
| 1171 | 15:01:09 | 0,15            | 0,33            | 1,61            | 8,37                     | 9,08                     | 23,18                    | 1,88   | 1,52   | 1,81   | 1,69            |
| 1172 | 15:01:14 | 0,14            | 0,32            | 1,58            | 8,37                     | 9,08                     | 23,18                    | 1,85   | 1,59   | 1,75   | 1,66            |
| 1173 | 15:01:19 | 0,14            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,19                    | 1,64   | 1,53   | 1,75   | 1,67            |
| 1174 | 15:01:24 | 0,14            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,19                    | 1,68   | 1,47   | 1,75   | 1,67            |
| 1175 | 15:01:29 | 0,14            | 0,32            | 1,62            | 8,37                     | 9,08                     | 23,19                    | 1,68   | 1,47   | 1,80   | 1,69            |
| 1176 | 15:01:34 | 0,15            | 0,33            | 1,61            | 8,37                     | 9,08                     | 23,19                    | 1,85   | 1,71   | 1,89   | 1,69            |
| 1177 | 15:01:39 | 0,14            | 0,32            | 1,61            | 8,37                     | 9,08                     | 23,19                    | 1,63   | 1,56   | 1,70   | 1,68            |
| 1178 | 15:01:44 | 0,15            | 0,33            | 1,58            | 8,37                     | 9,08                     | 23,19                    | 1,84   | 1,54   | 1,79   | 1,66            |
| 1179 | 15:01:49 | 0,15            | 0,33            | 1,53            | 8,37                     | 9,08                     | 23,19                    | 1,68   | 1,53   | 1,84   | 1,61            |
| 1180 | 15:01:54 | 0,14            | 0,32            | 1,54            | 8,37                     | 9,08                     | 23,19                    | 1,75   | 1,54   | 1,77   | 1,61            |
| 1181 | 15:01:59 | 0,14            | 0,32            | 1,56            | 8,37                     | 9,08                     | 23,19                    | 2,03   | 1,73   | 1,77   | 1,64            |
| 1182 | 15:02:04 | 0,15            | 0,33            | 1,57            | 8,37                     | 9,08                     | 23,19                    | 1,58   | 1,49   | 1,70   | 1,64            |
| 1183 | 15:02:09 | 0,15            | 0,33            | 1,54            | 8,37                     | 9,08                     | 23,19                    | 1,58   | 1,46   | 1,82   | 1,62            |
| 1184 | 15:02:14 | 0,14            | 0,32            | 1,52            | 8,37                     | 9,08                     | 23,20                    | 1,58   | 1,52   | 1,80   | 1,60            |
| 1185 | 15:02:19 | 0,15            | 0,32            | 1,48            | 8,37                     | 9,08                     | 23,20                    | 2,40   | 1,92   | 2,17   | 1,56            |
| 1186 | 15:02:24 | 0,15            | 0,32            | 1,47            | 8,37                     | 9,08                     | 23,20                    | 1,54   | 1,48   | 1,83   | 1,55            |
| 1187 | 15:02:29 | 0,14            | 0,32            | 1,48            | 8,37                     | 9,08                     | 23,20                    | 1,66   | 1,52   | 1,75   | 1,56            |
| 1188 | 15:02:34 | 0,14            | 0,32            | 1,49            | 8,37                     | 9,08                     | 23,20                    | 1,62   | 1,51   | 1,80   | 1,57            |
| 1189 | 15:02:39 | 0,15            | 0,32            | 1,51            | 8,37                     | 9,08                     | 23,20                    | 1,72   | 1,56   | 1,75   | 1,58            |
| 1190 | 15:02:44 | 0,14            | 0,32            | 1,51            | 8,37                     | 9,08                     | 23,20                    | 1,62   | 1,48   | 1,81   | 1,59            |
| 1191 | 15:02:49 | 0,14            | 0,32            | 1,52            | 8,37                     | 9,08                     | 23,20                    | 1,62   | 1,47   | 1,76   | 1,60            |
| 1192 | 15:02:54 | 0,14            | 0,32            | 1,54            | 8,37                     | 9,08                     | 23,20                    | 1,63   | 1,50   | 1,71   | 1,62            |
| 1193 | 15:02:59 | 0,14            | 0,32            | 1,56            | 8,37                     | 9,08                     | 23,20                    | 1,59   | 1,51   | 1,72   | 1,63            |
| 1194 | 15:03:04 | 0,14            | 0,32            | 1,58            | 8,37                     | 9,08                     | 23,20                    | 1,61   | 1,49   | 1,77   | 1,65            |
| 1195 | 15:03:09 | 0,14            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,20                    | 1,64   | 1,49   | 1,78   | 1,67            |
| 1196 | 15:03:14 | 0,14            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,21                    | 1,59   | 1,50   | 1,71   | 1,67            |
| 1197 | 15:03:19 | 0,14            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,21                    | 1,63   | 1,49   | 1,67   | 1,67            |
| 1198 | 15:03:24 | 0,15            | 0,32            | 1,61            | 8,37                     | 9,08                     | 23,21                    | 2,67   | 2,19   | 1,94   | 1,69            |
| 1199 | 15:03:29 | 0,15            | 0,32            | 1,57            | 8,37                     | 9,08                     | 23,21                    | 1,63   | 1,49   | 1,66   | 1,65            |
| 1200 | 15:03:34 | 0,14            | 0,32            | 1,58            | 8,37                     | 9,08                     | 23,21                    | 1,63   | 1,49   | 1,75   | 1,65            |
| 1201 | 15:03:39 | 0,14            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,21                    | 1,68   | 1,51   | 1,78   | 1,68            |
| 1202 | 15:03:44 | 0,15            | 0,32            | 1,60            | 8,37                     | 9,08                     | 23,21                    | 1,85   | 1,60   | 1,73   | 1,68            |
| 1203 | 15:03:49 | 0,15            | 0,32            | 1,59            | 8,37                     | 9,08                     | 23,21                    | 2,78   | 2,08   | 1,87   | 1,66            |
| 1204 | 15:03:54 | 0,14            | 0,31            | 1,53            | 8,37                     | 9,08                     | 23,21                    | 1,62   | 1,51   | 1,74   | 1,61            |
| 1205 | 15:03:59 | 0,14            | 0,31            | 1,55            | 8,37                     | 9,08                     | 23,21                    | 1,64   | 1,52   | 1,75   | 1,62            |
| 1206 | 15:04:04 | 0,14            | 0,32            | 1,56            | 8,37                     | 9,08                     | 23,21                    | 1,66   | 1,72   | 1,76   | 1,64            |
| 1207 | 15:04:09 | 0,14            | 0,31            | 1,56            | 8,37                     | 9,08                     | 23,22                    | 1,64   | 1,49   | 1,71   | 1,63            |
| 1208 | 15:04:14 | 0,14            | 0,32            | 1,56            | 8,37                     | 9,08                     | 23,22                    | 1,63   | 1,56   | 1,68   | 1,63            |
| 1209 | 15:04:19 | 0,14            | 0,31            | 1,56            | 8,37                     | 9,08                     | 23,22                    | 1,62   | 1,52   | 1,69   | 1,63            |
| 1210 | 15:04:25 | 0,14            | 0,31            | 1,50            | 8,37                     | 9,08                     | 23,22                    | 1,70   | 1,52   | 1,78   | 1,57            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1211 | 15:04:30 | 0,16            | 0,30            | 1,26            | 8,37                     | 9,08                     | 23,22                    | 2,48   | 1,72   | 1,90   | 1,35            |
| 1212 | 15:04:35 | 0,32            | 0,30            | 1,35            | 8,37                     | 9,08                     | 23,22                    | 2,17   | 1,42   | 0,89   | 1,49            |
| 1213 | 15:04:40 | 0,15            | 0,27            | 0,37            | 8,37                     | 9,08                     | 23,22                    | 1,63   | 2,36   | 6,42   | 0,57            |
| 1214 | 15:04:45 | 0,14            | 0,17            | 0,55            | 8,37                     | 9,08                     | 23,22                    | 1,79   | 1,90   | 1,49   | 0,62            |
| 1215 | 15:04:50 | 0,14            | 0,13            | 0,53            | 8,37                     | 9,08                     | 23,22                    | 1,70   | 1,68   | 1,75   | 0,60            |
| 1216 | 15:04:55 | 0,14            | 0,13            | 0,58            | 8,37                     | 9,08                     | 23,22                    | 1,98   | 2,14   | 1,96   | 0,64            |
| 1217 | 15:05:00 | 0,13            | 0,14            | 0,57            | 8,37                     | 9,08                     | 23,22                    | 2,22   | 2,31   | 1,03   | 0,63            |
| 1218 | 15:05:06 | 0,10            | 0,28            | 0,81            | 8,37                     | 9,08                     | 23,22                    | 3,09   | 2,33   | 0,62   | 0,91            |
| 1219 | 15:05:11 | 0,11            | 0,22            | 0,45            | 8,37                     | 9,08                     | 23,22                    | 2,86   | 2,53   | 1,97   | 0,57            |
| 1220 | 15:05:16 | 0,14            | 0,16            | 0,44            | 8,37                     | 9,08                     | 23,22                    | 1,24   | 1,67   | 2,69   | 0,53            |
| 1221 | 15:05:21 | 0,08            | 0,14            | 0,43            | 8,37                     | 9,08                     | 23,22                    | 2,22   | 2,15   | 1,98   | 0,48            |
| 1222 | 15:05:26 | 0,08            | 0,21            | 0,43            | 8,37                     | 9,08                     | 23,22                    | 3,30   | 3,18   | 3,55   | 0,53            |
| 1223 | 15:05:31 | 0,15            | 0,37            | 0,57            | 8,37                     | 9,08                     | 23,22                    | 2,04   | 1,36   | 2,02   | 0,80            |
| 1224 | 15:05:36 | 0,18            | 0,32            | 0,60            | 8,37                     | 9,08                     | 23,22                    | 2,09   | 1,10   | 1,60   | 0,79            |
| 1225 | 15:05:41 | 0,13            | 0,16            | 0,43            | 8,37                     | 9,08                     | 23,22                    | 2,40   | 2,88   | 3,06   | 0,52            |
| 1226 | 15:05:46 | 0,16            | 0,16            | 0,57            | 8,37                     | 9,08                     | 23,22                    | 2,71   | 2,50   | 2,56   | 0,65            |
| 1227 | 15:05:51 | 0,28            | 0,21            | 0,74            | 8,37                     | 9,08                     | 23,22                    | 1,53   | 3,13   | 2,92   | 0,89            |
| 1228 | 15:05:57 | 0,15            | 0,16            | 0,63            | 8,37                     | 9,08                     | 23,22                    | 2,39   | 2,69   | 2,01   | 0,70            |
| 1229 | 15:06:02 | 0,17            | 0,20            | 0,52            | 8,37                     | 9,08                     | 23,22                    | 2,04   | 1,57   | 2,92   | 0,64            |
| 1230 | 15:06:07 | 0,14            | 0,20            | 0,65            | 8,37                     | 9,08                     | 23,22                    | 2,84   | 2,07   | 2,14   | 0,74            |
| 1231 | 15:06:12 | 0,20            | 0,18            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 3,60   | 3,22   | 3,12   | 0,79            |
| 1232 | 15:06:17 | 0,33            | 0,20            | 0,66            | 8,37                     | 9,08                     | 23,22                    | 1,25   | 1,97   | 1,49   | 0,85            |
| 1233 | 15:06:22 | 0,11            | 0,15            | 0,46            | 8,37                     | 9,08                     | 23,22                    | 2,57   | 2,93   | 3,02   | 0,53            |
| 1234 | 15:06:27 | 0,12            | 0,19            | 0,56            | 8,37                     | 9,08                     | 23,22                    | 2,31   | 2,11   | 2,72   | 0,64            |
| 1235 | 15:06:32 | 0,12            | 0,17            | 0,58            | 8,37                     | 9,08                     | 23,22                    | 1,97   | 2,29   | 3,03   | 0,65            |
| 1236 | 15:06:37 | 0,11            | 0,17            | 0,51            | 8,37                     | 9,08                     | 23,22                    | 2,07   | 2,05   | 2,31   | 0,58            |
| 1237 | 15:06:42 | 0,23            | 0,29            | 0,94            | 8,37                     | 9,08                     | 23,22                    | 1,96   | 1,22   | 2,24   | 1,07            |
| 1238 | 15:06:47 | 0,11            | 0,18            | 0,47            | 8,37                     | 9,08                     | 23,22                    | 1,96   | 2,14   | 2,43   | 0,56            |
| 1239 | 15:06:52 | 0,14            | 0,19            | 0,40            | 8,37                     | 9,08                     | 23,22                    | 1,69   | 1,52   | 2,00   | 0,52            |
| 1240 | 15:06:57 | 0,13            | 0,17            | 0,56            | 8,37                     | 9,08                     | 23,22                    | 3,25   | 1,39   | 3,35   | 0,63            |
| 1241 | 15:07:02 | 0,15            | 0,13            | 0,56            | 8,37                     | 9,08                     | 23,22                    | 2,24   | 2,39   | 2,69   | 0,62            |
| 1242 | 15:07:07 | 0,14            | 0,14            | 0,52            | 8,37                     | 9,08                     | 23,22                    | 2,57   | 4,33   | 2,85   | 0,59            |
| 1243 | 15:07:12 | 0,18            | 0,33            | 0,63            | 8,37                     | 9,08                     | 23,22                    | 1,72   | 1,81   | 1,85   | 0,82            |
| 1244 | 15:07:17 | 0,16            | 0,39            | 0,49            | 8,37                     | 9,08                     | 23,22                    | 3,21   | 1,08   | 2,69   | 0,77            |
| 1245 | 15:07:22 | 0,16            | 0,16            | 0,51            | 8,37                     | 9,08                     | 23,22                    | 3,81   | 1,86   | 3,17   | 0,60            |
| 1246 | 15:07:27 | 0,24            | 0,27            | 0,45            | 8,37                     | 9,08                     | 23,22                    | 2,20   | 1,27   | 1,73   | 0,68            |
| 1247 | 15:07:32 | 0,24            | 0,26            | 0,83            | 8,37                     | 9,08                     | 23,22                    | 1,95   | 1,42   | 1,73   | 0,97            |
| 1248 | 15:07:37 | 0,15            | 0,16            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 1,59   | 1,71   | 1,75   | 0,77            |
| 1249 | 15:07:42 | 0,13            | 0,14            | 0,79            | 8,37                     | 9,08                     | 23,22                    | 1,47   | 1,52   | 1,72   | 0,84            |
| 1250 | 15:07:47 | 0,15            | 0,15            | 0,75            | 8,37                     | 9,08                     | 23,22                    | 1,62   | 1,74   | 1,44   | 0,81            |
| 1251 | 15:07:52 | 0,15            | 0,16            | 0,74            | 8,37                     | 9,08                     | 23,22                    | 1,58   | 1,70   | 1,70   | 0,80            |
| 1252 | 15:07:57 | 0,15            | 0,16            | 0,75            | 8,37                     | 9,08                     | 23,22                    | 1,52   | 1,56   | 1,53   | 0,81            |
| 1253 | 15:08:02 | 0,15            | 0,15            | 0,73            | 8,37                     | 9,08                     | 23,22                    | 1,71   | 1,71   | 1,54   | 0,79            |
| 1254 | 15:08:07 | 0,14            | 0,14            | 0,74            | 8,37                     | 9,08                     | 23,22                    | 1,62   | 1,65   | 1,58   | 0,79            |
| 1255 | 15:08:12 | 0,14            | 0,14            | 0,73            | 8,37                     | 9,08                     | 23,22                    | 1,68   | 1,59   | 1,63   | 0,78            |
| 1256 | 15:08:17 | 0,16            | 0,17            | 0,71            | 8,37                     | 9,08                     | 23,22                    | 1,75   | 1,92   | 1,72   | 0,78            |
| 1257 | 15:08:22 | 0,14            | 0,17            | 0,79            | 8,37                     | 9,08                     | 23,22                    | 1,64   | 1,81   | 1,76   | 0,85            |
| 1258 | 15:08:27 | 0,15            | 0,18            | 0,71            | 8,37                     | 9,08                     | 23,22                    | 1,83   | 1,69   | 1,56   | 0,78            |
| 1259 | 15:08:32 | 0,15            | 0,17            | 0,72            | 8,37                     | 9,08                     | 23,22                    | 1,53   | 1,67   | 1,61   | 0,78            |
| 1260 | 15:08:37 | 0,15            | 0,18            | 0,73            | 8,37                     | 9,08                     | 23,22                    | 1,56   | 1,64   | 1,58   | 0,80            |
| 1261 | 15:08:42 | 0,15            | 0,19            | 0,74            | 8,37                     | 9,08                     | 23,22                    | 1,67   | 1,78   | 1,68   | 0,81            |
| 1262 | 15:08:47 | 0,16            | 0,23            | 0,83            | 8,37                     | 9,08                     | 23,22                    | 3,33   | 4,49   | 3,71   | 0,91            |
| 1263 | 15:08:52 | 0,16            | 0,15            | 0,50            | 8,37                     | 9,08                     | 23,22                    | 2,74   | 1,06   | 2,00   | 0,59            |
| 1264 | 15:08:57 | 0,15            | 0,15            | 0,52            | 8,37                     | 9,08                     | 23,22                    | 2,62   | 4,60   | 2,59   | 0,60            |
| 1265 | 15:09:02 | 0,10            | 0,10            | 0,39            | 8,37                     | 9,08                     | 23,22                    | 2,30   | 1,77   | 1,88   | 0,44            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1266 | 15:09:07 | 0,11            | 0,13            | 0,46            | 8,37                     | 9,08                     | 23,22                    | 2,34   | 2,11   | 2,63   | 0,52            |
| 1267 | 15:09:12 | 0,11            | 0,11            | 0,37            | 8,37                     | 9,08                     | 23,22                    | 2,12   | 1,46   | 2,10   | 0,44            |
| 1268 | 15:09:17 | 0,09            | 0,12            | 0,35            | 8,37                     | 9,08                     | 23,22                    | 1,70   | 3,84   | 2,68   | 0,41            |
| 1269 | 15:09:22 | 0,12            | 0,21            | 0,51            | 8,37                     | 9,08                     | 23,22                    | 1,91   | 3,06   | 1,95   | 0,61            |
| 1270 | 15:09:27 | 0,19            | 0,43            | 0,46            | 8,37                     | 9,08                     | 23,22                    | 2,15   | 1,11   | 3,67   | 0,81            |
| 1271 | 15:09:32 | 0,16            | 0,30            | 0,50            | 8,37                     | 9,08                     | 23,22                    | 2,78   | 1,70   | 1,79   | 0,69            |
| 1272 | 15:09:37 | 0,11            | 0,20            | 0,35            | 8,37                     | 9,08                     | 23,22                    | 1,50   | 0,91   | 1,89   | 0,48            |
| 1273 | 15:09:43 | 0,12            | 0,15            | 0,44            | 8,37                     | 9,08                     | 23,22                    | 2,29   | 1,49   | 2,35   | 0,52            |
| 1274 | 15:09:48 | 0,13            | 0,16            | 0,58            | 8,37                     | 9,08                     | 23,22                    | 1,93   | 2,42   | 1,82   | 0,64            |
| 1275 | 15:09:53 | 0,23            | 0,12            | 0,55            | 8,37                     | 9,08                     | 23,22                    | 2,06   | 2,61   | 2,82   | 0,66            |
| 1276 | 15:09:58 | 0,32            | 0,25            | 0,81            | 8,37                     | 9,08                     | 23,22                    | 2,02   | 3,08   | 4,35   | 0,99            |
| 1277 | 15:10:03 | 0,20            | 0,16            | 0,69            | 8,37                     | 9,08                     | 23,22                    | 1,27   | 1,60   | 1,11   | 0,78            |
| 1278 | 15:10:08 | 0,16            | 0,13            | 0,46            | 8,37                     | 9,08                     | 23,22                    | 2,40   | 3,08   | 3,36   | 0,55            |
| 1279 | 15:10:13 | 0,12            | 0,17            | 0,49            | 8,37                     | 9,08                     | 23,22                    | 2,87   | 2,39   | 2,18   | 0,57            |
| 1280 | 15:10:18 | 0,12            | 0,14            | 0,44            | 8,37                     | 9,08                     | 23,22                    | 2,20   | 2,21   | 2,66   | 0,51            |
| 1281 | 15:10:23 | 0,22            | 0,26            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 2,03   | 2,19   | 1,77   | 0,85            |
| 1282 | 15:10:28 | 0,14            | 0,21            | 0,45            | 8,37                     | 9,08                     | 23,22                    | 1,38   | 1,28   | 1,95   | 0,57            |
| 1283 | 15:10:33 | 0,16            | 0,19            | 0,44            | 8,37                     | 9,08                     | 23,22                    | 2,95   | 1,85   | 2,28   | 0,56            |
| 1284 | 15:10:38 | 0,18            | 0,19            | 0,58            | 8,37                     | 9,08                     | 23,22                    | 2,70   | 3,24   | 1,84   | 0,69            |
| 1285 | 15:10:43 | 0,17            | 0,23            | 0,60            | 8,37                     | 9,08                     | 23,22                    | 1,44   | 1,32   | 2,07   | 0,72            |
| 1286 | 15:10:48 | 0,13            | 0,32            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 2,26   | 3,28   | 2,28   | 0,85            |
| 1287 | 15:10:53 | 0,17            | 0,24            | 0,52            | 8,37                     | 9,08                     | 23,22                    | 1,80   | 1,64   | 2,65   | 0,67            |
| 1288 | 15:10:58 | 0,13            | 0,16            | 0,56            | 8,37                     | 9,08                     | 23,22                    | 2,15   | 1,41   | 2,92   | 0,63            |
| 1289 | 15:11:03 | 0,17            | 0,32            | 0,64            | 8,37                     | 9,08                     | 23,22                    | 2,89   | 3,04   | 2,07   | 0,82            |
| 1290 | 15:11:08 | 0,23            | 0,23            | 0,67            | 8,37                     | 9,08                     | 23,22                    | 1,93   | 1,54   | 1,54   | 0,81            |
| 1291 | 15:11:13 | 0,15            | 0,16            | 0,62            | 8,37                     | 9,08                     | 23,22                    | 1,84   | 1,99   | 1,58   | 0,69            |
| 1292 | 15:11:18 | 0,15            | 0,16            | 0,51            | 8,37                     | 9,08                     | 23,22                    | 1,70   | 1,75   | 1,53   | 0,59            |
| 1293 | 15:11:23 | 0,16            | 0,18            | 0,58            | 8,37                     | 9,08                     | 23,22                    | 2,04   | 2,08   | 2,31   | 0,67            |
| 1294 | 15:11:28 | 0,16            | 0,21            | 0,75            | 8,37                     | 9,08                     | 23,22                    | 1,56   | 1,62   | 1,52   | 0,84            |
| 1295 | 15:11:33 | 0,16            | 0,20            | 0,74            | 8,37                     | 9,08                     | 23,22                    | 1,61   | 1,68   | 1,56   | 0,82            |
| 1296 | 15:11:38 | 0,16            | 0,20            | 0,73            | 8,37                     | 9,08                     | 23,22                    | 1,62   | 1,63   | 1,54   | 0,81            |
| 1297 | 15:11:43 | 0,16            | 0,20            | 0,72            | 8,37                     | 9,08                     | 23,22                    | 1,57   | 1,64   | 1,58   | 0,80            |
| 1298 | 15:11:48 | 0,16            | 0,20            | 0,71            | 8,37                     | 9,08                     | 23,22                    | 1,64   | 1,68   | 1,65   | 0,80            |
| 1299 | 15:11:53 | 0,16            | 0,20            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 1,55   | 1,61   | 1,53   | 0,79            |
| 1300 | 15:11:58 | 0,16            | 0,20            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 1,61   | 1,64   | 1,55   | 0,78            |
| 1301 | 15:12:03 | 0,16            | 0,20            | 0,70            | 8,37                     | 9,08                     | 23,22                    | 1,58   | 1,60   | 1,57   | 0,78            |
| 1302 | 15:12:09 | 0,16            | 0,20            | 0,69            | 8,37                     | 9,08                     | 23,22                    | 1,65   | 1,62   | 1,56   | 0,78            |
| 1303 | 15:12:14 | 0,16            | 0,20            | 0,69            | 8,37                     | 9,08                     | 23,22                    | 1,59   | 1,62   | 1,55   | 0,78            |
| 1304 | 15:12:19 | 0,16            | 0,20            | 0,70            | 8,37                     | 9,08                     | 23,23                    | 1,49   | 1,68   | 1,50   | 0,78            |
| 1305 | 15:12:24 | 0,16            | 0,20            | 0,72            | 8,37                     | 9,08                     | 23,23                    | 1,51   | 1,67   | 1,58   | 0,80            |
| 1306 | 15:12:29 | 0,16            | 0,20            | 0,72            | 8,37                     | 9,08                     | 23,23                    | 1,55   | 1,61   | 1,52   | 0,80            |
| 1307 | 15:12:34 | 0,17            | 0,23            | 0,67            | 8,37                     | 9,08                     | 23,23                    | 2,14   | 1,81   | 2,12   | 0,78            |
| 1308 | 15:12:40 | 0,16            | 0,20            | 0,72            | 8,37                     | 9,08                     | 23,23                    | 3,55   | 3,34   | 1,74   | 0,80            |
| 1309 | 15:12:45 | 0,16            | 0,19            | 0,65            | 8,37                     | 9,08                     | 23,23                    | 1,87   | 1,61   | 1,69   | 0,73            |
| 1310 | 15:12:50 | 0,16            | 0,16            | 0,57            | 8,37                     | 9,08                     | 23,23                    | 1,77   | 2,14   | 1,63   | 0,65            |
| 1311 | 15:12:55 | 0,15            | 0,18            | 0,71            | 8,37                     | 9,08                     | 23,23                    | 1,27   | 1,47   | 0,97   | 0,78            |
| 1312 | 15:13:00 | 0,22            | 0,17            | 0,77            | 8,37                     | 9,08                     | 23,23                    | 1,66   | 2,15   | 1,88   | 0,86            |
| 1313 | 15:13:05 | 0,15            | 0,18            | 0,73            | 8,37                     | 9,08                     | 23,23                    | 1,66   | 1,68   | 1,61   | 0,80            |
| 1314 | 15:13:10 | 0,15            | 0,19            | 0,72            | 8,37                     | 9,08                     | 23,23                    | 1,60   | 1,57   | 1,57   | 0,79            |
| 1315 | 15:13:15 | 0,15            | 0,18            | 0,70            | 8,37                     | 9,08                     | 23,23                    | 1,64   | 1,62   | 1,53   | 0,78            |
| 1316 | 15:13:20 | 0,15            | 0,18            | 0,67            | 8,37                     | 9,08                     | 23,23                    | 1,62   | 1,59   | 1,52   | 0,74            |
| 1317 | 15:13:25 | 0,15            | 0,17            | 0,63            | 8,37                     | 9,08                     | 23,23                    | 1,98   | 1,83   | 1,64   | 0,70            |
| 1318 | 15:13:30 | 0,16            | 0,17            | 0,69            | 8,37                     | 9,08                     | 23,23                    | 2,10   | 1,82   | 1,81   | 0,76            |
| 1319 | 15:13:35 | 0,26            | 0,19            | 0,80            | 8,37                     | 9,08                     | 23,23                    | 0,81   | 1,30   | 1,48   | 0,92            |
| 1320 | 15:13:40 | 0,17            | 0,24            | 0,50            | 8,37                     | 9,08                     | 23,23                    | 1,91   | 1,15   | 2,96   | 0,65            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1321 | 15:13:45 | 0,26            | 0,23            | 0,71            | 8,37                     | 9,08                     | 23,23                    | 1,90   | 1,32   | 1,76   | 0,86            |
| 1322 | 15:13:50 | 0,10            | 0,17            | 0,41            | 8,37                     | 9,08                     | 23,23                    | 2,50   | 2,16   | 2,36   | 0,49            |
| 1323 | 15:13:55 | 0,12            | 0,14            | 0,44            | 8,37                     | 9,08                     | 23,23                    | 2,06   | 1,95   | 3,01   | 0,51            |
| 1324 | 15:14:00 | 0,13            | 0,10            | 0,45            | 8,37                     | 9,08                     | 23,23                    | 2,70   | 2,12   | 2,53   | 0,50            |
| 1325 | 15:14:05 | 0,14            | 0,18            | 0,60            | 8,37                     | 9,08                     | 23,23                    | 2,79   | 2,65   | 2,91   | 0,68            |
| 1326 | 15:14:10 | 0,23            | 0,25            | 0,61            | 8,37                     | 9,08                     | 23,23                    | 1,02   | 1,52   | 2,14   | 0,77            |
| 1327 | 15:14:15 | 0,21            | 0,34            | 0,59            | 8,37                     | 9,08                     | 23,23                    | 1,51   | 0,85   | 1,52   | 0,82            |
| 1328 | 15:14:20 | 0,18            | 0,15            | 0,48            | 8,37                     | 9,08                     | 23,23                    | 1,08   | 1,94   | 2,26   | 0,58            |
| 1329 | 15:14:25 | 0,12            | 0,14            | 0,51            | 8,37                     | 9,08                     | 23,23                    | 2,40   | 2,04   | 2,65   | 0,57            |
| 1330 | 15:14:30 | 0,14            | 0,16            | 0,52            | 8,37                     | 9,08                     | 23,23                    | 1,78   | 2,49   | 3,22   | 0,59            |
| 1331 | 15:14:35 | 0,22            | 0,21            | 0,79            | 8,37                     | 9,08                     | 23,23                    | 4,19   | 2,01   | 2,24   | 0,89            |
| 1332 | 15:14:40 | 0,16            | 0,11            | 0,46            | 8,37                     | 9,08                     | 23,23                    | 1,18   | 2,40   | 1,91   | 0,53            |
| 1333 | 15:14:45 | 0,18            | 0,12            | 0,44            | 8,37                     | 9,08                     | 23,23                    | 1,98   | 2,59   | 2,95   | 0,53            |
| 1334 | 15:14:50 | 0,16            | 0,19            | 0,55            | 8,37                     | 9,08                     | 23,23                    | 2,61   | 1,31   | 3,26   | 0,65            |
| 1335 | 15:14:55 | 0,16            | 0,21            | 0,71            | 8,37                     | 9,08                     | 23,23                    | 2,29   | 3,35   | 1,64   | 0,80            |
| 1336 | 15:15:00 | 0,16            | 0,19            | 0,72            | 8,37                     | 9,08                     | 23,23                    | 3,00   | 2,51   | 3,57   | 0,80            |
| 1337 | 15:15:05 | 0,20            | 0,16            | 0,67            | 8,37                     | 9,08                     | 23,23                    | 1,69   | 1,19   | 1,62   | 0,76            |
| 1338 | 15:15:10 | 0,17            | 0,23            | 0,52            | 8,37                     | 9,08                     | 23,23                    | 2,95   | 1,78   | 1,93   | 0,66            |
| 1339 | 15:15:15 | 0,13            | 0,18            | 0,49            | 8,37                     | 9,08                     | 23,23                    | 2,48   | 1,79   | 2,15   | 0,59            |
| 1340 | 15:15:20 | 0,13            | 0,14            | 0,48            | 8,37                     | 9,08                     | 23,23                    | 2,79   | 4,07   | 2,51   | 0,55            |
| 1341 | 15:15:25 | 0,16            | 0,16            | 0,58            | 8,37                     | 9,08                     | 23,23                    | 3,15   | 2,00   | 2,11   | 0,66            |
| 1342 | 15:15:30 | 0,13            | 0,15            | 0,46            | 8,37                     | 9,08                     | 23,23                    | 2,28   | 1,62   | 2,59   | 0,54            |
| 1343 | 15:15:35 | 0,15            | 0,13            | 0,50            | 8,37                     | 9,08                     | 23,23                    | 2,58   | 1,70   | 2,79   | 0,58            |
| 1344 | 15:15:40 | 0,15            | 0,13            | 0,51            | 8,37                     | 9,08                     | 23,23                    | 2,45   | 2,39   | 2,62   | 0,58            |
| 1345 | 15:15:45 | 0,15            | 0,16            | 0,52            | 8,37                     | 9,08                     | 23,23                    | 2,19   | 0,98   | 2,14   | 0,60            |
| 1346 | 15:15:50 | 0,13            | 0,16            | 0,61            | 8,37                     | 9,08                     | 23,23                    | 2,53   | 3,16   | 3,24   | 0,67            |
| 1347 | 15:15:55 | 0,21            | 0,23            | 0,64            | 8,37                     | 9,09                     | 23,23                    | 1,57   | 1,10   | 1,67   | 0,77            |
| 1348 | 15:16:00 | 0,17            | 0,24            | 0,49            | 8,37                     | 9,09                     | 23,23                    | 2,76   | 1,22   | 3,16   | 0,64            |
| 1349 | 15:16:05 | 0,13            | 0,23            | 0,60            | 8,37                     | 9,09                     | 23,23                    | 1,70   | 2,49   | 2,15   | 0,70            |
| 1350 | 15:16:10 | 0,11            | 0,12            | 0,47            | 8,37                     | 9,09                     | 23,23                    | 2,82   | 1,96   | 2,27   | 0,52            |
| 1351 | 15:16:15 | 0,20            | 0,15            | 0,72            | 8,37                     | 9,09                     | 23,23                    | 2,54   | 3,19   | 2,33   | 0,80            |
| 1352 | 15:16:20 | 0,22            | 0,20            | 0,61            | 8,37                     | 9,09                     | 23,23                    | 1,66   | 1,87   | 2,00   | 0,73            |
| 1353 | 15:16:25 | 0,17            | 0,20            | 0,49            | 8,37                     | 9,09                     | 23,23                    | 1,44   | 0,73   | 2,06   | 0,61            |
| 1354 | 15:16:30 | 0,26            | 0,22            | 0,73            | 8,37                     | 9,09                     | 23,23                    | 2,25   | 1,67   | 1,98   | 0,87            |
| 1355 | 15:16:35 | 0,33            | 0,25            | 0,83            | 8,37                     | 9,09                     | 23,23                    | 1,35   | 2,64   | 1,34   | 1,02            |
| 1356 | 15:16:40 | 0,27            | 0,39            | 0,99            | 8,37                     | 9,09                     | 23,23                    | 1,63   | 1,07   | 2,55   | 1,20            |
| 1357 | 15:16:45 | 0,18            | 0,30            | 2,08            | 8,37                     | 9,09                     | 23,23                    | 3,17   | 2,99   | 1,91   | 2,14            |
| 1358 | 15:16:50 | 0,17            | 0,28            | 2,18            | 8,37                     | 9,09                     | 23,23                    | 1,69   | 1,57   | 1,60   | 2,23            |
| 1359 | 15:16:55 | 0,16            | 0,28            | 2,22            | 8,37                     | 9,09                     | 23,24                    | 1,77   | 1,56   | 1,59   | 2,27            |
| 1360 | 15:17:00 | 0,16            | 0,28            | 2,22            | 8,37                     | 9,09                     | 23,24                    | 1,68   | 1,54   | 1,50   | 2,27            |
| 1361 | 15:17:05 | 0,16            | 0,29            | 2,22            | 8,37                     | 9,09                     | 23,24                    | 1,68   | 1,58   | 1,50   | 2,26            |
| 1362 | 15:17:10 | 0,16            | 0,29            | 2,24            | 8,37                     | 9,09                     | 23,25                    | 1,72   | 1,56   | 1,49   | 2,29            |
| 1363 | 15:17:15 | 0,15            | 0,29            | 2,22            | 8,37                     | 9,09                     | 23,25                    | 1,69   | 1,57   | 1,47   | 2,27            |
| 1364 | 15:17:20 | 0,15            | 0,29            | 2,20            | 8,37                     | 9,09                     | 23,25                    | 1,78   | 1,62   | 1,52   | 2,25            |
| 1365 | 15:17:25 | 0,15            | 0,29            | 2,20            | 8,37                     | 9,09                     | 23,26                    | 1,71   | 1,56   | 1,48   | 2,25            |
| 1366 | 15:17:30 | 0,15            | 0,29            | 2,18            | 8,37                     | 9,09                     | 23,26                    | 1,66   | 1,55   | 1,50   | 2,22            |
| 1367 | 15:17:35 | 0,15            | 0,29            | 2,15            | 8,37                     | 9,09                     | 23,26                    | 1,67   | 1,56   | 1,52   | 2,20            |
| 1368 | 15:17:40 | 0,15            | 0,29            | 2,13            | 8,37                     | 9,09                     | 23,27                    | 1,81   | 1,71   | 1,47   | 2,18            |
| 1369 | 15:17:45 | 0,15            | 0,29            | 2,17            | 8,37                     | 9,09                     | 23,27                    | 1,71   | 1,52   | 1,54   | 2,22            |
| 1370 | 15:17:50 | 0,15            | 0,29            | 2,17            | 8,37                     | 9,09                     | 23,27                    | 1,73   | 1,55   | 1,58   | 2,22            |
| 1371 | 15:17:55 | 0,14            | 0,29            | 2,17            | 8,37                     | 9,09                     | 23,28                    | 1,76   | 1,55   | 1,54   | 2,22            |
| 1372 | 15:18:00 | 0,14            | 0,29            | 2,10            | 8,37                     | 9,09                     | 23,28                    | 1,75   | 1,48   | 1,52   | 2,15            |
| 1373 | 15:18:05 | 0,14            | 0,29            | 2,05            | 8,37                     | 9,09                     | 23,28                    | 1,75   | 1,51   | 1,56   | 2,10            |
| 1374 | 15:18:10 | 0,14            | 0,29            | 2,03            | 8,37                     | 9,09                     | 23,28                    | 1,79   | 1,53   | 1,58   | 2,08            |
| 1375 | 15:18:15 | 0,14            | 0,29            | 2,03            | 8,37                     | 9,09                     | 23,29                    | 1,67   | 1,53   | 1,55   | 2,08            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1376 | 15:18:20 | 0,14            | 0,29            | 2,05            | 8,37                     | 9,09                     | 23,29                    | 1,73   | 1,53   | 1,53   | 2,10            |
| 1377 | 15:18:25 | 0,14            | 0,29            | 2,04            | 8,37                     | 9,09                     | 23,29                    | 1,71   | 2,95   | 1,92   | 2,10            |
| 1378 | 15:18:30 | 0,14            | 0,30            | 2,06            | 8,37                     | 9,09                     | 23,29                    | 1,90   | 1,70   | 1,59   | 2,11            |
| 1379 | 15:18:35 | 0,14            | 0,30            | 2,14            | 8,37                     | 9,09                     | 23,30                    | 1,70   | 1,53   | 1,50   | 2,19            |
| 1380 | 15:18:40 | 0,14            | 0,29            | 2,16            | 8,37                     | 9,09                     | 23,30                    | 1,71   | 1,55   | 1,51   | 2,21            |
| 1381 | 15:18:45 | 0,14            | 0,30            | 2,13            | 8,37                     | 9,09                     | 23,30                    | 1,82   | 1,55   | 1,50   | 2,18            |
| 1382 | 15:18:50 | 0,14            | 0,30            | 2,13            | 8,37                     | 9,09                     | 23,30                    | 1,68   | 1,53   | 1,54   | 2,18            |
| 1383 | 15:18:55 | 0,14            | 0,30            | 2,14            | 8,37                     | 9,09                     | 23,31                    | 1,75   | 1,66   | 1,51   | 2,19            |
| 1384 | 15:19:00 | 0,14            | 0,30            | 2,11            | 8,37                     | 9,09                     | 23,31                    | 1,78   | 1,52   | 1,50   | 2,16            |
| 1385 | 15:19:05 | 0,14            | 0,30            | 2,12            | 8,37                     | 9,09                     | 23,31                    | 1,67   | 1,60   | 1,53   | 2,17            |
| 1386 | 15:19:10 | 0,14            | 0,31            | 2,14            | 8,37                     | 9,09                     | 23,32                    | 1,68   | 1,57   | 1,50   | 2,19            |
| 1387 | 15:19:15 | 0,14            | 0,30            | 2,13            | 8,37                     | 9,09                     | 23,32                    | 1,63   | 1,51   | 1,47   | 2,18            |
| 1388 | 15:19:20 | 0,14            | 0,30            | 2,13            | 8,37                     | 9,09                     | 23,32                    | 1,72   | 1,57   | 1,52   | 2,18            |
| 1389 | 15:19:25 | 0,14            | 0,30            | 2,09            | 8,37                     | 9,09                     | 23,32                    | 1,58   | 1,61   | 1,55   | 2,14            |
| 1390 | 15:19:30 | 0,14            | 0,31            | 2,13            | 8,37                     | 9,09                     | 23,33                    | 1,59   | 1,53   | 1,56   | 2,19            |
| 1391 | 15:19:35 | 0,13            | 0,31            | 2,11            | 8,37                     | 9,09                     | 23,33                    | 1,66   | 1,55   | 1,50   | 2,16            |
| 1392 | 15:19:40 | 0,14            | 0,31            | 2,16            | 8,37                     | 9,09                     | 23,33                    | 1,69   | 1,57   | 1,58   | 2,21            |
| 1393 | 15:19:45 | 0,14            | 0,31            | 2,27            | 8,37                     | 9,09                     | 23,34                    | 1,68   | 1,55   | 1,58   | 2,31            |
| 1394 | 15:19:50 | 0,14            | 0,31            | 2,32            | 8,37                     | 9,09                     | 23,34                    | 1,66   | 1,55   | 1,48   | 2,37            |
| 1395 | 15:19:55 | 0,14            | 0,31            | 2,25            | 8,37                     | 9,09                     | 23,34                    | 1,67   | 1,56   | 1,49   | 2,30            |
| 1396 | 15:20:00 | 0,14            | 0,31            | 2,21            | 8,37                     | 9,09                     | 23,35                    | 1,63   | 1,62   | 1,53   | 2,26            |
| 1397 | 15:20:05 | 0,13            | 0,31            | 2,21            | 8,37                     | 9,09                     | 23,35                    | 1,70   | 1,55   | 1,54   | 2,26            |
| 1398 | 15:20:10 | 0,14            | 0,31            | 2,28            | 8,37                     | 9,09                     | 23,35                    | 1,58   | 1,64   | 1,51   | 2,33            |
| 1399 | 15:20:15 | 0,14            | 0,31            | 2,28            | 8,37                     | 9,09                     | 23,36                    | 1,72   | 1,53   | 1,52   | 2,33            |
| 1400 | 15:20:20 | 0,14            | 0,31            | 2,27            | 8,37                     | 9,09                     | 23,36                    | 1,81   | 1,60   | 1,52   | 2,32            |
| 1401 | 15:20:25 | 0,14            | 0,31            | 2,28            | 8,37                     | 9,09                     | 23,36                    | 1,77   | 1,52   | 1,48   | 2,33            |
| 1402 | 15:20:30 | 0,14            | 0,31            | 2,27            | 8,37                     | 9,09                     | 23,37                    | 1,69   | 1,60   | 1,49   | 2,32            |
| 1403 | 15:20:35 | 0,14            | 0,31            | 2,26            | 8,37                     | 9,09                     | 23,37                    | 1,63   | 1,53   | 1,49   | 2,30            |
| 1404 | 15:20:40 | 0,14            | 0,30            | 2,22            | 8,37                     | 9,09                     | 23,37                    | 1,62   | 1,57   | 1,48   | 2,27            |
| 1405 | 15:20:45 | 0,14            | 0,30            | 2,18            | 8,37                     | 9,09                     | 23,38                    | 1,62   | 1,53   | 1,48   | 2,23            |
| 1406 | 15:20:50 | 0,14            | 0,30            | 2,22            | 8,37                     | 9,09                     | 23,38                    | 1,61   | 1,56   | 1,52   | 2,27            |
| 1407 | 15:20:55 | 0,14            | 0,30            | 2,22            | 8,37                     | 9,09                     | 23,38                    | 1,72   | 1,58   | 1,51   | 2,27            |
| 1408 | 15:21:00 | 0,14            | 0,30            | 2,22            | 8,37                     | 9,09                     | 23,39                    | 1,66   | 1,54   | 1,51   | 2,27            |
| 1409 | 15:21:05 | 0,14            | 0,30            | 2,20            | 8,37                     | 9,09                     | 23,39                    | 1,66   | 1,53   | 1,54   | 2,25            |
| 1410 | 15:21:10 | 0,14            | 0,30            | 2,17            | 8,37                     | 9,09                     | 23,39                    | 1,67   | 1,56   | 1,53   | 2,22            |
| 1411 | 15:21:15 | 0,14            | 0,30            | 2,19            | 8,37                     | 9,09                     | 23,40                    | 1,65   | 1,57   | 1,50   | 2,23            |
| 1412 | 15:21:20 | 0,14            | 0,30            | 2,18            | 8,37                     | 9,09                     | 23,40                    | 1,62   | 1,58   | 1,53   | 2,22            |
| 1413 | 15:21:25 | 0,14            | 0,30            | 2,20            | 8,37                     | 9,09                     | 23,40                    | 1,62   | 1,58   | 1,57   | 2,25            |
| 1414 | 15:21:30 | 0,14            | 0,30            | 2,20            | 8,37                     | 9,09                     | 23,41                    | 1,57   | 1,53   | 1,49   | 2,24            |
| 1415 | 15:21:35 | 0,14            | 0,30            | 2,20            | 8,37                     | 9,09                     | 23,41                    | 1,65   | 1,56   | 1,53   | 2,25            |
| 1416 | 15:21:40 | 0,13            | 0,30            | 2,18            | 8,37                     | 9,09                     | 23,41                    | 1,64   | 1,51   | 1,55   | 2,23            |
| 1417 | 15:21:45 | 0,13            | 0,30            | 2,18            | 8,37                     | 9,09                     | 23,42                    | 1,65   | 1,55   | 1,56   | 2,23            |
| 1418 | 15:21:50 | 0,14            | 0,30            | 2,17            | 8,37                     | 9,09                     | 23,42                    | 1,75   | 1,54   | 1,63   | 2,22            |
| 1419 | 15:21:55 | 0,15            | 0,31            | 2,01            | 8,37                     | 9,09                     | 23,42                    | 1,91   | 1,61   | 1,57   | 2,06            |
| 1420 | 15:22:00 | 0,20            | 0,28            | 0,97            | 8,37                     | 9,09                     | 23,42                    | 1,93   | 2,02   | 1,03   | 1,08            |
| 1421 | 15:22:05 | 0,20            | 0,19            | 0,38            | 8,37                     | 9,09                     | 23,42                    | 1,56   | 1,79   | 2,73   | 0,55            |
| 1422 | 15:22:10 | 0,20            | 0,19            | 0,35            | 8,37                     | 9,09                     | 23,42                    | 1,62   | 1,69   | 3,22   | 0,52            |
| 1423 | 15:22:15 | 0,21            | 0,19            | 0,89            | 8,37                     | 9,09                     | 23,42                    | 1,82   | 3,44   | 3,37   | 0,97            |
| 1424 | 15:22:20 | 0,36            | 0,51            | 1,10            | 8,37                     | 9,09                     | 23,42                    | 1,18   | 2,36   | 1,35   | 1,40            |
| 1425 | 15:22:25 | 0,17            | 0,21            | 0,81            | 8,37                     | 9,09                     | 23,42                    | 2,81   | 1,78   | 2,12   | 0,89            |
| 1426 | 15:22:30 | 0,13            | 0,19            | 0,39            | 8,37                     | 9,09                     | 23,42                    | 1,88   | 2,55   | 2,54   | 0,51            |
| 1427 | 15:22:35 | 0,23            | 0,17            | 0,47            | 8,37                     | 9,09                     | 23,42                    | 4,81   | 2,97   | 2,65   | 0,62            |
| 1428 | 15:22:40 | 0,46            | 0,16            | 0,69            | 8,37                     | 9,09                     | 23,42                    | 0,99   | 2,77   | 1,64   | 0,97            |
| 1429 | 15:22:45 | 0,18            | 0,21            | 0,52            | 8,37                     | 9,09                     | 23,42                    | 2,06   | 1,12   | 2,60   | 0,65            |
| 1430 | 15:22:50 | 0,21            | 0,14            | 0,54            | 8,37                     | 9,09                     | 23,42                    | 3,54   | 3,81   | 2,31   | 0,65            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1431 | 15:22:55 | 0,23            | 0,17            | 0,42            | 8,37                     | 9,09                     | 23,42                    | 1,83   | 1,24   | 2,88   | 0,58            |
| 1432 | 15:23:00 | 0,25            | 0,31            | 0,57            | 8,37                     | 9,09                     | 23,42                    | 1,48   | 1,21   | 1,27   | 0,79            |
| 1433 | 15:23:05 | 0,09            | 0,18            | 0,38            | 8,37                     | 9,09                     | 23,42                    | 2,49   | 1,24   | 2,18   | 0,47            |
| 1434 | 15:23:10 | 0,16            | 0,19            | 0,52            | 8,37                     | 9,09                     | 23,42                    | 3,45   | 3,15   | 3,23   | 0,62            |
| 1435 | 15:23:15 | 0,16            | 0,14            | 0,55            | 8,37                     | 9,09                     | 23,42                    | 2,02   | 2,87   | 2,57   | 0,62            |
| 1436 | 15:23:20 | 0,25            | 0,17            | 0,45            | 8,37                     | 9,09                     | 23,42                    | 1,49   | 1,45   | 4,06   | 0,62            |
| 1437 | 15:23:25 | 0,30            | 0,19            | 0,79            | 8,37                     | 9,09                     | 23,42                    | 1,60   | 2,42   | 2,12   | 0,93            |
| 1438 | 15:23:30 | 0,15            | 0,12            | 0,71            | 8,37                     | 9,09                     | 23,42                    | 1,64   | 2,18   | 1,88   | 0,76            |
| 1439 | 15:23:35 | 0,30            | 0,21            | 0,61            | 8,37                     | 9,09                     | 23,42                    | 2,68   | 4,12   | 1,94   | 0,80            |
| 1440 | 15:23:40 | 0,45            | 0,68            | 0,70            | 8,37                     | 9,09                     | 23,42                    | 1,37   | 0,93   | 1,36   | 1,34            |
| 1441 | 15:23:45 | 0,18            | 0,27            | 0,43            | 8,37                     | 9,09                     | 23,42                    | 2,67   | 0,94   | 2,74   | 0,62            |
| 1442 | 15:23:50 | 0,13            | 0,13            | 0,45            | 8,37                     | 9,09                     | 23,42                    | 1,75   | 2,03   | 2,50   | 0,52            |
| 1443 | 15:23:55 | 0,14            | 0,14            | 0,60            | 8,37                     | 9,09                     | 23,42                    | 2,43   | 2,42   | 1,98   | 0,66            |
| 1444 | 15:24:00 | 0,15            | 0,14            | 0,67            | 8,37                     | 9,09                     | 23,42                    | 2,03   | 2,26   | 2,22   | 0,73            |
| 1445 | 15:24:05 | 0,15            | 0,15            | 0,74            | 8,37                     | 9,09                     | 23,42                    | 2,27   | 3,20   | 3,28   | 0,80            |
| 1446 | 15:24:10 | 0,13            | 0,22            | 0,78            | 8,37                     | 9,09                     | 23,42                    | 1,87   | 2,26   | 2,29   | 0,86            |
| 1447 | 15:24:15 | 0,32            | 0,28            | 1,13            | 8,37                     | 9,09                     | 23,43                    | 2,49   | 1,41   | 1,13   | 1,28            |
| 1448 | 15:24:20 | 0,17            | 0,19            | 0,45            | 8,37                     | 9,09                     | 23,43                    | 1,93   | 3,40   | 2,29   | 0,57            |
| 1449 | 15:24:25 | 0,16            | 0,29            | 0,41            | 8,37                     | 9,09                     | 23,43                    | 1,86   | 1,91   | 2,97   | 0,62            |
| 1450 | 15:24:30 | 0,31            | 0,15            | 0,64            | 8,37                     | 9,09                     | 23,43                    | 1,03   | 2,21   | 2,06   | 0,80            |
| 1451 | 15:24:35 | 0,20            | 0,30            | 0,70            | 8,37                     | 9,09                     | 23,43                    | 1,86   | 1,72   | 2,42   | 0,86            |
| 1452 | 15:24:40 | 0,19            | 0,25            | 0,51            | 8,37                     | 9,09                     | 23,43                    | 2,50   | 2,51   | 2,14   | 0,68            |
| 1453 | 15:24:45 | 0,21            | 0,29            | 0,68            | 8,37                     | 9,09                     | 23,43                    | 2,36   | 1,81   | 1,41   | 0,84            |
| 1454 | 15:24:50 | 0,13            | 0,18            | 0,45            | 8,37                     | 9,09                     | 23,43                    | 2,42   | 1,98   | 1,93   | 0,55            |
| 1455 | 15:24:55 | 0,22            | 0,16            | 0,54            | 8,37                     | 9,09                     | 23,43                    | 2,68   | 2,35   | 2,58   | 0,66            |
| 1456 | 15:25:00 | 0,19            | 0,28            | 0,96            | 8,37                     | 9,09                     | 23,43                    | 1,27   | 1,12   | 1,75   | 1,07            |
| 1457 | 15:25:05 | 0,24            | 0,15            | 0,73            | 8,37                     | 9,09                     | 23,43                    | 3,49   | 2,11   | 2,81   | 0,83            |
| 1458 | 15:25:10 | 0,24            | 0,21            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 2,71   | 3,58   | 1,88   | 0,77            |
| 1459 | 15:25:15 | 0,19            | 0,20            | 0,59            | 8,37                     | 9,09                     | 23,43                    | 1,81   | 2,26   | 1,30   | 0,70            |
| 1460 | 15:25:20 | 0,12            | 0,16            | 0,45            | 8,37                     | 9,09                     | 23,43                    | 2,13   | 1,85   | 2,45   | 0,52            |
| 1461 | 15:25:25 | 0,14            | 0,11            | 0,47            | 8,37                     | 9,09                     | 23,43                    | 2,55   | 2,21   | 2,27   | 0,53            |
| 1462 | 15:25:30 | 0,16            | 0,20            | 0,80            | 8,37                     | 9,09                     | 23,43                    | 2,13   | 2,91   | 2,86   | 0,87            |
| 1463 | 15:25:35 | 0,27            | 0,27            | 1,14            | 8,37                     | 9,09                     | 23,43                    | 0,77   | 1,67   | 1,64   | 1,26            |
| 1464 | 15:25:40 | 0,24            | 0,24            | 0,90            | 8,37                     | 9,09                     | 23,43                    | 2,28   | 1,97   | 1,15   | 1,02            |
| 1465 | 15:25:45 | 0,32            | 0,29            | 0,55            | 8,37                     | 9,09                     | 23,43                    | 1,03   | 2,18   | 3,15   | 0,82            |
| 1466 | 15:25:50 | 0,25            | 0,15            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 0,94   | 1,38   | 1,65   | 0,75            |
| 1467 | 15:25:55 | 0,12            | 0,15            | 0,47            | 8,37                     | 9,09                     | 23,43                    | 2,99   | 2,24   | 2,76   | 0,54            |
| 1468 | 15:26:00 | 0,12            | 0,15            | 0,49            | 8,37                     | 9,09                     | 23,43                    | 1,78   | 2,18   | 2,98   | 0,56            |
| 1469 | 15:26:05 | 0,22            | 0,31            | 0,98            | 8,37                     | 9,09                     | 23,43                    | 2,12   | 2,14   | 2,61   | 1,12            |
| 1470 | 15:26:10 | 0,22            | 0,24            | 0,93            | 8,37                     | 9,09                     | 23,43                    | 2,58   | 2,10   | 1,41   | 1,03            |
| 1471 | 15:26:15 | 0,12            | 0,16            | 0,49            | 8,37                     | 9,09                     | 23,43                    | 1,66   | 1,66   | 1,88   | 0,56            |
| 1472 | 15:26:20 | 0,10            | 0,15            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 3,46   | 1,68   | 1,65   | 0,53            |
| 1473 | 15:26:25 | 0,13            | 0,25            | 0,48            | 8,37                     | 9,09                     | 23,43                    | 2,72   | 2,75   | 1,67   | 0,62            |
| 1474 | 15:26:30 | 0,11            | 0,16            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 2,03   | 2,20   | 2,34   | 0,54            |
| 1475 | 15:26:35 | 0,12            | 0,10            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 1,88   | 3,16   | 2,09   | 0,51            |
| 1476 | 15:26:40 | 0,16            | 0,23            | 0,65            | 8,37                     | 9,09                     | 23,43                    | 1,60   | 2,36   | 2,14   | 0,76            |
| 1477 | 15:26:45 | 0,16            | 0,26            | 0,56            | 8,37                     | 9,09                     | 23,43                    | 1,94   | 1,66   | 2,26   | 0,70            |
| 1478 | 15:26:50 | 0,18            | 0,23            | 0,65            | 8,37                     | 9,09                     | 23,43                    | 1,87   | 2,22   | 1,70   | 0,77            |
| 1479 | 15:26:55 | 0,09            | 0,23            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 2,56   | 1,02   | 3,41   | 0,57            |
| 1480 | 15:27:00 | 0,16            | 0,18            | 0,60            | 8,37                     | 9,09                     | 23,43                    | 2,48   | 1,20   | 2,14   | 0,69            |
| 1481 | 15:27:05 | 0,13            | 0,13            | 0,56            | 8,37                     | 9,09                     | 23,43                    | 3,08   | 2,25   | 2,12   | 0,62            |
| 1482 | 15:27:10 | 0,28            | 0,17            | 0,74            | 8,37                     | 9,09                     | 23,43                    | 6,02   | 3,32   | 3,17   | 0,87            |
| 1483 | 15:27:15 | 0,28            | 0,16            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 2,08   | 2,11   | 2,44   | 0,77            |
| 1484 | 15:27:20 | 0,30            | 0,23            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 1,37   | 1,95   | 1,82   | 0,81            |
| 1485 | 15:27:25 | 0,17            | 0,16            | 0,54            | 8,37                     | 9,09                     | 23,43                    | 2,36   | 2,38   | 2,31   | 0,63            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1486 | 15:27:30 | 0,18            | 0,13            | 0,51            | 8,37                     | 9,09                     | 23,43                    | 3,09   | 2,97   | 2,86   | 0,60            |
| 1487 | 15:27:35 | 0,15            | 0,22            | 0,53            | 8,37                     | 9,09                     | 23,43                    | 3,52   | 2,61   | 3,31   | 0,65            |
| 1488 | 15:27:40 | 0,21            | 0,28            | 0,83            | 8,37                     | 9,09                     | 23,43                    | 3,42   | 1,90   | 0,79   | 0,96            |
| 1489 | 15:27:45 | 0,12            | 0,27            | 0,37            | 8,37                     | 9,09                     | 23,43                    | 1,42   | 2,01   | 0,96   | 0,56            |
| 1490 | 15:27:50 | 0,20            | 0,16            | 0,43            | 8,37                     | 9,09                     | 23,43                    | 1,74   | 1,40   | 2,07   | 0,56            |
| 1491 | 15:27:55 | 0,14            | 0,14            | 0,43            | 8,37                     | 9,09                     | 23,43                    | 1,69   | 2,44   | 2,38   | 0,51            |
| 1492 | 15:28:00 | 0,18            | 0,17            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 1,85   | 2,30   | 3,18   | 0,71            |
| 1493 | 15:28:05 | 0,12            | 0,21            | 0,50            | 8,37                     | 9,09                     | 23,43                    | 3,09   | 1,50   | 2,62   | 0,60            |
| 1494 | 15:28:10 | 0,17            | 0,26            | 0,42            | 8,37                     | 9,09                     | 23,43                    | 2,45   | 1,88   | 3,77   | 0,61            |
| 1495 | 15:28:15 | 0,20            | 0,19            | 0,94            | 8,37                     | 9,09                     | 23,43                    | 1,24   | 1,94   | 2,05   | 1,02            |
| 1496 | 15:28:20 | 0,31            | 0,20            | 0,84            | 8,37                     | 9,09                     | 23,43                    | 0,71   | 1,38   | 0,91   | 0,99            |
| 1497 | 15:28:25 | 0,25            | 0,14            | 0,38            | 8,37                     | 9,09                     | 23,43                    | 1,88   | 1,73   | 2,47   | 0,55            |
| 1498 | 15:28:30 | 0,11            | 0,15            | 0,40            | 8,37                     | 9,09                     | 23,43                    | 1,60   | 2,00   | 2,13   | 0,48            |
| 1499 | 15:28:35 | 0,12            | 0,10            | 0,38            | 8,37                     | 9,09                     | 23,43                    | 3,97   | 1,70   | 2,90   | 0,44            |
| 1500 | 15:28:40 | 0,21            | 0,20            | 0,56            | 8,37                     | 9,09                     | 23,43                    | 1,32   | 1,68   | 3,81   | 0,69            |
| 1501 | 15:28:45 | 0,16            | 0,16            | 0,67            | 8,37                     | 9,09                     | 23,43                    | 2,03   | 2,42   | 1,96   | 0,75            |
| 1502 | 15:28:50 | 0,15            | 0,16            | 0,67            | 8,37                     | 9,09                     | 23,43                    | 2,01   | 1,79   | 2,52   | 0,73            |
| 1503 | 15:28:55 | 0,16            | 0,14            | 0,56            | 8,37                     | 9,09                     | 23,43                    | 1,79   | 1,85   | 3,19   | 0,64            |
| 1504 | 15:29:00 | 0,12            | 0,19            | 0,59            | 8,37                     | 9,09                     | 23,43                    | 2,57   | 2,33   | 2,52   | 0,67            |
| 1505 | 15:29:05 | 0,24            | 0,49            | 0,83            | 8,37                     | 9,09                     | 23,43                    | 1,73   | 1,38   | 1,62   | 1,12            |
| 1506 | 15:29:10 | 0,17            | 0,34            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 2,10   | 1,89   | 2,12   | 0,82            |
| 1507 | 15:29:15 | 0,13            | 0,16            | 0,50            | 8,37                     | 9,09                     | 23,43                    | 3,89   | 2,44   | 2,82   | 0,58            |
| 1508 | 15:29:20 | 0,14            | 0,16            | 0,61            | 8,37                     | 9,09                     | 23,43                    | 1,88   | 2,66   | 2,14   | 0,68            |
| 1509 | 15:29:25 | 0,16            | 0,25            | 0,54            | 8,37                     | 9,09                     | 23,43                    | 2,60   | 1,32   | 1,70   | 0,68            |
| 1510 | 15:29:30 | 0,15            | 0,18            | 0,66            | 8,37                     | 9,09                     | 23,43                    | 2,77   | 1,49   | 2,39   | 0,73            |
| 1511 | 15:29:35 | 0,14            | 0,13            | 0,60            | 8,37                     | 9,09                     | 23,43                    | 1,97   | 2,63   | 1,79   | 0,66            |
| 1512 | 15:29:40 | 0,31            | 0,37            | 0,90            | 8,37                     | 9,09                     | 23,43                    | 3,28   | 2,10   | 2,66   | 1,12            |
| 1513 | 15:29:45 | 0,25            | 0,24            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 1,15   | 0,81   | 2,39   | 0,79            |
| 1514 | 15:29:50 | 0,12            | 0,16            | 0,47            | 8,37                     | 9,09                     | 23,43                    | 1,38   | 2,49   | 2,22   | 0,55            |
| 1515 | 15:29:56 | 0,17            | 0,18            | 0,58            | 8,37                     | 9,09                     | 23,43                    | 2,62   | 2,35   | 3,36   | 0,68            |
| 1516 | 15:30:01 | 0,20            | 0,17            | 0,48            | 8,37                     | 9,09                     | 23,43                    | 1,66   | 1,58   | 1,91   | 0,60            |
| 1517 | 15:30:06 | 0,15            | 0,13            | 0,47            | 8,37                     | 9,09                     | 23,43                    | 1,48   | 2,57   | 2,00   | 0,55            |
| 1518 | 15:30:11 | 0,28            | 0,28            | 0,94            | 8,37                     | 9,09                     | 23,43                    | 2,03   | 2,04   | 2,21   | 1,10            |
| 1519 | 15:30:16 | 0,25            | 0,24            | 0,75            | 8,37                     | 9,09                     | 23,43                    | 0,84   | 1,33   | 1,73   | 0,89            |
| 1520 | 15:30:21 | 0,10            | 0,16            | 0,27            | 8,37                     | 9,09                     | 23,43                    | 2,93   | 2,12   | 3,45   | 0,37            |
| 1521 | 15:30:26 | 0,25            | 0,19            | 0,84            | 8,37                     | 9,09                     | 23,43                    | 2,22   | 2,46   | 2,71   | 0,95            |
| 1522 | 15:30:31 | 0,14            | 0,15            | 0,69            | 8,37                     | 9,09                     | 23,43                    | 1,58   | 1,90   | 1,59   | 0,75            |
| 1523 | 15:30:36 | 0,09            | 0,19            | 0,58            | 8,37                     | 9,09                     | 23,43                    | 2,62   | 2,67   | 3,17   | 0,65            |
| 1524 | 15:30:41 | 0,10            | 0,17            | 0,36            | 8,37                     | 9,09                     | 23,43                    | 1,55   | 2,48   | 3,13   | 0,45            |
| 1525 | 15:30:46 | 0,07            | 0,12            | 0,33            | 8,37                     | 9,09                     | 23,43                    | 3,75   | 2,38   | 2,31   | 0,39            |
| 1526 | 15:30:51 | 0,07            | 0,17            | 0,33            | 8,37                     | 9,09                     | 23,43                    | 1,76   | 2,63   | 2,46   | 0,42            |
| 1527 | 15:30:56 | 0,07            | 0,16            | 0,27            | 8,37                     | 9,09                     | 23,43                    | 2,27   | 2,75   | 2,40   | 0,36            |
| 1528 | 15:31:01 | 0,12            | 0,16            | 0,38            | 8,37                     | 9,09                     | 23,43                    | 3,60   | 1,52   | 2,46   | 0,48            |
| 1529 | 15:31:06 | 0,33            | 0,23            | 0,80            | 8,37                     | 9,09                     | 23,43                    | 1,09   | 2,65   | 2,25   | 0,97            |
| 1530 | 15:31:11 | 0,27            | 0,26            | 0,75            | 8,37                     | 9,09                     | 23,43                    | 1,46   | 1,33   | 1,08   | 0,92            |
| 1531 | 15:31:16 | 0,29            | 0,26            | 0,60            | 8,37                     | 9,09                     | 23,43                    | 1,17   | 3,19   | 1,71   | 0,81            |
| 1532 | 15:31:21 | 0,18            | 0,33            | 0,54            | 8,37                     | 9,09                     | 23,43                    | 2,32   | 1,24   | 2,08   | 0,75            |
| 1533 | 15:31:26 | 0,16            | 0,17            | 0,40            | 8,37                     | 9,09                     | 23,43                    | 2,06   | 1,98   | 2,22   | 0,52            |
| 1534 | 15:31:31 | 0,15            | 0,12            | 0,43            | 8,37                     | 9,09                     | 23,43                    | 1,88   | 2,85   | 2,24   | 0,51            |
| 1535 | 15:31:36 | 0,43            | 0,48            | 1,07            | 8,37                     | 9,09                     | 23,43                    | 1,03   | 2,01   | 1,96   | 1,40            |
| 1536 | 15:31:41 | 0,22            | 0,35            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 3,58   | 2,37   | 2,21   | 0,85            |
| 1537 | 15:31:46 | 0,15            | 0,17            | 0,47            | 8,37                     | 9,09                     | 23,43                    | 1,53   | 1,44   | 1,99   | 0,57            |
| 1538 | 15:31:52 | 0,08            | 0,19            | 0,38            | 8,37                     | 9,09                     | 23,43                    | 3,22   | 1,83   | 3,58   | 0,48            |
| 1539 | 15:31:57 | 0,09            | 0,16            | 0,34            | 8,37                     | 9,09                     | 23,43                    | 2,59   | 1,82   | 2,71   | 0,43            |
| 1540 | 15:32:02 | 0,09            | 0,16            | 0,42            | 8,37                     | 9,09                     | 23,43                    | 2,33   | 3,19   | 2,47   | 0,49            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1541 | 15:32:07 | 0,16            | 0,24            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 2,20   | 2,57   | 2,14   | 0,61            |
| 1542 | 15:32:12 | 0,11            | 0,15            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 3,31   | 2,34   | 2,67   | 0,53            |
| 1543 | 15:32:17 | 0,21            | 0,26            | 0,70            | 8,37                     | 9,09                     | 23,43                    | 1,51   | 1,20   | 1,33   | 0,85            |
| 1544 | 15:32:22 | 0,21            | 0,18            | 0,59            | 8,37                     | 9,09                     | 23,43                    | 1,44   | 1,47   | 1,56   | 0,71            |
| 1545 | 15:32:27 | 0,19            | 0,14            | 0,60            | 8,37                     | 9,09                     | 23,43                    | 3,87   | 2,69   | 3,39   | 0,68            |
| 1546 | 15:32:32 | 0,32            | 0,17            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 0,71   | 1,70   | 1,92   | 0,80            |
| 1547 | 15:32:37 | 0,17            | 0,19            | 0,64            | 8,37                     | 9,09                     | 23,43                    | 2,81   | 3,09   | 2,21   | 0,73            |
| 1548 | 15:32:42 | 0,17            | 0,15            | 0,69            | 8,37                     | 9,09                     | 23,43                    | 1,89   | 1,96   | 2,44   | 0,76            |
| 1549 | 15:32:47 | 0,12            | 0,17            | 0,67            | 8,37                     | 9,09                     | 23,43                    | 2,44   | 2,99   | 1,91   | 0,72            |
| 1550 | 15:32:52 | 0,30            | 0,24            | 0,72            | 8,37                     | 9,09                     | 23,43                    | 2,54   | 1,69   | 1,73   | 0,89            |
| 1551 | 15:32:57 | 0,18            | 0,22            | 0,71            | 8,37                     | 9,09                     | 23,43                    | 2,76   | 1,68   | 2,65   | 0,81            |
| 1552 | 15:33:02 | 0,11            | 0,16            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 2,21   | 1,64   | 1,24   | 0,69            |
| 1553 | 15:33:07 | 0,15            | 0,17            | 0,64            | 8,37                     | 9,09                     | 23,43                    | 3,37   | 2,60   | 2,67   | 0,71            |
| 1554 | 15:33:12 | 0,14            | 0,19            | 0,68            | 8,37                     | 9,09                     | 23,43                    | 2,11   | 1,78   | 1,73   | 0,76            |
| 1555 | 15:33:17 | 0,12            | 0,13            | 0,44            | 8,37                     | 9,09                     | 23,43                    | 3,84   | 1,06   | 1,96   | 0,50            |
| 1556 | 15:33:22 | 0,22            | 0,21            | 0,51            | 8,37                     | 9,09                     | 23,43                    | 2,06   | 2,24   | 3,73   | 0,66            |
| 1557 | 15:33:27 | 0,14            | 0,24            | 0,46            | 8,37                     | 9,09                     | 23,43                    | 2,92   | 4,35   | 3,45   | 0,60            |
| 1558 | 15:33:32 | 0,16            | 0,29            | 0,57            | 8,37                     | 9,09                     | 23,43                    | 1,57   | 0,98   | 1,82   | 0,73            |
| 1559 | 15:33:37 | 0,11            | 0,14            | 0,48            | 8,37                     | 9,09                     | 23,43                    | 2,46   | 1,76   | 2,24   | 0,54            |
| 1560 | 15:33:42 | 0,33            | 0,26            | 0,51            | 8,37                     | 9,09                     | 23,43                    | 3,28   | 2,09   | 3,40   | 0,78            |
| 1561 | 15:33:47 | 0,43            | 0,22            | 1,04            | 8,37                     | 9,09                     | 23,43                    | 1,05   | 1,28   | 1,31   | 1,24            |
| 1562 | 15:33:52 | 0,18            | 0,12            | 0,63            | 8,37                     | 9,09                     | 23,43                    | 1,66   | 2,02   | 1,14   | 0,70            |
| 1563 | 15:33:57 | 0,11            | 0,11            | 0,29            | 8,37                     | 9,09                     | 23,43                    | 1,48   | 1,87   | 2,84   | 0,36            |
| 1564 | 15:34:02 | 0,11            | 0,19            | 0,78            | 8,37                     | 9,09                     | 23,43                    | 3,82   | 2,41   | 1,74   | 0,84            |
| 1565 | 15:34:07 | 0,10            | 0,18            | 0,62            | 8,37                     | 9,09                     | 23,43                    | 2,76   | 2,42   | 2,43   | 0,68            |
| 1566 | 15:34:12 | 0,52            | 0,26            | 1,16            | 8,38                     | 9,09                     | 23,43                    | 0,53   | 1,64   | 1,62   | 1,41            |
| 1567 | 15:34:17 | 0,14            | 0,16            | 0,68            | 8,38                     | 9,09                     | 23,43                    | 1,66   | 1,69   | 1,49   | 0,74            |
| 1568 | 15:34:22 | 0,14            | 0,17            | 0,75            | 8,38                     | 9,09                     | 23,43                    | 1,89   | 2,91   | 1,95   | 0,81            |
| 1569 | 15:34:27 | 0,24            | 0,24            | 2,76            | 8,38                     | 9,09                     | 35,91                    | 1,77   | 2,07   | 0,25   | 2,80            |
| 1570 | 15:34:32 | 0,23            | 0,16            | 0,54            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,67   | 2,34   | 0,67            |
| 1571 | 15:34:37 | 0,24            | 0,14            | 0,61            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,76   | 2,24   | 0,72            |
| 1572 | 15:34:42 | 0,23            | 0,13            | 0,87            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 2,04   | 1,67   | 0,95            |
| 1573 | 15:34:47 | 0,25            | 0,15            | 0,62            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,37   | 1,37   | 0,74            |
| 1574 | 15:34:52 | 0,24            | 0,08            | 0,39            | 8,38                     | 9,09                     | 35,91                    | 3,05   | 2,09   | 1,65   | 0,53            |
| 1575 | 15:34:57 | 0,24            | 0,08            | 0,34            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 2,32   | 2,06   | 0,49            |
| 1576 | 15:35:02 | 0,24            | 0,08            | 0,34            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,97   | 1,91   | 0,49            |
| 1577 | 15:35:07 | 0,23            | 0,10            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 2,22   | 2,06   | 0,58            |
| 1578 | 15:35:12 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 2,16   | 1,85   | 0,61            |
| 1579 | 15:35:17 | 0,22            | 0,10            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,63   | 1,92   | 1,69   | 0,62            |
| 1580 | 15:35:22 | 0,22            | 0,10            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,88   | 1,85   | 0,60            |
| 1581 | 15:35:27 | 0,23            | 0,10            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 2,19   | 1,74   | 0,59            |
| 1582 | 15:35:32 | 0,23            | 0,10            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,70   | 1,60   | 0,60            |
| 1583 | 15:35:37 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,67   | 2,07   | 2,19   | 0,61            |
| 1584 | 15:35:42 | 0,23            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,68   | 1,85   | 0,62            |
| 1585 | 15:35:47 | 0,22            | 0,10            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,75   | 1,59   | 0,60            |
| 1586 | 15:35:52 | 0,22            | 0,11            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,92   | 1,73   | 0,58            |
| 1587 | 15:35:57 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,83   | 1,91   | 0,60            |
| 1588 | 15:36:02 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,67   | 1,70   | 1,90   | 0,60            |
| 1589 | 15:36:07 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,63   | 1,79   | 0,60            |
| 1590 | 15:36:12 | 0,23            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,66   | 1,71   | 0,62            |
| 1591 | 15:36:17 | 0,22            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,70   | 1,60   | 0,59            |
| 1592 | 15:36:22 | 0,22            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,72   | 2,03   | 2,06   | 0,61            |
| 1593 | 15:36:27 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,87   | 1,60   | 0,61            |
| 1594 | 15:36:32 | 0,22            | 0,12            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,75   | 1,77   | 0,63            |
| 1595 | 15:36:37 | 0,22            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,83   | 1,74   | 0,62            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1596 | 15:36:42 | 0,22            | 0,11            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,71   | 1,80   | 0,62            |
| 1597 | 15:36:47 | 0,22            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 3,14   | 2,89   | 1,84   | 0,62            |
| 1598 | 15:36:52 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,81   | 1,58   | 0,61            |
| 1599 | 15:36:57 | 0,22            | 0,11            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,76   | 2,32   | 2,01   | 0,63            |
| 1600 | 15:37:02 | 0,22            | 0,11            | 0,55            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,69   | 1,60   | 0,65            |
| 1601 | 15:37:07 | 0,22            | 0,11            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,68   | 1,77   | 0,62            |
| 1602 | 15:37:12 | 0,22            | 0,11            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,77   | 1,82   | 0,64            |
| 1603 | 15:37:17 | 0,23            | 0,11            | 0,54            | 8,38                     | 9,09                     | 35,91                    | 1,68   | 2,04   | 1,75   | 0,65            |
| 1604 | 15:37:22 | 0,23            | 0,11            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,89   | 1,90   | 0,63            |
| 1605 | 15:37:27 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,65   | 1,63   | 0,61            |
| 1606 | 15:37:32 | 0,22            | 0,11            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,91   | 1,77   | 0,62            |
| 1607 | 15:37:37 | 0,22            | 0,11            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,66   | 1,78   | 0,62            |
| 1608 | 15:37:42 | 0,22            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,83   | 1,75   | 0,62            |
| 1609 | 15:37:47 | 0,22            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,77   | 1,64   | 0,62            |
| 1610 | 15:37:52 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,63   | 1,84   | 1,87   | 0,61            |
| 1611 | 15:37:57 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,75   | 1,67   | 0,61            |
| 1612 | 15:38:02 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,72   | 1,70   | 0,61            |
| 1613 | 15:38:07 | 0,22            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,71   | 1,59   | 0,61            |
| 1614 | 15:38:12 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,76   | 1,69   | 0,61            |
| 1615 | 15:38:17 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,70   | 1,58   | 0,61            |
| 1616 | 15:38:22 | 0,22            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,74   | 1,63   | 0,60            |
| 1617 | 15:38:27 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,74   | 1,78   | 0,61            |
| 1618 | 15:38:32 | 0,22            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,79   | 1,68   | 0,61            |
| 1619 | 15:38:37 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 2,44   | 2,65   | 1,90   | 0,63            |
| 1620 | 15:38:42 | 0,22            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,69   | 1,73   | 0,59            |
| 1621 | 15:38:47 | 0,22            | 0,11            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,71   | 1,72   | 0,58            |
| 1622 | 15:38:52 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,70   | 1,69   | 0,59            |
| 1623 | 15:38:57 | 0,22            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,79   | 1,61   | 0,60            |
| 1624 | 15:39:02 | 0,22            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,80   | 1,80   | 0,60            |
| 1625 | 15:39:07 | 0,22            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,81   | 1,68   | 0,61            |
| 1626 | 15:39:12 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 2,03   | 1,74   | 0,60            |
| 1627 | 15:39:17 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,72   | 1,77   | 0,60            |
| 1628 | 15:39:22 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,77   | 1,85   | 0,62            |
| 1629 | 15:39:27 | 0,22            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,66   | 1,76   | 0,61            |
| 1630 | 15:39:32 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,76   | 1,87   | 0,60            |
| 1631 | 15:39:37 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,73   | 1,77   | 0,61            |
| 1632 | 15:39:42 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,85   | 1,82   | 0,62            |
| 1633 | 15:39:47 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,70   | 1,63   | 0,60            |
| 1634 | 15:39:52 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,73   | 1,80   | 0,61            |
| 1635 | 15:39:57 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,83   | 1,67   | 0,60            |
| 1636 | 15:40:02 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,75   | 1,66   | 0,61            |
| 1637 | 15:40:07 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,70   | 1,57   | 0,61            |
| 1638 | 15:40:12 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,82   | 1,76   | 0,62            |
| 1639 | 15:40:17 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,84   | 1,62   | 0,63            |
| 1640 | 15:40:22 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,88   | 1,70   | 0,61            |
| 1641 | 15:40:27 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,48   | 1,75   | 1,68   | 0,61            |
| 1642 | 15:40:32 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 3,00   | 2,76   | 1,66   | 0,61            |
| 1643 | 15:40:37 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,74   | 1,78   | 0,61            |
| 1644 | 15:40:42 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 2,04   | 2,00   | 0,61            |
| 1645 | 15:40:47 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,88   | 1,88   | 0,62            |
| 1646 | 15:40:52 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,48   | 1,71   | 1,60   | 0,60            |
| 1647 | 15:40:57 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,75   | 1,89   | 0,61            |
| 1648 | 15:41:02 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,76   | 1,68   | 0,61            |
| 1649 | 15:41:07 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,75   | 1,78   | 0,63            |
| 1650 | 15:41:12 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,97   | 1,95   | 0,61            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1651 | 15:41:17 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,73   | 1,77   | 0,61            |
| 1652 | 15:41:22 | 0,23            | 0,11            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,87   | 1,62   | 0,62            |
| 1653 | 15:41:27 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,47   | 1,63   | 1,59   | 0,60            |
| 1654 | 15:41:32 | 0,23            | 0,11            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,71   | 1,61   | 0,61            |
| 1655 | 15:41:37 | 0,23            | 0,12            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,64   | 1,92   | 1,84   | 0,63            |
| 1656 | 15:41:42 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,73   | 1,91   | 0,62            |
| 1657 | 15:41:48 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,73   | 1,60   | 0,62            |
| 1658 | 15:41:53 | 0,23            | 0,12            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,69   | 1,79   | 0,63            |
| 1659 | 15:41:58 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,64   | 1,94   | 1,88   | 0,62            |
| 1660 | 15:42:03 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,90   | 1,94   | 0,62            |
| 1661 | 15:42:08 | 0,23            | 0,12            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,93   | 1,58   | 0,64            |
| 1662 | 15:42:13 | 0,23            | 0,12            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,87   | 1,80   | 0,64            |
| 1663 | 15:42:18 | 0,23            | 0,11            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,84   | 1,71   | 0,62            |
| 1664 | 15:42:23 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 2,13   | 2,58   | 1,90   | 0,61            |
| 1665 | 15:42:28 | 0,23            | 0,11            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,79   | 1,73   | 0,59            |
| 1666 | 15:42:33 | 0,23            | 0,11            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,72   | 1,69   | 0,59            |
| 1667 | 15:42:38 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 2,00   | 1,69   | 0,61            |
| 1668 | 15:42:43 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 3,28   | 1,71   | 1,90   | 0,63            |
| 1669 | 15:42:48 | 0,23            | 0,12            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,63   | 1,73   | 1,81   | 0,64            |
| 1670 | 15:42:53 | 0,23            | 0,12            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,78   | 1,81   | 0,64            |
| 1671 | 15:42:58 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,68   | 1,68   | 0,60            |
| 1672 | 15:43:03 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 2,46   | 2,82   | 2,08   | 0,60            |
| 1673 | 15:43:08 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,75   | 1,70   | 0,61            |
| 1674 | 15:43:13 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 2,07   | 2,08   | 0,61            |
| 1675 | 15:43:18 | 0,23            | 0,12            | 0,51            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,69   | 1,66   | 0,62            |
| 1676 | 15:43:23 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,62   | 1,61   | 0,60            |
| 1677 | 15:43:28 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,71   | 1,93   | 0,59            |
| 1678 | 15:43:33 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,74   | 1,62   | 0,61            |
| 1679 | 15:43:38 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,48   | 1,73   | 1,70   | 0,59            |
| 1680 | 15:43:43 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,67   | 1,77   | 0,59            |
| 1681 | 15:43:48 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,73   | 1,80   | 0,59            |
| 1682 | 15:43:53 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,66   | 1,72   | 0,59            |
| 1683 | 15:43:58 | 0,23            | 0,12            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 2,16   | 2,75   | 2,01   | 0,58            |
| 1684 | 15:44:03 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,77   | 1,77   | 0,58            |
| 1685 | 15:44:08 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,65   | 1,74   | 0,60            |
| 1686 | 15:44:13 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,76   | 1,61   | 0,60            |
| 1687 | 15:44:18 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,72   | 1,71   | 0,59            |
| 1688 | 15:44:23 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,47   | 1,71   | 1,86   | 0,59            |
| 1689 | 15:44:28 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,69   | 1,79   | 0,58            |
| 1690 | 15:44:33 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,47   | 1,67   | 1,76   | 0,58            |
| 1691 | 15:44:38 | 0,23            | 0,12            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,73   | 1,68   | 0,57            |
| 1692 | 15:44:43 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,78   | 1,84   | 0,59            |
| 1693 | 15:44:48 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,47   | 1,76   | 1,67   | 0,59            |
| 1694 | 15:44:53 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,80   | 1,72   | 0,59            |
| 1695 | 15:44:58 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 1,81   | 1,88   | 0,61            |
| 1696 | 15:45:03 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,76   | 1,84   | 0,60            |
| 1697 | 15:45:08 | 0,23            | 0,12            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,87   | 1,66   | 0,62            |
| 1698 | 15:45:13 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,80   | 1,68   | 0,60            |
| 1699 | 15:45:18 | 0,23            | 0,12            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,77   | 1,73   | 0,60            |
| 1700 | 15:45:23 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,77   | 1,70   | 0,59            |
| 1701 | 15:45:28 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,72   | 1,74   | 0,59            |
| 1702 | 15:45:33 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,52   | 1,81   | 1,75   | 0,59            |
| 1703 | 15:45:38 | 0,23            | 0,12            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 1,50   | 1,80   | 1,75   | 0,59            |
| 1704 | 15:45:43 | 0,23            | 0,12            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,95   | 1,91   | 0,60            |
| 1705 | 15:45:48 | 0,23            | 0,12            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 1,49   | 1,64   | 1,76   | 0,61            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1706 | 15:45:53 | 0,21            | 0,17            | 0,76            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 2,24   | 2,69   | 0,85            |
| 1707 | 15:45:58 | 0,46            | 0,72            | 1,20            | 8,38                     | 9,09                     | 35,91                    | 1,18   | 1,13   | 1,64   | 1,69            |
| 1708 | 15:46:03 | 0,13            | 0,23            | 0,96            | 8,38                     | 9,09                     | 35,91                    | 1,47   | 1,61   | 1,61   | 1,03            |
| 1709 | 15:46:08 | 0,10            | 0,21            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 2,35   | 2,03   | 1,88   | 1,13            |
| 1710 | 15:46:13 | 0,25            | 0,22            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 1,31   | 1,25   | 1,19            |
| 1711 | 15:46:18 | 0,11            | 0,15            | 0,89            | 8,38                     | 9,09                     | 35,91                    | 1,92   | 1,72   | 1,52   | 0,93            |
| 1712 | 15:46:23 | 0,10            | 0,18            | 0,66            | 8,38                     | 9,09                     | 35,91                    | 2,49   | 2,82   | 2,23   | 0,72            |
| 1713 | 15:46:28 | 0,20            | 0,11            | 0,38            | 8,38                     | 9,09                     | 35,91                    | 3,49   | 2,40   | 2,23   | 0,50            |
| 1714 | 15:46:33 | 0,20            | 0,17            | 0,39            | 8,38                     | 9,09                     | 35,91                    | 2,90   | 2,82   | 1,37   | 0,54            |
| 1715 | 15:46:38 | 0,30            | 0,29            | 0,82            | 8,38                     | 9,09                     | 35,91                    | 1,00   | 1,59   | 1,33   | 1,01            |
| 1716 | 15:46:43 | 0,20            | 0,20            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,49   | 1,90   | 0,66            |
| 1717 | 15:46:48 | 0,16            | 0,16            | 0,44            | 8,38                     | 9,09                     | 35,91                    | 1,84   | 2,80   | 2,41   | 0,55            |
| 1718 | 15:46:53 | 0,12            | 0,17            | 0,52            | 8,38                     | 9,09                     | 35,91                    | 2,47   | 2,19   | 2,52   | 0,60            |
| 1719 | 15:46:58 | 0,14            | 0,11            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 3,36   | 2,39   | 3,04   | 0,51            |
| 1720 | 15:47:04 | 0,17            | 0,22            | 0,65            | 8,38                     | 9,09                     | 35,91                    | 1,88   | 2,40   | 1,19   | 0,76            |
| 1721 | 15:47:09 | 0,14            | 0,34            | 0,37            | 8,38                     | 9,09                     | 35,91                    | 1,51   | 0,62   | 2,85   | 0,63            |
| 1722 | 15:47:14 | 0,14            | 0,15            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 2,15   | 1,99   | 2,31   | 0,57            |
| 1723 | 15:47:19 | 0,14            | 0,15            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 1,74   | 2,27   | 2,98   | 0,55            |
| 1724 | 15:47:24 | 0,25            | 0,21            | 0,66            | 8,38                     | 9,09                     | 35,91                    | 3,86   | 2,68   | 3,42   | 0,80            |
| 1725 | 15:47:29 | 0,20            | 0,35            | 0,64            | 8,38                     | 9,09                     | 35,91                    | 1,32   | 0,53   | 0,65   | 0,85            |
| 1726 | 15:47:34 | 0,10            | 0,19            | 0,41            | 8,38                     | 9,09                     | 35,91                    | 2,00   | 1,65   | 1,96   | 0,51            |
| 1727 | 15:47:39 | 0,09            | 0,11            | 0,27            | 8,38                     | 9,09                     | 35,91                    | 3,72   | 2,24   | 1,98   | 0,34            |
| 1728 | 15:47:44 | 0,10            | 0,10            | 0,35            | 8,38                     | 9,09                     | 35,91                    | 2,48   | 1,60   | 2,51   | 0,40            |
| 1729 | 15:47:49 | 0,09            | 0,09            | 0,37            | 8,38                     | 9,09                     | 35,91                    | 2,41   | 2,95   | 2,60   | 0,41            |
| 1730 | 15:47:54 | 0,13            | 0,08            | 0,37            | 8,38                     | 9,09                     | 35,91                    | 1,45   | 3,07   | 2,42   | 0,43            |
| 1731 | 15:47:59 | 0,21            | 0,21            | 0,46            | 8,38                     | 9,09                     | 35,91                    | 2,21   | 2,80   | 3,16   | 0,63            |
| 1732 | 15:48:04 | 0,11            | 0,19            | 0,33            | 8,38                     | 9,09                     | 35,91                    | 2,11   | 1,19   | 2,19   | 0,45            |
| 1733 | 15:48:09 | 0,14            | 0,08            | 0,44            | 8,38                     | 9,09                     | 35,91                    | 2,59   | 3,45   | 2,57   | 0,50            |
| 1734 | 15:48:14 | 0,13            | 0,12            | 0,38            | 8,38                     | 9,09                     | 35,91                    | 2,38   | 1,82   | 1,98   | 0,46            |
| 1735 | 15:48:19 | 0,19            | 0,14            | 0,41            | 8,38                     | 9,09                     | 35,91                    | 2,11   | 2,15   | 2,19   | 0,52            |
| 1736 | 15:48:24 | 0,24            | 0,31            | 0,75            | 8,38                     | 9,09                     | 35,91                    | 1,91   | 1,52   | 0,94   | 0,93            |
| 1737 | 15:48:29 | 0,14            | 0,32            | 0,35            | 8,38                     | 9,09                     | 35,91                    | 2,38   | 1,26   | 3,27   | 0,60            |
| 1738 | 15:48:34 | 0,14            | 0,22            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 3,20   | 2,72   | 3,54   | 0,57            |
| 1739 | 15:48:39 | 0,16            | 0,18            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,46   | 2,05   | 2,50   | 0,63            |
| 1740 | 15:48:44 | 0,31            | 0,21            | 0,66            | 8,38                     | 9,09                     | 35,91                    | 2,07   | 3,33   | 3,58   | 0,84            |
| 1741 | 15:48:49 | 0,23            | 0,19            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 1,33   | 1,95   | 1,35   | 0,65            |
| 1742 | 15:48:54 | 0,11            | 0,20            | 0,34            | 8,38                     | 9,09                     | 35,91                    | 2,57   | 0,87   | 2,89   | 0,47            |
| 1743 | 15:48:59 | 0,15            | 0,17            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,86   | 2,58   | 2,77   | 0,62            |
| 1744 | 15:49:04 | 0,13            | 0,12            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 2,10   | 2,79   | 2,64   | 0,51            |
| 1745 | 15:49:09 | 0,11            | 0,21            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 2,37   | 1,93   | 2,62   | 0,56            |
| 1746 | 15:49:14 | 0,16            | 0,32            | 0,49            | 8,38                     | 9,09                     | 35,91                    | 2,65   | 2,07   | 2,45   | 0,70            |
| 1747 | 15:49:19 | 0,18            | 0,29            | 0,50            | 8,38                     | 9,09                     | 35,91                    | 2,16   | 3,12   | 1,68   | 0,69            |
| 1748 | 15:49:24 | 0,14            | 0,29            | 0,43            | 8,38                     | 9,09                     | 35,91                    | 1,45   | 0,89   | 2,32   | 0,62            |
| 1749 | 15:49:29 | 0,12            | 0,11            | 0,44            | 8,38                     | 9,09                     | 35,91                    | 1,83   | 3,65   | 1,94   | 0,50            |
| 1750 | 15:49:34 | 0,09            | 0,12            | 0,38            | 8,38                     | 9,09                     | 35,91                    | 1,80   | 2,02   | 1,55   | 0,44            |
| 1751 | 15:49:39 | 0,08            | 0,10            | 0,31            | 8,38                     | 9,09                     | 35,91                    | 2,03   | 2,27   | 1,86   | 0,36            |
| 1752 | 15:49:44 | 0,08            | 0,13            | 0,29            | 8,38                     | 9,09                     | 35,91                    | 3,35   | 2,24   | 2,30   | 0,36            |
| 1753 | 15:49:49 | 0,18            | 0,11            | 0,34            | 8,38                     | 9,09                     | 35,91                    | 3,97   | 3,05   | 3,13   | 0,45            |
| 1754 | 15:49:54 | 0,23            | 0,17            | 0,72            | 8,38                     | 9,09                     | 35,91                    | 1,67   | 0,85   | 1,19   | 0,83            |
| 1755 | 15:49:59 | 0,21            | 0,14            | 0,54            | 8,38                     | 9,09                     | 35,91                    | 1,38   | 2,75   | 2,01   | 0,65            |
| 1756 | 15:50:04 | 0,11            | 0,17            | 0,53            | 8,38                     | 9,09                     | 35,91                    | 1,23   | 1,80   | 2,24   | 0,60            |
| 1757 | 15:50:09 | 0,07            | 0,11            | 0,38            | 8,38                     | 9,09                     | 35,91                    | 3,27   | 2,35   | 2,42   | 0,42            |
| 1758 | 15:50:14 | 0,08            | 0,16            | 0,47            | 8,38                     | 9,09                     | 35,91                    | 2,48   | 2,11   | 2,04   | 0,53            |
| 1759 | 15:50:19 | 0,14            | 0,16            | 0,35            | 8,38                     | 9,09                     | 35,91                    | 1,97   | 1,34   | 2,55   | 0,46            |
| 1760 | 15:50:24 | 0,22            | 0,18            | 0,67            | 8,38                     | 9,09                     | 35,91                    | 1,78   | 1,71   | 1,45   | 0,78            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1761 | 15:50:29 | 0,16            | 0,18            | 0,41            | 8,38                     | 9,09                     | 35,91                    | 1,73   | 3,61   | 1,61   | 0,53            |
| 1762 | 15:50:34 | 0,15            | 0,21            | 0,48            | 8,38                     | 9,09                     | 35,91                    | 2,13   | 1,00   | 2,20   | 0,60            |
| 1763 | 15:50:39 | 0,14            | 0,16            | 0,56            | 8,38                     | 9,09                     | 35,91                    | 2,49   | 1,87   | 1,94   | 0,63            |
| 1764 | 15:50:44 | 0,23            | 0,21            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 1,82   | 1,26   | 1,91   | 0,62            |
| 1765 | 15:50:49 | 0,17            | 0,26            | 0,56            | 8,38                     | 9,09                     | 35,91                    | 2,20   | 2,12   | 2,53   | 0,71            |
| 1766 | 15:50:54 | 0,15            | 0,25            | 0,45            | 8,38                     | 9,09                     | 35,91                    | 1,83   | 1,20   | 2,18   | 0,61            |
| 1767 | 15:50:59 | 0,10            | 0,14            | 0,42            | 8,38                     | 9,09                     | 35,91                    | 2,84   | 2,13   | 2,39   | 0,49            |
| 1768 | 15:51:04 | 0,18            | 0,31            | 0,81            | 8,38                     | 9,09                     | 35,91                    | 2,33   | 1,59   | 1,36   | 0,95            |
| 1769 | 15:51:09 | 0,13            | 0,17            | 0,70            | 8,38                     | 9,09                     | 35,91                    | 1,97   | 2,24   | 1,87   | 0,76            |
| 1770 | 15:51:14 | 0,25            | 0,21            | 0,78            | 8,38                     | 9,09                     | 35,91                    | 2,19   | 1,82   | 1,50   | 0,90            |
| 1771 | 15:51:19 | 0,16            | 0,18            | 0,67            | 8,38                     | 9,09                     | 35,91                    | 1,42   | 1,56   | 1,58   | 0,75            |
| 1772 | 15:51:24 | 0,15            | 0,20            | 0,75            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,79   | 1,58   | 0,83            |
| 1773 | 15:51:29 | 0,14            | 0,18            | 0,67            | 8,38                     | 9,09                     | 35,91                    | 1,82   | 2,17   | 1,82   | 0,74            |
| 1774 | 15:51:35 | 0,14            | 0,19            | 0,71            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,58   | 1,66   | 0,78            |
| 1775 | 15:51:40 | 0,14            | 0,19            | 0,78            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,62   | 1,51   | 0,85            |
| 1776 | 15:51:45 | 0,14            | 0,19            | 0,74            | 8,38                     | 9,09                     | 35,91                    | 1,69   | 2,06   | 1,47   | 0,81            |
| 1777 | 15:51:50 | 0,16            | 0,23            | 0,82            | 8,38                     | 9,09                     | 35,91                    | 2,02   | 2,44   | 1,61   | 0,90            |
| 1778 | 15:51:55 | 0,16            | 0,21            | 0,83            | 8,38                     | 9,09                     | 35,91                    | 1,37   | 1,57   | 1,47   | 0,91            |
| 1779 | 15:52:00 | 0,15            | 0,20            | 0,83            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,71   | 1,59   | 0,90            |
| 1780 | 15:52:05 | 0,15            | 0,20            | 0,85            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,69   | 1,54   | 0,92            |
| 1781 | 15:52:10 | 0,15            | 0,21            | 0,86            | 8,38                     | 9,09                     | 35,91                    | 1,45   | 1,66   | 1,53   | 0,93            |
| 1782 | 15:52:15 | 0,15            | 0,22            | 0,93            | 8,38                     | 9,09                     | 35,91                    | 1,95   | 1,99   | 1,65   | 1,00            |
| 1783 | 15:52:20 | 0,15            | 0,23            | 0,92            | 8,38                     | 9,09                     | 35,91                    | 1,48   | 1,77   | 1,71   | 0,99            |
| 1784 | 15:52:25 | 0,15            | 0,23            | 0,88            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 1,77   | 1,71   | 0,96            |
| 1785 | 15:52:30 | 0,17            | 0,22            | 0,97            | 8,38                     | 9,09                     | 35,91                    | 2,11   | 1,82   | 1,84   | 1,04            |
| 1786 | 15:52:35 | 0,08            | 0,17            | 0,43            | 8,38                     | 9,09                     | 35,91                    | 2,35   | 1,85   | 1,77   | 0,51            |
| 1787 | 15:52:40 | 0,52            | 0,27            | 0,96            | 8,38                     | 9,09                     | 35,91                    | 0,73   | 2,20   | 1,38   | 1,27            |
| 1788 | 15:52:45 | 0,23            | 0,39            | 0,69            | 8,38                     | 9,09                     | 35,91                    | 3,63   | 3,96   | 3,68   | 0,93            |
| 1789 | 15:52:50 | 0,22            | 0,22            | 1,30            | 8,38                     | 9,09                     | 35,91                    | 1,86   | 1,73   | 1,33   | 1,37            |
| 1790 | 15:52:55 | 0,21            | 0,24            | 1,34            | 8,38                     | 9,09                     | 35,91                    | 1,83   | 1,93   | 1,77   | 1,41            |
| 1791 | 15:53:00 | 0,21            | 0,24            | 1,26            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,56   | 1,67   | 1,34            |
| 1792 | 15:53:05 | 0,21            | 0,23            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,73   | 1,59   | 1,76   | 1,24            |
| 1793 | 15:53:10 | 0,21            | 0,23            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,58   | 1,73   | 1,23            |
| 1794 | 15:53:15 | 0,22            | 0,23            | 1,12            | 8,38                     | 9,09                     | 35,91                    | 1,68   | 1,69   | 1,84   | 1,21            |
| 1795 | 15:53:20 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,65   | 1,63   | 1,77   | 1,27            |
| 1796 | 15:53:25 | 0,22            | 0,24            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,65   | 1,76   | 1,29            |
| 1797 | 15:53:30 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,63   | 1,57   | 1,69   | 1,27            |
| 1798 | 15:53:35 | 0,21            | 0,23            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,67   | 1,60   | 1,66   | 1,19            |
| 1799 | 15:53:40 | 0,22            | 0,23            | 1,08            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,65   | 1,74   | 1,16            |
| 1800 | 15:53:45 | 0,21            | 0,22            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,72   | 1,75   | 1,18            |
| 1801 | 15:53:50 | 0,21            | 0,23            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,64   | 1,66   | 1,89   | 1,23            |
| 1802 | 15:53:55 | 0,22            | 0,24            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,81   | 1,69   | 1,90   | 1,29            |
| 1803 | 15:54:00 | 0,22            | 0,24            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,65   | 1,60   | 1,66   | 1,30            |
| 1804 | 15:54:05 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 3,00   | 1,72   | 1,67   | 1,28            |
| 1805 | 15:54:10 | 0,22            | 0,23            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,76   | 1,79   | 1,19            |
| 1806 | 15:54:15 | 0,22            | 0,23            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,71   | 1,77   | 1,71   | 1,18            |
| 1807 | 15:54:20 | 0,22            | 0,23            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,74   | 1,73   | 1,68   | 1,19            |
| 1808 | 15:54:25 | 0,22            | 0,24            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 1,75   | 1,67   | 1,19            |
| 1809 | 15:54:30 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 2,99   | 1,82   | 1,72   | 1,26            |
| 1810 | 15:54:35 | 0,22            | 0,24            | 1,14            | 8,38                     | 9,09                     | 35,91                    | 1,76   | 1,87   | 1,79   | 1,23            |
| 1811 | 15:54:40 | 0,22            | 0,23            | 1,10            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 1,64   | 1,67   | 1,19            |
| 1812 | 15:54:45 | 0,22            | 0,23            | 1,06            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,71   | 1,73   | 1,15            |
| 1813 | 15:54:50 | 0,22            | 0,23            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,56   | 1,66   | 1,18            |
| 1814 | 15:54:55 | 0,22            | 0,23            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,68   | 1,71   | 1,18            |
| 1815 | 15:55:00 | 0,22            | 0,24            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,67   | 1,62   | 1,74   | 1,25            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1816 | 15:55:05 | 0,22            | 0,25            | 1,22            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,74   | 1,81   | 1,31            |
| 1817 | 15:55:10 | 0,22            | 0,25            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,57   | 1,65   | 1,28            |
| 1818 | 15:55:15 | 0,22            | 0,24            | 1,14            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,56   | 1,58   | 1,23            |
| 1819 | 15:55:20 | 0,22            | 0,24            | 1,13            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,69   | 1,69   | 1,22            |
| 1820 | 15:55:25 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,65   | 1,59   | 1,66   | 1,23            |
| 1821 | 15:55:30 | 0,22            | 0,25            | 1,23            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,65   | 1,66   | 1,32            |
| 1822 | 15:55:35 | 0,22            | 0,25            | 1,22            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,60   | 1,70   | 1,30            |
| 1823 | 15:55:40 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,67   | 1,68   | 1,24            |
| 1824 | 15:55:45 | 0,22            | 0,25            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,69   | 1,71   | 1,81   | 1,28            |
| 1825 | 15:55:50 | 0,22            | 0,25            | 1,24            | 8,38                     | 9,09                     | 35,91                    | 1,65   | 1,64   | 1,79   | 1,33            |
| 1826 | 15:55:55 | 0,22            | 0,25            | 1,28            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,60   | 1,59   | 1,36            |
| 1827 | 15:56:01 | 0,22            | 0,25            | 1,29            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,57   | 1,67   | 1,37            |
| 1828 | 15:56:06 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,91                    | 1,72   | 1,63   | 1,73   | 1,36            |
| 1829 | 15:56:11 | 0,22            | 0,25            | 1,22            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,59   | 1,57   | 1,30            |
| 1830 | 15:56:16 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,59   | 1,69   | 1,24            |
| 1831 | 15:56:21 | 0,22            | 0,24            | 1,20            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,69   | 1,73   | 1,29            |
| 1832 | 15:56:26 | 0,22            | 0,25            | 1,22            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,65   | 1,71   | 1,31            |
| 1833 | 15:56:31 | 0,22            | 0,25            | 1,25            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,64   | 1,60   | 1,34            |
| 1834 | 15:56:36 | 0,22            | 0,25            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,57   | 1,62   | 1,29            |
| 1835 | 15:56:41 | 0,22            | 0,24            | 1,18            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,57   | 1,59   | 1,27            |
| 1836 | 15:56:46 | 0,22            | 0,23            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,69   | 1,79   | 1,18            |
| 1837 | 15:56:51 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,70   | 1,77   | 1,71   | 1,24            |
| 1838 | 15:56:56 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,57   | 1,70   | 1,25            |
| 1839 | 15:57:01 | 0,22            | 0,24            | 1,14            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,82   | 1,82   | 1,23            |
| 1840 | 15:57:06 | 0,22            | 0,23            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,59   | 1,64   | 1,71   | 1,24            |
| 1841 | 15:57:11 | 0,22            | 0,24            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 3,35   | 1,69   | 1,82   | 1,25            |
| 1842 | 15:57:16 | 0,22            | 0,23            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,64   | 1,73   | 1,25            |
| 1843 | 15:57:21 | 0,22            | 0,23            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,61   | 1,63   | 1,66   | 1,25            |
| 1844 | 15:57:26 | 0,22            | 0,23            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,64   | 1,60   | 1,25            |
| 1845 | 15:57:31 | 0,22            | 0,23            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,63   | 1,79   | 1,68   | 1,26            |
| 1846 | 15:57:36 | 0,22            | 0,23            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,71   | 1,81   | 1,25            |
| 1847 | 15:57:41 | 0,22            | 0,23            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,66   | 1,74   | 1,78   | 1,25            |
| 1848 | 15:57:46 | 0,22            | 0,23            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,61   | 1,73   | 1,25            |
| 1849 | 15:57:51 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,66   | 1,67   | 1,24            |
| 1850 | 15:57:56 | 0,22            | 0,25            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,60   | 1,68   | 1,30            |
| 1851 | 15:58:01 | 0,22            | 0,25            | 1,25            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,59   | 1,60   | 1,34            |
| 1852 | 15:58:06 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,59   | 1,57   | 1,28            |
| 1853 | 15:58:11 | 0,22            | 0,24            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,63   | 1,79   | 1,24            |
| 1854 | 15:58:16 | 0,22            | 0,25            | 1,24            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,66   | 1,61   | 1,33            |
| 1855 | 15:58:21 | 0,22            | 0,25            | 1,24            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,61   | 1,64   | 1,33            |
| 1856 | 15:58:26 | 0,23            | 0,25            | 1,23            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,59   | 1,69   | 1,31            |
| 1857 | 15:58:31 | 0,22            | 0,25            | 1,24            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,67   | 1,63   | 1,33            |
| 1858 | 15:58:36 | 0,22            | 0,24            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,63   | 1,57   | 1,30            |
| 1859 | 15:58:41 | 0,22            | 0,24            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,67   | 1,71   | 1,25            |
| 1860 | 15:58:46 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,60   | 1,62   | 1,25            |
| 1861 | 15:58:51 | 0,22            | 0,24            | 1,16            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,67   | 1,74   | 1,25            |
| 1862 | 15:58:56 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,58   | 1,70   | 1,65   | 1,28            |
| 1863 | 15:59:01 | 0,22            | 0,24            | 1,18            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,63   | 1,66   | 1,27            |
| 1864 | 15:59:06 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,59   | 1,64   | 1,27            |
| 1865 | 15:59:11 | 0,22            | 0,24            | 1,20            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,59   | 1,65   | 1,29            |
| 1866 | 15:59:16 | 0,22            | 0,24            | 1,20            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,59   | 1,69   | 1,29            |
| 1867 | 15:59:21 | 0,22            | 0,25            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,62   | 1,70   | 1,30            |
| 1868 | 15:59:26 | 0,22            | 0,24            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,53   | 1,57   | 1,64   | 1,29            |
| 1869 | 15:59:31 | 0,22            | 0,25            | 1,22            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,59   | 1,69   | 1,30            |
| 1870 | 15:59:36 | 0,22            | 0,25            | 1,21            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,62   | 1,66   | 1,30            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{wz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1871 | 15:59:41 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,91                    | 1,56   | 1,74   | 1,78   | 1,25            |
| 1872 | 15:59:46 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,73   | 1,63   | 1,35            |
| 1873 | 15:59:51 | 0,22            | 0,23            | 1,13            | 8,38                     | 9,09                     | 35,91                    | 1,55   | 1,62   | 1,73   | 1,22            |
| 1874 | 15:59:56 | 0,22            | 0,24            | 1,09            | 8,38                     | 9,09                     | 35,91                    | 1,60   | 1,72   | 1,72   | 1,18            |
| 1875 | 16:00:01 | 0,22            | 0,25            | 1,18            | 8,38                     | 9,09                     | 35,91                    | 1,62   | 1,69   | 1,70   | 1,27            |
| 1876 | 16:00:06 | 0,22            | 0,24            | 1,14            | 8,38                     | 9,09                     | 35,91                    | 1,54   | 1,59   | 1,69   | 1,23            |
| 1877 | 16:00:11 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,91                    | 1,57   | 1,72   | 1,85   | 1,24            |
| 1878 | 16:00:16 | 0,22            | 0,24            | 1,15            | 8,38                     | 9,09                     | 35,92                    | 1,58   | 1,60   | 1,69   | 1,24            |
| 1879 | 16:00:21 | 0,22            | 0,25            | 1,24            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,64   | 1,74   | 1,32            |
| 1880 | 16:00:26 | 0,22            | 0,25            | 1,29            | 8,38                     | 9,09                     | 35,92                    | 1,82   | 2,53   | 1,67   | 1,37            |
| 1881 | 16:00:31 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,58   | 1,67   | 1,36            |
| 1882 | 16:00:36 | 0,22            | 0,25            | 1,28            | 8,38                     | 9,09                     | 35,92                    | 1,57   | 1,60   | 1,60   | 1,37            |
| 1883 | 16:00:41 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,92                    | 2,38   | 2,52   | 1,66   | 1,36            |
| 1884 | 16:00:46 | 0,22            | 0,25            | 1,26            | 8,38                     | 9,09                     | 35,92                    | 1,55   | 1,61   | 1,69   | 1,34            |
| 1885 | 16:00:52 | 0,22            | 0,24            | 1,19            | 8,38                     | 9,09                     | 35,92                    | 2,03   | 3,46   | 1,81   | 1,27            |
| 1886 | 16:00:57 | 0,22            | 0,25            | 1,23            | 8,38                     | 9,09                     | 35,92                    | 1,57   | 1,63   | 1,71   | 1,31            |
| 1887 | 16:01:02 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,58   | 1,66   | 1,36            |
| 1888 | 16:01:07 | 0,22            | 0,25            | 1,27            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,59   | 1,62   | 1,36            |
| 1889 | 16:01:12 | 0,22            | 0,25            | 1,23            | 8,38                     | 9,09                     | 35,92                    | 1,57   | 1,58   | 1,62   | 1,32            |
| 1890 | 16:01:17 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,92                    | 1,58   | 1,65   | 1,70   | 1,25            |
| 1891 | 16:01:22 | 0,22            | 0,24            | 1,18            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,62   | 1,76   | 1,27            |
| 1892 | 16:01:27 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,92                    | 1,60   | 1,60   | 1,62   | 1,26            |
| 1893 | 16:01:32 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,92                    | 1,54   | 1,62   | 1,67   | 1,26            |
| 1894 | 16:01:37 | 0,22            | 0,24            | 1,17            | 8,38                     | 9,09                     | 35,92                    | 1,61   | 1,62   | 1,69   | 1,25            |
| 1895 | 16:01:42 | 0,22            | 0,24            | 1,18            | 8,38                     | 9,09                     | 35,92                    | 1,63   | 1,59   | 1,62   | 1,26            |
| 1896 | 16:01:47 | 0,22            | 0,24            | 1,08            | 8,38                     | 9,09                     | 35,92                    | 1,75   | 1,52   | 1,19   | 1,17            |
| 1897 | 16:01:52 | 0,43            | 0,51            | 2,25            | 8,38                     | 9,09                     | 35,92                    | 1,05   | 1,89   | 0,92   | 2,44            |
| 1898 | 16:01:57 | 0,18            | 0,19            | 0,67            | 8,38                     | 9,09                     | 35,92                    | 2,66   | 0,75   | 1,26   | 0,76            |
| 1899 | 16:02:02 | 0,17            | 0,13            | 0,34            | 8,38                     | 9,09                     | 35,92                    | 1,58   | 1,76   | 2,30   | 0,46            |
| 1900 | 16:02:07 | 0,19            | 0,28            | 0,40            | 8,38                     | 9,09                     | 35,92                    | 2,58   | 3,20   | 2,18   | 0,62            |
| 1901 | 16:02:12 | 0,39            | 0,43            | 0,62            | 8,38                     | 9,09                     | 35,92                    | 1,86   | 3,00   | 3,75   | 1,02            |
| 1902 | 16:02:17 | 0,15            | 0,32            | 0,55            | 8,38                     | 9,09                     | 35,92                    | 2,28   | 1,28   | 1,40   | 0,74            |
| 1903 | 16:02:22 | 0,21            | 0,16            | 0,60            | 8,38                     | 9,09                     | 35,92                    | 3,58   | 1,65   | 2,82   | 0,70            |
| 1904 | 16:02:27 | 0,13            | 0,14            | 0,47            | 8,38                     | 9,09                     | 35,92                    | 2,63   | 1,52   | 2,16   | 0,54            |
| 1905 | 16:02:32 | 0,13            | 0,14            | 0,66            | 8,38                     | 9,09                     | 35,92                    | 2,01   | 2,06   | 2,48   | 0,71            |
| 1906 | 16:02:37 | 0,13            | 0,20            | 0,62            | 8,38                     | 9,09                     | 35,92                    | 2,65   | 2,60   | 3,08   | 0,70            |
| 1907 | 16:02:42 | 0,19            | 0,23            | 0,74            | 8,38                     | 9,09                     | 35,92                    | 3,48   | 2,85   | 3,15   | 0,85            |
| 1908 | 16:02:47 | 0,16            | 0,18            | 0,79            | 8,38                     | 9,09                     | 35,92                    | 2,60   | 1,20   | 1,50   | 0,86            |
| 1909 | 16:02:52 | 0,12            | 0,23            | 0,64            | 8,38                     | 9,09                     | 35,92                    | 1,82   | 1,68   | 1,65   | 0,73            |
| 1910 | 16:02:57 | 0,39            | 0,17            | 0,67            | 8,38                     | 9,09                     | 35,92                    | 2,28   | 1,86   | 2,26   | 0,90            |
| 1911 | 16:03:02 | 0,29            | 0,28            | 0,69            | 8,38                     | 9,09                     | 35,92                    | 0,80   | 2,22   | 1,70   | 0,89            |
| 1912 | 16:03:07 | 0,20            | 0,22            | 0,60            | 8,38                     | 9,09                     | 35,92                    | 1,76   | 1,78   | 1,95   | 0,74            |
| 1913 | 16:03:12 | 0,14            | 0,16            | 0,48            | 8,38                     | 9,09                     | 35,92                    | 2,37   | 1,63   | 1,98   | 0,56            |
| 1914 | 16:03:17 | 0,18            | 0,17            | 0,51            | 8,38                     | 9,09                     | 35,92                    | 1,93   | 2,87   | 2,08   | 0,61            |
| 1915 | 16:03:22 | 0,27            | 0,53            | 0,97            | 8,38                     | 9,09                     | 35,92                    | 1,31   | 0,65   | 1,10   | 1,28            |
| 1916 | 16:03:27 | 0,12            | 0,12            | 0,37            | 8,38                     | 9,09                     | 35,92                    | 2,14   | 2,37   | 2,72   | 0,44            |
| 1917 | 16:03:32 | 0,27            | 0,22            | 0,48            | 8,38                     | 9,09                     | 35,92                    | 2,98   | 3,68   | 2,04   | 0,68            |
| 1918 | 16:03:37 | 0,16            | 0,18            | 0,33            | 8,38                     | 9,09                     | 35,92                    | 2,48   | 1,59   | 2,23   | 0,47            |
| 1919 | 16:03:42 | 0,28            | 0,45            | 0,66            | 8,38                     | 9,09                     | 35,92                    | 1,31   | 2,85   | 1,29   | 1,00            |
| 1920 | 16:03:47 | 0,14            | 0,18            | 0,37            | 8,38                     | 9,09                     | 35,92                    | 1,62   | 2,04   | 2,67   | 0,49            |
| 1921 | 16:03:52 | 0,17            | 0,12            | 0,41            | 8,38                     | 9,09                     | 35,92                    | 1,66   | 2,44   | 2,05   | 0,51            |
| 1922 | 16:03:57 | 0,12            | 0,13            | 0,39            | 8,38                     | 9,09                     | 35,92                    | 2,22   | 1,41   | 1,69   | 0,47            |
| 1923 | 16:04:02 | 0,16            | 0,24            | 0,75            | 8,38                     | 9,09                     | 35,92                    | 2,35   | 2,93   | 1,42   | 0,85            |
| 1924 | 16:04:07 | 0,09            | 0,17            | 0,43            | 8,38                     | 9,09                     | 35,92                    | 2,47   | 2,06   | 2,67   | 0,51            |
| 1925 | 16:04:12 | 0,11            | 0,22            | 0,48            | 8,38                     | 9,09                     | 35,92                    | 2,28   | 1,98   | 2,77   | 0,59            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1926 | 16:04:17 | 0,14            | 0,16            | 0,50            | 8,38                     | 9,09                     | 35,92                    | 2,40   | 3,51   | 1,81   | 0,58            |
| 1927 | 16:04:22 | 0,27            | 0,46            | 1,02            | 8,38                     | 9,09                     | 35,92                    | 2,77   | 2,72   | 2,59   | 1,27            |
| 1928 | 16:04:27 | 0,25            | 0,28            | 0,98            | 8,38                     | 9,09                     | 35,92                    | 1,88   | 0,99   | 1,51   | 1,11            |
| 1929 | 16:04:32 | 0,12            | 0,17            | 0,60            | 8,38                     | 9,09                     | 35,92                    | 1,94   | 2,65   | 1,71   | 0,67            |
| 1930 | 16:04:37 | 0,11            | 0,13            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 2,35   | 2,54   | 2,17   | 0,62            |
| 1931 | 16:04:42 | 0,34            | 0,26            | 0,84            | 8,38                     | 9,09                     | 35,92                    | 2,26   | 2,09   | 2,14   | 1,03            |
| 1932 | 16:04:47 | 0,21            | 0,16            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 1,10   | 1,53   | 1,76   | 0,69            |
| 1933 | 16:04:52 | 0,23            | 0,18            | 0,63            | 8,38                     | 9,09                     | 35,92                    | 1,62   | 2,00   | 2,37   | 0,75            |
| 1934 | 16:04:57 | 0,18            | 0,14            | 0,62            | 8,38                     | 9,09                     | 35,92                    | 2,25   | 2,56   | 2,76   | 0,70            |
| 1935 | 16:05:02 | 0,28            | 0,15            | 0,68            | 8,38                     | 9,09                     | 35,92                    | 0,93   | 2,26   | 1,36   | 0,81            |
| 1936 | 16:05:07 | 0,17            | 0,25            | 0,71            | 8,38                     | 9,09                     | 35,92                    | 2,50   | 3,53   | 2,39   | 0,82            |
| 1937 | 16:05:12 | 0,16            | 0,29            | 0,75            | 8,38                     | 9,09                     | 35,92                    | 1,85   | 1,81   | 2,20   | 0,88            |
| 1938 | 16:05:17 | 0,18            | 0,31            | 0,82            | 8,38                     | 9,09                     | 35,92                    | 3,20   | 3,27   | 5,24   | 0,96            |
| 1939 | 16:05:22 | 0,17            | 0,26            | 0,56            | 8,38                     | 9,09                     | 35,92                    | 1,86   | 1,52   | 1,31   | 0,71            |
| 1940 | 16:05:27 | 0,18            | 0,26            | 0,75            | 8,38                     | 9,09                     | 35,92                    | 1,55   | 1,05   | 1,27   | 0,87            |
| 1941 | 16:05:32 | 0,08            | 0,28            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 2,03   | 1,89   | 1,72   | 0,70            |
| 1942 | 16:05:37 | 0,38            | 0,29            | 0,96            | 8,38                     | 9,09                     | 35,92                    | 3,92   | 2,12   | 2,55   | 1,17            |
| 1943 | 16:05:42 | 0,20            | 0,19            | 0,62            | 8,38                     | 9,09                     | 35,92                    | 1,09   | 2,36   | 1,39   | 0,73            |
| 1944 | 16:05:47 | 0,13            | 0,25            | 0,58            | 8,38                     | 9,09                     | 35,92                    | 2,56   | 2,79   | 3,90   | 0,70            |
| 1945 | 16:05:52 | 0,14            | 0,21            | 0,59            | 8,38                     | 9,09                     | 35,92                    | 1,89   | 2,08   | 1,50   | 0,69            |
| 1946 | 16:05:57 | 0,14            | 0,15            | 0,39            | 8,38                     | 9,09                     | 35,92                    | 1,64   | 2,02   | 1,60   | 0,49            |
| 1947 | 16:06:02 | 0,11            | 0,18            | 0,60            | 8,38                     | 9,09                     | 35,92                    | 3,39   | 2,50   | 3,16   | 0,67            |
| 1948 | 16:06:07 | 0,13            | 0,26            | 0,99            | 8,38                     | 9,09                     | 35,92                    | 2,02   | 1,53   | 1,40   | 1,07            |
| 1949 | 16:06:12 | 0,11            | 0,19            | 0,79            | 8,38                     | 9,09                     | 35,92                    | 1,56   | 1,79   | 1,92   | 0,84            |
| 1950 | 16:06:17 | 0,11            | 0,22            | 0,84            | 8,38                     | 9,09                     | 35,92                    | 1,96   | 1,82   | 1,51   | 0,91            |
| 1951 | 16:06:22 | 0,13            | 0,25            | 0,99            | 8,38                     | 9,09                     | 35,92                    | 2,52   | 2,47   | 2,21   | 1,06            |
| 1952 | 16:06:27 | 0,16            | 0,29            | 1,21            | 8,38                     | 9,09                     | 35,92                    | 1,25   | 1,80   | 1,55   | 1,30            |
| 1953 | 16:06:32 | 0,16            | 0,15            | 0,75            | 8,38                     | 9,09                     | 35,92                    | 3,46   | 2,30   | 3,20   | 0,81            |
| 1954 | 16:06:37 | 0,16            | 0,15            | 0,45            | 8,38                     | 9,09                     | 35,92                    | 3,25   | 2,75   | 2,24   | 0,55            |
| 1955 | 16:06:42 | 0,11            | 0,13            | 0,39            | 8,38                     | 9,09                     | 35,92                    | 2,15   | 2,13   | 2,21   | 0,46            |
| 1956 | 16:06:47 | 0,08            | 0,10            | 0,29            | 8,38                     | 9,09                     | 35,92                    | 3,06   | 2,42   | 1,79   | 0,34            |
| 1957 | 16:06:52 | 0,19            | 0,35            | 0,73            | 8,38                     | 9,09                     | 35,92                    | 3,97   | 4,90   | 6,59   | 0,91            |
| 1958 | 16:06:57 | 0,23            | 0,13            | 0,81            | 8,38                     | 9,09                     | 35,92                    | 1,65   | 1,46   | 1,45   | 0,89            |
| 1959 | 16:07:02 | 0,23            | 0,07            | 0,63            | 8,38                     | 9,09                     | 35,92                    | 1,75   | 1,87   | 1,62   | 0,71            |
| 1960 | 16:07:07 | 0,24            | 0,06            | 0,61            | 8,38                     | 9,09                     | 35,92                    | 1,68   | 2,13   | 1,96   | 0,70            |
| 1961 | 16:07:12 | 0,24            | 0,06            | 0,61            | 8,38                     | 9,09                     | 35,92                    | 1,67   | 2,01   | 1,96   | 0,70            |
| 1962 | 16:07:17 | 0,24            | 0,06            | 0,62            | 8,38                     | 9,09                     | 35,92                    | 1,70   | 2,25   | 1,90   | 0,71            |
| 1963 | 16:07:22 | 0,24            | 0,06            | 0,60            | 8,38                     | 9,09                     | 35,92                    | 1,68   | 2,24   | 1,90   | 0,69            |
| 1964 | 16:07:27 | 0,24            | 0,06            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 1,66   | 2,14   | 1,73   | 0,66            |
| 1965 | 16:07:32 | 0,24            | 0,06            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 1,68   | 2,04   | 1,86   | 0,66            |
| 1966 | 16:07:37 | 0,23            | 0,06            | 0,57            | 8,38                     | 9,09                     | 35,92                    | 1,66   | 2,05   | 1,89   | 0,66            |
| 1967 | 16:07:42 | 0,33            | 0,52            | 1,17            | 8,38                     | 9,10                     | 35,92                    | 1,70   | 3,29   | 1,18   | 1,45            |
| 1968 | 16:07:47 | 0,16            | 0,35            | 0,68            | 8,38                     | 9,10                     | 35,92                    | 0,74   | 0,80   | 1,16   | 0,87            |
| 1969 | 16:07:52 | 0,17            | 0,32            | 0,62            | 8,38                     | 9,10                     | 35,92                    | 1,37   | 2,36   | 1,05   | 0,80            |
| 1970 | 16:07:57 | 0,36            | 0,27            | 0,72            | 8,38                     | 9,10                     | 35,92                    | 2,01   | 1,90   | 2,73   | 0,96            |
| 1971 | 16:08:02 | 0,16            | 0,30            | 1,12            | 8,38                     | 9,10                     | 35,92                    | 2,41   | 1,65   | 2,59   | 1,22            |
| 1972 | 16:08:07 | 0,18            | 0,23            | 0,79            | 8,38                     | 9,10                     | 35,92                    | 1,64   | 1,41   | 1,29   | 0,88            |
| 1973 | 16:08:12 | 0,18            | 0,19            | 0,51            | 8,38                     | 9,10                     | 35,92                    | 1,82   | 1,89   | 2,41   | 0,63            |
| 1974 | 16:08:17 | 0,19            | 0,20            | 0,55            | 8,38                     | 9,10                     | 35,92                    | 1,55   | 1,55   | 1,71   | 0,68            |
| 1975 | 16:08:22 | 0,18            | 0,22            | 0,61            | 8,38                     | 9,10                     | 35,92                    | 1,96   | 2,10   | 2,42   | 0,73            |
| 1976 | 16:08:27 | 0,33            | 0,33            | 2,85            | 8,38                     | 9,10                     | 35,94                    | 7,68   | 5,11   | 3,68   | 2,92            |
| 1977 | 16:08:32 | 0,23            | 0,45            | 0,94            | 8,38                     | 9,10                     | 35,94                    | 1,65   | 1,25   | 2,44   | 1,18            |
| 1978 | 16:08:37 | 0,24            | 0,20            | 0,48            | 8,38                     | 9,10                     | 35,94                    | 2,43   | 2,67   | 3,52   | 0,64            |
| 1979 | 16:08:42 | 0,23            | 0,32            | 0,52            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 1,34   | 1,78   | 0,75            |
| 1980 | 16:08:47 | 0,27            | 0,27            | 0,63            | 8,38                     | 9,10                     | 35,94                    | 4,59   | 1,67   | 1,66   | 0,82            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1981 | 16:08:52 | 0,36            | 0,28            | 0,62            | 8,38                     | 9,10                     | 35,94                    | 0,80   | 2,21   | 2,43   | 0,89            |
| 1982 | 16:08:57 | 0,12            | 0,20            | 0,63            | 8,38                     | 9,10                     | 35,94                    | 3,09   | 1,67   | 2,74   | 0,71            |
| 1983 | 16:09:02 | 0,31            | 0,17            | 0,65            | 8,38                     | 9,10                     | 35,94                    | 3,38   | 2,49   | 1,44   | 0,82            |
| 1984 | 16:09:07 | 0,35            | 0,22            | 0,92            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,18   | 1,04   | 1,09            |
| 1985 | 16:09:12 | 0,26            | 0,15            | 0,55            | 8,38                     | 9,10                     | 35,94                    | 2,73   | 3,35   | 3,45   | 0,69            |
| 1986 | 16:09:17 | 0,13            | 0,21            | 0,55            | 8,38                     | 9,10                     | 35,94                    | 3,11   | 3,38   | 1,55   | 0,65            |
| 1987 | 16:09:22 | 0,23            | 0,27            | 0,60            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 1,27   | 2,49   | 0,78            |
| 1988 | 16:09:27 | 0,19            | 0,29            | 0,82            | 8,38                     | 9,10                     | 35,94                    | 2,43   | 1,72   | 2,72   | 0,95            |
| 1989 | 16:09:32 | 0,29            | 0,34            | 0,58            | 8,38                     | 9,10                     | 35,94                    | 0,88   | 1,95   | 1,53   | 0,85            |
| 1990 | 16:09:37 | 0,30            | 0,24            | 0,62            | 8,38                     | 9,10                     | 35,94                    | 1,07   | 1,38   | 1,50   | 0,81            |
| 1991 | 16:09:42 | 0,12            | 0,20            | 0,48            | 8,38                     | 9,10                     | 35,94                    | 2,45   | 1,95   | 2,58   | 0,58            |
| 1992 | 16:09:47 | 0,14            | 0,14            | 0,48            | 8,38                     | 9,10                     | 35,94                    | 2,05   | 2,65   | 3,96   | 0,56            |
| 1993 | 16:09:52 | 0,16            | 0,38            | 0,72            | 8,38                     | 9,10                     | 35,94                    | 1,82   | 1,11   | 1,38   | 0,92            |
| 1994 | 16:09:57 | 0,20            | 0,24            | 0,68            | 8,38                     | 9,10                     | 35,94                    | 1,61   | 2,22   | 1,77   | 0,80            |
| 1995 | 16:10:02 | 0,12            | 0,22            | 0,55            | 8,38                     | 9,10                     | 35,94                    | 3,36   | 3,00   | 2,06   | 0,65            |
| 1996 | 16:10:07 | 0,29            | 0,34            | 0,78            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 1,93   | 2,26   | 1,00            |
| 1997 | 16:10:12 | 0,17            | 0,30            | 0,41            | 8,38                     | 9,10                     | 35,94                    | 2,16   | 1,62   | 3,17   | 0,63            |
| 1998 | 16:10:17 | 0,20            | 0,32            | 0,59            | 8,38                     | 9,10                     | 35,94                    | 2,30   | 1,90   | 1,63   | 0,79            |
| 1999 | 16:10:22 | 0,17            | 0,27            | 0,49            | 8,38                     | 9,10                     | 35,94                    | 3,25   | 2,42   | 2,17   | 0,66            |
| 2000 | 16:10:27 | 0,19            | 0,45            | 0,77            | 8,38                     | 9,10                     | 35,94                    | 4,01   | 2,94   | 2,22   | 1,03            |
| 2001 | 16:10:32 | 0,46            | 0,66            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 2,42   | 1,22   | 1,90   | 1,52            |
| 2002 | 16:10:37 | 0,30            | 0,32            | 0,77            | 8,38                     | 9,10                     | 35,94                    | 1,40   | 1,69   | 1,11   | 0,99            |
| 2003 | 16:10:42 | 0,21            | 0,49            | 0,63            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,91   | 1,61   | 0,97            |
| 2004 | 16:10:47 | 0,23            | 0,37            | 0,58            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 2,40   | 1,68   | 0,85            |
| 2005 | 16:10:52 | 0,23            | 0,81            | 0,46            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 1,59   | 1,76   | 1,27            |
| 2006 | 16:10:57 | 0,17            | 0,33            | 0,49            | 8,38                     | 9,10                     | 35,94                    | 2,64   | 1,45   | 2,71   | 0,72            |
| 2007 | 16:11:03 | 0,17            | 0,22            | 0,39            | 8,38                     | 9,10                     | 35,94                    | 1,49   | 1,68   | 1,44   | 0,55            |
| 2008 | 16:11:08 | 0,20            | 0,31            | 0,42            | 8,38                     | 9,10                     | 35,94                    | 2,74   | 1,81   | 2,10   | 0,67            |
| 2009 | 16:11:13 | 0,12            | 0,24            | 0,50            | 8,38                     | 9,10                     | 35,94                    | 3,65   | 1,69   | 1,30   | 0,62            |
| 2010 | 16:11:18 | 0,17            | 0,16            | 0,29            | 8,38                     | 9,10                     | 35,94                    | 3,48   | 3,23   | 4,36   | 0,43            |
| 2011 | 16:11:23 | 0,19            | 0,20            | 0,43            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 1,12   | 0,92   | 0,57            |
| 2012 | 16:11:28 | 0,24            | 0,39            | 0,46            | 8,38                     | 9,10                     | 35,94                    | 3,81   | 4,31   | 3,51   | 0,79            |
| 2013 | 16:11:33 | 0,21            | 0,34            | 1,34            | 8,38                     | 9,10                     | 35,94                    | 1,86   | 2,26   | 2,46   | 1,45            |
| 2014 | 16:11:38 | 0,19            | 0,28            | 0,50            | 8,38                     | 9,10                     | 35,94                    | 1,72   | 1,43   | 1,93   | 0,69            |
| 2015 | 16:11:43 | 0,19            | 0,25            | 0,48            | 8,38                     | 9,10                     | 35,94                    | 1,73   | 1,54   | 1,80   | 0,64            |
| 2016 | 16:11:48 | 0,19            | 0,25            | 0,52            | 8,38                     | 9,10                     | 35,94                    | 1,71   | 1,58   | 1,80   | 0,67            |
| 2017 | 16:11:53 | 0,19            | 0,25            | 0,51            | 8,38                     | 9,10                     | 35,94                    | 1,68   | 1,59   | 1,92   | 0,67            |
| 2018 | 16:11:58 | 0,18            | 0,25            | 0,53            | 8,38                     | 9,10                     | 35,94                    | 1,72   | 1,61   | 1,83   | 0,69            |
| 2019 | 16:12:03 | 0,18            | 0,26            | 0,55            | 8,38                     | 9,10                     | 35,94                    | 1,68   | 1,56   | 1,80   | 0,71            |
| 2020 | 16:12:08 | 0,17            | 0,27            | 0,68            | 8,38                     | 9,10                     | 35,94                    | 1,43   | 1,47   | 2,66   | 0,81            |
| 2021 | 16:12:13 | 0,14            | 0,29            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 1,48   | 1,67   | 1,22            |
| 2022 | 16:12:18 | 0,14            | 0,29            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 1,51   | 1,68   | 1,19            |
| 2023 | 16:12:23 | 0,14            | 0,30            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,80   | 1,55   | 1,64   | 1,21            |
| 2024 | 16:12:28 | 0,15            | 0,30            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,51   | 1,64   | 1,22            |
| 2025 | 16:12:34 | 0,15            | 0,30            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 3,31   | 2,57   | 1,68   | 1,22            |
| 2026 | 16:12:39 | 0,15            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 2,37   | 1,94   | 2,56   | 1,24            |
| 2027 | 16:12:44 | 0,21            | 0,24            | 1,24            | 8,38                     | 9,10                     | 35,94                    | 1,51   | 2,88   | 2,41   | 1,32            |
| 2028 | 16:12:49 | 0,16            | 0,29            | 0,97            | 8,38                     | 9,10                     | 35,94                    | 1,72   | 1,61   | 1,73   | 1,08            |
| 2029 | 16:12:54 | 0,15            | 0,30            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,55   | 1,78   | 1,12            |
| 2030 | 16:12:59 | 0,14            | 0,30            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,90   | 1,54   | 1,83   | 1,11            |
| 2031 | 16:13:04 | 0,15            | 0,30            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,84   | 1,55   | 1,66   | 1,12            |
| 2032 | 16:13:09 | 0,15            | 0,30            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 2,96   | 2,30   | 1,97   | 1,12            |
| 2033 | 16:13:14 | 0,15            | 0,29            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,88   | 1,58   | 1,68   | 1,13            |
| 2034 | 16:13:19 | 0,14            | 0,30            | 1,08            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,57   | 1,73   | 1,17            |
| 2035 | 16:13:24 | 0,15            | 0,30            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,85   | 1,55   | 1,77   | 1,19            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2036 | 16:13:29 | 0,14            | 0,30            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 1,90   | 1,56   | 1,70   | 1,22            |
| 2037 | 16:13:34 | 0,15            | 0,30            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,86   | 1,49   | 1,67   | 1,19            |
| 2038 | 16:13:39 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,85   | 1,54   | 1,71   | 1,24            |
| 2039 | 16:13:44 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,84   | 1,50   | 1,64   | 1,23            |
| 2040 | 16:13:49 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 3,88   | 2,04   | 1,71   | 1,23            |
| 2041 | 16:13:54 | 0,14            | 0,30            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 1,52   | 1,59   | 1,20            |
| 2042 | 16:13:59 | 0,14            | 0,30            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,57   | 1,72   | 1,23            |
| 2043 | 16:14:04 | 0,14            | 0,30            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,54   | 1,72   | 1,22            |
| 2044 | 16:14:09 | 0,14            | 0,30            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 1,84   | 1,53   | 1,61   | 1,21            |
| 2045 | 16:14:14 | 0,14            | 0,30            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,48   | 1,66   | 1,21            |
| 2046 | 16:14:19 | 0,14            | 0,30            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,56   | 1,60   | 1,20            |
| 2047 | 16:14:24 | 0,14            | 0,31            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,52   | 1,61   | 1,20            |
| 2048 | 16:14:29 | 0,14            | 0,31            | 1,08            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,52   | 1,74   | 1,18            |
| 2049 | 16:14:34 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,51   | 1,74   | 1,13            |
| 2050 | 16:14:39 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,51   | 1,72   | 1,13            |
| 2051 | 16:14:44 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,51   | 1,64   | 1,14            |
| 2052 | 16:14:49 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,51   | 1,74   | 1,13            |
| 2053 | 16:14:54 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,52   | 1,69   | 1,14            |
| 2054 | 16:14:59 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,49   | 1,65   | 1,13            |
| 2055 | 16:15:04 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,51   | 1,73   | 1,12            |
| 2056 | 16:15:09 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,50   | 1,77   | 1,13            |
| 2057 | 16:15:14 | 0,14            | 0,31            | 0,99            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,51   | 1,64   | 1,10            |
| 2058 | 16:15:19 | 0,14            | 0,31            | 0,98            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,49   | 1,68   | 1,10            |
| 2059 | 16:15:24 | 0,14            | 0,31            | 0,99            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,52   | 1,64   | 1,10            |
| 2060 | 16:15:29 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,53   | 1,64   | 1,13            |
| 2061 | 16:15:34 | 0,14            | 0,32            | 0,99            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,56   | 1,87   | 1,11            |
| 2062 | 16:15:39 | 0,14            | 0,32            | 0,99            | 8,38                     | 9,10                     | 35,94                    | 2,16   | 2,72   | 1,99   | 1,10            |
| 2063 | 16:15:44 | 0,14            | 0,32            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,56   | 1,78   | 1,15            |
| 2064 | 16:15:49 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,51   | 1,64   | 1,12            |
| 2065 | 16:15:54 | 0,14            | 0,31            | 0,94            | 8,38                     | 9,10                     | 35,94                    | 2,17   | 1,68   | 2,05   | 1,06            |
| 2066 | 16:15:59 | 0,14            | 0,31            | 0,98            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,51   | 1,79   | 1,09            |
| 2067 | 16:16:04 | 0,14            | 0,31            | 0,98            | 8,38                     | 9,10                     | 35,94                    | 3,01   | 2,29   | 1,99   | 1,09            |
| 2068 | 16:16:09 | 0,14            | 0,31            | 1,00            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,49   | 1,68   | 1,11            |
| 2069 | 16:16:14 | 0,14            | 0,31            | 1,00            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,49   | 1,72   | 1,10            |
| 2070 | 16:16:19 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,50   | 1,71   | 1,11            |
| 2071 | 16:16:24 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 1,51   | 1,66   | 1,12            |
| 2072 | 16:16:29 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,51   | 1,60   | 1,12            |
| 2073 | 16:16:34 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,51   | 1,62   | 1,12            |
| 2074 | 16:16:39 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,46   | 1,68   | 1,12            |
| 2075 | 16:16:44 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,48   | 1,63   | 1,12            |
| 2076 | 16:16:49 | 0,14            | 0,31            | 1,00            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,49   | 1,69   | 1,10            |
| 2077 | 16:16:54 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 1,48   | 1,64   | 1,12            |
| 2078 | 16:16:59 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,48   | 1,63   | 1,13            |
| 2079 | 16:17:04 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,48   | 1,70   | 1,13            |
| 2080 | 16:17:09 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,45   | 1,69   | 1,12            |
| 2081 | 16:17:14 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,46   | 1,73   | 1,12            |
| 2082 | 16:17:19 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,48   | 1,73   | 1,14            |
| 2083 | 16:17:24 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,41   | 1,71   | 1,13            |
| 2084 | 16:17:29 | 0,14            | 0,30            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 3,27   | 1,56   | 1,81   | 1,13            |
| 2085 | 16:17:34 | 0,14            | 0,30            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 2,46   | 1,83   | 1,14            |
| 2086 | 16:17:40 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,44   | 1,70   | 1,13            |
| 2087 | 16:17:45 | 0,14            | 0,31            | 1,02            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,49   | 1,69   | 1,13            |
| 2088 | 16:17:50 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,46   | 1,72   | 1,13            |
| 2089 | 16:17:55 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 2,03   | 2,97   | 2,03   | 1,13            |
| 2090 | 16:18:00 | 0,14            | 0,31            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,47   | 1,70   | 1,14            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2091 | 16:18:05 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,47   | 1,73   | 1,13            |
| 2092 | 16:18:10 | 0,14            | 0,31            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,47   | 1,69   | 1,15            |
| 2093 | 16:18:15 | 0,14            | 0,32            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,46   | 1,71   | 1,14            |
| 2094 | 16:18:20 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,51   | 1,79   | 1,14            |
| 2095 | 16:18:25 | 0,14            | 0,31            | 1,01            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,45   | 1,68   | 1,12            |
| 2096 | 16:18:30 | 0,14            | 0,31            | 1,03            | 8,38                     | 9,10                     | 35,94                    | 2,52   | 2,92   | 1,92   | 1,13            |
| 2097 | 16:18:35 | 0,14            | 0,32            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,45   | 1,80   | 1,16            |
| 2098 | 16:18:40 | 0,14            | 0,31            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,44   | 1,66   | 1,15            |
| 2099 | 16:18:45 | 0,14            | 0,31            | 1,06            | 8,38                     | 9,10                     | 35,94                    | 2,07   | 1,50   | 1,69   | 1,16            |
| 2100 | 16:18:50 | 0,14            | 0,32            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,47   | 1,69   | 1,16            |
| 2101 | 16:18:55 | 0,14            | 0,31            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 3,34   | 1,99   | 1,14            |
| 2102 | 16:19:00 | 0,14            | 0,31            | 1,06            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,49   | 1,67   | 1,16            |
| 2103 | 16:19:05 | 0,14            | 0,31            | 1,06            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,47   | 1,79   | 1,16            |
| 2104 | 16:19:10 | 0,14            | 0,31            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,49   | 1,72   | 1,16            |
| 2105 | 16:19:15 | 0,15            | 0,31            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,85   | 1,43   | 1,70   | 1,16            |
| 2106 | 16:19:20 | 0,14            | 0,31            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,46   | 1,66   | 1,14            |
| 2107 | 16:19:25 | 0,14            | 0,31            | 1,04            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,52   | 1,76   | 1,15            |
| 2108 | 16:19:30 | 0,14            | 0,31            | 1,06            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 1,46   | 1,70   | 1,16            |
| 2109 | 16:19:35 | 0,14            | 0,30            | 1,05            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,46   | 1,72   | 1,15            |
| 2110 | 16:19:40 | 0,14            | 0,31            | 1,06            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,45   | 1,70   | 1,16            |
| 2111 | 16:19:45 | 0,14            | 0,31            | 1,07            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 3,34   | 2,01   | 1,17            |
| 2112 | 16:19:50 | 0,14            | 0,31            | 1,09            | 8,38                     | 9,10                     | 35,94                    | 2,02   | 1,47   | 1,65   | 1,19            |
| 2113 | 16:19:55 | 0,14            | 0,31            | 1,08            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,50   | 1,58   | 1,18            |
| 2114 | 16:20:00 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,49   | 1,60   | 1,20            |
| 2115 | 16:20:05 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 2,01   | 1,44   | 1,62   | 1,20            |
| 2116 | 16:20:10 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,46   | 1,63   | 1,20            |
| 2117 | 16:20:15 | 0,14            | 0,31            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,44   | 1,60   | 1,21            |
| 2118 | 16:20:20 | 0,14            | 0,31            | 1,09            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,47   | 1,64   | 1,19            |
| 2119 | 16:20:25 | 0,15            | 0,32            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,90   | 1,46   | 1,67   | 1,20            |
| 2120 | 16:20:30 | 0,14            | 0,31            | 1,09            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,47   | 1,67   | 1,19            |
| 2121 | 16:20:35 | 0,15            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,48   | 1,73   | 1,20            |
| 2122 | 16:20:40 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,44   | 1,65   | 1,20            |
| 2123 | 16:20:45 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,43   | 1,66   | 1,20            |
| 2124 | 16:20:50 | 0,14            | 0,31            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,52   | 1,63   | 1,21            |
| 2125 | 16:20:55 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 2,03   | 1,47   | 1,69   | 1,20            |
| 2126 | 16:21:00 | 0,14            | 0,31            | 1,10            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,63   | 1,65   | 1,20            |
| 2127 | 16:21:05 | 0,14            | 0,31            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,45   | 1,62   | 1,21            |
| 2128 | 16:21:10 | 0,14            | 0,31            | 1,11            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,44   | 1,63   | 1,20            |
| 2129 | 16:21:15 | 0,14            | 0,31            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,46   | 1,62   | 1,22            |
| 2130 | 16:21:20 | 0,14            | 0,31            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,44   | 1,66   | 1,22            |
| 2131 | 16:21:25 | 0,15            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,57   | 1,66   | 1,24            |
| 2132 | 16:21:30 | 0,14            | 0,32            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,48   | 1,64   | 1,23            |
| 2133 | 16:21:35 | 0,15            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 2,57   | 2,01   | 1,78   | 1,24            |
| 2134 | 16:21:40 | 0,14            | 0,31            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,50   | 1,62   | 1,22            |
| 2135 | 16:21:45 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,50   | 1,62   | 1,24            |
| 2136 | 16:21:50 | 0,15            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,49   | 1,66   | 1,23            |
| 2137 | 16:21:55 | 0,14            | 0,32            | 1,15            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,49   | 1,78   | 1,25            |
| 2138 | 16:22:00 | 0,15            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 2,72   | 1,81   | 1,70   | 1,24            |
| 2139 | 16:22:05 | 0,14            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,47   | 1,66   | 1,24            |
| 2140 | 16:22:10 | 0,15            | 0,32            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,45   | 1,70   | 1,22            |
| 2141 | 16:22:15 | 0,14            | 0,31            | 1,15            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,48   | 1,60   | 1,24            |
| 2142 | 16:22:20 | 0,14            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,50   | 1,62   | 1,24            |
| 2143 | 16:22:26 | 0,14            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 2,70   | 3,24   | 1,66   | 1,24            |
| 2144 | 16:22:31 | 0,14            | 0,32            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,44   | 1,64   | 1,24            |
| 2145 | 16:22:36 | 0,14            | 0,32            | 1,12            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 2,59   | 1,73   | 1,22            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2146 | 16:22:41 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,47   | 1,65   | 1,22            |
| 2147 | 16:22:46 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,49   | 1,63   | 1,23            |
| 2148 | 16:22:51 | 0,14            | 0,32            | 1,15            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 1,47   | 1,65   | 1,25            |
| 2149 | 16:22:56 | 0,15            | 0,32            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,46   | 1,69   | 1,23            |
| 2150 | 16:23:01 | 0,14            | 0,32            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,48   | 1,65   | 1,23            |
| 2151 | 16:23:06 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,46   | 1,60   | 1,23            |
| 2152 | 16:23:11 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,45   | 1,60   | 1,23            |
| 2153 | 16:23:16 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,44   | 1,60   | 1,23            |
| 2154 | 16:23:21 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,46   | 1,63   | 1,23            |
| 2155 | 16:23:26 | 0,14            | 0,31            | 1,13            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,49   | 1,62   | 1,23            |
| 2156 | 16:23:31 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,93   | 1,50   | 1,69   | 1,24            |
| 2157 | 16:23:36 | 0,14            | 0,31            | 1,14            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,45   | 1,60   | 1,24            |
| 2158 | 16:23:41 | 0,15            | 0,30            | 0,93            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,41   | 1,11   | 1,05            |
| 2159 | 16:23:46 | 0,15            | 0,23            | 1,38            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 1,37   | 2,51   | 1,43            |
| 2160 | 16:23:52 | 0,03            | 0,05            | 0,37            | 8,38                     | 9,10                     | 35,94                    | 0,89   | 0,43   | 0,67   | 0,38            |
| 2161 | 16:23:57 | 0,01            | 0,02            | 0,17            | 8,38                     | 9,10                     | 35,94                    | 1,11   | 1,12   | 0,33   | 0,17            |
| 2162 | 16:24:02 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,52   | 1,05   | 2,39   | 0,02            |
| 2163 | 16:24:07 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,23   | 2,14   | 2,07   | 0,02            |
| 2164 | 16:24:13 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,59   | 2,60   | 2,71   | 0,02            |
| 2165 | 16:24:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,46   | 2,01   | 3,03   | 0,02            |
| 2166 | 16:24:23 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,87   | 1,90   | 2,14   | 0,02            |
| 2167 | 16:24:28 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,20   | 2,77   | 2,37   | 0,02            |
| 2168 | 16:24:33 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,50   | 1,66   | 2,66   | 0,02            |
| 2169 | 16:24:38 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 2,47   | 2,20   | 0,02            |
| 2170 | 16:24:43 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,92   | 1,11   | 3,18   | 0,02            |
| 2171 | 16:24:48 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,64   | 1,66   | 2,93   | 0,02            |
| 2172 | 16:24:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,68   | 1,17   | 3,49   | 0,02            |
| 2173 | 16:24:58 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,12   | 2,83   | 2,49   | 0,02            |
| 2174 | 16:25:03 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,62   | 2,34   | 3,18   | 0,02            |
| 2175 | 16:25:08 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,22   | 2,45   | 1,85   | 0,02            |
| 2176 | 16:25:14 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,56   | 3,05   | 2,23   | 0,02            |
| 2177 | 16:25:19 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,77   | 1,47   | 2,82   | 0,02            |
| 2178 | 16:25:24 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,52   | 3,02   | 2,42   | 0,02            |
| 2179 | 16:25:29 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,57   | 2,41   | 2,42   | 0,02            |
| 2180 | 16:25:34 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,23   | 1,96   | 2,50   | 0,02            |
| 2181 | 16:25:39 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 3,75   | 2,92   | 0,02            |
| 2182 | 16:25:44 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,35   | 2,95   | 3,79   | 0,02            |
| 2183 | 16:25:49 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,10   | 1,53   | 2,79   | 0,02            |
| 2184 | 16:25:54 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,52   | 2,83   | 2,72   | 0,02            |
| 2185 | 16:25:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,37   | 2,48   | 2,54   | 0,02            |
| 2186 | 16:26:04 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 1,91   | 4,09   | 0,02            |
| 2187 | 16:26:09 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,31   | 1,93   | 2,21   | 0,02            |
| 2188 | 16:26:14 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 2,02   | 2,30   | 0,02            |
| 2189 | 16:26:19 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,05   | 2,21   | 2,53   | 0,02            |
| 2190 | 16:26:24 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,10   | 1,98   | 2,34   | 0,02            |
| 2191 | 16:26:29 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,53   | 2,39   | 2,86   | 0,02            |
| 2192 | 16:26:35 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 2,50   | 2,71   | 0,02            |
| 2193 | 16:26:40 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 1,24   | 3,16   | 0,02            |
| 2194 | 16:26:45 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,73   | 1,56   | 2,19   | 0,02            |
| 2195 | 16:26:50 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,03   | 2,61   | 1,89   | 0,02            |
| 2196 | 16:26:55 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,18   | 2,25   | 2,46   | 0,02            |
| 2197 | 16:27:00 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,33   | 1,90   | 2,40   | 0,02            |
| 2198 | 16:27:05 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,31   | 2,09   | 2,70   | 0,02            |
| 2199 | 16:27:10 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,29   | 1,13   | 2,38   | 0,02            |
| 2200 | 16:27:15 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,20   | 2,95   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2201 | 16:27:20 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,57   | 2,33   | 2,34   | 0,02            |
| 2202 | 16:27:25 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,97   | 1,72   | 2,82   | 0,02            |
| 2203 | 16:27:30 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,02   | 1,85   | 2,47   | 0,02            |
| 2204 | 16:27:35 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,54   | 2,35   | 2,13   | 0,02            |
| 2205 | 16:27:40 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,68   | 1,66   | 2,19   | 0,02            |
| 2206 | 16:27:45 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,11   | 2,79   | 0,02            |
| 2207 | 16:27:50 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,86   | 2,53   | 0,02            |
| 2208 | 16:27:55 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,15   | 2,45   | 3,84   | 0,02            |
| 2209 | 16:28:00 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,88   | 2,76   | 3,06   | 0,02            |
| 2210 | 16:28:05 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,15   | 1,27   | 3,01   | 0,02            |
| 2211 | 16:28:10 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,18   | 1,47   | 2,34   | 0,02            |
| 2212 | 16:28:15 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,24   | 2,44   | 2,91   | 0,02            |
| 2213 | 16:28:20 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,65   | 3,26   | 0,02            |
| 2214 | 16:28:25 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,03   | 2,37   | 2,74   | 0,02            |
| 2215 | 16:28:30 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,82   | 2,84   | 3,16   | 0,02            |
| 2216 | 16:28:35 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,42   | 1,71   | 1,96   | 0,02            |
| 2217 | 16:28:40 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,51   | 1,82   | 3,31   | 0,02            |
| 2218 | 16:28:45 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 1,73   | 3,28   | 0,02            |
| 2219 | 16:28:51 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 2,59   | 3,27   | 0,02            |
| 2220 | 16:28:56 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 2,74   | 1,82   | 0,02            |
| 2221 | 16:29:01 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,30   | 2,09   | 2,32   | 0,02            |
| 2222 | 16:29:06 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,67   | 2,19   | 2,87   | 0,02            |
| 2223 | 16:29:11 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,22   | 2,05   | 3,03   | 0,02            |
| 2224 | 16:29:16 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 3,23   | 3,42   | 0,02            |
| 2225 | 16:29:21 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,51   | 2,23   | 2,62   | 0,02            |
| 2226 | 16:29:26 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,75   | 2,40   | 2,99   | 0,02            |
| 2227 | 16:29:31 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 2,02   | 1,90   | 0,02            |
| 2228 | 16:29:36 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,07   | 1,19   | 3,07   | 0,02            |
| 2229 | 16:29:41 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,92   | 2,08   | 2,67   | 0,02            |
| 2230 | 16:29:46 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,79   | 2,33   | 2,76   | 0,02            |
| 2231 | 16:29:52 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,59   | 2,42   | 2,60   | 0,02            |
| 2232 | 16:29:57 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,83   | 3,80   | 3,38   | 0,02            |
| 2233 | 16:30:02 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,69   | 2,94   | 2,30   | 0,02            |
| 2234 | 16:30:07 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,15   | 2,66   | 2,87   | 0,02            |
| 2235 | 16:30:12 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,65   | 2,43   | 2,41   | 0,02            |
| 2236 | 16:30:17 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,45   | 1,40   | 2,65   | 0,02            |
| 2237 | 16:30:22 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,72   | 2,63   | 2,44   | 0,02            |
| 2238 | 16:30:27 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,24   | 1,86   | 2,14   | 0,02            |
| 2239 | 16:30:32 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,55   | 2,34   | 2,37   | 0,02            |
| 2240 | 16:30:37 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,84   | 3,73   | 2,79   | 0,02            |
| 2241 | 16:30:42 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,28   | 2,84   | 2,32   | 0,02            |
| 2242 | 16:30:47 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,14   | 2,11   | 2,40   | 0,02            |
| 2243 | 16:30:52 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,24   | 2,75   | 3,10   | 0,02            |
| 2244 | 16:30:57 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,74   | 1,77   | 2,48   | 0,02            |
| 2245 | 16:31:02 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,49   | 3,41   | 3,40   | 0,02            |
| 2246 | 16:31:07 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,63   | 2,91   | 2,63   | 0,02            |
| 2247 | 16:31:12 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,40   | 1,77   | 2,93   | 0,02            |
| 2248 | 16:31:17 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,25   | 2,16   | 2,65   | 0,02            |
| 2249 | 16:31:22 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 1,98   | 2,66   | 0,02            |
| 2250 | 16:31:27 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,31   | 1,40   | 2,65   | 0,02            |
| 2251 | 16:31:32 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,68   | 2,08   | 2,64   | 0,02            |
| 2252 | 16:31:37 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,34   | 1,38   | 2,33   | 0,02            |
| 2253 | 16:31:42 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,00   | 1,71   | 2,50   | 0,02            |
| 2254 | 16:31:47 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 2,23   | 2,37   | 0,02            |
| 2255 | 16:31:52 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,51   | 2,31   | 2,57   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2256 | 16:31:57 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,07   | 2,51   | 2,38   | 0,02            |
| 2257 | 16:32:02 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,68   | 1,92   | 2,71   | 0,02            |
| 2258 | 16:32:07 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 1,85   | 3,51   | 0,02            |
| 2259 | 16:32:12 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,03   | 1,63   | 2,32   | 0,02            |
| 2260 | 16:32:17 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,52   | 2,14   | 0,02            |
| 2261 | 16:32:22 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 2,44   | 2,72   | 0,02            |
| 2262 | 16:32:27 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 2,83   | 3,07   | 0,02            |
| 2263 | 16:32:32 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,23   | 2,76   | 2,70   | 0,02            |
| 2264 | 16:32:37 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,50   | 1,80   | 2,87   | 0,02            |
| 2265 | 16:32:42 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,64   | 1,44   | 2,55   | 0,02            |
| 2266 | 16:32:47 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,29   | 2,36   | 2,32   | 0,02            |
| 2267 | 16:32:53 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,51   | 1,56   | 3,78   | 0,02            |
| 2268 | 16:32:58 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,16   | 2,16   | 2,59   | 0,02            |
| 2269 | 16:33:03 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,45   | 2,41   | 3,03   | 0,02            |
| 2270 | 16:33:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,10   | 3,08   | 2,25   | 0,02            |
| 2271 | 16:33:13 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,84   | 2,51   | 3,26   | 0,02            |
| 2272 | 16:33:18 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 1,25   | 2,86   | 0,02            |
| 2273 | 16:33:23 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,66   | 1,35   | 3,28   | 0,02            |
| 2274 | 16:33:28 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 3,05   | 3,57   | 0,02            |
| 2275 | 16:33:33 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,76   | 2,89   | 2,72   | 0,02            |
| 2276 | 16:33:38 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,48   | 1,71   | 3,01   | 0,02            |
| 2277 | 16:33:43 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,23   | 2,23   | 3,11   | 0,02            |
| 2278 | 16:33:48 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,36   | 1,72   | 2,65   | 0,02            |
| 2279 | 16:33:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,56   | 2,28   | 2,58   | 0,02            |
| 2280 | 16:33:58 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,32   | 2,30   | 2,27   | 0,02            |
| 2281 | 16:34:03 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 3,03   | 2,37   | 0,02            |
| 2282 | 16:34:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 2,84   | 3,04   | 0,02            |
| 2283 | 16:34:13 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,55   | 1,97   | 3,12   | 0,02            |
| 2284 | 16:34:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,07   | 2,77   | 2,52   | 0,02            |
| 2285 | 16:34:23 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,35   | 2,65   | 0,02            |
| 2286 | 16:34:28 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,24   | 1,83   | 2,90   | 0,02            |
| 2287 | 16:34:33 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,92   | 1,73   | 3,60   | 0,02            |
| 2288 | 16:34:38 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,09   | 2,32   | 4,37   | 0,02            |
| 2289 | 16:34:43 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,08   | 1,88   | 2,82   | 0,02            |
| 2290 | 16:34:48 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,84   | 1,18   | 2,43   | 0,02            |
| 2291 | 16:34:53 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,64   | 2,42   | 2,69   | 0,02            |
| 2292 | 16:34:58 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 2,31   | 3,30   | 0,02            |
| 2293 | 16:35:03 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,22   | 1,69   | 2,90   | 0,02            |
| 2294 | 16:35:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,63   | 1,96   | 4,05   | 0,02            |
| 2295 | 16:35:13 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 1,81   | 2,37   | 0,02            |
| 2296 | 16:35:18 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,99   | 1,94   | 2,55   | 0,02            |
| 2297 | 16:35:23 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 2,36   | 2,66   | 0,02            |
| 2298 | 16:35:28 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 1,94   | 3,29   | 0,02            |
| 2299 | 16:35:33 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,29   | 1,84   | 2,87   | 0,02            |
| 2300 | 16:35:38 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,76   | 1,92   | 2,00   | 0,02            |
| 2301 | 16:35:43 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 2,46   | 2,68   | 0,02            |
| 2302 | 16:35:48 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 2,38   | 2,69   | 0,02            |
| 2303 | 16:35:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,72   | 1,44   | 2,75   | 0,02            |
| 2304 | 16:35:58 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,43   | 2,11   | 2,47   | 0,02            |
| 2305 | 16:36:03 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,24   | 1,99   | 1,99   | 0,02            |
| 2306 | 16:36:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,97   | 1,25   | 3,90   | 0,02            |
| 2307 | 16:36:13 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,12   | 2,65   | 3,42   | 0,02            |
| 2308 | 16:36:18 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,50   | 2,43   | 2,42   | 0,02            |
| 2309 | 16:36:23 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,03   | 1,83   | 2,81   | 0,02            |
| 2310 | 16:36:28 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,21   | 3,08   | 2,70   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2311 | 16:36:33 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,68   | 1,44   | 2,55   | 0,02            |
| 2312 | 16:36:38 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,15   | 2,35   | 2,52   | 0,02            |
| 2313 | 16:36:43 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,21   | 2,01   | 3,92   | 0,02            |
| 2314 | 16:36:48 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 1,32   | 2,66   | 0,02            |
| 2315 | 16:36:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 3,19   | 2,09   | 0,02            |
| 2316 | 16:36:58 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,55   | 1,12   | 2,51   | 0,02            |
| 2317 | 16:37:03 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,92   | 1,80   | 2,52   | 0,02            |
| 2318 | 16:37:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,39   | 2,06   | 2,67   | 0,02            |
| 2319 | 16:37:13 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,23   | 1,62   | 3,62   | 0,02            |
| 2320 | 16:37:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,61   | 3,15   | 0,02            |
| 2321 | 16:37:23 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,31   | 3,71   | 3,13   | 0,02            |
| 2322 | 16:37:28 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,69   | 3,79   | 2,01   | 0,02            |
| 2323 | 16:37:33 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,51   | 2,80   | 3,31   | 0,02            |
| 2324 | 16:37:38 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 1,84   | 2,07   | 0,02            |
| 2325 | 16:37:43 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,31   | 1,89   | 3,09   | 0,02            |
| 2326 | 16:37:48 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 1,77   | 2,38   | 0,02            |
| 2327 | 16:37:53 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 1,76   | 2,56   | 0,02            |
| 2328 | 16:37:58 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,20   | 2,58   | 3,32   | 0,02            |
| 2329 | 16:38:03 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,19   | 2,37   | 2,80   | 0,02            |
| 2330 | 16:38:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,24   | 2,37   | 2,97   | 0,02            |
| 2331 | 16:38:13 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,52   | 1,92   | 0,02            |
| 2332 | 16:38:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,70   | 2,27   | 2,81   | 0,02            |
| 2333 | 16:38:23 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 1,84   | 2,76   | 0,02            |
| 2334 | 16:38:28 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,24   | 2,14   | 2,75   | 0,02            |
| 2335 | 16:38:33 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 0,78   | 1,94   | 2,75   | 0,02            |
| 2336 | 16:38:38 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,97   | 3,17   | 3,78   | 0,02            |
| 2337 | 16:38:43 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,65   | 1,62   | 2,61   | 0,02            |
| 2338 | 16:38:48 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,44   | 2,16   | 2,99   | 0,02            |
| 2339 | 16:38:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,70   | 1,28   | 2,32   | 0,02            |
| 2340 | 16:38:58 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,29   | 1,59   | 2,66   | 0,02            |
| 2341 | 16:39:03 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,37   | 1,85   | 2,47   | 0,02            |
| 2342 | 16:39:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,14   | 1,88   | 3,13   | 0,02            |
| 2343 | 16:39:13 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,13   | 2,38   | 2,98   | 0,02            |
| 2344 | 16:39:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,78   | 3,93   | 2,53   | 0,02            |
| 2345 | 16:39:23 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,49   | 2,86   | 2,40   | 0,02            |
| 2346 | 16:39:28 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,03   | 1,75   | 3,01   | 0,02            |
| 2347 | 16:39:33 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,36   | 2,08   | 2,85   | 0,02            |
| 2348 | 16:39:38 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 2,56   | 2,46   | 0,02            |
| 2349 | 16:39:43 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,56   | 1,10   | 2,96   | 0,02            |
| 2350 | 16:39:48 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 1,49   | 2,19   | 0,02            |
| 2351 | 16:39:53 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,00   | 2,13   | 3,17   | 0,02            |
| 2352 | 16:39:58 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,19   | 2,91   | 3,66   | 0,02            |
| 2353 | 16:40:03 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,60   | 1,72   | 2,54   | 0,02            |
| 2354 | 16:40:08 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,30   | 2,18   | 0,02            |
| 2355 | 16:40:13 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 0,99   | 2,73   | 2,08   | 0,02            |
| 2356 | 16:40:18 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,12   | 1,79   | 2,81   | 0,02            |
| 2357 | 16:40:23 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,47   | 2,11   | 2,39   | 0,02            |
| 2358 | 16:40:28 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,39   | 3,28   | 3,21   | 0,02            |
| 2359 | 16:40:33 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,09   | 1,68   | 2,81   | 0,02            |
| 2360 | 16:40:38 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,42   | 1,79   | 2,97   | 0,02            |
| 2361 | 16:40:44 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,28   | 2,34   | 3,26   | 0,02            |
| 2362 | 16:40:49 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 2,20   | 2,29   | 0,02            |
| 2363 | 16:40:54 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,60   | 1,98   | 2,63   | 0,02            |
| 2364 | 16:40:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,62   | 2,77   | 3,25   | 0,02            |
| 2365 | 16:41:04 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,55   | 2,36   | 3,30   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2366 | 16:41:09 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,56   | 1,78   | 3,38   | 0,02            |
| 2367 | 16:41:14 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,08   | 1,21   | 3,07   | 0,02            |
| 2368 | 16:41:19 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,58   | 2,87   | 3,05   | 0,02            |
| 2369 | 16:41:24 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,09   | 2,20   | 2,85   | 0,02            |
| 2370 | 16:41:29 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,48   | 1,26   | 2,61   | 0,02            |
| 2371 | 16:41:34 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,51   | 2,50   | 2,87   | 0,02            |
| 2372 | 16:41:39 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,58   | 1,62   | 1,94   | 0,02            |
| 2373 | 16:41:44 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,86   | 1,67   | 3,67   | 0,02            |
| 2374 | 16:41:49 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,69   | 3,07   | 2,14   | 0,02            |
| 2375 | 16:41:54 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,47   | 1,74   | 3,05   | 0,02            |
| 2376 | 16:41:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,71   | 1,96   | 2,74   | 0,02            |
| 2377 | 16:42:04 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,90   | 2,55   | 2,69   | 0,02            |
| 2378 | 16:42:09 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,23   | 2,34   | 0,02            |
| 2379 | 16:42:14 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,38   | 2,55   | 2,30   | 0,02            |
| 2380 | 16:42:19 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,46   | 2,50   | 2,88   | 0,02            |
| 2381 | 16:42:24 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,90   | 2,12   | 2,55   | 0,02            |
| 2382 | 16:42:29 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,47   | 1,95   | 2,90   | 0,02            |
| 2383 | 16:42:34 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,25   | 1,53   | 2,40   | 0,02            |
| 2384 | 16:42:39 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,11   | 0,90   | 2,98   | 0,02            |
| 2385 | 16:42:44 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,51   | 3,86   | 0,02            |
| 2386 | 16:42:49 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,59   | 1,73   | 3,11   | 0,02            |
| 2387 | 16:42:54 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,62   | 2,33   | 2,39   | 0,02            |
| 2388 | 16:42:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,75   | 2,04   | 2,21   | 0,02            |
| 2389 | 16:43:04 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,56   | 2,05   | 3,56   | 0,02            |
| 2390 | 16:43:09 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 2,32   | 3,35   | 0,02            |
| 2391 | 16:43:14 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,71   | 3,13   | 2,47   | 0,02            |
| 2392 | 16:43:19 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 1,85   | 2,18   | 0,02            |
| 2393 | 16:43:24 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,53   | 2,85   | 3,57   | 0,02            |
| 2394 | 16:43:29 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,74   | 3,71   | 2,09   | 0,02            |
| 2395 | 16:43:34 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,46   | 2,39   | 2,69   | 0,02            |
| 2396 | 16:43:39 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,26   | 1,81   | 2,59   | 0,02            |
| 2397 | 16:43:44 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,13   | 1,80   | 2,93   | 0,02            |
| 2398 | 16:43:49 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,23   | 1,95   | 3,26   | 0,02            |
| 2399 | 16:43:54 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,64   | 0,99   | 3,70   | 0,02            |
| 2400 | 16:43:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,23   | 2,12   | 2,74   | 0,02            |
| 2401 | 16:44:04 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,50   | 2,31   | 3,16   | 0,02            |
| 2402 | 16:44:09 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,29   | 2,80   | 2,95   | 0,02            |
| 2403 | 16:44:14 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,01   | 2,80   | 3,17   | 0,02            |
| 2404 | 16:44:19 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,91   | 2,52   | 2,63   | 0,02            |
| 2405 | 16:44:24 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,81   | 2,09   | 3,20   | 0,02            |
| 2406 | 16:44:29 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 2,53   | 3,17   | 0,02            |
| 2407 | 16:44:34 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,94   | 2,17   | 2,60   | 0,02            |
| 2408 | 16:44:39 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,91   | 2,96   | 2,60   | 0,02            |
| 2409 | 16:44:44 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,41   | 1,91   | 3,03   | 0,02            |
| 2410 | 16:44:49 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 1,82   | 2,47   | 0,02            |
| 2411 | 16:44:54 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,33   | 4,12   | 2,64   | 0,02            |
| 2412 | 16:44:59 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,97   | 1,95   | 2,92   | 0,02            |
| 2413 | 16:45:04 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 2,34   | 2,73   | 0,02            |
| 2414 | 16:45:09 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,37   | 2,00   | 3,55   | 0,02            |
| 2415 | 16:45:14 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,11   | 1,99   | 3,45   | 0,02            |
| 2416 | 16:45:19 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 1,85   | 2,37   | 0,02            |
| 2417 | 16:45:24 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,59   | 1,57   | 2,35   | 0,02            |
| 2418 | 16:45:29 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,14   | 4,66   | 2,50   | 0,02            |
| 2419 | 16:45:34 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,67   | 3,43   | 2,53   | 0,02            |
| 2420 | 16:45:39 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,52   | 2,55   | 2,42   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2421 | 16:45:44 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 2,36   | 3,17   | 0,02            |
| 2422 | 16:45:49 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,89   | 1,59   | 2,16   | 0,02            |
| 2423 | 16:45:55 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,53   | 2,26   | 3,44   | 0,02            |
| 2424 | 16:46:00 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,77   | 1,86   | 2,16   | 0,02            |
| 2425 | 16:46:05 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,24   | 2,07   | 2,75   | 0,02            |
| 2426 | 16:46:10 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,67   | 2,04   | 2,92   | 0,02            |
| 2427 | 16:46:15 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,53   | 1,54   | 3,04   | 0,02            |
| 2428 | 16:46:20 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,62   | 1,29   | 2,90   | 0,02            |
| 2429 | 16:46:25 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,61   | 1,89   | 2,69   | 0,02            |
| 2430 | 16:46:30 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,35   | 2,51   | 2,69   | 0,02            |
| 2431 | 16:46:35 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 2,07   | 2,59   | 0,02            |
| 2432 | 16:46:40 | 0,00            | 0,01            | 0,06            | 8,38                     | 9,10                     | 35,94                    | 2,85   | 1,88   | 1,05   | 0,06            |
| 2433 | 16:46:45 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,20   | 2,22   | 2,98   | 0,02            |
| 2434 | 16:46:50 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,96   | 2,10   | 2,35   | 0,02            |
| 2435 | 16:46:55 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,85   | 2,78   | 2,17   | 0,02            |
| 2436 | 16:47:00 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,58   | 2,64   | 3,29   | 0,02            |
| 2437 | 16:47:05 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,59   | 2,64   | 2,07   | 0,02            |
| 2438 | 16:47:10 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,37   | 1,65   | 2,70   | 0,02            |
| 2439 | 16:47:15 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,06   | 2,65   | 2,66   | 0,02            |
| 2440 | 16:47:20 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,14   | 1,51   | 2,19   | 0,02            |
| 2441 | 16:47:25 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,78   | 2,91   | 2,36   | 0,02            |
| 2442 | 16:47:30 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,84   | 2,00   | 2,38   | 0,02            |
| 2443 | 16:47:35 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,60   | 2,39   | 2,46   | 0,02            |
| 2444 | 16:47:40 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,61   | 2,50   | 2,45   | 0,02            |
| 2445 | 16:47:45 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,13   | 2,00   | 1,93   | 0,02            |
| 2446 | 16:47:50 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,90   | 2,42   | 3,22   | 0,02            |
| 2447 | 16:47:55 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,04   | 1,63   | 2,40   | 0,02            |
| 2448 | 16:48:00 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 2,25   | 2,61   | 0,02            |
| 2449 | 16:48:05 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,17   | 2,12   | 1,92   | 0,02            |
| 2450 | 16:48:10 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,22   | 1,25   | 2,54   | 0,02            |
| 2451 | 16:48:15 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,72   | 1,33   | 3,02   | 0,02            |
| 2452 | 16:48:20 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,71   | 2,15   | 2,83   | 0,02            |
| 2453 | 16:48:25 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,55   | 1,68   | 2,50   | 0,02            |
| 2454 | 16:48:30 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,15   | 1,57   | 2,14   | 0,02            |
| 2455 | 16:48:35 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,61   | 1,33   | 2,58   | 0,02            |
| 2456 | 16:48:40 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,26   | 1,67   | 2,90   | 0,02            |
| 2457 | 16:48:45 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,53   | 2,65   | 2,92   | 0,02            |
| 2458 | 16:48:50 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,40   | 2,76   | 3,38   | 0,02            |
| 2459 | 16:48:55 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,47   | 2,32   | 2,39   | 0,02            |
| 2460 | 16:49:00 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,34   | 1,61   | 2,02   | 0,02            |
| 2461 | 16:49:05 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,10   | 2,34   | 3,37   | 0,02            |
| 2462 | 16:49:10 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,31   | 2,46   | 3,98   | 0,02            |
| 2463 | 16:49:15 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,99   | 2,08   | 2,64   | 0,02            |
| 2464 | 16:49:20 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,17   | 2,14   | 2,67   | 0,02            |
| 2465 | 16:49:25 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,98   | 2,43   | 2,56   | 0,02            |
| 2466 | 16:49:30 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,48   | 3,60   | 2,63   | 0,02            |
| 2467 | 16:49:35 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,22   | 3,67   | 3,12   | 0,02            |
| 2468 | 16:49:40 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,23   | 1,88   | 2,14   | 0,02            |
| 2469 | 16:49:45 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,15   | 1,84   | 3,09   | 0,02            |
| 2470 | 16:49:50 | 0,00            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 3,12   | 2,73   | 3,43   | 0,03            |
| 2471 | 16:49:55 | 0,01            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 2,13   | 2,42   | 2,18   | 0,03            |
| 2472 | 16:50:00 | 0,00            | 0,01            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 2,44   | 2,05   | 2,30   | 0,03            |
| 2473 | 16:50:05 | 0,01            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 2,36   | 2,26   | 2,47   | 0,03            |
| 2474 | 16:50:10 | 0,01            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 3,53   | 1,81   | 2,30   | 0,03            |
| 2475 | 16:50:15 | 0,01            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 1,90   | 2,28   | 2,60   | 0,03            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2476 | 16:50:20 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,46   | 1,99   | 3,19   | 0,03            |
| 2477 | 16:50:25 | 0,01            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 1,44   | 2,27   | 2,51   | 0,03            |
| 2478 | 16:50:30 | 0,01            | 0,01            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 2,51   | 2,61   | 2,55   | 0,03            |
| 2479 | 16:50:35 | 0,00            | 0,01            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 1,88   | 1,78   | 2,19   | 0,03            |
| 2480 | 16:50:40 | 0,00            | 0,00            | 0,03            | 8,38                     | 9,10                     | 35,94                    | 2,83   | 2,37   | 2,72   | 0,03            |
| 2481 | 16:50:45 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,40   | 1,37   | 2,24   | 0,03            |
| 2482 | 16:50:50 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,78   | 1,79   | 2,14   | 0,03            |
| 2483 | 16:50:55 | 0,00            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,83   | 1,75   | 2,82   | 0,02            |
| 2484 | 16:51:00 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,82   | 2,56   | 2,46   | 0,02            |
| 2485 | 16:51:05 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,94   | 1,88   | 1,85   | 0,02            |
| 2486 | 16:51:10 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,81   | 2,10   | 2,27   | 0,02            |
| 2487 | 16:51:15 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,06   | 2,31   | 3,18   | 0,02            |
| 2488 | 16:51:20 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,95   | 3,35   | 2,57   | 0,02            |
| 2489 | 16:51:26 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,55   | 2,29   | 3,06   | 0,02            |
| 2490 | 16:51:31 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,66   | 2,82   | 2,60   | 0,02            |
| 2491 | 16:51:36 | 0,01            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 3,01   | 2,38   | 3,16   | 0,02            |
| 2492 | 16:51:41 | 0,01            | 0,01            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 1,82   | 1,10   | 2,54   | 0,02            |
| 2493 | 16:51:46 | 0,00            | 0,00            | 0,02            | 8,38                     | 9,10                     | 35,94                    | 2,26   | 1,26   | 2,80   | 0,02            |
| 2494 | 16:51:51 | 0,03            | 0,05            | 0,20            | 8,38                     | 9,10                     | 35,94                    | 4,64   | 5,00   | 3,85   | 0,22            |
| 2495 | 16:51:56 | 0,17            | 0,68            | 0,97            | 8,38                     | 9,11                     | 35,95                    | 4,49   | 3,89   | 5,17   | 1,38            |
| 2496 | 16:52:01 | 1,16            | 1,56            | 2,18            | 8,40                     | 9,20                     | 36,11                    | 0,56   | 0,45   | 1,45   | 3,49            |
| 2497 | 16:52:06 | 0,21            | 0,09            | 0,43            | 8,40                     | 9,20                     | 36,12                    | 1,15   | 1,68   | 1,60   | 0,54            |
| 2498 | 16:52:11 | 0,07            | 0,09            | 0,57            | 8,40                     | 9,20                     | 36,12                    | 0,18   | 0,26   | 0,09   | 0,59            |
| 2499 | 16:52:16 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 4,68   | 1,17   | 2,33   | 0,03            |
| 2500 | 16:52:21 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,41   | 1,32   | 2,73   | 0,02            |
| 2501 | 16:52:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,34   | 3,11   | 2,69   | 0,02            |
| 2502 | 16:52:31 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,75   | 2,50   | 2,21   | 0,02            |
| 2503 | 16:52:36 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,81   | 2,06   | 2,81   | 0,02            |
| 2504 | 16:52:41 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,47   | 1,96   | 2,87   | 0,02            |
| 2505 | 16:52:46 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,26   | 1,99   | 2,70   | 0,02            |
| 2506 | 16:52:51 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,16   | 3,72   | 2,92   | 0,02            |
| 2507 | 16:52:56 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,94   | 2,55   | 2,64   | 0,02            |
| 2508 | 16:53:01 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,63   | 2,08   | 2,42   | 0,02            |
| 2509 | 16:53:06 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,79   | 2,79   | 2,14   | 0,02            |
| 2510 | 16:53:11 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,26   | 1,60   | 3,63   | 0,02            |
| 2511 | 16:53:16 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,79   | 1,88   | 2,97   | 0,02            |
| 2512 | 16:53:21 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,45   | 1,76   | 3,44   | 0,02            |
| 2513 | 16:53:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,81   | 1,44   | 2,48   | 0,02            |
| 2514 | 16:53:31 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,40   | 3,65   | 2,67   | 0,02            |
| 2515 | 16:53:36 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,20   | 2,29   | 2,30   | 0,02            |
| 2516 | 16:53:41 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,77   | 2,59   | 2,54   | 0,02            |
| 2517 | 16:53:46 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,85   | 2,48   | 2,77   | 0,02            |
| 2518 | 16:53:51 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,00   | 2,78   | 2,11   | 0,02            |
| 2519 | 16:53:56 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,94   | 1,69   | 2,89   | 0,02            |
| 2520 | 16:54:01 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,64   | 1,50   | 3,25   | 0,02            |
| 2521 | 16:54:06 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,82   | 1,62   | 3,19   | 0,02            |
| 2522 | 16:54:11 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,55   | 1,92   | 2,80   | 0,02            |
| 2523 | 16:54:16 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,31   | 1,59   | 2,42   | 0,02            |
| 2524 | 16:54:21 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,44   | 2,26   | 2,91   | 0,02            |
| 2525 | 16:54:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,06   | 1,81   | 3,60   | 0,02            |
| 2526 | 16:54:31 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,29   | 2,31   | 2,73   | 0,02            |
| 2527 | 16:54:36 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,14   | 1,11   | 2,60   | 0,02            |
| 2528 | 16:54:42 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,40   | 1,57   | 1,91   | 0,02            |
| 2529 | 16:54:47 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,46   | 1,65   | 2,62   | 0,02            |
| 2530 | 16:54:52 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,68   | 2,04   | 2,82   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2531 | 16:54:57 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,66   | 1,49   | 3,23   | 0,02            |
| 2532 | 16:55:02 | 0,01            | 0,02            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,10   | 0,56   | 1,64   | 0,03            |
| 2533 | 16:55:07 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,34   | 1,67   | 2,93   | 0,02            |
| 2534 | 16:55:13 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,78   | 1,92   | 2,38   | 0,02            |
| 2535 | 16:55:18 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,75   | 2,34   | 2,03   | 0,02            |
| 2536 | 16:55:23 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,66   | 2,92   | 4,21   | 0,02            |
| 2537 | 16:55:28 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,36   | 1,71   | 2,68   | 0,02            |
| 2538 | 16:55:33 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,34   | 3,37   | 3,07   | 0,02            |
| 2539 | 16:55:38 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,62   | 2,24   | 3,50   | 0,02            |
| 2540 | 16:55:43 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,40   | 1,72   | 2,49   | 0,02            |
| 2541 | 16:55:48 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,97   | 2,36   | 2,39   | 0,02            |
| 2542 | 16:55:53 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,01   | 2,07   | 2,24   | 0,02            |
| 2543 | 16:55:58 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,39   | 1,23   | 2,65   | 0,02            |
| 2544 | 16:56:03 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,18   | 1,74   | 2,64   | 0,02            |
| 2545 | 16:56:08 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,82   | 2,89   | 2,13   | 0,02            |
| 2546 | 16:56:13 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,01   | 1,93   | 2,47   | 0,02            |
| 2547 | 16:56:18 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,15   | 2,02   | 2,07   | 0,02            |
| 2548 | 16:56:23 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,58   | 2,48   | 3,47   | 0,02            |
| 2549 | 16:56:29 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,59   | 2,31   | 2,23   | 0,02            |
| 2550 | 16:56:34 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,24   | 3,22   | 2,99   | 0,02            |
| 2551 | 16:56:39 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,01   | 1,95   | 2,54   | 0,02            |
| 2552 | 16:56:44 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 0,84   | 1,85   | 2,71   | 0,02            |
| 2553 | 16:56:49 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,25   | 3,92   | 2,87   | 0,02            |
| 2554 | 16:56:54 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,52   | 2,43   | 2,23   | 0,02            |
| 2555 | 16:56:59 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,49   | 1,23   | 3,52   | 0,02            |
| 2556 | 16:57:04 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,62   | 2,54   | 2,51   | 0,02            |
| 2557 | 16:57:09 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,14   | 2,47   | 2,43   | 0,02            |
| 2558 | 16:57:14 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,36   | 2,52   | 2,89   | 0,02            |
| 2559 | 16:57:19 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,56   | 2,52   | 2,87   | 0,02            |
| 2560 | 16:57:24 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,31   | 2,23   | 3,30   | 0,02            |
| 2561 | 16:57:29 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,09   | 1,66   | 2,69   | 0,02            |
| 2562 | 16:57:34 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 4,53   | 1,45   | 1,88   | 0,02            |
| 2563 | 16:57:39 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,40   | 1,22   | 2,51   | 0,02            |
| 2564 | 16:57:44 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,44   | 2,97   | 2,78   | 0,02            |
| 2565 | 16:57:49 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,57   | 2,59   | 2,22   | 0,02            |
| 2566 | 16:57:54 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,98   | 2,21   | 3,65   | 0,02            |
| 2567 | 16:57:59 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,38   | 2,52   | 2,90   | 0,02            |
| 2568 | 16:58:04 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,93   | 1,66   | 2,47   | 0,02            |
| 2569 | 16:58:09 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,29   | 2,72   | 2,89   | 0,02            |
| 2570 | 16:58:14 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,18   | 2,96   | 2,78   | 0,02            |
| 2571 | 16:58:19 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,32   | 2,50   | 3,54   | 0,02            |
| 2572 | 16:58:24 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,60   | 3,62   | 2,61   | 0,02            |
| 2573 | 16:58:30 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,57   | 1,51   | 2,20   | 0,02            |
| 2574 | 16:58:35 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,43   | 2,72   | 2,11   | 0,02            |
| 2575 | 16:58:40 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,38   | 2,37   | 2,36   | 0,02            |
| 2576 | 16:58:45 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,48   | 2,51   | 2,51   | 0,02            |
| 2577 | 16:58:50 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,97   | 2,06   | 2,11   | 0,02            |
| 2578 | 16:58:55 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,52   | 1,67   | 2,73   | 0,02            |
| 2579 | 16:59:00 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,54   | 1,72   | 2,99   | 0,02            |
| 2580 | 16:59:05 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,57   | 2,53   | 2,30   | 0,02            |
| 2581 | 16:59:10 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,18   | 2,37   | 2,34   | 0,02            |
| 2582 | 16:59:15 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,01   | 1,74   | 2,84   | 0,02            |
| 2583 | 16:59:20 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,48   | 1,40   | 2,92   | 0,02            |
| 2584 | 16:59:25 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,75   | 2,25   | 3,21   | 0,02            |
| 2585 | 16:59:30 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,31   | 1,77   | 2,21   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2586 | 16:59:36 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,52   | 2,37   | 2,70   | 0,02            |
| 2587 | 16:59:41 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,73   | 1,43   | 2,50   | 0,02            |
| 2588 | 16:59:46 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,62   | 2,53   | 2,15   | 0,02            |
| 2589 | 16:59:51 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,96   | 1,36   | 2,99   | 0,02            |
| 2590 | 16:59:56 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,92   | 2,54   | 2,31   | 0,02            |
| 2591 | 17:00:01 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,48   | 2,30   | 2,58   | 0,02            |
| 2592 | 17:00:06 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,22   | 2,48   | 2,25   | 0,03            |
| 2593 | 17:00:11 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,36   | 3,28   | 3,38   | 0,02            |
| 2594 | 17:00:16 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,25   | 2,26   | 2,11   | 0,02            |
| 2595 | 17:00:21 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,20   | 2,83   | 3,69   | 0,02            |
| 2596 | 17:00:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,91   | 2,12   | 2,10   | 0,02            |
| 2597 | 17:00:31 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,33   | 1,54   | 2,49   | 0,02            |
| 2598 | 17:00:36 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,31   | 2,23   | 2,78   | 0,02            |
| 2599 | 17:00:41 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,25   | 1,69   | 2,64   | 0,02            |
| 2600 | 17:00:46 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,99   | 2,48   | 3,31   | 0,02            |
| 2601 | 17:00:51 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,84   | 2,30   | 3,20   | 0,02            |
| 2602 | 17:00:56 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,88   | 1,97   | 2,73   | 0,02            |
| 2603 | 17:01:01 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,56   | 1,85   | 2,96   | 0,02            |
| 2604 | 17:01:06 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,02   | 3,07   | 3,28   | 0,02            |
| 2605 | 17:01:11 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,11   | 2,53   | 3,92   | 0,02            |
| 2606 | 17:01:16 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,24   | 2,49   | 2,42   | 0,02            |
| 2607 | 17:01:21 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,11   | 2,94   | 2,78   | 0,02            |
| 2608 | 17:01:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,80   | 3,35   | 2,54   | 0,02            |
| 2609 | 17:01:31 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,22   | 1,56   | 3,36   | 0,02            |
| 2610 | 17:01:36 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,40   | 1,53   | 2,72   | 0,02            |
| 2611 | 17:01:41 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,51   | 1,91   | 2,87   | 0,02            |
| 2612 | 17:01:46 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,21   | 2,37   | 3,35   | 0,02            |
| 2613 | 17:01:51 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,95   | 2,10   | 3,24   | 0,02            |
| 2614 | 17:01:56 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,60   | 2,90   | 2,60   | 0,02            |
| 2615 | 17:02:01 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,67   | 2,99   | 2,33   | 0,02            |
| 2616 | 17:02:06 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,97   | 2,77   | 2,68   | 0,02            |
| 2617 | 17:02:11 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,54   | 1,73   | 2,38   | 0,02            |
| 2618 | 17:02:16 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,86   | 2,38   | 3,16   | 0,02            |
| 2619 | 17:02:21 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,61   | 2,75   | 2,59   | 0,02            |
| 2620 | 17:02:26 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,13   | 2,08   | 2,57   | 0,02            |
| 2621 | 17:02:32 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,26   | 2,03   | 3,49   | 0,02            |
| 2622 | 17:02:37 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,58   | 1,22   | 3,39   | 0,02            |
| 2623 | 17:02:42 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,32   | 1,35   | 2,21   | 0,02            |
| 2624 | 17:02:47 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,37   | 3,00   | 2,99   | 0,02            |
| 2625 | 17:02:52 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,32   | 2,64   | 2,52   | 0,02            |
| 2626 | 17:02:57 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,98   | 2,05   | 3,31   | 0,02            |
| 2627 | 17:03:02 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,95   | 1,78   | 2,82   | 0,02            |
| 2628 | 17:03:07 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,51   | 2,06   | 2,61   | 0,02            |
| 2629 | 17:03:12 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,52   | 2,67   | 3,07   | 0,02            |
| 2630 | 17:03:17 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,07   | 1,42   | 2,18   | 0,02            |
| 2631 | 17:03:22 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,22   | 2,51   | 2,46   | 0,02            |
| 2632 | 17:03:27 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,65   | 2,41   | 2,95   | 0,02            |
| 2633 | 17:03:32 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,54   | 2,21   | 2,89   | 0,02            |
| 2634 | 17:03:37 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,38   | 2,04   | 2,59   | 0,02            |
| 2635 | 17:03:42 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,46   | 2,59   | 2,74   | 0,02            |
| 2636 | 17:03:47 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,34   | 2,21   | 2,60   | 0,02            |
| 2637 | 17:03:52 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,57   | 2,46   | 2,27   | 0,02            |
| 2638 | 17:03:57 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,72   | 3,80   | 2,55   | 0,02            |
| 2639 | 17:04:02 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,65   | 2,18   | 3,14   | 0,02            |
| 2640 | 17:04:07 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,97   | 2,64   | 3,15   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2641 | 17:04:12 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,30   | 2,39   | 2,60   | 0,02            |
| 2642 | 17:04:17 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,16   | 1,48   | 2,34   | 0,02            |
| 2643 | 17:04:22 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,63   | 2,42   | 3,01   | 0,02            |
| 2644 | 17:04:27 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,80   | 1,93   | 2,47   | 0,02            |
| 2645 | 17:04:32 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,04   | 2,01   | 2,81   | 0,02            |
| 2646 | 17:04:37 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,46   | 2,42   | 1,98   | 0,02            |
| 2647 | 17:04:42 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,00   | 2,75   | 2,70   | 0,02            |
| 2648 | 17:04:47 | 0,01            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,77   | 2,70   | 2,97   | 0,02            |
| 2649 | 17:04:52 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,75   | 2,02   | 2,32   | 0,02            |
| 2650 | 17:04:57 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,88   | 2,22   | 2,55   | 0,02            |
| 2651 | 17:05:02 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,58   | 2,55   | 2,64   | 0,02            |
| 2652 | 17:05:07 | 0,01            | 0,01            | 0,03            | 8,40                     | 9,20                     | 36,12                    | 6,84   | 5,01   | 4,99   | 0,04            |
| 2653 | 17:05:12 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,61   | 1,47   | 2,16   | 0,03            |
| 2654 | 17:05:17 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,56   | 2,21   | 3,03   | 0,02            |
| 2655 | 17:05:22 | 0,00            | 0,00            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,57   | 1,46   | 2,94   | 0,02            |
| 2656 | 17:05:27 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,71   | 1,96   | 3,02   | 0,02            |
| 2657 | 17:05:32 | 0,01            | 0,03            | 0,06            | 8,40                     | 9,20                     | 36,12                    | 2,59   | 3,01   | 1,48   | 0,07            |
| 2658 | 17:05:37 | 0,02            | 0,04            | 0,06            | 8,40                     | 9,20                     | 36,12                    | 1,73   | 2,00   | 2,04   | 0,08            |
| 2659 | 17:05:42 | 0,01            | 0,02            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,10   | 0,26   | 2,84   | 0,04            |
| 2660 | 17:05:47 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,30   | 1,66   | 3,05   | 0,02            |
| 2661 | 17:05:52 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,03   | 2,34   | 4,63   | 0,03            |
| 2662 | 17:05:57 | 0,01            | 0,02            | 0,03            | 8,40                     | 9,20                     | 36,12                    | 2,34   | 1,95   | 3,19   | 0,04            |
| 2663 | 17:06:02 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,91   | 2,22   | 2,45   | 0,02            |
| 2664 | 17:06:07 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,95   | 1,60   | 3,37   | 0,02            |
| 2665 | 17:06:12 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 3,19   | 1,45   | 2,07   | 0,02            |
| 2666 | 17:06:17 | 0,01            | 0,02            | 0,05            | 8,40                     | 9,20                     | 36,12                    | 3,70   | 1,21   | 1,71   | 0,06            |
| 2667 | 17:06:22 | 0,02            | 0,02            | 0,07            | 8,40                     | 9,20                     | 36,12                    | 1,83   | 1,54   | 1,15   | 0,08            |
| 2668 | 17:06:27 | 0,02            | 0,02            | 0,08            | 8,40                     | 9,20                     | 36,12                    | 1,57   | 1,93   | 2,50   | 0,08            |
| 2669 | 17:06:32 | 0,01            | 0,01            | 0,06            | 8,40                     | 9,20                     | 36,12                    | 1,75   | 3,26   | 1,76   | 0,06            |
| 2670 | 17:06:37 | 0,01            | 0,01            | 0,05            | 8,40                     | 9,20                     | 36,12                    | 8,96   | 4,98   | 4,85   | 0,06            |
| 2671 | 17:06:42 | 0,01            | 0,02            | 0,07            | 8,40                     | 9,20                     | 36,12                    | 5,40   | 2,74   | 2,99   | 0,07            |
| 2672 | 17:06:47 | 0,01            | 0,01            | 0,07            | 8,40                     | 9,20                     | 36,12                    | 1,24   | 1,52   | 1,05   | 0,07            |
| 2673 | 17:06:52 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 2,40   | 1,53   | 2,34   | 0,02            |
| 2674 | 17:06:57 | 0,00            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,60   | 2,37   | 2,48   | 0,02            |
| 2675 | 17:07:02 | 0,01            | 0,01            | 0,02            | 8,40                     | 9,20                     | 36,12                    | 1,93   | 1,65   | 2,07   | 0,02            |
| 2676 | 17:07:07 | 0,02            | 0,03            | 0,19            | 8,40                     | 9,20                     | 36,12                    | 3,87   | 3,90   | 3,36   | 0,20            |
| 2677 | 17:07:12 | 0,31            | 0,40            | 0,82            | 8,40                     | 9,20                     | 36,12                    | 1,05   | 1,76   | 1,97   | 1,08            |
| 2678 | 17:07:17 | 0,10            | 0,12            | 0,68            | 8,40                     | 9,20                     | 36,12                    | 1,88   | 2,32   | 2,09   | 0,72            |
| 2679 | 17:07:22 | 0,11            | 0,14            | 0,76            | 8,40                     | 9,20                     | 36,12                    | 2,78   | 2,47   | 1,79   | 0,80            |
| 2680 | 17:07:27 | 0,06            | 0,07            | 0,33            | 8,40                     | 9,20                     | 36,12                    | 1,93   | 1,65   | 2,01   | 0,36            |
| 2681 | 17:07:32 | 0,05            | 0,03            | 0,25            | 8,40                     | 9,20                     | 36,12                    | 3,57   | 3,14   | 1,93   | 0,27            |
| 2682 | 17:07:37 | 0,06            | 0,04            | 0,27            | 8,40                     | 9,20                     | 36,12                    | 1,63   | 2,23   | 1,54   | 0,29            |
| 2683 | 17:07:42 | 0,05            | 0,04            | 0,25            | 8,40                     | 9,20                     | 36,12                    | 2,40   | 2,42   | 2,26   | 0,26            |
| 2684 | 17:07:47 | 0,05            | 0,04            | 0,22            | 8,40                     | 9,20                     | 36,12                    | 2,44   | 2,36   | 2,03   | 0,24            |
| 2685 | 17:07:53 | 0,06            | 0,08            | 0,24            | 8,40                     | 9,20                     | 36,12                    | 2,67   | 2,58   | 3,21   | 0,28            |
| 2686 | 17:07:58 | 0,06            | 0,05            | 0,24            | 8,40                     | 9,20                     | 36,12                    | 2,09   | 2,93   | 1,98   | 0,26            |
| 2687 | 17:08:03 | 0,08            | 0,12            | 0,32            | 8,40                     | 9,20                     | 36,12                    | 3,50   | 3,78   | 2,93   | 0,37            |
| 2688 | 17:08:08 | 0,13            | 0,12            | 0,35            | 8,40                     | 9,20                     | 36,12                    | 1,12   | 3,54   | 3,69   | 0,43            |
| 2689 | 17:08:13 | 0,25            | 0,42            | 0,63            | 8,40                     | 9,20                     | 36,12                    | 2,25   | 2,43   | 3,85   | 0,93            |
| 2690 | 17:08:18 | 0,39            | 0,52            | 0,91            | 8,40                     | 9,20                     | 36,12                    | 3,00   | 1,96   | 4,23   | 1,29            |
| 2691 | 17:08:23 | 0,25            | 0,40            | 0,95            | 8,40                     | 9,20                     | 36,12                    | 2,11   | 1,50   | 2,13   | 1,16            |
| 2692 | 17:08:28 | 0,52            | 0,67            | 0,77            | 8,40                     | 9,21                     | 36,12                    | 1,49   | 2,20   | 2,29   | 1,41            |
| 2693 | 17:08:33 | 0,36            | 0,36            | 0,50            | 8,40                     | 9,21                     | 36,12                    | 1,50   | 2,03   | 2,63   | 0,87            |
| 2694 | 17:08:38 | 0,32            | 0,43            | 0,81            | 8,40                     | 9,21                     | 36,12                    | 1,28   | 2,62   | 2,84   | 1,10            |
| 2695 | 17:08:43 | 0,16            | 0,49            | 0,57            | 8,40                     | 9,21                     | 36,12                    | 2,12   | 1,66   | 1,97   | 0,93            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2696 | 17:08:48 | 0,22            | 0,26            | 0,64            | 8,40                     | 9,21                     | 36,12                    | 3,49   | 1,13   | 3,45   | 0,80            |
| 2697 | 17:08:53 | 0,16            | 0,30            | 0,57            | 8,40                     | 9,21                     | 36,12                    | 1,79   | 2,03   | 2,92   | 0,74            |
| 2698 | 17:08:58 | 0,15            | 0,43            | 0,80            | 8,40                     | 9,21                     | 36,12                    | 2,59   | 1,68   | 1,97   | 1,02            |
| 2699 | 17:09:03 | 0,19            | 0,25            | 0,61            | 8,40                     | 9,21                     | 36,12                    | 1,89   | 1,36   | 1,91   | 0,75            |
| 2700 | 17:09:08 | 0,19            | 0,35            | 0,67            | 8,40                     | 9,21                     | 36,12                    | 3,05   | 1,76   | 2,62   | 0,87            |
| 2701 | 17:09:13 | 0,15            | 0,28            | 0,68            | 8,40                     | 9,21                     | 36,12                    | 2,37   | 2,85   | 3,19   | 0,81            |
| 2702 | 17:09:18 | 0,27            | 0,42            | 0,74            | 8,40                     | 9,21                     | 36,12                    | 2,85   | 2,29   | 1,59   | 1,02            |
| 2703 | 17:09:23 | 0,30            | 0,52            | 0,58            | 8,40                     | 9,21                     | 36,12                    | 1,41   | 2,00   | 2,27   | 1,03            |
| 2704 | 17:09:28 | 0,27            | 0,26            | 0,66            | 8,40                     | 9,21                     | 36,12                    | 1,00   | 1,38   | 2,11   | 0,84            |
| 2705 | 17:09:33 | 0,19            | 0,19            | 0,48            | 8,40                     | 9,21                     | 36,12                    | 4,37   | 1,75   | 1,86   | 0,61            |
| 2706 | 17:09:38 | 0,17            | 0,20            | 0,64            | 8,40                     | 9,21                     | 36,12                    | 2,42   | 2,09   | 2,83   | 0,73            |
| 2707 | 17:09:43 | 0,31            | 0,21            | 0,74            | 8,40                     | 9,21                     | 36,12                    | 2,55   | 2,16   | 1,59   | 0,91            |
| 2708 | 17:09:48 | 0,27            | 0,23            | 0,74            | 8,40                     | 9,21                     | 36,12                    | 0,91   | 2,08   | 1,73   | 0,89            |
| 2709 | 17:09:53 | 0,14            | 0,22            | 0,67            | 8,40                     | 9,21                     | 36,12                    | 2,57   | 2,18   | 2,85   | 0,76            |
| 2710 | 17:09:58 | 0,13            | 0,31            | 0,53            | 8,40                     | 9,21                     | 36,12                    | 1,97   | 1,33   | 2,06   | 0,71            |
| 2711 | 17:10:03 | 0,33            | 0,34            | 0,87            | 8,40                     | 9,21                     | 36,12                    | 1,12   | 2,09   | 2,95   | 1,09            |
| 2712 | 17:10:08 | 0,33            | 0,33            | 0,76            | 8,40                     | 9,21                     | 36,12                    | 1,22   | 1,37   | 1,42   | 1,01            |
| 2713 | 17:10:13 | 0,29            | 0,60            | 0,90            | 8,40                     | 9,21                     | 36,12                    | 1,89   | 1,96   | 3,15   | 1,30            |
| 2714 | 17:10:18 | 0,23            | 0,32            | 0,48            | 8,40                     | 9,21                     | 36,12                    | 1,26   | 1,50   | 1,64   | 0,73            |
| 2715 | 17:10:23 | 0,20            | 0,40            | 0,72            | 8,40                     | 9,21                     | 36,12                    | 3,24   | 2,80   | 3,09   | 0,96            |
| 2716 | 17:10:28 | 0,19            | 0,50            | 0,68            | 8,40                     | 9,21                     | 36,12                    | 3,07   | 0,69   | 1,23   | 1,01            |
| 2717 | 17:10:33 | 0,31            | 0,52            | 0,98            | 8,40                     | 9,21                     | 36,12                    | 2,24   | 1,40   | 2,33   | 1,29            |
| 2718 | 17:10:38 | 0,11            | 0,23            | 1,04            | 8,40                     | 9,21                     | 36,12                    | 1,14   | 1,92   | 1,76   | 1,10            |
| 2719 | 17:10:43 | 0,05            | 0,17            | 0,72            | 8,40                     | 9,21                     | 36,12                    | 1,44   | 0,78   | 0,21   | 0,77            |
| 2720 | 17:10:48 | 0,09            | 0,16            | 0,08            | 8,40                     | 9,21                     | 36,12                    | 1,11   | 0,43   | 1,49   | 0,27            |
| 2721 | 17:10:53 | 0,02            | 0,02            | 0,03            | 8,40                     | 9,21                     | 36,12                    | 0,50   | 0,64   | 1,72   | 0,04            |
| 2722 | 17:10:58 | 0,02            | 0,04            | 0,03            | 8,40                     | 9,21                     | 36,12                    | 5,56   | 3,49   | 4,21   | 0,07            |
| 2723 | 17:11:03 | 10,82           | 10,64           | 2,15            | 60,30                    | 64,36                    | 36,21                    | 0,02   | 0,01   | 0,18   | 21,35           |
| 2724 | 17:11:08 | 5,12            | 2,89            | 3,90            | 60,31                    | 64,36                    | 36,34                    | 0,31   | 0,12   | 0,14   | 9,11            |
| 2725 | 17:11:13 | 0,17            | 0,18            | 0,87            | 60,31                    | 64,36                    | 36,34                    | 11,69  | 13,31  | 16,50  | 0,94            |
| 2726 | 17:11:18 | 0,10            | 0,16            | 0,44            | 60,31                    | 64,36                    | 36,34                    | 0,20   | 0,05   | 0,16   | 0,51            |
| 2727 | 17:11:23 | 0,01            | 0,01            | 0,02            | 60,31                    | 64,36                    | 36,34                    | 2,01   | 2,00   | 2,50   | 0,02            |
| 2728 | 17:11:28 | 0,00            | 0,00            | 0,02            | 60,31                    | 64,36                    | 36,34                    | 2,31   | 1,67   | 2,36   | 0,02            |
| 2729 | 17:11:33 | 0,00            | 0,00            | 0,02            | 60,31                    | 64,36                    | 36,34                    | 2,58   | 3,04   | 3,58   | 0,02            |
| 2730 | 17:11:38 | 0,09            | 0,04            | 0,15            | 60,31                    | 64,36                    | 36,34                    | 16,69  | 12,29  | 20,25  | 0,20            |
| 2731 | 17:11:43 | 2,88            | 1,10            | 2,02            | 60,31                    | 64,36                    | 36,46                    | 3,18   | 5,94   | 16,91  | 4,77            |
| 2732 | 17:11:48 | 0,47            | 0,22            | 0,33            | 60,31                    | 64,36                    | 36,46                    | 0,05   | 0,09   | 0,17   | 0,80            |
| 2733 | 17:11:53 | 0,08            | 0,08            | 1,26            | 60,31                    | 64,36                    | 36,46                    | 10,86  | 10,23  | 10,00  | 1,27            |
| 2734 | 17:11:58 | 1,47            | 1,09            | 1,35            | 60,31                    | 64,36                    | 36,46                    | 3,45   | 1,37   | 2,09   | 2,89            |
| 2735 | 17:12:03 | 1,02            | 1,05            | 0,64            | 60,31                    | 64,36                    | 36,46                    | 0,25   | 0,69   | 0,37   | 2,15            |
| 2736 | 17:12:08 | 1,89            | 1,13            | 2,24            | 60,31                    | 64,36                    | 36,46                    | 0,04   | 0,03   | 0,06   | 3,81            |

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: SEC DE SAÚDE  
Funcionário avaliado: MOTRISTA  
Tipo: VCI

Empresa avaliadora: SAO LUCAS MEDICINA E SEG DO TRAB  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 05/08/2025  
Jornada de trabalho [hh:mm]: 08:00

**Componentes de exposição**

| Evento | arep  | VDVj(X) | VDVj(Y) | VDVj(Z) | FC(X) | FC(Y) | FC(Z) | Tempo de exposição |
|--------|-------|---------|---------|---------|-------|-------|-------|--------------------|
| 1      | 00,32 | 04,95   | 04,94   | 10,03   | 11,10 | 08,89 | 14,63 | 08:00              |

**Resultado da avaliação**

|                                |                                |                                    |
|--------------------------------|--------------------------------|------------------------------------|
| are [m/s <sup>2</sup> ]: 0,32  | VDVexpj [m/s <sup>1,75</sup> ] | VDVR [m/s <sup>1,75</sup> ]: 11,54 |
| aren [m/s <sup>2</sup> ]: 0,32 | X: 7,26                        |                                    |
| FC: 14,63                      | Y: 7,25                        |                                    |
|                                | Z: 10,51                       |                                    |

**Calibração**

Cert. cal.: CRS0172/2025 21/01/2025

**Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

### Configurações

Evento: 1

Tarefa: Ensaio01

Ponderação de tempo: Rápida (F)

Ponderação em frequência

Fator de multiplicação

Tempo de amostragem [s]: 5

X: Wd

X: 01,40

Início: 11:30:46

Y: Wd

Y: 01,40

Fim: 18:09:14

Z: Wk

Z: 01,00

Duração: 06:37:54

Tempo de exposição: 08:00:00

Tempo em pausa: 00:00:00

### Sensor

Nome: VCI CR-100

Sensibilidade [mV/g]

NS: 00053

X: 117,00

Y: 115,50

Z: 115,50

### Resultados

#### Aceleração

Máximo [m/s<sup>2</sup>]

Mínimo [m/s<sup>2</sup>]

Média [m/s<sup>2</sup>]

Pico [m/s<sup>2</sup>]

X: 01,76

X: 00,00

X: 00,11

X: 02,38

Y: 01,76

Y: 00,00

Y: 00,11

Y: 03,05

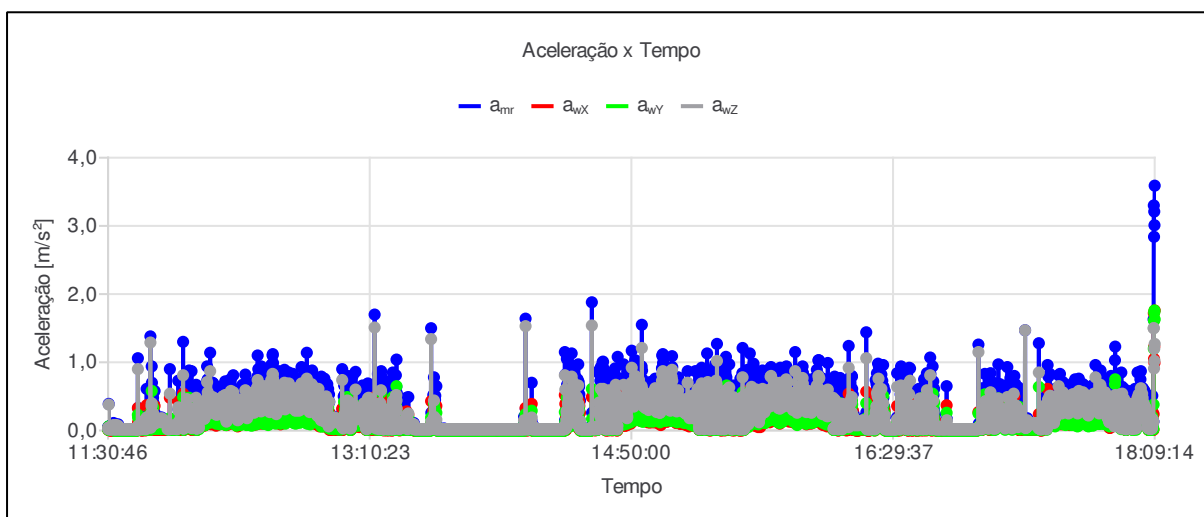
Z: 01,54

Z: 00,01

Z: 00,22

Z: 14,70

### Gráfico



Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 001 | 11:30:46 | 0,02             | 0,02             | 0,04             | 0,03                      | 0,04                      | 0,08                      | 1,44   | 2,40   | 1,40   | 0,05             |
| 002 | 11:30:51 | 0,01             | 0,01             | 0,02             | 0,03                      | 0,04                      | 0,08                      | 3,18   | 2,14   | 2,91   | 0,03             |
| 003 | 11:30:56 | 0,02             | 0,02             | 0,03             | 0,07                      | 0,05                      | 0,15                      | 1,55   | 1,24   | 2,14   | 0,04             |
| 004 | 11:31:01 | 0,05             | 0,06             | 0,38             | 0,15                      | 0,18                      | 1,36                      | 0,64   | 0,68   | 0,35   | 0,39             |
| 005 | 11:31:06 | 0,01             | 0,03             | 0,04             | 0,15                      | 0,18                      | 1,36                      | 2,31   | 1,38   | 5,90   | 0,06             |
| 006 | 11:31:11 | 0,03             | 0,03             | 0,04             | 0,15                      | 0,18                      | 1,36                      | 0,42   | 1,22   | 1,18   | 0,06             |
| 007 | 11:31:16 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,73   | 6,22   | 7,45   | 0,02             |
| 008 | 11:31:21 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 3,71   | 5,14   | 9,15   | 0,03             |
| 009 | 11:31:26 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,06   | 1,56   | 3,18   | 0,03             |
| 010 | 11:31:31 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,38   | 1,87   | 3,02   | 0,02             |
| 011 | 11:31:36 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,97   | 2,23   | 3,30   | 0,02             |
| 012 | 11:31:41 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 3,20   | 2,88   | 2,93   | 0,02             |
| 013 | 11:31:46 | 0,01             | 0,01             | 0,06             | 0,15                      | 0,18                      | 1,36                      | 1,65   | 0,87   | 0,63   | 0,06             |
| 014 | 11:31:51 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,65   | 1,57   | 2,21   | 0,02             |
| 015 | 11:31:56 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,65   | 2,59   | 1,92   | 0,03             |
| 016 | 11:32:01 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,53   | 2,27   | 2,37   | 0,03             |
| 017 | 11:32:06 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,10   | 4,14   | 2,49   | 0,02             |
| 018 | 11:32:11 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,00   | 1,22   | 2,59   | 0,03             |
| 019 | 11:32:16 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 2,98   | 2,37   | 2,77   | 0,02             |
| 020 | 11:32:21 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,48   | 1,83   | 1,77   | 0,03             |
| 021 | 11:32:26 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,84   | 3,30   | 5,05   | 0,02             |
| 022 | 11:32:31 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,18                      | 1,36                      | 1,42   | 1,42   | 2,63   | 0,03             |
| 023 | 11:32:36 | 0,01             | 0,02             | 0,05             | 0,15                      | 0,19                      | 1,36                      | 1,55   | 1,06   | 1,24   | 0,06             |
| 024 | 11:32:41 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,19                      | 1,36                      | 2,61   | 3,30   | 2,98   | 0,02             |
| 025 | 11:32:46 | 0,01             | 0,02             | 0,04             | 0,15                      | 0,19                      | 1,36                      | 1,89   | 1,60   | 1,26   | 0,05             |
| 026 | 11:32:51 | 0,01             | 0,05             | 0,08             | 0,15                      | 0,20                      | 1,36                      | 1,21   | 0,72   | 0,79   | 0,11             |
| 027 | 11:32:56 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,58   | 1,18   | 2,31   | 0,02             |
| 028 | 11:33:01 | 0,01             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,97   | 1,30   | 3,17   | 0,02             |
| 029 | 11:33:06 | 0,01             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,65   | 2,44   | 2,68   | 0,02             |
| 030 | 11:33:11 | 0,01             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 3,34   | 1,36   | 3,09   | 0,02             |
| 031 | 11:33:16 | 0,00             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,58   | 1,84   | 2,77   | 0,02             |
| 032 | 11:33:21 | 0,00             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,27   | 1,91   | 2,74   | 0,02             |
| 033 | 11:33:26 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,93   | 1,39   | 2,68   | 0,02             |
| 034 | 11:33:31 | 0,01             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,67   | 2,23   | 2,57   | 0,02             |
| 035 | 11:33:36 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,22   | 1,46   | 2,34   | 0,02             |
| 036 | 11:33:41 | 0,01             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,80   | 2,21   | 2,11   | 0,02             |
| 037 | 11:33:46 | 0,00             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,96   | 1,86   | 2,95   | 0,02             |
| 038 | 11:33:51 | 0,01             | 0,03             | 0,08             | 0,15                      | 0,20                      | 1,36                      | 1,43   | 0,57   | 0,57   | 0,09             |
| 039 | 11:33:56 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,93   | 1,54   | 2,40   | 0,02             |
| 040 | 11:34:01 | 0,01             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,83   | 2,65   | 1,91   | 0,02             |
| 041 | 11:34:06 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,12   | 1,94   | 3,59   | 0,02             |
| 042 | 11:34:11 | 0,00             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,57   | 1,95   | 2,65   | 0,02             |
| 043 | 11:34:16 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 2,78   | 2,12   | 2,55   | 0,02             |
| 044 | 11:34:21 | 0,00             | 0,01             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 1,82   | 1,89   | 2,50   | 0,02             |
| 045 | 11:34:26 | 0,00             | 0,00             | 0,02             | 0,15                      | 0,20                      | 1,36                      | 4,73   | 4,14   | 4,72   | 0,02             |
| 046 | 11:34:31 | 0,01             | 0,02             | 0,04             | 0,15                      | 0,20                      | 1,36                      | 2,79   | 3,93   | 3,04   | 0,05             |
| 047 | 11:34:36 | 0,03             | 0,03             | 0,07             | 0,16                      | 0,20                      | 1,36                      | 0,44   | 0,51   | 0,83   | 0,09             |
| 048 | 11:34:41 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,30   | 2,92   | 2,45   | 0,02             |
| 049 | 11:34:46 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,80   | 1,37   | 2,24   | 0,02             |
| 050 | 11:34:51 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,11   | 2,91   | 2,92   | 0,02             |
| 051 | 11:34:56 | 0,01             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,30   | 2,03   | 2,13   | 0,02             |
| 052 | 11:35:01 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,58   | 2,22   | 2,51   | 0,02             |
| 053 | 11:35:06 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,64   | 3,18   | 2,39   | 0,02             |
| 054 | 11:35:11 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,86   | 1,95   | 2,26   | 0,02             |
| 055 | 11:35:16 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,50   | 1,53   | 3,08   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 056 | 11:35:21 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,26   | 1,46   | 3,40   | 0,02            |
| 057 | 11:35:26 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,93   | 2,30   | 2,76   | 0,02            |
| 058 | 11:35:31 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,88   | 2,72   | 2,48   | 0,02            |
| 059 | 11:35:36 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,22   | 1,38   | 2,69   | 0,02            |
| 060 | 11:35:41 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,49   | 2,18   | 1,74   | 0,02            |
| 061 | 11:35:46 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,06   | 2,36   | 2,77   | 0,02            |
| 062 | 11:35:51 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 4,28   | 2,94   | 2,93   | 0,02            |
| 063 | 11:35:56 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,55   | 1,23   | 2,42   | 0,02            |
| 064 | 11:36:01 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,86   | 2,59   | 2,66   | 0,02            |
| 065 | 11:36:06 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,74   | 2,22   | 1,80   | 0,02            |
| 066 | 11:36:11 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,61   | 1,73   | 3,36   | 0,02            |
| 067 | 11:36:16 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,92   | 1,73   | 3,25   | 0,02            |
| 068 | 11:36:21 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,74   | 2,50   | 3,27   | 0,02            |
| 069 | 11:36:26 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,19   | 1,49   | 2,47   | 0,02            |
| 070 | 11:36:31 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,59   | 3,50   | 2,43   | 0,02            |
| 071 | 11:36:36 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,15   | 2,82   | 2,57   | 0,02            |
| 072 | 11:36:41 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,90   | 1,40   | 2,47   | 0,02            |
| 073 | 11:36:46 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,17   | 1,83   | 3,08   | 0,02            |
| 074 | 11:36:51 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,97   | 1,63   | 2,98   | 0,02            |
| 075 | 11:36:56 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,25   | 2,76   | 2,86   | 0,02            |
| 076 | 11:37:01 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,68   | 1,71   | 3,33   | 0,02            |
| 077 | 11:37:06 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,40   | 2,84   | 2,21   | 0,02            |
| 078 | 11:37:11 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 3,20   | 1,52   | 2,52   | 0,02            |
| 079 | 11:37:16 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,91   | 1,42   | 2,66   | 0,02            |
| 080 | 11:37:21 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,53   | 1,47   | 2,88   | 0,02            |
| 081 | 11:37:26 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,53   | 1,16   | 2,90   | 0,02            |
| 082 | 11:37:31 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,32   | 1,93   | 2,09   | 0,02            |
| 083 | 11:37:36 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,90   | 3,22   | 1,92   | 0,02            |
| 084 | 11:37:41 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,12   | 1,88   | 3,04   | 0,02            |
| 085 | 11:37:46 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,35   | 1,91   | 2,89   | 0,02            |
| 086 | 11:37:51 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,10   | 2,71   | 2,62   | 0,02            |
| 087 | 11:37:56 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,54   | 2,44   | 2,31   | 0,02            |
| 088 | 11:38:01 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 3,45   | 2,73   | 3,85   | 0,02            |
| 089 | 11:38:06 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,67   | 2,39   | 3,04   | 0,02            |
| 090 | 11:38:11 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,55   | 1,44   | 2,99   | 0,02            |
| 091 | 11:38:16 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,69   | 2,57   | 2,06   | 0,02            |
| 092 | 11:38:21 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,11   | 1,38   | 1,95   | 0,02            |
| 093 | 11:38:26 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,35   | 2,57   | 2,46   | 0,02            |
| 094 | 11:38:31 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,61   | 1,86   | 3,26   | 0,02            |
| 095 | 11:38:36 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,75   | 2,34   | 2,50   | 0,02            |
| 096 | 11:38:41 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,88   | 2,47   | 2,24   | 0,02            |
| 097 | 11:38:46 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,72   | 1,64   | 2,94   | 0,02            |
| 098 | 11:38:51 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,38   | 1,97   | 2,83   | 0,02            |
| 099 | 11:38:56 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,36   | 2,30   | 2,15   | 0,02            |
| 100 | 11:39:01 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,95   | 2,26   | 2,13   | 0,02            |
| 101 | 11:39:06 | 0,00            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,45   | 2,13   | 3,36   | 0,02            |
| 102 | 11:39:11 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,56   | 2,02   | 2,58   | 0,02            |
| 103 | 11:39:16 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,90   | 2,17   | 2,14   | 0,02            |
| 104 | 11:39:21 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 1,33   | 2,52   | 2,55   | 0,02            |
| 105 | 11:39:26 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,11   | 1,50   | 3,08   | 0,02            |
| 106 | 11:39:31 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,87   | 2,24   | 2,09   | 0,02            |
| 107 | 11:39:36 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,39   | 3,30   | 2,65   | 0,02            |
| 108 | 11:39:41 | 0,00            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,31   | 2,52   | 2,69   | 0,02            |
| 109 | 11:39:47 | 0,01            | 0,00            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,07   | 2,33   | 2,27   | 0,02            |
| 110 | 11:39:52 | 0,01            | 0,01            | 0,02            | 0,16                     | 0,20                     | 1,36                     | 2,13   | 1,57   | 3,26   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 111 | 11:39:57 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 3,08   | 2,14   | 2,46   | 0,02             |
| 112 | 11:40:02 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,26   | 1,84   | 2,06   | 0,02             |
| 113 | 11:40:07 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,56   | 2,61   | 2,44   | 0,02             |
| 114 | 11:40:12 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,66   | 1,69   | 3,16   | 0,02             |
| 115 | 11:40:17 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,63   | 1,78   | 2,63   | 0,02             |
| 116 | 11:40:22 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,84   | 2,61   | 2,56   | 0,02             |
| 117 | 11:40:27 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,76   | 2,90   | 2,44   | 0,02             |
| 118 | 11:40:32 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,82   | 1,83   | 2,93   | 0,02             |
| 119 | 11:40:37 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,66   | 1,74   | 2,53   | 0,02             |
| 120 | 11:40:42 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,46   | 2,24   | 2,53   | 0,02             |
| 121 | 11:40:47 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,69   | 1,69   | 2,00   | 0,02             |
| 122 | 11:40:52 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,72   | 3,06   | 2,52   | 0,02             |
| 123 | 11:40:57 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 3,19   | 2,29   | 3,78   | 0,02             |
| 124 | 11:41:02 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,78   | 1,96   | 2,39   | 0,02             |
| 125 | 11:41:07 | 0,01             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,15   | 2,37   | 2,16   | 0,02             |
| 126 | 11:41:12 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,41   | 3,14   | 2,56   | 0,02             |
| 127 | 11:41:17 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,47   | 2,21   | 3,03   | 0,02             |
| 128 | 11:41:22 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,39   | 1,97   | 2,63   | 0,02             |
| 129 | 11:41:27 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,18   | 1,39   | 2,52   | 0,02             |
| 130 | 11:41:32 | 0,00             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,59   | 1,88   | 2,76   | 0,02             |
| 131 | 11:41:37 | 0,01             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,22   | 1,39   | 2,64   | 0,02             |
| 132 | 11:41:42 | 0,00             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 2,51   | 2,06   | 2,15   | 0,02             |
| 133 | 11:41:47 | 0,01             | 0,01             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 1,29   | 2,01   | 2,27   | 0,02             |
| 134 | 11:41:52 | 0,01             | 0,01             | 0,01             | 0,16                      | 0,20                      | 1,36                      | 2,77   | 2,10   | 2,83   | 0,02             |
| 135 | 11:41:57 | 0,01             | 0,00             | 0,02             | 0,16                      | 0,20                      | 1,36                      | 3,26   | 3,34   | 2,59   | 0,02             |
| 136 | 11:42:02 | 0,01             | 0,01             | 0,04             | 0,16                      | 0,20                      | 1,36                      | 2,57   | 2,67   | 2,75   | 0,04             |
| 137 | 11:42:07 | 0,33             | 0,23             | 0,90             | 0,69                      | 0,49                      | 4,83                      | 1,65   | 2,98   | 0,57   | 1,06             |
| 138 | 11:42:12 | 0,12             | 0,19             | 0,07             | 0,70                      | 0,54                      | 4,83                      | 0,52   | 0,37   | 2,53   | 0,33             |
| 139 | 11:42:17 | 0,02             | 0,03             | 0,04             | 0,70                      | 0,54                      | 4,83                      | 0,87   | 1,22   | 2,89   | 0,06             |
| 140 | 11:42:22 | 0,01             | 0,06             | 0,04             | 0,70                      | 0,54                      | 4,83                      | 3,03   | 2,07   | 1,91   | 0,09             |
| 141 | 11:42:27 | 0,01             | 0,06             | 0,04             | 0,70                      | 0,54                      | 4,83                      | 2,13   | 0,74   | 2,14   | 0,09             |
| 142 | 11:42:32 | 0,02             | 0,03             | 0,05             | 0,70                      | 0,54                      | 4,83                      | 4,19   | 3,75   | 2,08   | 0,07             |
| 143 | 11:42:37 | 0,01             | 0,05             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,61   | 0,91   | 2,80   | 0,07             |
| 144 | 11:42:42 | 0,01             | 0,03             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 1,32   | 0,90   | 2,29   | 0,05             |
| 145 | 11:42:47 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 2,92   | 2,69   | 2,75   | 0,03             |
| 146 | 11:42:52 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 2,11   | 2,83   | 2,67   | 0,03             |
| 147 | 11:42:57 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 2,44   | 2,05   | 2,96   | 0,03             |
| 148 | 11:43:02 | 0,01             | 0,02             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,81   | 2,65   | 3,26   | 0,04             |
| 149 | 11:43:07 | 0,01             | 0,03             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 0,68   | 0,94   | 2,40   | 0,05             |
| 150 | 11:43:12 | 0,01             | 0,03             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 1,77   | 1,30   | 2,43   | 0,04             |
| 151 | 11:43:17 | 0,01             | 0,02             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 1,54   | 0,88   | 2,24   | 0,04             |
| 152 | 11:43:22 | 0,01             | 0,03             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 1,29   | 1,13   | 2,31   | 0,05             |
| 153 | 11:43:27 | 0,00             | 0,01             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 3,05   | 2,11   | 2,13   | 0,03             |
| 154 | 11:43:32 | 0,01             | 0,01             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,15   | 2,85   | 2,74   | 0,04             |
| 155 | 11:43:37 | 0,01             | 0,03             | 0,04             | 0,70                      | 0,54                      | 4,83                      | 1,68   | 0,89   | 1,94   | 0,06             |
| 156 | 11:43:42 | 0,00             | 0,01             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,96   | 1,56   | 3,30   | 0,03             |
| 157 | 11:43:47 | 0,00             | 0,01             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,16   | 2,76   | 2,11   | 0,03             |
| 158 | 11:43:52 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 1,97   | 2,16   | 2,19   | 0,03             |
| 159 | 11:43:57 | 0,01             | 0,01             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,28   | 2,33   | 2,22   | 0,03             |
| 160 | 11:44:02 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,54                      | 4,83                      | 1,67   | 1,94   | 2,39   | 0,03             |
| 161 | 11:44:07 | 0,01             | 0,04             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,66   | 1,08   | 2,40   | 0,07             |
| 162 | 11:44:12 | 0,01             | 0,05             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,48   | 2,20   | 2,05   | 0,08             |
| 163 | 11:44:17 | 0,01             | 0,04             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 3,54   | 1,38   | 2,68   | 0,07             |
| 164 | 11:44:22 | 0,02             | 0,03             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 1,53   | 1,54   | 2,12   | 0,06             |
| 165 | 11:44:27 | 0,01             | 0,02             | 0,03             | 0,70                      | 0,54                      | 4,83                      | 2,10   | 1,95   | 2,41   | 0,04             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 166 | 11:44:32 | 0,04             | 0,13             | 0,08             | 0,70                      | 0,55                      | 4,83                      | 4,07   | 1,67   | 2,78   | 0,20             |
| 167 | 11:44:37 | 0,03             | 0,05             | 0,15             | 0,70                      | 0,55                      | 4,83                      | 0,87   | 1,65   | 1,13   | 0,16             |
| 168 | 11:44:42 | 0,01             | 0,04             | 0,05             | 0,70                      | 0,55                      | 4,83                      | 1,68   | 0,70   | 1,44   | 0,07             |
| 169 | 11:44:47 | 0,04             | 0,06             | 0,06             | 0,70                      | 0,55                      | 4,83                      | 1,09   | 1,26   | 1,75   | 0,11             |
| 170 | 11:44:52 | 0,01             | 0,01             | 0,03             | 0,70                      | 0,55                      | 4,83                      | 1,77   | 1,63   | 4,07   | 0,04             |
| 171 | 11:44:57 | 0,00             | 0,01             | 0,02             | 0,70                      | 0,55                      | 4,83                      | 1,69   | 2,18   | 2,29   | 0,03             |
| 172 | 11:45:02 | 0,01             | 0,01             | 0,02             | 0,70                      | 0,55                      | 4,83                      | 2,89   | 2,57   | 3,73   | 0,03             |
| 173 | 11:45:07 | 0,01             | 0,01             | 0,04             | 0,70                      | 0,55                      | 4,83                      | 1,84   | 1,95   | 2,23   | 0,04             |
| 174 | 11:45:12 | 0,01             | 0,01             | 0,03             | 0,70                      | 0,55                      | 4,83                      | 2,84   | 3,32   | 2,32   | 0,04             |
| 175 | 11:45:17 | 0,01             | 0,01             | 0,03             | 0,70                      | 0,55                      | 4,83                      | 1,58   | 3,18   | 2,32   | 0,04             |
| 176 | 11:45:22 | 0,01             | 0,04             | 0,03             | 0,70                      | 0,55                      | 4,83                      | 2,55   | 2,15   | 1,95   | 0,06             |
| 177 | 11:45:27 | 0,37             | 0,20             | 0,19             | 1,00                      | 0,73                      | 4,83                      | 1,39   | 0,94   | 1,63   | 0,61             |
| 178 | 11:45:32 | 0,03             | 0,04             | 0,12             | 1,00                      | 0,73                      | 4,83                      | 0,77   | 1,43   | 1,92   | 0,13             |
| 179 | 11:45:37 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 3,14   | 2,14   | 1,98   | 0,11             |
| 180 | 11:45:42 | 0,01             | 0,03             | 0,10             | 1,00                      | 0,73                      | 4,83                      | 2,29   | 2,28   | 1,92   | 0,11             |
| 181 | 11:45:47 | 0,01             | 0,03             | 0,10             | 1,00                      | 0,73                      | 4,83                      | 2,55   | 2,43   | 2,03   | 0,11             |
| 182 | 11:45:52 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,46   | 1,91   | 1,98   | 0,12             |
| 183 | 11:45:57 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,49   | 1,88   | 2,01   | 0,12             |
| 184 | 11:46:02 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,65   | 2,11   | 2,08   | 0,11             |
| 185 | 11:46:07 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,72   | 1,91   | 2,00   | 0,12             |
| 186 | 11:46:12 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 3,12   | 1,88   | 1,95   | 0,12             |
| 187 | 11:46:17 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,62   | 1,89   | 2,23   | 0,12             |
| 188 | 11:46:22 | 0,03             | 0,04             | 0,14             | 1,00                      | 0,73                      | 4,83                      | 0,60   | 1,45   | 1,36   | 0,16             |
| 189 | 11:46:27 | 0,03             | 0,04             | 0,13             | 1,00                      | 0,73                      | 4,83                      | 0,60   | 1,31   | 1,59   | 0,15             |
| 190 | 11:46:32 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,74   | 1,88   | 1,93   | 0,12             |
| 191 | 11:46:38 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,94   | 1,84   | 2,25   | 0,12             |
| 192 | 11:46:43 | 0,01             | 0,03             | 0,11             | 1,00                      | 0,73                      | 4,83                      | 2,56   | 2,08   | 2,27   | 0,12             |
| 193 | 11:46:48 | 0,02             | 0,04             | 0,12             | 1,00                      | 0,73                      | 4,83                      | 4,05   | 3,16   | 2,01   | 0,13             |
| 194 | 11:46:53 | 0,30             | 0,18             | 1,29             | 1,16                      | 0,74                      | 5,95                      | 0,32   | 0,42   | 0,11   | 1,38             |
| 195 | 11:46:58 | 0,01             | 0,01             | 0,04             | 1,16                      | 0,74                      | 5,95                      | 0,85   | 1,52   | 1,57   | 0,05             |
| 196 | 11:47:03 | 0,02             | 0,06             | 0,05             | 1,16                      | 0,74                      | 5,95                      | 3,84   | 4,03   | 5,28   | 0,10             |
| 197 | 11:47:08 | 0,19             | 0,23             | 0,15             | 1,17                      | 0,78                      | 5,95                      | 0,74   | 2,31   | 2,39   | 0,44             |
| 198 | 11:47:13 | 0,24             | 0,23             | 0,25             | 1,19                      | 0,81                      | 5,95                      | 1,51   | 1,31   | 1,69   | 0,53             |
| 199 | 11:47:18 | 0,15             | 0,29             | 0,36             | 1,19                      | 0,84                      | 5,95                      | 1,22   | 1,12   | 1,25   | 0,59             |
| 200 | 11:47:23 | 0,18             | 0,58             | 0,40             | 1,19                      | 1,26                      | 5,95                      | 2,61   | 0,86   | 0,45   | 0,94             |
| 201 | 11:47:28 | 0,31             | 0,38             | 0,14             | 1,23                      | 1,29                      | 5,95                      | 2,66   | 0,57   | 2,52   | 0,70             |
| 202 | 11:47:33 | 0,28             | 0,12             | 0,17             | 1,25                      | 1,29                      | 5,95                      | 1,63   | 1,88   | 3,17   | 0,46             |
| 203 | 11:47:38 | 0,14             | 0,13             | 0,20             | 1,25                      | 1,29                      | 5,95                      | 1,15   | 1,52   | 2,33   | 0,33             |
| 204 | 11:47:43 | 0,07             | 0,10             | 0,19             | 1,25                      | 1,29                      | 5,95                      | 1,58   | 1,92   | 3,31   | 0,26             |
| 205 | 11:47:48 | 0,10             | 0,21             | 0,25             | 1,25                      | 1,30                      | 5,95                      | 2,71   | 1,03   | 2,30   | 0,41             |
| 206 | 11:47:53 | 0,19             | 0,22             | 0,25             | 1,26                      | 1,30                      | 5,95                      | 2,10   | 3,60   | 1,87   | 0,48             |
| 207 | 11:47:58 | 0,16             | 0,34             | 0,16             | 1,26                      | 1,32                      | 5,95                      | 4,64   | 2,06   | 4,47   | 0,55             |
| 208 | 11:48:03 | 0,18             | 0,15             | 0,18             | 1,27                      | 1,32                      | 5,95                      | 0,50   | 2,09   | 1,81   | 0,37             |
| 209 | 11:48:08 | 0,06             | 0,11             | 0,18             | 1,27                      | 1,33                      | 5,95                      | 0,93   | 1,60   | 1,96   | 0,25             |
| 210 | 11:48:13 | 0,10             | 0,20             | 0,22             | 1,27                      | 1,33                      | 5,95                      | 1,63   | 1,20   | 1,96   | 0,39             |
| 211 | 11:48:18 | 0,08             | 0,11             | 0,11             | 1,27                      | 1,33                      | 5,95                      | 2,45   | 1,06   | 1,57   | 0,21             |
| 212 | 11:48:23 | 0,11             | 0,15             | 0,10             | 1,28                      | 1,33                      | 5,95                      | 1,99   | 4,86   | 5,22   | 0,27             |
| 213 | 11:48:28 | 0,36             | 0,17             | 0,16             | 1,34                      | 1,34                      | 5,95                      | 0,24   | 1,23   | 5,91   | 0,58             |
| 214 | 11:48:33 | 0,01             | 0,03             | 0,10             | 1,34                      | 1,34                      | 5,95                      | 2,42   | 1,70   | 1,89   | 0,11             |
| 215 | 11:48:38 | 0,01             | 0,03             | 0,13             | 1,34                      | 1,34                      | 5,95                      | 2,09   | 1,55   | 1,72   | 0,14             |
| 216 | 11:48:43 | 0,01             | 0,03             | 0,12             | 1,34                      | 1,34                      | 5,95                      | 2,52   | 2,42   | 2,19   | 0,13             |
| 217 | 11:48:48 | 0,01             | 0,03             | 0,13             | 1,34                      | 1,34                      | 5,95                      | 2,14   | 1,94   | 1,82   | 0,14             |
| 218 | 11:48:53 | 0,01             | 0,03             | 0,13             | 1,34                      | 1,34                      | 5,95                      | 2,92   | 1,84   | 1,81   | 0,13             |
| 219 | 11:48:58 | 0,01             | 0,03             | 0,12             | 1,34                      | 1,34                      | 5,95                      | 1,91   | 1,83   | 1,83   | 0,13             |
| 220 | 11:49:03 | 0,01             | 0,03             | 0,12             | 1,34                      | 1,34                      | 5,95                      | 2,67   | 2,05   | 1,82   | 0,13             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 221 | 11:49:08 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 1,96   | 2,06   | 2,09   | 0,13            |
| 222 | 11:49:13 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,75   | 2,22   | 2,08   | 0,14            |
| 223 | 11:49:18 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 1,80   | 2,16   | 2,06   | 0,14            |
| 224 | 11:49:23 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 1,82   | 1,83   | 1,85   | 0,15            |
| 225 | 11:49:28 | 0,02            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 3,33   | 2,03   | 2,05   | 0,15            |
| 226 | 11:49:33 | 0,01            | 0,05            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 1,94   | 1,32   | 1,74   | 0,17            |
| 227 | 11:49:38 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,97   | 2,23   | 2,10   | 0,15            |
| 228 | 11:49:43 | 0,01            | 0,03            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 1,98   | 2,15   | 1,85   | 0,16            |
| 229 | 11:49:48 | 0,01            | 0,03            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 2,52   | 1,75   | 1,78   | 0,15            |
| 230 | 11:49:53 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 3,24   | 2,39   | 1,66   | 0,15            |
| 231 | 11:49:58 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,47   | 1,72   | 1,70   | 0,15            |
| 232 | 11:50:03 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,82   | 2,23   | 1,75   | 0,14            |
| 233 | 11:50:08 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,85   | 1,85   | 1,94   | 0,13            |
| 234 | 11:50:13 | 0,01            | 0,03            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 2,38   | 1,81   | 1,95   | 0,15            |
| 235 | 11:50:18 | 0,01            | 0,04            | 0,17            | 1,34                     | 1,34                     | 5,95                     | 2,61   | 1,41   | 1,73   | 0,18            |
| 236 | 11:50:23 | 0,01            | 0,04            | 0,17            | 1,34                     | 1,34                     | 5,95                     | 1,73   | 2,00   | 1,82   | 0,17            |
| 237 | 11:50:28 | 0,01            | 0,03            | 0,16            | 1,34                     | 1,34                     | 5,95                     | 2,36   | 2,04   | 1,92   | 0,17            |
| 238 | 11:50:33 | 0,01            | 0,03            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 4,45   | 2,54   | 2,18   | 0,16            |
| 239 | 11:50:38 | 0,02            | 0,04            | 0,16            | 1,34                     | 1,34                     | 5,95                     | 1,87   | 3,35   | 2,05   | 0,18            |
| 240 | 11:50:43 | 0,01            | 0,06            | 0,17            | 1,34                     | 1,34                     | 5,95                     | 2,24   | 1,78   | 1,72   | 0,19            |
| 241 | 11:50:48 | 0,01            | 0,04            | 0,16            | 1,34                     | 1,34                     | 5,95                     | 2,84   | 2,09   | 2,02   | 0,17            |
| 242 | 11:50:53 | 0,01            | 0,03            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 1,61   | 1,92   | 1,83   | 0,16            |
| 243 | 11:50:58 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 3,02   | 1,82   | 1,74   | 0,13            |
| 244 | 11:51:03 | 0,01            | 0,04            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,94   | 1,98   | 2,13   | 0,15            |
| 245 | 11:51:08 | 0,01            | 0,04            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 3,43   | 3,69   | 2,03   | 0,16            |
| 246 | 11:51:13 | 0,01            | 0,04            | 0,18            | 1,34                     | 1,34                     | 5,95                     | 2,47   | 2,17   | 1,41   | 0,19            |
| 247 | 11:51:18 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,03   | 2,39   | 1,93   | 0,14            |
| 248 | 11:51:23 | 0,01            | 0,05            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 2,62   | 1,18   | 1,88   | 0,17            |
| 249 | 11:51:28 | 0,02            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 3,35   | 1,66   | 2,51   | 0,15            |
| 250 | 11:51:33 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 1,98   | 2,34   | 2,18   | 0,13            |
| 251 | 11:51:38 | 0,03            | 0,04            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 2,41   | 2,88   | 1,90   | 0,16            |
| 252 | 11:51:43 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,67   | 2,85   | 1,91   | 0,15            |
| 253 | 11:51:48 | 0,02            | 0,04            | 0,15            | 1,34                     | 1,34                     | 5,95                     | 3,89   | 2,32   | 1,71   | 0,17            |
| 254 | 11:51:53 | 0,03            | 0,05            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 1,28   | 1,52   | 1,85   | 0,16            |
| 255 | 11:51:58 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 1,71   | 2,23   | 1,84   | 0,15            |
| 256 | 11:52:03 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,80   | 1,83   | 1,77   | 0,14            |
| 257 | 11:52:08 | 0,01            | 0,03            | 0,14            | 1,34                     | 1,34                     | 5,95                     | 2,76   | 2,25   | 1,79   | 0,14            |
| 258 | 11:52:13 | 0,01            | 0,05            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,45   | 3,57   | 2,10   | 0,15            |
| 259 | 11:52:18 | 0,01            | 0,05            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 1,92   | 1,21   | 1,79   | 0,14            |
| 260 | 11:52:23 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,31   | 1,97   | 1,81   | 0,13            |
| 261 | 11:52:28 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 3,52   | 2,14   | 1,66   | 0,13            |
| 262 | 11:52:33 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 2,75   | 1,96   | 1,87   | 0,12            |
| 263 | 11:52:38 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 2,24   | 2,03   | 1,98   | 0,13            |
| 264 | 11:52:43 | 0,02            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 3,33   | 3,05   | 2,02   | 0,14            |
| 265 | 11:52:48 | 0,01            | 0,03            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 1,62   | 2,58   | 1,71   | 0,13            |
| 266 | 11:52:53 | 0,01            | 0,04            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 3,27   | 3,00   | 2,14   | 0,14            |
| 267 | 11:52:58 | 0,01            | 0,05            | 0,13            | 1,34                     | 1,34                     | 5,95                     | 2,90   | 1,22   | 2,06   | 0,15            |
| 268 | 11:53:03 | 0,01            | 0,03            | 0,11            | 1,34                     | 1,34                     | 5,95                     | 1,88   | 1,81   | 1,84   | 0,12            |
| 269 | 11:53:08 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 1,85   | 1,88   | 1,91   | 0,13            |
| 270 | 11:53:13 | 0,01            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 1,93   | 1,91   | 1,89   | 0,13            |
| 271 | 11:53:18 | 0,02            | 0,03            | 0,12            | 1,34                     | 1,34                     | 5,95                     | 2,32   | 2,93   | 2,10   | 0,13            |
| 272 | 11:53:23 | 0,01            | 0,03            | 0,08            | 1,34                     | 1,34                     | 5,95                     | 2,93   | 0,77   | 0,78   | 0,09            |
| 273 | 11:53:28 | 0,02            | 0,03            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 0,57   | 0,48   | 2,38   | 0,05            |
| 274 | 11:53:33 | 0,01            | 0,02            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 1,17   | 0,82   | 2,12   | 0,04            |
| 275 | 11:53:38 | 0,01            | 0,04            | 0,03            | 1,34                     | 1,34                     | 5,95                     | 1,05   | 1,04   | 1,65   | 0,07            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 276 | 11:53:43 | 0,01            | 0,01            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 3,64   | 2,07   | 1,96   | 0,03            |
| 277 | 11:53:48 | 0,01            | 0,02            | 0,04            | 1,34                     | 1,34                     | 5,95                     | 2,38   | 2,50   | 6,68   | 0,05            |
| 278 | 11:53:53 | 0,01            | 0,04            | 0,03            | 1,34                     | 1,34                     | 5,95                     | 1,83   | 0,27   | 1,30   | 0,07            |
| 279 | 11:53:58 | 0,01            | 0,01            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 2,03   | 1,73   | 2,09   | 0,03            |
| 280 | 11:54:03 | 0,01            | 0,01            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 1,61   | 1,13   | 2,65   | 0,03            |
| 281 | 11:54:08 | 0,01            | 0,01            | 0,02            | 1,34                     | 1,34                     | 5,95                     | 1,51   | 2,08   | 3,14   | 0,03            |
| 282 | 11:54:13 | 0,01            | 0,01            | 0,03            | 1,34                     | 1,34                     | 5,95                     | 7,86   | 3,05   | 5,88   | 0,04            |
| 283 | 11:54:18 | 0,48            | 0,18            | 0,54            | 1,42                     | 1,35                     | 6,07                     | 0,89   | 0,61   | 0,20   | 0,90            |
| 284 | 11:54:23 | 0,05            | 0,05            | 0,05            | 1,42                     | 1,35                     | 6,07                     | 1,37   | 2,54   | 1,72   | 0,11            |
| 285 | 11:54:28 | 0,03            | 0,05            | 0,05            | 1,42                     | 1,35                     | 6,07                     | 1,52   | 1,48   | 2,22   | 0,09            |
| 286 | 11:54:33 | 0,01            | 0,04            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 1,41   | 1,00   | 1,51   | 0,07            |
| 287 | 11:54:38 | 0,01            | 0,02            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 1,35   | 2,21   | 2,77   | 0,05            |
| 288 | 11:54:43 | 0,01            | 0,02            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 3,60   | 3,66   | 2,97   | 0,05            |
| 289 | 11:54:48 | 0,01            | 0,03            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 2,82   | 0,85   | 2,47   | 0,06            |
| 290 | 11:54:53 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 1,44   | 1,66   | 2,23   | 0,04            |
| 291 | 11:54:58 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,68   | 2,08   | 1,90   | 0,04            |
| 292 | 11:55:03 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 1,72   | 2,12   | 2,39   | 0,04            |
| 293 | 11:55:08 | 0,01            | 0,02            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,00   | 1,98   | 2,77   | 0,05            |
| 294 | 11:55:13 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,35   | 2,25   | 2,10   | 0,04            |
| 295 | 11:55:18 | 0,01            | 0,02            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 1,97   | 2,59   | 3,30   | 0,05            |
| 296 | 11:55:23 | 0,01            | 0,02            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 1,31   | 1,35   | 2,27   | 0,05            |
| 297 | 11:55:28 | 0,01            | 0,03            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 1,40   | 0,91   | 2,40   | 0,06            |
| 298 | 11:55:33 | 0,01            | 0,03            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 2,11   | 1,57   | 2,25   | 0,06            |
| 299 | 11:55:38 | 0,01            | 0,01            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 2,67   | 2,10   | 2,71   | 0,05            |
| 300 | 11:55:43 | 0,01            | 0,03            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 2,23   | 0,94   | 1,86   | 0,06            |
| 301 | 11:55:48 | 0,03            | 0,04            | 0,05            | 1,42                     | 1,35                     | 6,07                     | 2,07   | 3,05   | 3,79   | 0,08            |
| 302 | 11:55:53 | 0,02            | 0,07            | 0,05            | 1,42                     | 1,35                     | 6,07                     | 1,23   | 2,13   | 2,22   | 0,11            |
| 303 | 11:55:58 | 0,01            | 0,02            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 1,92   | 1,68   | 2,68   | 0,04            |
| 304 | 11:56:03 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 1,87   | 1,91   | 2,21   | 0,04            |
| 305 | 11:56:09 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,03   | 1,96   | 2,64   | 0,04            |
| 306 | 11:56:14 | 0,01            | 0,02            | 0,05            | 1,42                     | 1,35                     | 6,07                     | 4,00   | 2,99   | 3,50   | 0,06            |
| 307 | 11:56:19 | 0,01            | 0,02            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 1,67   | 1,74   | 1,66   | 0,05            |
| 308 | 11:56:24 | 0,01            | 0,03            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,58   | 0,75   | 1,91   | 0,05            |
| 309 | 11:56:29 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,11   | 2,40   | 1,76   | 0,04            |
| 310 | 11:56:34 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 3,45   | 2,19   | 4,06   | 0,04            |
| 311 | 11:56:39 | 0,01            | 0,03            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,27   | 0,43   | 2,16   | 0,05            |
| 312 | 11:56:44 | 0,01            | 0,02            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,33   | 1,12   | 2,39   | 0,04            |
| 313 | 11:56:49 | 0,01            | 0,01            | 0,02            | 1,42                     | 1,35                     | 6,07                     | 2,44   | 2,05   | 3,75   | 0,03            |
| 314 | 11:56:54 | 0,01            | 0,01            | 0,02            | 1,42                     | 1,35                     | 6,07                     | 1,98   | 2,02   | 2,55   | 0,03            |
| 315 | 11:56:59 | 0,01            | 0,01            | 0,04            | 1,42                     | 1,35                     | 6,07                     | 2,45   | 2,39   | 1,80   | 0,05            |
| 316 | 11:57:04 | 0,01            | 0,01            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,42   | 2,08   | 2,51   | 0,03            |
| 317 | 11:57:09 | 0,01            | 0,02            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,69   | 1,45   | 1,75   | 0,04            |
| 318 | 11:57:14 | 0,03            | 0,08            | 0,10            | 1,42                     | 1,35                     | 6,07                     | 2,32   | 1,62   | 1,28   | 0,16            |
| 319 | 11:57:19 | 0,01            | 0,04            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,55   | 0,84   | 2,42   | 0,06            |
| 320 | 11:57:24 | 0,01            | 0,03            | 0,03            | 1,42                     | 1,35                     | 6,07                     | 2,79   | 5,10   | 3,83   | 0,06            |
| 321 | 11:57:29 | 0,42            | 0,20            | 0,34            | 1,48                     | 1,36                     | 6,07                     | 0,95   | 1,96   | 4,86   | 0,73            |
| 322 | 11:57:35 | 0,05            | 0,06            | 0,29            | 1,48                     | 1,36                     | 6,07                     | 0,53   | 0,91   | 0,84   | 0,31            |
| 323 | 11:57:40 | 0,01            | 0,03            | 0,12            | 1,48                     | 1,36                     | 6,07                     | 3,60   | 2,57   | 1,78   | 0,12            |
| 324 | 11:57:45 | 0,01            | 0,04            | 0,13            | 1,48                     | 1,36                     | 6,07                     | 1,76   | 1,22   | 1,67   | 0,14            |
| 325 | 11:57:50 | 0,01            | 0,03            | 0,11            | 1,48                     | 1,36                     | 6,07                     | 2,64   | 2,05   | 1,89   | 0,12            |
| 326 | 11:57:55 | 0,01            | 0,03            | 0,12            | 1,48                     | 1,36                     | 6,07                     | 3,05   | 2,02   | 1,84   | 0,12            |
| 327 | 11:58:00 | 0,01            | 0,03            | 0,12            | 1,48                     | 1,36                     | 6,07                     | 2,23   | 1,94   | 1,86   | 0,13            |
| 328 | 11:58:05 | 0,01            | 0,03            | 0,12            | 1,48                     | 1,36                     | 6,07                     | 1,98   | 1,84   | 1,66   | 0,13            |
| 329 | 11:58:10 | 0,01            | 0,05            | 0,12            | 1,48                     | 1,36                     | 6,07                     | 1,79   | 1,03   | 1,65   | 0,14            |
| 330 | 11:58:15 | 0,01            | 0,03            | 0,11            | 1,48                     | 1,36                     | 6,07                     | 1,91   | 2,03   | 1,68   | 0,12            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 331 | 11:58:20 | 0,01             | 0,03             | 0,12             | 1,48                      | 1,36                      | 6,07                      | 3,14   | 2,15   | 2,08   | 0,12             |
| 332 | 11:58:25 | 0,01             | 0,03             | 0,12             | 1,48                      | 1,36                      | 6,07                      | 2,39   | 1,93   | 1,77   | 0,13             |
| 333 | 11:58:30 | 0,02             | 0,07             | 0,20             | 1,48                      | 1,36                      | 6,07                      | 0,67   | 0,63   | 1,18   | 0,23             |
| 334 | 11:58:35 | 0,01             | 0,03             | 0,12             | 1,48                      | 1,36                      | 6,07                      | 2,66   | 2,33   | 1,91   | 0,12             |
| 335 | 11:58:40 | 0,01             | 0,03             | 0,12             | 1,48                      | 1,36                      | 6,07                      | 2,52   | 2,06   | 1,77   | 0,13             |
| 336 | 11:58:45 | 0,03             | 0,03             | 0,15             | 1,48                      | 1,36                      | 6,07                      | 0,56   | 1,82   | 1,48   | 0,16             |
| 337 | 11:58:50 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 3,28   | 2,34   | 2,07   | 0,12             |
| 338 | 11:58:55 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 4,01   | 2,04   | 1,85   | 0,12             |
| 339 | 11:59:00 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 2,97   | 2,22   | 2,06   | 0,12             |
| 340 | 11:59:05 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 2,02   | 1,81   | 1,94   | 0,12             |
| 341 | 11:59:10 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 2,65   | 1,67   | 1,93   | 0,12             |
| 342 | 11:59:15 | 0,01             | 0,03             | 0,11             | 1,48                      | 1,36                      | 6,07                      | 4,29   | 3,21   | 2,79   | 0,12             |
| 343 | 11:59:20 | 0,54             | 0,49             | 0,81             | 1,91                      | 1,71                      | 6,43                      | 0,23   | 1,70   | 0,34   | 1,30             |
| 344 | 11:59:25 | 0,01             | 0,07             | 0,03             | 1,91                      | 1,71                      | 6,43                      | 1,25   | 0,37   | 2,27   | 0,11             |
| 345 | 11:59:30 | 0,01             | 0,01             | 0,03             | 1,91                      | 1,71                      | 6,43                      | 2,72   | 1,81   | 2,16   | 0,03             |
| 346 | 11:59:35 | 0,01             | 0,01             | 0,03             | 1,91                      | 1,71                      | 6,43                      | 2,73   | 1,80   | 2,98   | 0,03             |
| 347 | 11:59:40 | 0,01             | 0,03             | 0,07             | 1,91                      | 1,71                      | 6,43                      | 6,02   | 6,61   | 4,95   | 0,09             |
| 348 | 11:59:45 | 0,07             | 0,06             | 0,06             | 1,91                      | 1,71                      | 6,43                      | 1,29   | 2,24   | 2,28   | 0,14             |
| 349 | 11:59:50 | 0,13             | 0,12             | 0,12             | 1,91                      | 1,71                      | 6,43                      | 0,47   | 2,06   | 2,08   | 0,28             |
| 350 | 11:59:55 | 0,34             | 0,16             | 0,21             | 1,91                      | 1,71                      | 6,43                      | 0,81   | 0,58   | 0,74   | 0,56             |
| 351 | 12:00:00 | 0,07             | 0,10             | 0,11             | 1,91                      | 1,71                      | 6,43                      | 0,61   | 2,29   | 2,86   | 0,21             |
| 352 | 12:00:05 | 0,10             | 0,09             | 0,12             | 1,91                      | 1,71                      | 6,43                      | 2,07   | 1,71   | 1,93   | 0,22             |
| 353 | 12:00:10 | 0,13             | 0,20             | 0,19             | 1,91                      | 1,71                      | 6,43                      | 3,24   | 3,55   | 4,99   | 0,38             |
| 354 | 12:00:15 | 0,16             | 0,29             | 0,24             | 1,91                      | 1,72                      | 6,43                      | 1,59   | 1,38   | 2,22   | 0,52             |
| 355 | 12:00:20 | 0,18             | 0,12             | 0,18             | 1,91                      | 1,72                      | 6,43                      | 0,60   | 1,14   | 1,83   | 0,35             |
| 356 | 12:00:25 | 0,06             | 0,06             | 0,19             | 1,91                      | 1,72                      | 6,43                      | 2,91   | 2,20   | 2,00   | 0,23             |
| 357 | 12:00:30 | 0,08             | 0,09             | 0,23             | 1,91                      | 1,72                      | 6,43                      | 2,42   | 2,34   | 3,12   | 0,28             |
| 358 | 12:00:36 | 0,09             | 0,11             | 0,26             | 1,91                      | 1,72                      | 6,43                      | 1,36   | 1,30   | 1,82   | 0,33             |
| 359 | 12:00:41 | 0,08             | 0,11             | 0,25             | 1,91                      | 1,72                      | 6,43                      | 2,54   | 2,17   | 1,93   | 0,31             |
| 360 | 12:00:46 | 0,34             | 0,15             | 0,46             | 1,94                      | 1,72                      | 6,43                      | 0,62   | 2,07   | 0,70   | 0,69             |
| 361 | 12:00:51 | 0,18             | 0,08             | 0,17             | 1,94                      | 1,72                      | 6,43                      | 1,03   | 2,64   | 2,37   | 0,32             |
| 362 | 12:00:56 | 0,15             | 0,09             | 0,19             | 1,94                      | 1,72                      | 6,43                      | 1,41   | 2,02   | 2,14   | 0,31             |
| 363 | 12:01:01 | 0,15             | 0,10             | 0,23             | 1,94                      | 1,72                      | 6,43                      | 2,31   | 2,28   | 2,84   | 0,34             |
| 364 | 12:01:06 | 0,11             | 0,12             | 0,23             | 1,94                      | 1,72                      | 6,43                      | 2,15   | 1,99   | 3,03   | 0,32             |
| 365 | 12:01:11 | 0,08             | 0,12             | 0,27             | 1,94                      | 1,72                      | 6,43                      | 2,07   | 2,61   | 2,44   | 0,34             |
| 366 | 12:01:16 | 0,08             | 0,17             | 0,24             | 1,94                      | 1,72                      | 6,43                      | 1,65   | 1,31   | 2,41   | 0,35             |
| 367 | 12:01:21 | 0,05             | 0,12             | 0,24             | 1,94                      | 1,72                      | 6,43                      | 4,01   | 1,51   | 1,91   | 0,30             |
| 368 | 12:01:26 | 0,11             | 0,08             | 0,18             | 1,94                      | 1,72                      | 6,43                      | 2,32   | 0,93   | 0,85   | 0,26             |
| 369 | 12:01:31 | 0,31             | 0,29             | 0,19             | 1,94                      | 1,72                      | 6,43                      | 2,23   | 2,28   | 5,03   | 0,62             |
| 370 | 12:01:36 | 0,33             | 0,48             | 0,33             | 1,95                      | 1,76                      | 6,43                      | 1,98   | 0,38   | 1,60   | 0,88             |
| 371 | 12:01:41 | 0,28             | 0,15             | 0,30             | 1,95                      | 1,77                      | 6,43                      | 0,96   | 0,55   | 1,63   | 0,54             |
| 372 | 12:01:46 | 0,14             | 0,09             | 0,28             | 1,95                      | 1,77                      | 6,43                      | 2,14   | 1,84   | 2,15   | 0,37             |
| 373 | 12:01:51 | 0,18             | 0,24             | 0,23             | 1,95                      | 1,77                      | 6,43                      | 1,32   | 1,35   | 2,00   | 0,47             |
| 374 | 12:01:56 | 0,19             | 0,28             | 0,30             | 1,96                      | 1,77                      | 6,43                      | 1,25   | 0,95   | 1,74   | 0,56             |
| 375 | 12:02:01 | 0,19             | 0,31             | 0,13             | 1,96                      | 1,78                      | 6,43                      | 0,58   | 0,99   | 1,69   | 0,53             |
| 376 | 12:02:06 | 0,17             | 0,30             | 0,11             | 1,96                      | 1,78                      | 6,43                      | 0,94   | 0,80   | 2,37   | 0,50             |
| 377 | 12:02:11 | 0,27             | 0,21             | 0,13             | 1,96                      | 1,78                      | 6,43                      | 0,79   | 1,01   | 1,41   | 0,49             |
| 378 | 12:02:16 | 0,15             | 0,14             | 0,09             | 1,97                      | 1,78                      | 6,43                      | 0,66   | 1,11   | 1,43   | 0,31             |
| 379 | 12:02:22 | 0,04             | 0,13             | 0,04             | 1,97                      | 1,78                      | 6,43                      | 0,41   | 1,02   | 1,83   | 0,20             |
| 380 | 12:02:27 | 0,02             | 0,08             | 0,04             | 1,97                      | 1,78                      | 6,43                      | 1,45   | 1,32   | 2,07   | 0,12             |
| 381 | 12:02:32 | 0,42             | 0,39             | 0,32             | 1,99                      | 1,80                      | 6,44                      | 0,08   | 0,18   | 0,60   | 0,87             |
| 382 | 12:02:37 | 0,01             | 0,04             | 0,13             | 1,99                      | 1,80                      | 6,44                      | 1,78   | 0,95   | 1,62   | 0,14             |
| 383 | 12:02:42 | 0,01             | 0,02             | 0,10             | 1,99                      | 1,80                      | 6,44                      | 1,75   | 2,68   | 1,89   | 0,11             |
| 384 | 12:02:47 | 0,02             | 0,03             | 0,12             | 1,99                      | 1,80                      | 6,44                      | 4,72   | 2,01   | 2,32   | 0,13             |
| 385 | 12:02:52 | 0,02             | 0,03             | 0,10             | 1,99                      | 1,80                      | 6,44                      | 0,93   | 1,78   | 1,96   | 0,11             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 386 | 12:02:57 | 0,01             | 0,03             | 0,10             | 1,99                      | 1,80                      | 6,44                      | 3,20   | 2,42   | 2,44   | 0,11             |
| 387 | 12:03:02 | 0,01             | 0,02             | 0,10             | 1,99                      | 1,80                      | 6,44                      | 1,83   | 2,73   | 2,06   | 0,10             |
| 388 | 12:03:07 | 0,01             | 0,02             | 0,09             | 1,99                      | 1,80                      | 6,44                      | 2,61   | 1,88   | 2,10   | 0,10             |
| 389 | 12:03:12 | 0,01             | 0,03             | 0,10             | 1,99                      | 1,80                      | 6,44                      | 2,15   | 2,32   | 2,08   | 0,11             |
| 390 | 12:03:17 | 0,01             | 0,04             | 0,12             | 1,99                      | 1,80                      | 6,44                      | 1,62   | 1,67   | 1,72   | 0,13             |
| 391 | 12:03:22 | 0,01             | 0,03             | 0,12             | 1,99                      | 1,80                      | 6,44                      | 3,10   | 1,75   | 2,01   | 0,12             |
| 392 | 12:03:27 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 2,58   | 2,28   | 1,80   | 0,12             |
| 393 | 12:03:32 | 0,01             | 0,03             | 0,12             | 1,99                      | 1,80                      | 6,44                      | 3,63   | 2,52   | 1,91   | 0,12             |
| 394 | 12:03:37 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 2,33   | 2,16   | 1,68   | 0,12             |
| 395 | 12:03:42 | 0,01             | 0,05             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 1,80   | 1,49   | 1,73   | 0,13             |
| 396 | 12:03:47 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 3,29   | 1,65   | 1,87   | 0,12             |
| 397 | 12:03:52 | 0,02             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 1,34   | 2,35   | 2,08   | 0,12             |
| 398 | 12:03:57 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 3,19   | 2,34   | 1,94   | 0,12             |
| 399 | 12:04:02 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 2,36   | 2,06   | 1,92   | 0,12             |
| 400 | 12:04:07 | 0,01             | 0,03             | 0,11             | 1,99                      | 1,80                      | 6,44                      | 3,06   | 2,71   | 1,94   | 0,12             |
| 401 | 12:04:12 | 0,02             | 0,05             | 0,13             | 1,99                      | 1,80                      | 6,44                      | 4,76   | 5,14   | 2,80   | 0,14             |
| 402 | 12:04:17 | 0,29             | 0,16             | 0,48             | 2,06                      | 1,80                      | 6,68                      | 0,22   | 0,58   | 0,41   | 0,67             |
| 403 | 12:04:22 | 0,03             | 0,04             | 0,05             | 2,06                      | 1,80                      | 6,68                      | 1,24   | 0,66   | 1,65   | 0,09             |
| 404 | 12:04:27 | 0,01             | 0,01             | 0,03             | 2,06                      | 1,80                      | 6,68                      | 2,00   | 2,17   | 2,28   | 0,03             |
| 405 | 12:04:32 | 0,01             | 0,01             | 0,03             | 2,06                      | 1,80                      | 6,68                      | 3,22   | 2,20   | 2,53   | 0,03             |
| 406 | 12:04:37 | 0,01             | 0,01             | 0,03             | 2,06                      | 1,80                      | 6,68                      | 2,26   | 1,54   | 2,45   | 0,03             |
| 407 | 12:04:42 | 0,05             | 0,08             | 0,20             | 2,06                      | 1,80                      | 6,68                      | 2,67   | 1,34   | 0,67   | 0,23             |
| 408 | 12:04:47 | 0,28             | 0,13             | 0,17             | 2,06                      | 1,80                      | 6,68                      | 2,43   | 1,19   | 3,11   | 0,47             |
| 409 | 12:04:52 | 0,16             | 0,23             | 0,21             | 2,06                      | 1,80                      | 6,68                      | 2,21   | 2,84   | 1,52   | 0,44             |
| 410 | 12:04:57 | 0,13             | 0,25             | 0,16             | 2,06                      | 1,80                      | 6,68                      | 0,72   | 1,97   | 2,31   | 0,42             |
| 411 | 12:05:02 | 0,08             | 0,13             | 0,19             | 2,06                      | 1,80                      | 6,68                      | 1,87   | 2,21   | 2,38   | 0,29             |
| 412 | 12:05:07 | 0,15             | 0,20             | 0,35             | 2,06                      | 1,81                      | 6,68                      | 1,34   | 2,72   | 1,57   | 0,49             |
| 413 | 12:05:12 | 0,12             | 0,15             | 0,14             | 2,06                      | 1,81                      | 6,68                      | 0,48   | 0,82   | 1,14   | 0,31             |
| 414 | 12:05:17 | 0,10             | 0,04             | 0,05             | 2,06                      | 1,81                      | 6,68                      | 1,77   | 0,83   | 2,53   | 0,16             |
| 415 | 12:05:22 | 0,08             | 0,02             | 0,04             | 2,06                      | 1,81                      | 6,68                      | 1,62   | 6,04   | 3,16   | 0,12             |
| 416 | 12:05:27 | 0,19             | 0,31             | 0,19             | 2,06                      | 1,82                      | 6,68                      | 1,34   | 3,08   | 4,58   | 0,54             |
| 417 | 12:05:32 | 0,20             | 0,33             | 0,33             | 2,06                      | 1,83                      | 6,68                      | 2,32   | 1,15   | 1,01   | 0,63             |
| 418 | 12:05:37 | 0,18             | 0,26             | 0,26             | 2,06                      | 1,83                      | 6,68                      | 0,86   | 1,48   | 1,83   | 0,52             |
| 419 | 12:05:42 | 0,13             | 0,23             | 0,25             | 2,06                      | 1,83                      | 6,68                      | 1,45   | 0,83   | 1,67   | 0,45             |
| 420 | 12:05:47 | 0,19             | 0,23             | 0,37             | 2,06                      | 1,83                      | 6,68                      | 4,13   | 2,22   | 2,74   | 0,56             |
| 421 | 12:05:52 | 0,28             | 0,30             | 0,27             | 2,07                      | 1,84                      | 6,68                      | 2,73   | 0,82   | 2,69   | 0,64             |
| 422 | 12:05:57 | 0,15             | 0,09             | 0,19             | 2,07                      | 1,84                      | 6,68                      | 2,66   | 2,24   | 2,42   | 0,32             |
| 423 | 12:06:02 | 0,12             | 0,08             | 0,18             | 2,07                      | 1,84                      | 6,68                      | 1,62   | 2,30   | 3,20   | 0,28             |
| 424 | 12:06:07 | 0,21             | 0,14             | 0,28             | 2,07                      | 1,84                      | 6,68                      | 1,56   | 2,11   | 3,28   | 0,45             |
| 425 | 12:06:12 | 0,09             | 0,14             | 0,26             | 2,07                      | 1,84                      | 6,68                      | 3,51   | 2,17   | 3,07   | 0,35             |
| 426 | 12:06:17 | 0,11             | 0,11             | 0,27             | 2,07                      | 1,84                      | 6,68                      | 1,05   | 2,01   | 1,72   | 0,35             |
| 427 | 12:06:22 | 0,10             | 0,27             | 0,29             | 2,07                      | 1,85                      | 6,68                      | 2,60   | 1,79   | 2,69   | 0,49             |
| 428 | 12:06:27 | 0,11             | 0,13             | 0,33             | 2,07                      | 1,85                      | 6,68                      | 2,25   | 2,03   | 3,18   | 0,40             |
| 429 | 12:06:32 | 0,12             | 0,13             | 0,33             | 2,07                      | 1,85                      | 6,68                      | 3,04   | 3,01   | 3,45   | 0,40             |
| 430 | 12:06:38 | 0,12             | 0,16             | 0,31             | 2,07                      | 1,85                      | 6,68                      | 2,36   | 2,82   | 1,92   | 0,42             |
| 431 | 12:06:43 | 0,14             | 0,19             | 0,29             | 2,07                      | 1,85                      | 6,68                      | 2,15   | 1,25   | 2,69   | 0,44             |
| 432 | 12:06:48 | 0,13             | 0,11             | 0,32             | 2,07                      | 1,85                      | 6,68                      | 2,30   | 1,24   | 2,18   | 0,40             |
| 433 | 12:06:53 | 0,20             | 0,11             | 0,42             | 2,07                      | 1,85                      | 6,68                      | 1,87   | 1,98   | 1,76   | 0,53             |
| 434 | 12:06:58 | 0,13             | 0,14             | 0,28             | 2,07                      | 1,85                      | 6,68                      | 2,00   | 1,76   | 2,31   | 0,39             |
| 435 | 12:07:03 | 0,10             | 0,12             | 0,26             | 2,07                      | 1,85                      | 6,68                      | 1,52   | 1,74   | 1,30   | 0,34             |
| 436 | 12:07:08 | 0,09             | 0,11             | 0,24             | 2,07                      | 1,85                      | 6,68                      | 1,98   | 1,37   | 1,43   | 0,31             |
| 437 | 12:07:13 | 0,10             | 0,08             | 0,20             | 2,07                      | 1,85                      | 6,68                      | 3,09   | 1,95   | 3,86   | 0,27             |
| 438 | 12:07:18 | 0,11             | 0,08             | 0,21             | 2,07                      | 1,85                      | 6,68                      | 1,18   | 1,65   | 1,36   | 0,29             |
| 439 | 12:07:23 | 0,07             | 0,08             | 0,17             | 2,07                      | 1,85                      | 6,68                      | 2,32   | 3,15   | 2,83   | 0,22             |
| 440 | 12:07:28 | 0,12             | 0,10             | 0,18             | 2,07                      | 1,85                      | 6,68                      | 1,31   | 1,42   | 4,62   | 0,28             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 441 | 12:07:33 | 0,10            | 0,08            | 0,21            | 2,07                     | 1,85                     | 6,68                     | 1,52   | 2,01   | 3,70   | 0,28            |
| 442 | 12:07:38 | 0,08            | 0,08            | 0,21            | 2,07                     | 1,85                     | 6,68                     | 1,14   | 1,68   | 2,98   | 0,26            |
| 443 | 12:07:43 | 0,12            | 0,10            | 0,21            | 2,07                     | 1,85                     | 6,68                     | 2,16   | 1,69   | 1,84   | 0,30            |
| 444 | 12:07:48 | 0,12            | 0,14            | 0,27            | 2,07                     | 1,85                     | 6,68                     | 2,49   | 1,12   | 2,50   | 0,38            |
| 445 | 12:07:53 | 0,22            | 0,14            | 0,39            | 2,07                     | 1,85                     | 6,68                     | 0,89   | 3,70   | 1,48   | 0,53            |
| 446 | 12:07:58 | 0,21            | 0,17            | 0,29            | 2,07                     | 1,85                     | 6,68                     | 1,37   | 1,46   | 2,50   | 0,48            |
| 447 | 12:08:03 | 0,16            | 0,12            | 0,29            | 2,07                     | 1,85                     | 6,68                     | 1,38   | 1,41   | 1,89   | 0,41            |
| 448 | 12:08:08 | 0,16            | 0,13            | 0,34            | 2,07                     | 1,85                     | 6,68                     | 1,97   | 1,12   | 1,84   | 0,45            |
| 449 | 12:08:13 | 0,20            | 0,14            | 0,29            | 2,07                     | 1,85                     | 6,68                     | 2,04   | 2,77   | 2,42   | 0,45            |
| 450 | 12:08:18 | 0,17            | 0,19            | 0,26            | 2,07                     | 1,85                     | 6,68                     | 2,21   | 1,08   | 1,79   | 0,44            |
| 451 | 12:08:23 | 0,25            | 0,27            | 0,43            | 2,07                     | 1,85                     | 6,68                     | 1,38   | 1,86   | 1,81   | 0,68            |
| 452 | 12:08:28 | 0,39            | 0,18            | 0,71            | 2,08                     | 1,85                     | 6,69                     | 0,98   | 3,05   | 2,08   | 0,94            |
| 453 | 12:08:33 | 0,32            | 0,23            | 0,48            | 2,09                     | 1,86                     | 6,69                     | 1,73   | 1,63   | 1,89   | 0,73            |
| 454 | 12:08:38 | 0,19            | 0,17            | 0,36            | 2,09                     | 1,86                     | 6,69                     | 2,01   | 2,19   | 4,99   | 0,51            |
| 455 | 12:08:43 | 0,28            | 0,22            | 0,56            | 2,09                     | 1,86                     | 6,69                     | 2,46   | 1,45   | 2,03   | 0,75            |
| 456 | 12:08:48 | 0,21            | 0,18            | 0,39            | 2,09                     | 1,86                     | 6,69                     | 1,52   | 1,57   | 1,67   | 0,55            |
| 457 | 12:08:53 | 0,14            | 0,12            | 0,30            | 2,09                     | 1,86                     | 6,69                     | 2,56   | 1,23   | 2,17   | 0,39            |
| 458 | 12:08:58 | 0,10            | 0,15            | 0,31            | 2,09                     | 1,86                     | 6,69                     | 2,28   | 1,37   | 2,15   | 0,40            |
| 459 | 12:09:03 | 0,11            | 0,11            | 0,26            | 2,09                     | 1,86                     | 6,69                     | 1,57   | 1,56   | 2,77   | 0,34            |
| 460 | 12:09:08 | 0,25            | 0,15            | 0,52            | 2,09                     | 1,86                     | 6,69                     | 1,70   | 1,50   | 1,88   | 0,66            |
| 461 | 12:09:13 | 0,19            | 0,19            | 0,39            | 2,09                     | 1,86                     | 6,69                     | 2,93   | 2,87   | 2,67   | 0,54            |
| 462 | 12:09:18 | 0,17            | 0,19            | 0,36            | 2,09                     | 1,86                     | 6,69                     | 1,59   | 1,67   | 2,46   | 0,50            |
| 463 | 12:09:23 | 0,21            | 0,27            | 0,46            | 2,09                     | 1,87                     | 6,69                     | 1,97   | 1,20   | 1,84   | 0,67            |
| 464 | 12:09:28 | 0,26            | 0,26            | 0,44            | 2,09                     | 1,87                     | 6,69                     | 2,12   | 1,33   | 3,45   | 0,68            |
| 465 | 12:09:33 | 0,25            | 0,18            | 0,44            | 2,10                     | 1,87                     | 6,69                     | 1,77   | 1,52   | 1,53   | 0,61            |
| 466 | 12:09:38 | 0,49            | 0,22            | 0,87            | 2,13                     | 1,87                     | 6,70                     | 3,18   | 1,39   | 2,42   | 1,14            |
| 467 | 12:09:43 | 0,24            | 0,20            | 0,42            | 2,13                     | 1,87                     | 6,70                     | 2,01   | 2,16   | 2,18   | 0,60            |
| 468 | 12:09:48 | 0,17            | 0,12            | 0,35            | 2,13                     | 1,87                     | 6,70                     | 2,37   | 1,35   | 2,53   | 0,46            |
| 469 | 12:09:53 | 0,17            | 0,14            | 0,32            | 2,13                     | 1,87                     | 6,70                     | 1,01   | 2,39   | 1,96   | 0,45            |
| 470 | 12:09:58 | 0,12            | 0,16            | 0,27            | 2,13                     | 1,87                     | 6,70                     | 1,59   | 1,13   | 2,80   | 0,39            |
| 471 | 12:10:03 | 0,09            | 0,19            | 0,28            | 2,13                     | 1,87                     | 6,70                     | 3,00   | 1,24   | 2,46   | 0,40            |
| 472 | 12:10:08 | 0,27            | 0,14            | 0,48            | 2,13                     | 1,87                     | 6,70                     | 1,71   | 1,46   | 1,58   | 0,64            |
| 473 | 12:10:13 | 0,12            | 0,22            | 0,26            | 2,13                     | 1,87                     | 6,70                     | 1,98   | 2,17   | 2,66   | 0,44            |
| 474 | 12:10:18 | 0,24            | 0,28            | 0,43            | 2,13                     | 1,87                     | 6,70                     | 1,37   | 1,01   | 2,16   | 0,67            |
| 475 | 12:10:23 | 0,20            | 0,15            | 0,39            | 2,13                     | 1,88                     | 6,70                     | 1,28   | 3,65   | 1,49   | 0,52            |
| 476 | 12:10:28 | 0,18            | 0,23            | 0,35            | 2,14                     | 1,88                     | 6,70                     | 0,57   | 0,88   | 1,33   | 0,54            |
| 477 | 12:10:33 | 0,26            | 0,25            | 0,49            | 2,14                     | 1,88                     | 6,70                     | 1,52   | 1,62   | 1,80   | 0,70            |
| 478 | 12:10:39 | 0,24            | 0,18            | 0,44            | 2,14                     | 1,88                     | 6,70                     | 2,06   | 1,26   | 2,24   | 0,61            |
| 479 | 12:10:44 | 0,21            | 0,14            | 0,39            | 2,14                     | 1,88                     | 6,70                     | 0,78   | 1,22   | 0,93   | 0,52            |
| 480 | 12:10:49 | 0,30            | 0,18            | 0,48            | 2,14                     | 1,88                     | 6,70                     | 1,51   | 2,00   | 1,63   | 0,69            |
| 481 | 12:10:54 | 0,13            | 0,14            | 0,33            | 2,14                     | 1,88                     | 6,70                     | 2,15   | 2,66   | 3,03   | 0,42            |
| 482 | 12:10:59 | 0,13            | 0,20            | 0,31            | 2,14                     | 1,88                     | 6,70                     | 2,57   | 1,09   | 2,50   | 0,46            |
| 483 | 12:11:04 | 0,17            | 0,16            | 0,39            | 2,14                     | 1,88                     | 6,70                     | 2,42   | 3,39   | 2,25   | 0,52            |
| 484 | 12:11:09 | 0,14            | 0,15            | 0,36            | 2,14                     | 1,88                     | 6,70                     | 2,62   | 3,06   | 1,75   | 0,46            |
| 485 | 12:11:14 | 0,11            | 0,17            | 0,31            | 2,14                     | 1,88                     | 6,70                     | 1,59   | 1,43   | 1,54   | 0,43            |
| 486 | 12:11:19 | 0,12            | 0,16            | 0,33            | 2,14                     | 1,88                     | 6,70                     | 1,37   | 0,72   | 1,31   | 0,43            |
| 487 | 12:11:24 | 0,16            | 0,15            | 0,32            | 2,14                     | 1,88                     | 6,70                     | 2,49   | 3,77   | 2,08   | 0,45            |
| 488 | 12:11:29 | 0,15            | 0,18            | 0,29            | 2,14                     | 1,88                     | 6,70                     | 2,57   | 1,93   | 3,11   | 0,43            |
| 489 | 12:11:34 | 0,21            | 0,15            | 0,34            | 2,14                     | 1,88                     | 6,70                     | 1,32   | 1,63   | 2,29   | 0,50            |
| 490 | 12:11:39 | 0,12            | 0,18            | 0,29            | 2,14                     | 1,88                     | 6,70                     | 1,84   | 0,99   | 1,82   | 0,42            |
| 491 | 12:11:44 | 0,11            | 0,14            | 0,30            | 2,14                     | 1,88                     | 6,70                     | 3,04   | 2,41   | 3,83   | 0,39            |
| 492 | 12:11:49 | 0,14            | 0,12            | 0,30            | 2,15                     | 1,88                     | 6,70                     | 1,35   | 2,18   | 2,26   | 0,40            |
| 493 | 12:11:54 | 0,07            | 0,10            | 0,24            | 2,15                     | 1,88                     | 6,70                     | 2,48   | 2,22   | 2,88   | 0,29            |
| 494 | 12:11:59 | 0,12            | 0,28            | 0,26            | 2,15                     | 1,89                     | 6,70                     | 2,45   | 1,29   | 2,39   | 0,50            |
| 495 | 12:12:04 | 0,11            | 0,22            | 0,23            | 2,15                     | 1,89                     | 6,70                     | 2,57   | 0,70   | 2,46   | 0,42            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 496 | 12:12:09 | 0,12            | 0,12            | 0,25            | 2,15                     | 1,89                     | 6,70                     | 1,08   | 1,82   | 1,00   | 0,35            |
| 497 | 12:12:14 | 0,10            | 0,11            | 0,25            | 2,15                     | 1,89                     | 6,70                     | 1,51   | 1,12   | 1,68   | 0,32            |
| 498 | 12:12:19 | 0,12            | 0,17            | 0,37            | 2,15                     | 1,89                     | 6,70                     | 1,30   | 3,12   | 2,11   | 0,46            |
| 499 | 12:12:24 | 0,13            | 0,16            | 0,31            | 2,15                     | 1,89                     | 6,70                     | 1,58   | 1,02   | 1,21   | 0,42            |
| 500 | 12:12:29 | 0,14            | 0,12            | 0,29            | 2,15                     | 1,89                     | 6,70                     | 1,24   | 1,01   | 2,10   | 0,39            |
| 501 | 12:12:34 | 0,24            | 0,11            | 0,45            | 2,15                     | 1,89                     | 6,70                     | 2,02   | 2,85   | 1,86   | 0,59            |
| 502 | 12:12:39 | 0,18            | 0,13            | 0,34            | 2,15                     | 1,89                     | 6,70                     | 2,62   | 2,34   | 2,82   | 0,46            |
| 503 | 12:12:44 | 0,09            | 0,15            | 0,24            | 2,15                     | 1,89                     | 6,70                     | 1,13   | 1,42   | 2,45   | 0,35            |
| 504 | 12:12:49 | 0,23            | 0,16            | 0,46            | 2,15                     | 1,89                     | 6,71                     | 2,24   | 2,16   | 1,95   | 0,61            |
| 505 | 12:12:54 | 0,23            | 0,23            | 0,43            | 2,15                     | 1,89                     | 6,71                     | 1,63   | 1,75   | 2,02   | 0,63            |
| 506 | 12:13:00 | 0,16            | 0,13            | 0,31            | 2,15                     | 1,89                     | 6,71                     | 1,70   | 1,76   | 1,78   | 0,42            |
| 507 | 12:13:05 | 0,13            | 0,17            | 0,34            | 2,15                     | 1,89                     | 6,71                     | 2,78   | 2,00   | 2,64   | 0,45            |
| 508 | 12:13:10 | 0,13            | 0,11            | 0,31            | 2,15                     | 1,89                     | 6,71                     | 1,98   | 1,63   | 2,44   | 0,39            |
| 509 | 12:13:15 | 0,14            | 0,09            | 0,24            | 2,15                     | 1,89                     | 6,71                     | 1,03   | 2,61   | 2,04   | 0,34            |
| 510 | 12:13:20 | 0,15            | 0,23            | 0,34            | 2,15                     | 1,89                     | 6,71                     | 2,44   | 0,74   | 1,82   | 0,51            |
| 511 | 12:13:25 | 0,11            | 0,18            | 0,33            | 2,15                     | 1,89                     | 6,71                     | 1,96   | 1,95   | 2,38   | 0,44            |
| 512 | 12:13:30 | 0,13            | 0,15            | 0,28            | 2,15                     | 1,89                     | 6,71                     | 1,39   | 1,08   | 2,29   | 0,40            |
| 513 | 12:13:35 | 0,16            | 0,12            | 0,34            | 2,15                     | 1,89                     | 6,71                     | 2,66   | 1,40   | 1,85   | 0,44            |
| 514 | 12:13:40 | 0,12            | 0,11            | 0,31            | 2,15                     | 1,89                     | 6,71                     | 1,09   | 2,61   | 2,23   | 0,39            |
| 515 | 12:13:45 | 0,14            | 0,18            | 0,33            | 2,15                     | 1,89                     | 6,71                     | 1,66   | 2,60   | 1,60   | 0,46            |
| 516 | 12:13:50 | 0,27            | 0,15            | 0,43            | 2,15                     | 1,89                     | 6,71                     | 1,05   | 1,99   | 1,40   | 0,61            |
| 517 | 12:13:55 | 0,15            | 0,18            | 0,32            | 2,15                     | 1,90                     | 6,71                     | 1,30   | 1,36   | 1,49   | 0,46            |
| 518 | 12:14:00 | 0,13            | 0,12            | 0,31            | 2,15                     | 1,90                     | 6,71                     | 2,43   | 2,22   | 3,46   | 0,40            |
| 519 | 12:14:05 | 0,23            | 0,22            | 0,47            | 2,16                     | 1,90                     | 6,71                     | 1,40   | 1,18   | 1,67   | 0,64            |
| 520 | 12:14:10 | 0,24            | 0,20            | 0,47            | 2,16                     | 1,90                     | 6,71                     | 1,29   | 1,55   | 1,46   | 0,64            |
| 521 | 12:14:15 | 0,19            | 0,18            | 0,41            | 2,16                     | 1,90                     | 6,71                     | 1,05   | 2,63   | 1,64   | 0,54            |
| 522 | 12:14:20 | 0,10            | 0,18            | 0,29            | 2,16                     | 1,90                     | 6,71                     | 2,23   | 1,73   | 2,72   | 0,41            |
| 523 | 12:14:26 | 0,19            | 0,16            | 0,50            | 2,16                     | 1,90                     | 6,71                     | 2,66   | 2,16   | 2,70   | 0,61            |
| 524 | 12:14:31 | 0,15            | 0,19            | 0,40            | 2,16                     | 1,90                     | 6,71                     | 1,80   | 1,61   | 2,12   | 0,52            |
| 525 | 12:14:36 | 0,19            | 0,17            | 0,44            | 2,16                     | 1,90                     | 6,71                     | 2,36   | 2,42   | 2,16   | 0,57            |
| 526 | 12:14:41 | 0,18            | 0,19            | 0,39            | 2,16                     | 1,90                     | 6,71                     | 2,85   | 2,08   | 3,24   | 0,54            |
| 527 | 12:14:46 | 0,21            | 0,21            | 0,47            | 2,16                     | 1,90                     | 6,71                     | 1,70   | 1,19   | 2,58   | 0,63            |
| 528 | 12:14:51 | 0,12            | 0,15            | 0,34            | 2,16                     | 1,90                     | 6,71                     | 2,12   | 2,30   | 2,13   | 0,44            |
| 529 | 12:14:56 | 0,17            | 0,14            | 0,39            | 2,16                     | 1,90                     | 6,71                     | 1,43   | 2,65   | 1,51   | 0,50            |
| 530 | 12:15:01 | 0,09            | 0,12            | 0,23            | 2,16                     | 1,90                     | 6,71                     | 0,94   | 1,34   | 1,86   | 0,31            |
| 531 | 12:15:06 | 0,13            | 0,18            | 0,37            | 2,16                     | 1,90                     | 6,71                     | 1,76   | 1,80   | 2,03   | 0,48            |
| 532 | 12:15:11 | 0,18            | 0,21            | 0,34            | 2,16                     | 1,90                     | 6,71                     | 1,35   | 2,32   | 2,10   | 0,52            |
| 533 | 12:15:16 | 0,18            | 0,14            | 0,45            | 2,16                     | 1,90                     | 6,71                     | 1,48   | 2,28   | 1,34   | 0,56            |
| 534 | 12:15:21 | 0,32            | 0,15            | 0,52            | 2,16                     | 1,90                     | 6,71                     | 1,14   | 1,18   | 1,74   | 0,72            |
| 535 | 12:15:26 | 0,15            | 0,12            | 0,27            | 2,16                     | 1,90                     | 6,71                     | 1,36   | 2,29   | 2,06   | 0,38            |
| 536 | 12:15:31 | 0,11            | 0,13            | 0,25            | 2,16                     | 1,90                     | 6,71                     | 1,21   | 1,13   | 1,51   | 0,35            |
| 537 | 12:15:36 | 0,16            | 0,08            | 0,17            | 2,17                     | 1,90                     | 6,71                     | 2,78   | 1,57   | 2,02   | 0,30            |
| 538 | 12:15:41 | 0,18            | 0,17            | 0,41            | 2,17                     | 1,90                     | 6,71                     | 2,30   | 1,78   | 2,25   | 0,54            |
| 539 | 12:15:46 | 0,24            | 0,13            | 0,20            | 2,17                     | 1,90                     | 6,71                     | 2,40   | 0,86   | 1,54   | 0,43            |
| 540 | 12:15:51 | 0,08            | 0,09            | 0,13            | 2,17                     | 1,90                     | 6,71                     | 1,18   | 1,38   | 1,94   | 0,21            |
| 541 | 12:15:56 | 0,08            | 0,09            | 0,16            | 2,17                     | 1,90                     | 6,71                     | 1,45   | 0,81   | 1,06   | 0,24            |
| 542 | 12:16:01 | 0,42            | 0,11            | 0,33            | 2,17                     | 1,90                     | 6,72                     | 2,17   | 2,06   | 2,80   | 0,69            |
| 543 | 12:16:06 | 0,22            | 0,11            | 0,20            | 2,17                     | 1,90                     | 6,72                     | 1,65   | 1,53   | 2,17   | 0,40            |
| 544 | 12:16:11 | 0,23            | 0,10            | 0,24            | 2,17                     | 1,90                     | 6,72                     | 1,81   | 2,00   | 2,17   | 0,42            |
| 545 | 12:16:16 | 0,17            | 0,12            | 0,35            | 2,18                     | 1,90                     | 6,72                     | 1,26   | 1,99   | 2,45   | 0,46            |
| 546 | 12:16:21 | 0,14            | 0,22            | 0,31            | 2,18                     | 1,91                     | 6,72                     | 1,89   | 1,50   | 1,70   | 0,48            |
| 547 | 12:16:26 | 0,14            | 0,14            | 0,34            | 2,18                     | 1,91                     | 6,72                     | 2,16   | 2,24   | 2,25   | 0,44            |
| 548 | 12:16:31 | 0,18            | 0,16            | 0,33            | 2,18                     | 1,91                     | 6,72                     | 1,97   | 2,65   | 3,16   | 0,47            |
| 549 | 12:16:36 | 0,19            | 0,18            | 0,39            | 2,18                     | 1,91                     | 6,72                     | 1,55   | 1,74   | 2,44   | 0,53            |
| 550 | 12:16:41 | 0,16            | 0,14            | 0,42            | 2,18                     | 1,91                     | 6,72                     | 2,44   | 2,48   | 3,71   | 0,51            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 551 | 12:16:46 | 0,15            | 0,19            | 0,32            | 2,18                     | 1,91                     | 6,72                     | 2,06   | 2,25   | 3,26   | 0,47            |
| 552 | 12:16:51 | 0,21            | 0,22            | 0,45            | 2,18                     | 1,91                     | 6,72                     | 1,51   | 2,14   | 2,25   | 0,62            |
| 553 | 12:16:56 | 0,19            | 0,24            | 0,44            | 2,18                     | 1,91                     | 6,72                     | 1,55   | 1,53   | 2,08   | 0,62            |
| 554 | 12:17:01 | 0,24            | 0,29            | 0,52            | 2,18                     | 1,91                     | 6,72                     | 1,98   | 1,26   | 1,90   | 0,74            |
| 555 | 12:17:06 | 0,15            | 0,20            | 0,38            | 2,18                     | 1,92                     | 6,72                     | 2,47   | 1,57   | 2,12   | 0,51            |
| 556 | 12:17:11 | 0,26            | 0,22            | 0,53            | 2,18                     | 1,92                     | 6,72                     | 3,06   | 2,60   | 2,89   | 0,71            |
| 557 | 12:17:16 | 0,20            | 0,13            | 0,45            | 2,18                     | 1,92                     | 6,72                     | 1,65   | 1,51   | 1,99   | 0,56            |
| 558 | 12:17:21 | 0,28            | 0,18            | 0,52            | 2,18                     | 1,92                     | 6,72                     | 2,46   | 2,45   | 2,27   | 0,70            |
| 559 | 12:17:26 | 0,26            | 0,18            | 0,50            | 2,18                     | 1,92                     | 6,72                     | 2,63   | 2,51   | 1,91   | 0,67            |
| 560 | 12:17:31 | 0,28            | 0,19            | 0,58            | 2,19                     | 1,92                     | 6,72                     | 1,36   | 2,49   | 2,63   | 0,75            |
| 561 | 12:17:36 | 0,19            | 0,18            | 0,43            | 2,19                     | 1,92                     | 6,72                     | 2,72   | 2,38   | 2,74   | 0,56            |
| 562 | 12:17:41 | 0,22            | 0,11            | 0,49            | 2,19                     | 1,92                     | 6,72                     | 2,07   | 1,43   | 1,58   | 0,60            |
| 563 | 12:17:46 | 0,14            | 0,11            | 0,31            | 2,19                     | 1,92                     | 6,72                     | 2,96   | 1,66   | 1,67   | 0,40            |
| 564 | 12:17:51 | 0,16            | 0,16            | 0,38            | 2,19                     | 1,92                     | 6,72                     | 2,92   | 2,15   | 2,66   | 0,49            |
| 565 | 12:17:56 | 0,24            | 0,13            | 0,50            | 2,19                     | 1,92                     | 6,73                     | 1,37   | 3,21   | 2,89   | 0,63            |
| 566 | 12:18:01 | 0,14            | 0,15            | 0,38            | 2,19                     | 1,92                     | 6,73                     | 1,66   | 2,12   | 2,25   | 0,47            |
| 567 | 12:18:06 | 0,19            | 0,15            | 0,51            | 2,19                     | 1,92                     | 6,73                     | 1,66   | 1,95   | 1,36   | 0,61            |
| 568 | 12:18:11 | 0,16            | 0,13            | 0,39            | 2,19                     | 1,92                     | 6,73                     | 2,32   | 2,15   | 2,51   | 0,49            |
| 569 | 12:18:16 | 0,20            | 0,17            | 0,46            | 2,19                     | 1,92                     | 6,73                     | 2,56   | 1,25   | 2,34   | 0,58            |
| 570 | 12:18:21 | 0,18            | 0,16            | 0,39            | 2,19                     | 1,92                     | 6,73                     | 1,64   | 1,66   | 1,99   | 0,51            |
| 571 | 12:18:26 | 0,30            | 0,28            | 0,56            | 2,19                     | 1,92                     | 6,73                     | 0,85   | 0,78   | 1,61   | 0,81            |
| 572 | 12:18:31 | 0,16            | 0,16            | 0,38            | 2,19                     | 1,92                     | 6,73                     | 1,42   | 2,14   | 1,62   | 0,49            |
| 573 | 12:18:36 | 0,22            | 0,22            | 0,40            | 2,19                     | 1,92                     | 6,73                     | 2,65   | 1,47   | 2,50   | 0,60            |
| 574 | 12:18:41 | 0,21            | 0,13            | 0,47            | 2,19                     | 1,92                     | 6,73                     | 2,13   | 1,24   | 2,28   | 0,58            |
| 575 | 12:18:46 | 0,20            | 0,10            | 0,40            | 2,19                     | 1,92                     | 6,73                     | 0,90   | 2,78   | 1,58   | 0,51            |
| 576 | 12:18:51 | 0,14            | 0,13            | 0,35            | 2,19                     | 1,92                     | 6,73                     | 2,91   | 3,13   | 3,30   | 0,44            |
| 577 | 12:18:56 | 0,09            | 0,17            | 0,25            | 2,19                     | 1,92                     | 6,73                     | 1,46   | 2,26   | 1,69   | 0,37            |
| 578 | 12:19:01 | 0,09            | 0,12            | 0,27            | 2,19                     | 1,93                     | 6,73                     | 2,57   | 1,48   | 2,52   | 0,34            |
| 579 | 12:19:06 | 0,11            | 0,09            | 0,24            | 2,19                     | 1,93                     | 6,73                     | 1,18   | 1,88   | 1,55   | 0,32            |
| 580 | 12:19:11 | 0,10            | 0,13            | 0,31            | 2,19                     | 1,93                     | 6,73                     | 3,50   | 2,20   | 2,68   | 0,39            |
| 581 | 12:19:16 | 0,12            | 0,18            | 0,34            | 2,19                     | 1,93                     | 6,73                     | 1,60   | 1,39   | 2,35   | 0,46            |
| 582 | 12:19:21 | 0,09            | 0,12            | 0,26            | 2,19                     | 1,93                     | 6,73                     | 2,58   | 2,06   | 2,39   | 0,34            |
| 583 | 12:19:26 | 0,15            | 0,15            | 0,31            | 2,19                     | 1,93                     | 6,73                     | 1,99   | 2,40   | 1,86   | 0,43            |
| 584 | 12:19:31 | 0,15            | 0,16            | 0,26            | 2,19                     | 1,93                     | 6,73                     | 1,02   | 1,23   | 2,31   | 0,40            |
| 585 | 12:19:36 | 0,08            | 0,09            | 0,28            | 2,19                     | 1,93                     | 6,73                     | 1,92   | 1,47   | 1,68   | 0,33            |
| 586 | 12:19:41 | 0,09            | 0,07            | 0,25            | 2,19                     | 1,93                     | 6,73                     | 1,15   | 1,91   | 1,18   | 0,30            |
| 587 | 12:19:47 | 0,10            | 0,14            | 0,28            | 2,19                     | 1,93                     | 6,73                     | 1,44   | 2,20   | 2,21   | 0,37            |
| 588 | 12:19:52 | 0,12            | 0,14            | 0,27            | 2,19                     | 1,93                     | 6,73                     | 1,27   | 2,53   | 2,34   | 0,37            |
| 589 | 12:19:57 | 0,19            | 0,18            | 0,46            | 2,19                     | 1,93                     | 6,73                     | 2,18   | 1,68   | 2,02   | 0,59            |
| 590 | 12:20:02 | 0,13            | 0,14            | 0,16            | 2,19                     | 1,93                     | 6,73                     | 1,35   | 1,12   | 1,72   | 0,31            |
| 591 | 12:20:07 | 0,06            | 0,11            | 0,15            | 2,19                     | 1,93                     | 6,73                     | 1,21   | 2,11   | 3,37   | 0,23            |
| 592 | 12:20:12 | 0,08            | 0,09            | 0,20            | 2,19                     | 1,93                     | 6,73                     | 1,60   | 1,88   | 1,57   | 0,26            |
| 593 | 12:20:17 | 0,11            | 0,13            | 0,16            | 2,19                     | 1,93                     | 6,73                     | 1,21   | 2,21   | 2,58   | 0,28            |
| 594 | 12:20:22 | 0,07            | 0,09            | 0,20            | 2,19                     | 1,93                     | 6,73                     | 1,76   | 2,60   | 1,49   | 0,25            |
| 595 | 12:20:27 | 0,09            | 0,24            | 0,22            | 2,19                     | 1,93                     | 6,73                     | 2,45   | 1,59   | 2,11   | 0,41            |
| 596 | 12:20:32 | 0,10            | 0,12            | 0,24            | 2,19                     | 1,93                     | 6,73                     | 1,87   | 1,55   | 1,80   | 0,33            |
| 597 | 12:20:37 | 0,10            | 0,11            | 0,26            | 2,19                     | 1,93                     | 6,73                     | 2,04   | 1,78   | 1,30   | 0,33            |
| 598 | 12:20:42 | 0,11            | 0,15            | 0,22            | 2,19                     | 1,93                     | 6,73                     | 1,35   | 1,63   | 1,87   | 0,34            |
| 599 | 12:20:47 | 0,10            | 0,24            | 0,19            | 2,19                     | 1,93                     | 6,73                     | 1,20   | 1,62   | 1,87   | 0,41            |
| 600 | 12:20:52 | 0,13            | 0,26            | 0,26            | 2,19                     | 1,93                     | 6,73                     | 2,15   | 1,34   | 1,36   | 0,49            |
| 601 | 12:20:57 | 0,11            | 0,21            | 0,24            | 2,19                     | 1,93                     | 6,73                     | 1,46   | 0,62   | 1,50   | 0,41            |
| 602 | 12:21:02 | 0,14            | 0,17            | 0,28            | 2,19                     | 1,93                     | 6,73                     | 1,75   | 0,87   | 2,07   | 0,41            |
| 603 | 12:21:07 | 0,16            | 0,08            | 0,22            | 2,20                     | 1,93                     | 6,73                     | 0,61   | 2,56   | 2,90   | 0,34            |
| 604 | 12:21:12 | 0,09            | 0,15            | 0,19            | 2,20                     | 1,93                     | 6,73                     | 2,45   | 2,38   | 2,49   | 0,31            |
| 605 | 12:21:17 | 0,12            | 0,14            | 0,22            | 2,20                     | 1,93                     | 6,73                     | 2,07   | 0,93   | 2,53   | 0,34            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 606 | 12:21:22 | 0,11             | 0,15             | 0,26             | 2,20                      | 1,93                      | 6,73                      | 1,83   | 2,03   | 2,55   | 0,37             |
| 607 | 12:21:27 | 0,27             | 0,11             | 0,44             | 2,20                      | 1,93                      | 6,73                      | 0,90   | 1,58   | 1,36   | 0,60             |
| 608 | 12:21:32 | 0,14             | 0,11             | 0,23             | 2,20                      | 1,93                      | 6,73                      | 1,37   | 1,38   | 2,40   | 0,34             |
| 609 | 12:21:37 | 0,16             | 0,12             | 0,33             | 2,20                      | 1,93                      | 6,73                      | 2,98   | 2,48   | 2,70   | 0,44             |
| 610 | 12:21:42 | 0,24             | 0,15             | 0,39             | 2,20                      | 1,93                      | 6,73                      | 0,81   | 2,47   | 1,57   | 0,56             |
| 611 | 12:21:47 | 0,28             | 0,13             | 0,44             | 2,21                      | 1,93                      | 6,73                      | 0,71   | 2,02   | 1,23   | 0,61             |
| 612 | 12:21:52 | 0,21             | 0,18             | 0,37             | 2,21                      | 1,94                      | 6,73                      | 2,29   | 2,55   | 1,91   | 0,54             |
| 613 | 12:21:57 | 0,27             | 0,23             | 0,45             | 2,21                      | 1,94                      | 6,73                      | 2,61   | 2,53   | 3,11   | 0,67             |
| 614 | 12:22:02 | 0,18             | 0,19             | 0,32             | 2,21                      | 1,94                      | 6,73                      | 1,79   | 1,22   | 2,47   | 0,49             |
| 615 | 12:22:07 | 0,25             | 0,20             | 0,43             | 2,21                      | 1,94                      | 6,74                      | 1,69   | 1,10   | 2,07   | 0,62             |
| 616 | 12:22:12 | 0,25             | 0,12             | 0,46             | 2,21                      | 1,94                      | 6,74                      | 1,55   | 2,28   | 1,09   | 0,61             |
| 617 | 12:22:17 | 0,21             | 0,12             | 0,32             | 2,21                      | 1,94                      | 6,74                      | 1,22   | 2,13   | 2,10   | 0,47             |
| 618 | 12:22:22 | 0,25             | 0,17             | 0,45             | 2,21                      | 1,94                      | 6,74                      | 1,64   | 3,33   | 1,60   | 0,62             |
| 619 | 12:22:27 | 0,16             | 0,16             | 0,29             | 2,21                      | 1,94                      | 6,74                      | 2,32   | 1,13   | 2,63   | 0,43             |
| 620 | 12:22:32 | 0,18             | 0,13             | 0,40             | 2,21                      | 1,94                      | 6,74                      | 1,96   | 2,12   | 1,97   | 0,51             |
| 621 | 12:22:37 | 0,17             | 0,12             | 0,35             | 2,21                      | 1,94                      | 6,74                      | 1,64   | 1,76   | 2,04   | 0,46             |
| 622 | 12:22:42 | 0,16             | 0,14             | 0,33             | 2,21                      | 1,94                      | 6,74                      | 1,39   | 1,77   | 1,71   | 0,45             |
| 623 | 12:22:47 | 0,19             | 0,11             | 0,36             | 2,21                      | 1,94                      | 6,74                      | 3,23   | 2,50   | 3,63   | 0,48             |
| 624 | 12:22:52 | 0,10             | 0,12             | 0,28             | 2,21                      | 1,94                      | 6,74                      | 1,71   | 1,95   | 1,42   | 0,36             |
| 625 | 12:22:57 | 0,16             | 0,17             | 0,36             | 2,21                      | 1,94                      | 6,74                      | 2,02   | 1,31   | 3,15   | 0,49             |
| 626 | 12:23:02 | 0,38             | 0,16             | 0,59             | 2,22                      | 1,94                      | 6,74                      | 0,92   | 0,94   | 0,91   | 0,82             |
| 627 | 12:23:07 | 0,29             | 0,10             | 0,46             | 2,22                      | 1,94                      | 6,74                      | 0,93   | 2,03   | 1,15   | 0,63             |
| 628 | 12:23:12 | 0,15             | 0,13             | 0,32             | 2,22                      | 1,94                      | 6,74                      | 1,12   | 0,90   | 1,40   | 0,43             |
| 629 | 12:23:17 | 0,17             | 0,16             | 0,30             | 2,22                      | 1,94                      | 6,74                      | 0,70   | 1,19   | 1,43   | 0,45             |
| 630 | 12:23:22 | 0,13             | 0,13             | 0,29             | 2,22                      | 1,94                      | 6,74                      | 1,94   | 1,75   | 2,35   | 0,39             |
| 631 | 12:23:27 | 0,14             | 0,08             | 0,24             | 2,22                      | 1,94                      | 6,74                      | 1,75   | 2,32   | 2,65   | 0,33             |
| 632 | 12:23:32 | 0,11             | 0,15             | 0,26             | 2,22                      | 1,94                      | 6,74                      | 2,80   | 2,41   | 2,55   | 0,37             |
| 633 | 12:23:37 | 0,15             | 0,17             | 0,30             | 2,22                      | 1,94                      | 6,74                      | 2,93   | 1,92   | 3,06   | 0,43             |
| 634 | 12:23:42 | 0,11             | 0,17             | 0,18             | 2,22                      | 1,94                      | 6,74                      | 1,28   | 1,95   | 1,72   | 0,34             |
| 635 | 12:23:47 | 0,10             | 0,09             | 0,25             | 2,22                      | 1,94                      | 6,74                      | 1,32   | 1,94   | 1,52   | 0,31             |
| 636 | 12:23:52 | 0,11             | 0,24             | 0,21             | 2,22                      | 1,94                      | 6,74                      | 2,27   | 0,89   | 2,91   | 0,43             |
| 637 | 12:23:57 | 0,25             | 0,22             | 0,42             | 2,22                      | 1,94                      | 6,74                      | 2,56   | 3,60   | 3,04   | 0,63             |
| 638 | 12:24:02 | 0,19             | 0,16             | 0,42             | 2,22                      | 1,95                      | 6,74                      | 1,61   | 1,19   | 1,86   | 0,55             |
| 639 | 12:24:07 | 0,14             | 0,09             | 0,36             | 2,22                      | 1,95                      | 6,74                      | 2,06   | 2,15   | 3,25   | 0,44             |
| 640 | 12:24:12 | 0,14             | 0,12             | 0,38             | 2,22                      | 1,95                      | 6,74                      | 1,46   | 2,59   | 1,82   | 0,46             |
| 641 | 12:24:17 | 0,16             | 0,09             | 0,36             | 2,22                      | 1,95                      | 6,74                      | 2,01   | 2,07   | 4,12   | 0,45             |
| 642 | 12:24:22 | 0,18             | 0,13             | 0,39             | 2,22                      | 1,95                      | 6,74                      | 1,49   | 1,41   | 3,44   | 0,50             |
| 643 | 12:24:27 | 0,10             | 0,12             | 0,28             | 2,22                      | 1,95                      | 6,74                      | 1,92   | 1,72   | 1,81   | 0,35             |
| 644 | 12:24:32 | 0,13             | 0,13             | 0,39             | 2,22                      | 1,95                      | 6,74                      | 2,20   | 1,66   | 2,40   | 0,47             |
| 645 | 12:24:37 | 0,15             | 0,18             | 0,50             | 2,22                      | 1,95                      | 6,74                      | 3,20   | 1,16   | 1,92   | 0,60             |
| 646 | 12:24:42 | 0,18             | 0,23             | 0,50             | 2,22                      | 1,95                      | 6,74                      | 1,75   | 1,37   | 2,12   | 0,64             |
| 647 | 12:24:47 | 0,22             | 0,17             | 0,46             | 2,22                      | 1,95                      | 6,74                      | 1,50   | 1,27   | 3,21   | 0,60             |
| 648 | 12:24:52 | 0,25             | 0,15             | 0,55             | 2,23                      | 1,95                      | 6,74                      | 1,65   | 1,69   | 1,64   | 0,69             |
| 649 | 12:24:57 | 0,21             | 0,13             | 0,52             | 2,23                      | 1,95                      | 6,75                      | 0,90   | 2,47   | 1,33   | 0,62             |
| 650 | 12:25:02 | 0,13             | 0,13             | 0,35             | 2,23                      | 1,95                      | 6,75                      | 2,56   | 1,83   | 1,62   | 0,44             |
| 651 | 12:25:07 | 0,18             | 0,17             | 0,52             | 2,23                      | 1,95                      | 6,75                      | 1,35   | 0,96   | 1,19   | 0,62             |
| 652 | 12:25:12 | 0,11             | 0,12             | 0,32             | 2,23                      | 1,95                      | 6,75                      | 1,88   | 2,25   | 1,99   | 0,40             |
| 653 | 12:25:17 | 0,13             | 0,09             | 0,28             | 2,23                      | 1,95                      | 6,75                      | 2,41   | 2,46   | 2,57   | 0,36             |
| 654 | 12:25:22 | 0,11             | 0,07             | 0,29             | 2,23                      | 1,95                      | 6,75                      | 2,59   | 2,96   | 3,67   | 0,34             |
| 655 | 12:25:27 | 0,15             | 0,13             | 0,32             | 2,23                      | 1,95                      | 6,75                      | 2,59   | 2,27   | 2,82   | 0,42             |
| 656 | 12:25:32 | 0,15             | 0,11             | 0,33             | 2,23                      | 1,95                      | 6,75                      | 1,24   | 1,20   | 1,40   | 0,42             |
| 657 | 12:25:37 | 0,17             | 0,18             | 0,38             | 2,23                      | 1,95                      | 6,75                      | 1,97   | 2,66   | 3,14   | 0,51             |
| 658 | 12:25:42 | 0,17             | 0,14             | 0,39             | 2,23                      | 1,95                      | 6,75                      | 2,01   | 1,81   | 2,02   | 0,50             |
| 659 | 12:25:47 | 0,16             | 0,08             | 0,33             | 2,23                      | 1,95                      | 6,75                      | 1,42   | 1,85   | 1,83   | 0,41             |
| 660 | 12:25:52 | 0,12             | 0,16             | 0,36             | 2,23                      | 1,95                      | 6,75                      | 1,95   | 1,78   | 2,98   | 0,46             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 661 | 12:25:57 | 0,18            | 0,14            | 0,45            | 2,23                     | 1,95                     | 6,75                     | 2,29   | 1,49   | 3,29   | 0,55            |
| 662 | 12:26:02 | 0,21            | 0,16            | 0,40            | 2,23                     | 1,95                     | 6,75                     | 2,10   | 1,69   | 1,43   | 0,55            |
| 663 | 12:26:07 | 0,13            | 0,17            | 0,32            | 2,23                     | 1,95                     | 6,75                     | 1,39   | 0,74   | 2,98   | 0,43            |
| 664 | 12:26:12 | 0,08            | 0,13            | 0,27            | 2,23                     | 1,95                     | 6,75                     | 1,20   | 1,01   | 1,47   | 0,35            |
| 665 | 12:26:17 | 0,14            | 0,15            | 0,30            | 2,23                     | 1,95                     | 6,75                     | 1,55   | 0,91   | 2,13   | 0,41            |
| 666 | 12:26:22 | 0,12            | 0,09            | 0,26            | 2,23                     | 1,95                     | 6,75                     | 1,51   | 3,27   | 2,31   | 0,33            |
| 667 | 12:26:27 | 0,10            | 0,20            | 0,33            | 2,23                     | 1,95                     | 6,75                     | 1,96   | 2,91   | 2,02   | 0,45            |
| 668 | 12:26:32 | 0,21            | 0,16            | 0,36            | 2,23                     | 1,95                     | 6,75                     | 1,44   | 1,28   | 3,49   | 0,52            |
| 669 | 12:26:37 | 0,12            | 0,15            | 0,34            | 2,23                     | 1,95                     | 6,75                     | 2,11   | 2,17   | 1,98   | 0,43            |
| 670 | 12:26:42 | 0,10            | 0,13            | 0,34            | 2,23                     | 1,95                     | 6,75                     | 2,11   | 2,43   | 1,53   | 0,41            |
| 671 | 12:26:47 | 0,10            | 0,11            | 0,30            | 2,23                     | 1,95                     | 6,75                     | 2,08   | 2,14   | 2,92   | 0,36            |
| 672 | 12:26:52 | 0,21            | 0,11            | 0,36            | 2,23                     | 1,95                     | 6,75                     | 1,99   | 2,26   | 2,28   | 0,49            |
| 673 | 12:26:57 | 0,19            | 0,14            | 0,45            | 2,23                     | 1,95                     | 6,75                     | 1,81   | 1,68   | 1,96   | 0,56            |
| 674 | 12:27:02 | 0,11            | 0,12            | 0,39            | 2,23                     | 1,95                     | 6,75                     | 3,86   | 2,65   | 3,19   | 0,45            |
| 675 | 12:27:07 | 0,09            | 0,17            | 0,33            | 2,23                     | 1,95                     | 6,75                     | 3,14   | 1,86   | 2,90   | 0,43            |
| 676 | 12:27:13 | 0,15            | 0,12            | 0,41            | 2,23                     | 1,95                     | 6,75                     | 3,14   | 2,76   | 3,05   | 0,49            |
| 677 | 12:27:18 | 0,15            | 0,09            | 0,39            | 2,23                     | 1,95                     | 6,75                     | 2,18   | 2,71   | 1,92   | 0,46            |
| 678 | 12:27:23 | 0,19            | 0,17            | 0,52            | 2,23                     | 1,95                     | 6,75                     | 2,96   | 1,31   | 2,64   | 0,63            |
| 679 | 12:27:28 | 0,24            | 0,17            | 0,62            | 2,23                     | 1,95                     | 6,75                     | 1,40   | 1,93   | 2,33   | 0,75            |
| 680 | 12:27:33 | 0,10            | 0,16            | 0,49            | 2,23                     | 1,95                     | 6,75                     | 2,39   | 1,59   | 1,46   | 0,55            |
| 681 | 12:27:38 | 0,28            | 0,20            | 0,64            | 2,23                     | 1,96                     | 6,76                     | 2,84   | 2,63   | 2,26   | 0,79            |
| 682 | 12:27:43 | 0,51            | 0,27            | 0,74            | 2,25                     | 1,96                     | 6,76                     | 2,29   | 1,38   | 2,41   | 1,10            |
| 683 | 12:27:48 | 0,14            | 0,14            | 0,35            | 2,25                     | 1,96                     | 6,76                     | 1,76   | 2,23   | 2,61   | 0,44            |
| 684 | 12:27:53 | 0,28            | 0,22            | 0,59            | 2,25                     | 1,96                     | 6,76                     | 1,17   | 1,16   | 1,85   | 0,77            |
| 685 | 12:27:58 | 0,41            | 0,19            | 0,63            | 2,27                     | 1,96                     | 6,77                     | 0,41   | 1,62   | 1,43   | 0,90            |
| 686 | 12:28:03 | 0,15            | 0,22            | 0,32            | 2,27                     | 1,96                     | 6,77                     | 3,63   | 1,62   | 2,51   | 0,49            |
| 687 | 12:28:08 | 0,14            | 0,12            | 0,36            | 2,27                     | 1,96                     | 6,77                     | 1,06   | 2,34   | 1,76   | 0,44            |
| 688 | 12:28:13 | 0,13            | 0,13            | 0,40            | 2,27                     | 1,96                     | 6,77                     | 1,74   | 2,30   | 2,25   | 0,48            |
| 689 | 12:28:18 | 0,20            | 0,13            | 0,37            | 2,27                     | 1,96                     | 6,77                     | 1,03   | 2,35   | 1,23   | 0,50            |
| 690 | 12:28:23 | 0,17            | 0,11            | 0,38            | 2,27                     | 1,96                     | 6,77                     | 0,85   | 1,79   | 2,25   | 0,47            |
| 691 | 12:28:28 | 0,15            | 0,12            | 0,44            | 2,27                     | 1,96                     | 6,77                     | 1,87   | 1,13   | 2,92   | 0,52            |
| 692 | 12:28:33 | 0,23            | 0,14            | 0,46            | 2,27                     | 1,96                     | 6,77                     | 2,86   | 1,22   | 2,29   | 0,59            |
| 693 | 12:28:38 | 0,12            | 0,12            | 0,29            | 2,27                     | 1,96                     | 6,77                     | 2,57   | 1,77   | 2,28   | 0,38            |
| 694 | 12:28:43 | 0,22            | 0,13            | 0,46            | 2,27                     | 1,96                     | 6,77                     | 2,17   | 3,31   | 2,16   | 0,58            |
| 695 | 12:28:48 | 0,23            | 0,16            | 0,38            | 2,27                     | 1,96                     | 6,77                     | 0,85   | 1,54   | 1,23   | 0,55            |
| 696 | 12:28:53 | 0,20            | 0,17            | 0,38            | 2,27                     | 1,96                     | 6,77                     | 1,46   | 1,45   | 2,22   | 0,53            |
| 697 | 12:28:58 | 0,10            | 0,13            | 0,28            | 2,27                     | 1,96                     | 6,77                     | 2,33   | 1,53   | 2,19   | 0,37            |
| 698 | 12:29:03 | 0,40            | 0,25            | 0,66            | 2,28                     | 1,96                     | 6,77                     | 0,70   | 1,87   | 1,10   | 0,94            |
| 699 | 12:29:08 | 0,15            | 0,17            | 0,29            | 2,28                     | 1,96                     | 6,77                     | 1,44   | 0,85   | 2,53   | 0,42            |
| 700 | 12:29:13 | 0,27            | 0,21            | 0,55            | 2,29                     | 1,96                     | 6,77                     | 1,41   | 0,77   | 1,49   | 0,73            |
| 701 | 12:29:18 | 0,24            | 0,21            | 0,40            | 2,29                     | 1,96                     | 6,77                     | 0,71   | 0,93   | 1,34   | 0,60            |
| 702 | 12:29:23 | 0,23            | 0,11            | 0,42            | 2,29                     | 1,96                     | 6,77                     | 1,00   | 1,50   | 1,64   | 0,54            |
| 703 | 12:29:28 | 0,12            | 0,19            | 0,32            | 2,29                     | 1,96                     | 6,77                     | 2,74   | 2,31   | 1,72   | 0,45            |
| 704 | 12:29:33 | 0,28            | 0,16            | 0,45            | 2,29                     | 1,96                     | 6,77                     | 1,24   | 1,80   | 1,49   | 0,63            |
| 705 | 12:29:38 | 0,14            | 0,13            | 0,32            | 2,29                     | 1,96                     | 6,77                     | 2,19   | 1,21   | 3,94   | 0,41            |
| 706 | 12:29:43 | 0,12            | 0,15            | 0,30            | 2,29                     | 1,97                     | 6,77                     | 3,93   | 1,62   | 2,91   | 0,40            |
| 707 | 12:29:48 | 0,29            | 0,13            | 0,55            | 2,29                     | 1,97                     | 6,78                     | 1,18   | 1,63   | 2,01   | 0,71            |
| 708 | 12:29:53 | 0,16            | 0,15            | 0,37            | 2,29                     | 1,97                     | 6,78                     | 1,65   | 1,33   | 1,64   | 0,49            |
| 709 | 12:29:58 | 0,16            | 0,10            | 0,34            | 2,29                     | 1,97                     | 6,78                     | 2,25   | 1,28   | 2,75   | 0,43            |
| 710 | 12:30:03 | 0,14            | 0,10            | 0,33            | 2,29                     | 1,97                     | 6,78                     | 1,60   | 1,74   | 1,82   | 0,42            |
| 711 | 12:30:08 | 0,13            | 0,14            | 0,30            | 2,29                     | 1,97                     | 6,78                     | 2,93   | 2,15   | 3,30   | 0,40            |
| 712 | 12:30:13 | 0,14            | 0,10            | 0,37            | 2,29                     | 1,97                     | 6,78                     | 1,65   | 0,95   | 1,84   | 0,44            |
| 713 | 12:30:18 | 0,21            | 0,12            | 0,36            | 2,29                     | 1,97                     | 6,78                     | 2,20   | 2,51   | 2,72   | 0,49            |
| 714 | 12:30:23 | 0,13            | 0,13            | 0,35            | 2,29                     | 1,97                     | 6,78                     | 1,68   | 1,59   | 1,92   | 0,43            |
| 715 | 12:30:28 | 0,20            | 0,13            | 0,34            | 2,30                     | 1,97                     | 6,78                     | 1,81   | 1,93   | 1,98   | 0,47            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 716 | 12:30:33 | 0,25             | 0,10             | 0,49             | 2,30                      | 1,97                      | 6,78                      | 1,79   | 1,34   | 1,68   | 0,62             |
| 717 | 12:30:38 | 0,18             | 0,14             | 0,36             | 2,30                      | 1,97                      | 6,78                      | 0,94   | 1,46   | 1,60   | 0,48             |
| 718 | 12:30:43 | 0,17             | 0,14             | 0,39             | 2,30                      | 1,97                      | 6,78                      | 2,78   | 2,11   | 4,08   | 0,49             |
| 719 | 12:30:48 | 0,19             | 0,19             | 0,31             | 2,30                      | 1,97                      | 6,78                      | 1,11   | 0,84   | 1,46   | 0,48             |
| 720 | 12:30:53 | 0,34             | 0,15             | 0,65             | 2,30                      | 1,97                      | 6,78                      | 2,55   | 1,45   | 3,02   | 0,83             |
| 721 | 12:30:58 | 0,21             | 0,15             | 0,35             | 2,30                      | 1,97                      | 6,78                      | 3,34   | 1,97   | 3,63   | 0,50             |
| 722 | 12:31:03 | 0,22             | 0,17             | 0,38             | 2,30                      | 1,97                      | 6,78                      | 1,51   | 1,37   | 1,55   | 0,55             |
| 723 | 12:31:08 | 0,23             | 0,12             | 0,41             | 2,30                      | 1,97                      | 6,78                      | 1,56   | 2,25   | 2,63   | 0,54             |
| 724 | 12:31:13 | 0,28             | 0,20             | 0,49             | 2,30                      | 1,97                      | 6,78                      | 1,84   | 1,86   | 2,02   | 0,69             |
| 725 | 12:31:18 | 0,16             | 0,16             | 0,33             | 2,30                      | 1,97                      | 6,78                      | 0,95   | 1,33   | 2,10   | 0,45             |
| 726 | 12:31:23 | 0,15             | 0,17             | 0,35             | 2,31                      | 1,97                      | 6,78                      | 2,23   | 1,54   | 2,37   | 0,47             |
| 727 | 12:31:28 | 0,16             | 0,19             | 0,42             | 2,31                      | 1,97                      | 6,78                      | 2,20   | 1,86   | 2,58   | 0,54             |
| 728 | 12:31:33 | 0,16             | 0,18             | 0,36             | 2,31                      | 1,97                      | 6,78                      | 1,60   | 1,45   | 2,28   | 0,49             |
| 729 | 12:31:38 | 0,14             | 0,14             | 0,34             | 2,31                      | 1,97                      | 6,78                      | 1,66   | 1,94   | 2,43   | 0,44             |
| 730 | 12:31:43 | 0,32             | 0,08             | 0,51             | 2,31                      | 1,97                      | 6,78                      | 2,64   | 2,40   | 3,08   | 0,69             |
| 731 | 12:31:48 | 0,24             | 0,13             | 0,43             | 2,31                      | 1,97                      | 6,79                      | 1,19   | 2,16   | 2,19   | 0,57             |
| 732 | 12:31:53 | 0,13             | 0,14             | 0,31             | 2,31                      | 1,97                      | 6,79                      | 1,33   | 1,79   | 1,65   | 0,40             |
| 733 | 12:31:58 | 0,21             | 0,15             | 0,50             | 2,31                      | 1,97                      | 6,79                      | 4,46   | 2,23   | 3,14   | 0,62             |
| 734 | 12:32:03 | 0,37             | 0,15             | 0,56             | 2,32                      | 1,97                      | 6,79                      | 0,76   | 1,37   | 1,25   | 0,79             |
| 735 | 12:32:08 | 0,15             | 0,13             | 0,32             | 2,32                      | 1,97                      | 6,79                      | 1,51   | 2,39   | 1,65   | 0,42             |
| 736 | 12:32:13 | 0,25             | 0,14             | 0,43             | 2,32                      | 1,97                      | 6,79                      | 2,66   | 2,04   | 2,41   | 0,59             |
| 737 | 12:32:18 | 0,14             | 0,14             | 0,27             | 2,32                      | 1,97                      | 6,79                      | 1,04   | 1,16   | 2,09   | 0,39             |
| 738 | 12:32:23 | 0,18             | 0,15             | 0,40             | 2,32                      | 1,97                      | 6,79                      | 1,43   | 2,48   | 1,96   | 0,51             |
| 739 | 12:32:28 | 0,14             | 0,10             | 0,31             | 2,32                      | 1,97                      | 6,79                      | 1,18   | 1,76   | 1,55   | 0,39             |
| 740 | 12:32:33 | 0,14             | 0,12             | 0,31             | 2,32                      | 1,97                      | 6,79                      | 1,96   | 1,83   | 1,77   | 0,40             |
| 741 | 12:32:38 | 0,20             | 0,14             | 0,34             | 2,32                      | 1,97                      | 6,79                      | 2,03   | 2,97   | 2,12   | 0,48             |
| 742 | 12:32:43 | 0,23             | 0,12             | 0,38             | 2,32                      | 1,97                      | 6,79                      | 0,98   | 2,53   | 2,02   | 0,53             |
| 743 | 12:32:48 | 0,17             | 0,18             | 0,41             | 2,32                      | 1,97                      | 6,79                      | 2,02   | 2,23   | 3,87   | 0,54             |
| 744 | 12:32:53 | 0,40             | 0,16             | 0,74             | 2,33                      | 1,97                      | 6,79                      | 1,99   | 1,42   | 1,85   | 0,96             |
| 745 | 12:32:58 | 0,24             | 0,16             | 0,44             | 2,34                      | 1,97                      | 6,79                      | 1,40   | 1,28   | 1,99   | 0,60             |
| 746 | 12:33:03 | 0,30             | 0,16             | 0,46             | 2,34                      | 1,97                      | 6,80                      | 2,54   | 1,39   | 2,26   | 0,66             |
| 747 | 12:33:09 | 0,33             | 0,24             | 0,51             | 2,34                      | 1,97                      | 6,80                      | 1,90   | 2,90   | 2,22   | 0,76             |
| 748 | 12:33:14 | 0,35             | 0,17             | 0,63             | 2,34                      | 1,98                      | 6,80                      | 1,78   | 2,03   | 2,52   | 0,84             |
| 749 | 12:33:19 | 0,21             | 0,20             | 0,43             | 2,34                      | 1,98                      | 6,80                      | 1,61   | 2,14   | 1,23   | 0,59             |
| 750 | 12:33:24 | 0,46             | 0,23             | 0,83             | 2,36                      | 1,98                      | 6,80                      | 1,71   | 2,68   | 1,64   | 1,10             |
| 751 | 12:33:29 | 0,49             | 0,23             | 0,82             | 2,37                      | 1,98                      | 6,81                      | 2,61   | 2,38   | 3,06   | 1,12             |
| 752 | 12:33:34 | 0,40             | 0,19             | 0,76             | 2,39                      | 1,98                      | 6,81                      | 2,00   | 2,36   | 1,87   | 0,99             |
| 753 | 12:33:40 | 0,33             | 0,21             | 0,57             | 2,39                      | 1,98                      | 6,81                      | 3,07   | 1,43   | 3,14   | 0,79             |
| 754 | 12:33:45 | 0,27             | 0,20             | 0,72             | 2,39                      | 1,98                      | 6,82                      | 0,95   | 1,90   | 1,09   | 0,86             |
| 755 | 12:33:50 | 0,20             | 0,11             | 0,46             | 2,39                      | 1,98                      | 6,82                      | 2,17   | 2,48   | 2,67   | 0,56             |
| 756 | 12:33:55 | 0,23             | 0,14             | 0,48             | 2,39                      | 1,98                      | 6,82                      | 1,54   | 2,72   | 1,39   | 0,61             |
| 757 | 12:34:00 | 0,24             | 0,15             | 0,52             | 2,39                      | 1,98                      | 6,82                      | 2,41   | 2,57   | 2,08   | 0,66             |
| 758 | 12:34:05 | 0,17             | 0,12             | 0,36             | 2,39                      | 1,98                      | 6,82                      | 1,71   | 2,38   | 2,27   | 0,46             |
| 759 | 12:34:10 | 0,35             | 0,15             | 0,61             | 2,40                      | 1,98                      | 6,82                      | 1,81   | 1,63   | 2,02   | 0,81             |
| 760 | 12:34:15 | 0,24             | 0,18             | 0,43             | 2,40                      | 1,98                      | 6,82                      | 1,01   | 2,00   | 2,12   | 0,60             |
| 761 | 12:34:20 | 0,26             | 0,20             | 0,53             | 2,40                      | 1,98                      | 6,82                      | 1,54   | 1,84   | 1,39   | 0,70             |
| 762 | 12:34:25 | 0,21             | 0,20             | 0,41             | 2,40                      | 1,98                      | 6,82                      | 1,73   | 1,38   | 2,00   | 0,57             |
| 763 | 12:34:30 | 0,27             | 0,14             | 0,48             | 2,40                      | 1,98                      | 6,82                      | 0,54   | 2,04   | 0,82   | 0,65             |
| 764 | 12:34:35 | 0,11             | 0,10             | 0,27             | 2,40                      | 1,98                      | 6,82                      | 1,27   | 2,23   | 3,02   | 0,34             |
| 765 | 12:34:40 | 0,14             | 0,15             | 0,31             | 2,40                      | 1,98                      | 6,82                      | 2,12   | 2,48   | 3,06   | 0,42             |
| 766 | 12:34:45 | 0,16             | 0,11             | 0,35             | 2,40                      | 1,98                      | 6,82                      | 2,42   | 3,23   | 4,46   | 0,44             |
| 767 | 12:34:50 | 0,13             | 0,19             | 0,24             | 2,40                      | 1,98                      | 6,82                      | 2,32   | 1,52   | 3,26   | 0,41             |
| 768 | 12:34:55 | 0,14             | 0,21             | 0,31             | 2,40                      | 1,98                      | 6,82                      | 2,97   | 2,92   | 2,86   | 0,47             |
| 769 | 12:35:00 | 0,15             | 0,23             | 0,45             | 2,40                      | 1,99                      | 6,82                      | 1,47   | 1,59   | 1,66   | 0,59             |
| 770 | 12:35:05 | 0,20             | 0,15             | 0,43             | 2,40                      | 1,99                      | 6,82                      | 1,58   | 1,35   | 2,72   | 0,55             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 771 | 12:35:10 | 0,15            | 0,11            | 0,34            | 2,40                     | 1,99                     | 6,82                     | 1,53   | 2,27   | 1,46   | 0,43            |
| 772 | 12:35:15 | 0,22            | 0,18            | 0,50            | 2,40                     | 1,99                     | 6,83                     | 2,35   | 2,61   | 1,99   | 0,64            |
| 773 | 12:35:20 | 0,15            | 0,19            | 0,37            | 2,40                     | 1,99                     | 6,83                     | 1,81   | 1,84   | 2,25   | 0,50            |
| 774 | 12:35:25 | 0,26            | 0,21            | 0,50            | 2,40                     | 1,99                     | 6,83                     | 1,10   | 0,77   | 1,34   | 0,68            |
| 775 | 12:35:30 | 0,25            | 0,23            | 0,57            | 2,41                     | 1,99                     | 6,83                     | 2,15   | 1,39   | 2,34   | 0,74            |
| 776 | 12:35:35 | 0,19            | 0,21            | 0,50            | 2,41                     | 1,99                     | 6,83                     | 1,78   | 1,81   | 2,87   | 0,63            |
| 777 | 12:35:40 | 0,37            | 0,19            | 0,64            | 2,41                     | 1,99                     | 6,83                     | 1,22   | 1,24   | 1,38   | 0,87            |
| 778 | 12:35:45 | 0,23            | 0,23            | 0,53            | 2,41                     | 1,99                     | 6,83                     | 2,09   | 1,93   | 2,13   | 0,70            |
| 779 | 12:35:50 | 0,22            | 0,24            | 0,52            | 2,41                     | 1,99                     | 6,83                     | 2,09   | 1,32   | 1,86   | 0,69            |
| 780 | 12:35:55 | 0,23            | 0,13            | 0,54            | 2,41                     | 1,99                     | 6,83                     | 1,43   | 2,60   | 2,49   | 0,65            |
| 781 | 12:36:00 | 0,24            | 0,22            | 0,59            | 2,41                     | 1,99                     | 6,83                     | 1,36   | 1,32   | 1,51   | 0,74            |
| 782 | 12:36:05 | 0,22            | 0,13            | 0,53            | 2,41                     | 1,99                     | 6,84                     | 1,93   | 2,13   | 1,89   | 0,64            |
| 783 | 12:36:10 | 0,16            | 0,17            | 0,42            | 2,41                     | 1,99                     | 6,84                     | 2,47   | 1,25   | 2,35   | 0,53            |
| 784 | 12:36:15 | 0,16            | 0,11            | 0,38            | 2,41                     | 1,99                     | 6,84                     | 1,64   | 1,02   | 1,61   | 0,47            |
| 785 | 12:36:20 | 0,20            | 0,15            | 0,39            | 2,42                     | 1,99                     | 6,84                     | 1,80   | 2,15   | 1,52   | 0,52            |
| 786 | 12:36:25 | 0,09            | 0,10            | 0,31            | 2,42                     | 1,99                     | 6,84                     | 1,52   | 1,30   | 2,56   | 0,36            |
| 787 | 12:36:30 | 0,17            | 0,14            | 0,37            | 2,42                     | 1,99                     | 6,84                     | 2,52   | 1,83   | 2,35   | 0,48            |
| 788 | 12:36:35 | 0,18            | 0,11            | 0,40            | 2,42                     | 1,99                     | 6,84                     | 1,24   | 2,07   | 1,64   | 0,50            |
| 789 | 12:36:40 | 0,20            | 0,15            | 0,44            | 2,42                     | 2,00                     | 6,84                     | 0,83   | 1,71   | 1,28   | 0,56            |
| 790 | 12:36:45 | 0,17            | 0,17            | 0,43            | 2,42                     | 2,00                     | 6,84                     | 3,05   | 1,54   | 3,12   | 0,55            |
| 791 | 12:36:50 | 0,15            | 0,18            | 0,37            | 2,42                     | 2,00                     | 6,84                     | 1,58   | 1,28   | 2,60   | 0,50            |
| 792 | 12:36:55 | 0,16            | 0,17            | 0,41            | 2,42                     | 2,00                     | 6,84                     | 0,93   | 2,30   | 1,59   | 0,53            |
| 793 | 12:37:00 | 0,19            | 0,12            | 0,44            | 2,42                     | 2,00                     | 6,84                     | 1,52   | 1,97   | 1,44   | 0,54            |
| 794 | 12:37:05 | 0,14            | 0,18            | 0,35            | 2,42                     | 2,00                     | 6,84                     | 1,89   | 2,52   | 3,80   | 0,47            |
| 795 | 12:37:10 | 0,19            | 0,11            | 0,43            | 2,42                     | 2,00                     | 6,84                     | 1,91   | 2,97   | 2,23   | 0,53            |
| 796 | 12:37:15 | 0,16            | 0,27            | 0,37            | 2,42                     | 2,00                     | 6,84                     | 2,70   | 2,57   | 4,03   | 0,58            |
| 797 | 12:37:20 | 0,20            | 0,17            | 0,49            | 2,42                     | 2,00                     | 6,84                     | 3,51   | 3,03   | 2,64   | 0,61            |
| 798 | 12:37:25 | 0,24            | 0,14            | 0,54            | 2,42                     | 2,00                     | 6,84                     | 1,24   | 1,43   | 1,18   | 0,67            |
| 799 | 12:37:30 | 0,18            | 0,23            | 0,44            | 2,42                     | 2,00                     | 6,84                     | 1,59   | 1,79   | 1,89   | 0,60            |
| 800 | 12:37:35 | 0,25            | 0,15            | 0,53            | 2,42                     | 2,00                     | 6,84                     | 0,83   | 1,67   | 0,96   | 0,67            |
| 801 | 12:37:40 | 0,26            | 0,19            | 0,53            | 2,42                     | 2,00                     | 6,84                     | 0,95   | 0,80   | 1,01   | 0,70            |
| 802 | 12:37:45 | 0,19            | 0,16            | 0,45            | 2,42                     | 2,00                     | 6,84                     | 1,73   | 1,55   | 1,97   | 0,57            |
| 803 | 12:37:50 | 0,19            | 0,12            | 0,48            | 2,42                     | 2,00                     | 6,85                     | 2,05   | 1,97   | 2,06   | 0,57            |
| 804 | 12:37:55 | 0,35            | 0,18            | 0,70            | 2,43                     | 2,00                     | 6,85                     | 1,76   | 2,44   | 2,59   | 0,89            |
| 805 | 12:38:00 | 0,28            | 0,23            | 0,61            | 2,43                     | 2,00                     | 6,85                     | 1,65   | 1,76   | 2,30   | 0,79            |
| 806 | 12:38:05 | 0,30            | 0,18            | 0,63            | 2,43                     | 2,00                     | 6,85                     | 2,01   | 2,75   | 1,77   | 0,80            |
| 807 | 12:38:10 | 0,15            | 0,14            | 0,31            | 2,43                     | 2,00                     | 6,85                     | 1,46   | 1,08   | 2,57   | 0,42            |
| 808 | 12:38:15 | 0,15            | 0,10            | 0,36            | 2,43                     | 2,00                     | 6,85                     | 2,30   | 2,32   | 2,94   | 0,44            |
| 809 | 12:38:20 | 0,20            | 0,15            | 0,49            | 2,43                     | 2,00                     | 6,85                     | 1,91   | 2,21   | 2,29   | 0,60            |
| 810 | 12:38:25 | 0,14            | 0,13            | 0,33            | 2,43                     | 2,00                     | 6,85                     | 1,23   | 2,68   | 1,97   | 0,42            |
| 811 | 12:38:30 | 0,17            | 0,17            | 0,38            | 2,43                     | 2,00                     | 6,85                     | 2,97   | 2,37   | 2,32   | 0,50            |
| 812 | 12:38:35 | 0,23            | 0,20            | 0,41            | 2,43                     | 2,00                     | 6,85                     | 1,88   | 1,85   | 3,17   | 0,59            |
| 813 | 12:38:40 | 0,24            | 0,16            | 0,49            | 2,43                     | 2,00                     | 6,85                     | 1,32   | 1,45   | 0,81   | 0,64            |
| 814 | 12:38:45 | 0,22            | 0,21            | 0,49            | 2,43                     | 2,01                     | 6,86                     | 2,22   | 2,14   | 2,91   | 0,65            |
| 815 | 12:38:50 | 0,27            | 0,32            | 0,61            | 2,43                     | 2,01                     | 6,86                     | 1,66   | 1,25   | 2,16   | 0,84            |
| 816 | 12:38:55 | 0,22            | 0,17            | 0,49            | 2,43                     | 2,01                     | 6,86                     | 2,04   | 2,04   | 2,48   | 0,62            |
| 817 | 12:39:00 | 0,21            | 0,24            | 0,44            | 2,44                     | 2,01                     | 6,86                     | 1,51   | 2,73   | 2,14   | 0,62            |
| 818 | 12:39:05 | 0,20            | 0,16            | 0,53            | 2,44                     | 2,01                     | 6,86                     | 2,84   | 1,74   | 1,97   | 0,64            |
| 819 | 12:39:10 | 0,22            | 0,15            | 0,46            | 2,44                     | 2,01                     | 6,86                     | 1,48   | 1,60   | 1,74   | 0,59            |
| 820 | 12:39:15 | 0,22            | 0,20            | 0,52            | 2,44                     | 2,01                     | 6,86                     | 2,14   | 3,31   | 3,88   | 0,66            |
| 821 | 12:39:20 | 0,29            | 0,24            | 0,46            | 2,44                     | 2,02                     | 6,86                     | 1,17   | 2,58   | 2,17   | 0,70            |
| 822 | 12:39:25 | 0,15            | 0,20            | 0,43            | 2,44                     | 2,02                     | 6,86                     | 2,25   | 3,34   | 4,48   | 0,55            |
| 823 | 12:39:30 | 0,26            | 0,23            | 0,60            | 2,44                     | 2,02                     | 6,86                     | 1,87   | 1,57   | 2,22   | 0,77            |
| 824 | 12:39:35 | 0,26            | 0,24            | 0,69            | 2,44                     | 2,02                     | 6,87                     | 2,24   | 2,43   | 3,26   | 0,85            |
| 825 | 12:39:40 | 0,16            | 0,22            | 0,52            | 2,44                     | 2,02                     | 6,87                     | 1,79   | 1,99   | 2,35   | 0,65            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 826 | 12:39:45 | 0,25            | 0,31            | 0,60            | 2,44                     | 2,02                     | 6,87                     | 1,56   | 1,75   | 1,81   | 0,82            |
| 827 | 12:39:50 | 0,20            | 0,19            | 0,54            | 2,44                     | 2,02                     | 6,87                     | 1,85   | 1,40   | 1,72   | 0,66            |
| 828 | 12:39:55 | 0,14            | 0,21            | 0,53            | 2,44                     | 2,03                     | 6,87                     | 2,59   | 2,72   | 2,25   | 0,63            |
| 829 | 12:40:00 | 0,29            | 0,15            | 0,54            | 2,44                     | 2,03                     | 6,87                     | 1,61   | 1,06   | 1,30   | 0,71            |
| 830 | 12:40:05 | 0,20            | 0,18            | 0,37            | 2,44                     | 2,03                     | 6,87                     | 1,98   | 2,07   | 2,89   | 0,53            |
| 831 | 12:40:10 | 0,22            | 0,16            | 0,50            | 2,44                     | 2,03                     | 6,87                     | 1,89   | 1,92   | 1,83   | 0,63            |
| 832 | 12:40:15 | 0,27            | 0,21            | 0,61            | 2,45                     | 2,03                     | 6,87                     | 1,44   | 2,80   | 1,85   | 0,77            |
| 833 | 12:40:20 | 0,24            | 0,16            | 0,48            | 2,45                     | 2,03                     | 6,87                     | 1,88   | 2,95   | 2,75   | 0,63            |
| 834 | 12:40:25 | 0,17            | 0,15            | 0,46            | 2,45                     | 2,03                     | 6,87                     | 1,90   | 0,96   | 1,91   | 0,56            |
| 835 | 12:40:30 | 0,17            | 0,17            | 0,41            | 2,45                     | 2,03                     | 6,87                     | 2,19   | 2,24   | 2,90   | 0,53            |
| 836 | 12:40:35 | 0,22            | 0,19            | 0,46            | 2,45                     | 2,03                     | 6,87                     | 2,12   | 2,61   | 2,32   | 0,61            |
| 837 | 12:40:40 | 0,16            | 0,17            | 0,44            | 2,45                     | 2,03                     | 6,88                     | 1,54   | 3,06   | 2,88   | 0,55            |
| 838 | 12:40:45 | 0,13            | 0,18            | 0,33            | 2,45                     | 2,03                     | 6,88                     | 1,99   | 1,21   | 2,38   | 0,46            |
| 839 | 12:40:50 | 0,32            | 0,20            | 0,53            | 2,45                     | 2,03                     | 6,88                     | 0,75   | 1,72   | 1,71   | 0,76            |
| 840 | 12:40:55 | 0,17            | 0,21            | 0,46            | 2,45                     | 2,03                     | 6,88                     | 1,46   | 2,03   | 2,63   | 0,59            |
| 841 | 12:41:00 | 0,24            | 0,22            | 0,45            | 2,45                     | 2,03                     | 6,88                     | 1,23   | 1,82   | 2,46   | 0,64            |
| 842 | 12:41:05 | 0,22            | 0,14            | 0,40            | 2,45                     | 2,03                     | 6,88                     | 2,05   | 1,71   | 3,26   | 0,55            |
| 843 | 12:41:10 | 0,38            | 0,14            | 0,61            | 2,46                     | 2,03                     | 6,88                     | 1,38   | 2,11   | 1,71   | 0,83            |
| 844 | 12:41:15 | 0,26            | 0,16            | 0,55            | 2,46                     | 2,03                     | 6,88                     | 0,75   | 2,06   | 1,60   | 0,69            |
| 845 | 12:41:20 | 0,21            | 0,17            | 0,37            | 2,46                     | 2,03                     | 6,88                     | 0,60   | 2,52   | 1,40   | 0,53            |
| 846 | 12:41:25 | 0,22            | 0,14            | 0,46            | 2,46                     | 2,03                     | 6,88                     | 2,45   | 2,07   | 2,21   | 0,59            |
| 847 | 12:41:30 | 0,16            | 0,11            | 0,37            | 2,46                     | 2,03                     | 6,88                     | 1,35   | 3,11   | 2,84   | 0,46            |
| 848 | 12:41:35 | 0,15            | 0,11            | 0,33            | 2,46                     | 2,03                     | 6,88                     | 1,35   | 3,02   | 2,31   | 0,42            |
| 849 | 12:41:40 | 0,23            | 0,21            | 0,53            | 2,46                     | 2,03                     | 6,88                     | 0,92   | 1,21   | 1,43   | 0,68            |
| 850 | 12:41:45 | 0,17            | 0,18            | 0,49            | 2,46                     | 2,04                     | 6,88                     | 2,20   | 1,63   | 1,70   | 0,60            |
| 851 | 12:41:50 | 0,12            | 0,16            | 0,33            | 2,46                     | 2,04                     | 6,89                     | 3,63   | 2,64   | 3,69   | 0,43            |
| 852 | 12:41:55 | 0,18            | 0,20            | 0,47            | 2,46                     | 2,04                     | 6,89                     | 2,28   | 1,41   | 3,63   | 0,60            |
| 853 | 12:42:00 | 0,22            | 0,14            | 0,47            | 2,46                     | 2,04                     | 6,89                     | 2,30   | 2,66   | 1,81   | 0,59            |
| 854 | 12:42:05 | 0,20            | 0,14            | 0,43            | 2,46                     | 2,04                     | 6,89                     | 1,38   | 0,84   | 1,66   | 0,56            |
| 855 | 12:42:10 | 0,13            | 0,10            | 0,29            | 2,46                     | 2,04                     | 6,89                     | 1,31   | 3,21   | 1,45   | 0,37            |
| 856 | 12:42:15 | 0,15            | 0,20            | 0,37            | 2,46                     | 2,04                     | 6,89                     | 1,85   | 1,17   | 2,63   | 0,51            |
| 857 | 12:42:20 | 0,17            | 0,17            | 0,38            | 2,46                     | 2,04                     | 6,89                     | 1,44   | 1,15   | 2,06   | 0,50            |
| 858 | 12:42:25 | 0,18            | 0,14            | 0,40            | 2,46                     | 2,04                     | 6,89                     | 2,58   | 2,83   | 2,50   | 0,51            |
| 859 | 12:42:30 | 0,27            | 0,16            | 0,62            | 2,46                     | 2,04                     | 6,89                     | 0,74   | 1,67   | 1,45   | 0,76            |
| 860 | 12:42:35 | 0,15            | 0,17            | 0,37            | 2,46                     | 2,04                     | 6,89                     | 2,98   | 1,58   | 4,18   | 0,49            |
| 861 | 12:42:40 | 0,22            | 0,12            | 0,45            | 2,46                     | 2,04                     | 6,89                     | 3,32   | 2,91   | 2,96   | 0,57            |
| 862 | 12:42:45 | 0,18            | 0,14            | 0,39            | 2,46                     | 2,04                     | 6,89                     | 1,04   | 1,56   | 2,14   | 0,51            |
| 863 | 12:42:50 | 0,16            | 0,11            | 0,39            | 2,46                     | 2,04                     | 6,89                     | 1,83   | 1,33   | 1,98   | 0,48            |
| 864 | 12:42:55 | 0,16            | 0,16            | 0,48            | 2,47                     | 2,04                     | 6,89                     | 2,68   | 2,51   | 2,33   | 0,57            |
| 865 | 12:43:00 | 0,21            | 0,14            | 0,50            | 2,47                     | 2,04                     | 6,89                     | 2,21   | 1,93   | 2,86   | 0,61            |
| 866 | 12:43:05 | 0,17            | 0,18            | 0,53            | 2,47                     | 2,04                     | 6,89                     | 3,47   | 3,47   | 4,25   | 0,63            |
| 867 | 12:43:10 | 0,26            | 0,19            | 0,48            | 2,47                     | 2,04                     | 6,89                     | 1,05   | 2,41   | 1,91   | 0,66            |
| 868 | 12:43:15 | 0,22            | 0,18            | 0,50            | 2,47                     | 2,04                     | 6,89                     | 0,94   | 1,34   | 1,24   | 0,64            |
| 869 | 12:43:20 | 0,22            | 0,13            | 0,38            | 2,47                     | 2,04                     | 6,89                     | 0,99   | 1,71   | 1,35   | 0,52            |
| 870 | 12:43:25 | 0,16            | 0,19            | 0,29            | 2,47                     | 2,04                     | 6,89                     | 2,12   | 1,66   | 1,94   | 0,45            |
| 871 | 12:43:30 | 0,16            | 0,15            | 0,36            | 2,47                     | 2,04                     | 6,89                     | 3,82   | 2,38   | 2,19   | 0,47            |
| 872 | 12:43:35 | 0,32            | 0,16            | 0,46            | 2,47                     | 2,04                     | 6,90                     | 0,80   | 2,87   | 1,84   | 0,68            |
| 873 | 12:43:40 | 0,20            | 0,16            | 0,36            | 2,47                     | 2,04                     | 6,90                     | 1,40   | 2,97   | 1,95   | 0,51            |
| 874 | 12:43:45 | 0,24            | 0,15            | 0,46            | 2,47                     | 2,04                     | 6,90                     | 1,72   | 1,59   | 1,82   | 0,61            |
| 875 | 12:43:50 | 0,19            | 0,13            | 0,33            | 2,47                     | 2,04                     | 6,90                     | 2,34   | 2,45   | 2,48   | 0,46            |
| 876 | 12:43:55 | 0,21            | 0,12            | 0,36            | 2,47                     | 2,04                     | 6,90                     | 2,04   | 2,06   | 2,73   | 0,50            |
| 877 | 12:44:00 | 0,17            | 0,12            | 0,37            | 2,47                     | 2,04                     | 6,90                     | 2,46   | 1,34   | 2,87   | 0,47            |
| 878 | 12:44:05 | 0,17            | 0,12            | 0,34            | 2,47                     | 2,04                     | 6,90                     | 2,10   | 2,82   | 2,54   | 0,45            |
| 879 | 12:44:10 | 0,15            | 0,13            | 0,31            | 2,47                     | 2,04                     | 6,90                     | 0,91   | 1,95   | 2,39   | 0,42            |
| 880 | 12:44:15 | 0,15            | 0,25            | 0,36            | 2,47                     | 2,04                     | 6,90                     | 2,03   | 3,09   | 3,61   | 0,54            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|-----|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 881 | 12:44:20 | 0,19             | 0,23             | 0,46             | 2,47                      | 2,04                      | 6,90                      | 1,65   | 1,19   | 1,05   | 0,63             |
| 882 | 12:44:25 | 0,41             | 0,17             | 0,69             | 2,48                      | 2,05                      | 6,90                      | 0,83   | 1,25   | 1,29   | 0,93             |
| 883 | 12:44:31 | 0,24             | 0,19             | 0,53             | 2,48                      | 2,05                      | 6,90                      | 1,97   | 2,57   | 2,46   | 0,68             |
| 884 | 12:44:36 | 0,28             | 0,18             | 0,54             | 2,48                      | 2,05                      | 6,90                      | 1,14   | 1,43   | 2,36   | 0,72             |
| 885 | 12:44:41 | 0,16             | 0,16             | 0,42             | 2,48                      | 2,05                      | 6,90                      | 1,85   | 1,80   | 1,64   | 0,52             |
| 886 | 12:44:46 | 0,23             | 0,15             | 0,52             | 2,48                      | 2,05                      | 6,90                      | 1,40   | 1,48   | 2,07   | 0,65             |
| 887 | 12:44:51 | 0,21             | 0,16             | 0,51             | 2,48                      | 2,05                      | 6,91                      | 3,24   | 1,45   | 3,24   | 0,63             |
| 888 | 12:44:56 | 0,27             | 0,14             | 0,61             | 2,48                      | 2,05                      | 6,91                      | 2,28   | 1,59   | 1,54   | 0,75             |
| 889 | 12:45:01 | 0,23             | 0,20             | 0,40             | 2,48                      | 2,05                      | 6,91                      | 1,20   | 2,52   | 2,07   | 0,59             |
| 890 | 12:45:06 | 0,27             | 0,25             | 0,45             | 2,48                      | 2,05                      | 6,91                      | 0,81   | 1,07   | 1,29   | 0,68             |
| 891 | 12:45:11 | 0,16             | 0,23             | 0,42             | 2,48                      | 2,05                      | 6,91                      | 1,51   | 1,21   | 2,20   | 0,57             |
| 892 | 12:45:16 | 0,28             | 0,20             | 0,49             | 2,49                      | 2,05                      | 6,91                      | 1,77   | 1,37   | 1,91   | 0,69             |
| 893 | 12:45:21 | 0,19             | 0,15             | 0,37             | 2,49                      | 2,05                      | 6,91                      | 1,23   | 1,52   | 1,81   | 0,50             |
| 894 | 12:45:26 | 0,19             | 0,17             | 0,38             | 2,49                      | 2,05                      | 6,91                      | 3,11   | 2,19   | 2,76   | 0,52             |
| 895 | 12:45:31 | 0,36             | 0,23             | 0,65             | 2,49                      | 2,05                      | 6,91                      | 1,00   | 1,88   | 0,99   | 0,88             |
| 896 | 12:45:36 | 0,35             | 0,16             | 0,66             | 2,50                      | 2,05                      | 6,91                      | 1,43   | 1,98   | 1,23   | 0,85             |
| 897 | 12:45:41 | 0,18             | 0,14             | 0,36             | 2,50                      | 2,05                      | 6,91                      | 2,54   | 2,14   | 1,98   | 0,48             |
| 898 | 12:45:46 | 0,26             | 0,16             | 0,48             | 2,50                      | 2,05                      | 6,91                      | 1,47   | 2,08   | 1,79   | 0,64             |
| 899 | 12:45:51 | 0,20             | 0,20             | 0,47             | 2,50                      | 2,06                      | 6,91                      | 2,50   | 2,62   | 2,88   | 0,61             |
| 900 | 12:45:56 | 0,21             | 0,25             | 0,47             | 2,50                      | 2,06                      | 6,91                      | 2,37   | 1,50   | 2,43   | 0,65             |
| 901 | 12:46:01 | 0,21             | 0,22             | 0,42             | 2,50                      | 2,06                      | 6,92                      | 1,27   | 1,77   | 2,18   | 0,60             |
| 902 | 12:46:06 | 0,30             | 0,18             | 0,47             | 2,50                      | 2,06                      | 6,92                      | 0,51   | 1,52   | 1,29   | 0,68             |
| 903 | 12:46:11 | 0,17             | 0,11             | 0,36             | 2,50                      | 2,06                      | 6,92                      | 2,22   | 1,79   | 2,01   | 0,46             |
| 904 | 12:46:16 | 0,19             | 0,20             | 0,37             | 2,50                      | 2,06                      | 6,92                      | 0,95   | 1,97   | 1,42   | 0,53             |
| 905 | 12:46:21 | 0,17             | 0,22             | 0,37             | 2,50                      | 2,06                      | 6,92                      | 2,86   | 2,56   | 2,40   | 0,53             |
| 906 | 12:46:26 | 0,50             | 0,35             | 0,76             | 2,51                      | 2,06                      | 6,92                      | 1,32   | 1,67   | 1,42   | 1,14             |
| 907 | 12:46:31 | 0,24             | 0,19             | 0,48             | 2,51                      | 2,06                      | 6,92                      | 1,18   | 1,50   | 1,50   | 0,64             |
| 908 | 12:46:36 | 0,13             | 0,10             | 0,34             | 2,51                      | 2,06                      | 6,92                      | 1,85   | 1,87   | 2,19   | 0,41             |
| 909 | 12:46:41 | 0,13             | 0,14             | 0,34             | 2,51                      | 2,06                      | 6,92                      | 2,59   | 2,29   | 2,69   | 0,44             |
| 910 | 12:46:46 | 0,16             | 0,14             | 0,39             | 2,51                      | 2,06                      | 6,92                      | 2,38   | 2,29   | 1,87   | 0,49             |
| 911 | 12:46:51 | 0,14             | 0,19             | 0,32             | 2,51                      | 2,06                      | 6,92                      | 2,60   | 1,24   | 2,24   | 0,46             |
| 912 | 12:46:56 | 0,12             | 0,21             | 0,31             | 2,51                      | 2,06                      | 6,92                      | 1,49   | 1,96   | 2,05   | 0,46             |
| 913 | 12:47:01 | 0,25             | 0,18             | 0,41             | 2,51                      | 2,07                      | 6,92                      | 1,08   | 1,80   | 1,34   | 0,59             |
| 914 | 12:47:06 | 0,25             | 0,17             | 0,43             | 2,51                      | 2,07                      | 6,92                      | 0,97   | 1,83   | 2,35   | 0,60             |
| 915 | 12:47:11 | 0,24             | 0,23             | 0,55             | 2,51                      | 2,07                      | 6,92                      | 1,48   | 1,21   | 2,28   | 0,72             |
| 916 | 12:47:16 | 0,15             | 0,13             | 0,30             | 2,51                      | 2,07                      | 6,92                      | 1,56   | 1,25   | 2,08   | 0,40             |
| 917 | 12:47:21 | 0,17             | 0,14             | 0,35             | 2,51                      | 2,07                      | 6,92                      | 1,95   | 2,37   | 2,39   | 0,46             |
| 918 | 12:47:26 | 0,27             | 0,13             | 0,44             | 2,52                      | 2,07                      | 6,92                      | 1,06   | 1,59   | 1,31   | 0,61             |
| 919 | 12:47:31 | 0,16             | 0,14             | 0,27             | 2,52                      | 2,07                      | 6,92                      | 2,52   | 2,24   | 3,32   | 0,40             |
| 920 | 12:47:36 | 0,15             | 0,13             | 0,31             | 2,52                      | 2,07                      | 6,92                      | 1,58   | 1,82   | 1,69   | 0,42             |
| 921 | 12:47:42 | 0,13             | 0,09             | 0,30             | 2,52                      | 2,07                      | 6,92                      | 2,39   | 1,75   | 2,18   | 0,37             |
| 922 | 12:47:47 | 0,11             | 0,13             | 0,31             | 2,52                      | 2,07                      | 6,92                      | 2,59   | 2,64   | 2,20   | 0,39             |
| 923 | 12:47:52 | 0,16             | 0,19             | 0,34             | 2,52                      | 2,07                      | 6,92                      | 1,49   | 1,33   | 1,60   | 0,49             |
| 924 | 12:47:57 | 0,31             | 0,18             | 0,52             | 2,52                      | 2,07                      | 6,92                      | 0,51   | 1,47   | 1,54   | 0,72             |
| 925 | 12:48:02 | 0,15             | 0,24             | 0,46             | 2,52                      | 2,07                      | 6,93                      | 1,23   | 2,04   | 1,91   | 0,60             |
| 926 | 12:48:07 | 0,20             | 0,17             | 0,45             | 2,52                      | 2,07                      | 6,93                      | 3,18   | 1,82   | 3,01   | 0,57             |
| 927 | 12:48:12 | 0,31             | 0,20             | 0,68             | 2,52                      | 2,07                      | 6,93                      | 1,03   | 1,48   | 1,14   | 0,86             |
| 928 | 12:48:17 | 0,15             | 0,17             | 0,44             | 2,52                      | 2,07                      | 6,93                      | 3,25   | 4,04   | 3,95   | 0,54             |
| 929 | 12:48:22 | 0,27             | 0,29             | 0,67             | 2,52                      | 2,07                      | 6,93                      | 1,99   | 2,45   | 3,72   | 0,87             |
| 930 | 12:48:27 | 0,36             | 0,22             | 0,66             | 2,52                      | 2,07                      | 6,93                      | 1,43   | 1,71   | 1,72   | 0,88             |
| 931 | 12:48:32 | 0,25             | 0,18             | 0,48             | 2,53                      | 2,07                      | 6,93                      | 1,22   | 2,47   | 3,99   | 0,64             |
| 932 | 12:48:37 | 0,20             | 0,17             | 0,44             | 2,53                      | 2,07                      | 6,93                      | 1,07   | 1,63   | 1,99   | 0,57             |
| 933 | 12:48:42 | 0,11             | 0,16             | 0,35             | 2,53                      | 2,07                      | 6,93                      | 1,64   | 1,31   | 1,24   | 0,44             |
| 934 | 12:48:47 | 0,14             | 0,18             | 0,33             | 2,53                      | 2,07                      | 6,93                      | 1,96   | 2,24   | 2,27   | 0,46             |
| 935 | 12:48:52 | 0,13             | 0,13             | 0,32             | 2,53                      | 2,07                      | 6,93                      | 1,23   | 3,00   | 1,98   | 0,41             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 936 | 12:48:57 | 0,11            | 0,23            | 0,58            | 2,53                     | 2,08                     | 6,94                     | 1,96   | 1,80   | 1,72   | 0,69            |
| 937 | 12:49:02 | 0,15            | 0,20            | 0,31            | 2,53                     | 2,08                     | 6,94                     | 1,73   | 1,37   | 1,81   | 0,47            |
| 938 | 12:49:07 | 0,17            | 0,14            | 0,38            | 2,53                     | 2,08                     | 6,94                     | 3,64   | 1,86   | 2,36   | 0,50            |
| 939 | 12:49:12 | 0,15            | 0,13            | 0,42            | 2,53                     | 2,08                     | 6,94                     | 2,60   | 1,83   | 2,16   | 0,50            |
| 940 | 12:49:17 | 0,10            | 0,17            | 0,29            | 2,53                     | 2,08                     | 6,94                     | 2,08   | 2,93   | 2,79   | 0,40            |
| 941 | 12:49:22 | 0,22            | 0,23            | 0,50            | 2,53                     | 2,08                     | 6,94                     | 3,17   | 2,54   | 3,67   | 0,67            |
| 942 | 12:49:27 | 0,23            | 0,18            | 0,46            | 2,53                     | 2,08                     | 6,94                     | 1,37   | 2,15   | 1,96   | 0,61            |
| 943 | 12:49:32 | 0,29            | 0,21            | 0,54            | 2,53                     | 2,08                     | 6,94                     | 0,87   | 1,49   | 1,21   | 0,74            |
| 944 | 12:49:37 | 0,23            | 0,24            | 0,47            | 2,53                     | 2,08                     | 6,94                     | 1,63   | 1,48   | 1,85   | 0,66            |
| 945 | 12:49:42 | 0,18            | 0,18            | 0,36            | 2,53                     | 2,08                     | 6,94                     | 1,85   | 2,00   | 1,53   | 0,50            |
| 946 | 12:49:47 | 0,20            | 0,17            | 0,36            | 2,53                     | 2,08                     | 6,94                     | 2,04   | 0,86   | 2,05   | 0,51            |
| 947 | 12:49:52 | 0,22            | 0,16            | 0,49            | 2,53                     | 2,08                     | 6,94                     | 2,23   | 1,26   | 3,10   | 0,62            |
| 948 | 12:49:57 | 0,30            | 0,19            | 0,47            | 2,53                     | 2,08                     | 6,94                     | 1,32   | 1,41   | 1,91   | 0,69            |
| 949 | 12:50:02 | 0,16            | 0,17            | 0,39            | 2,53                     | 2,08                     | 6,94                     | 2,00   | 1,87   | 1,65   | 0,51            |
| 950 | 12:50:07 | 0,20            | 0,19            | 0,42            | 2,53                     | 2,08                     | 6,94                     | 1,99   | 1,10   | 2,00   | 0,57            |
| 951 | 12:50:12 | 0,29            | 0,16            | 0,46            | 2,53                     | 2,08                     | 6,94                     | 0,46   | 1,61   | 0,97   | 0,66            |
| 952 | 12:50:17 | 0,15            | 0,12            | 0,35            | 2,53                     | 2,08                     | 6,94                     | 1,66   | 2,16   | 1,97   | 0,44            |
| 953 | 12:50:22 | 0,09            | 0,12            | 0,22            | 2,53                     | 2,09                     | 6,94                     | 1,86   | 0,92   | 2,21   | 0,31            |
| 954 | 12:50:27 | 0,11            | 0,13            | 0,25            | 2,53                     | 2,09                     | 6,94                     | 1,65   | 1,52   | 2,82   | 0,35            |
| 955 | 12:50:32 | 0,13            | 0,22            | 0,30            | 2,53                     | 2,09                     | 6,94                     | 2,03   | 1,98   | 2,68   | 0,46            |
| 956 | 12:50:37 | 0,09            | 0,18            | 0,23            | 2,53                     | 2,09                     | 6,94                     | 1,41   | 1,37   | 2,16   | 0,37            |
| 957 | 12:50:42 | 0,13            | 0,12            | 0,32            | 2,53                     | 2,09                     | 6,94                     | 0,77   | 0,97   | 1,82   | 0,41            |
| 958 | 12:50:47 | 0,10            | 0,14            | 0,25            | 2,53                     | 2,09                     | 6,94                     | 1,41   | 0,98   | 3,71   | 0,35            |
| 959 | 12:50:52 | 0,27            | 0,17            | 0,61            | 2,54                     | 2,09                     | 6,95                     | 3,74   | 3,69   | 3,49   | 0,76            |
| 960 | 12:50:57 | 0,20            | 0,19            | 0,31            | 2,54                     | 2,09                     | 6,95                     | 1,45   | 1,95   | 1,69   | 0,50            |
| 961 | 12:51:02 | 0,10            | 0,19            | 0,20            | 2,54                     | 2,09                     | 6,95                     | 1,35   | 1,33   | 1,17   | 0,36            |
| 962 | 12:51:07 | 0,12            | 0,10            | 0,21            | 2,54                     | 2,09                     | 6,95                     | 1,68   | 1,62   | 2,64   | 0,30            |
| 963 | 12:51:12 | 0,09            | 0,14            | 0,20            | 2,54                     | 2,09                     | 6,95                     | 1,13   | 1,01   | 2,87   | 0,31            |
| 964 | 12:51:17 | 0,06            | 0,14            | 0,19            | 2,54                     | 2,09                     | 6,95                     | 2,53   | 2,23   | 2,97   | 0,28            |
| 965 | 12:51:22 | 0,16            | 0,17            | 0,35            | 2,54                     | 2,09                     | 6,95                     | 0,67   | 1,06   | 1,20   | 0,48            |
| 966 | 12:51:27 | 0,10            | 0,11            | 0,21            | 2,54                     | 2,09                     | 6,95                     | 2,33   | 2,01   | 2,60   | 0,30            |
| 967 | 12:51:32 | 0,12            | 0,13            | 0,26            | 2,54                     | 2,09                     | 6,95                     | 0,71   | 2,67   | 1,65   | 0,36            |
| 968 | 12:51:37 | 0,09            | 0,10            | 0,23            | 2,54                     | 2,09                     | 6,95                     | 0,90   | 3,73   | 1,91   | 0,30            |
| 969 | 12:51:42 | 0,11            | 0,12            | 0,26            | 2,54                     | 2,09                     | 6,95                     | 1,30   | 1,44   | 1,25   | 0,35            |
| 970 | 12:51:48 | 0,11            | 0,16            | 0,23            | 2,54                     | 2,09                     | 6,95                     | 0,99   | 0,93   | 1,53   | 0,35            |
| 971 | 12:51:53 | 0,08            | 0,06            | 0,15            | 2,54                     | 2,09                     | 6,95                     | 1,89   | 1,59   | 1,53   | 0,20            |
| 972 | 12:51:58 | 0,34            | 0,36            | 0,38            | 2,54                     | 2,09                     | 6,95                     | 1,49   | 0,51   | 1,06   | 0,79            |
| 973 | 12:52:03 | 0,21            | 0,19            | 0,25            | 2,54                     | 2,09                     | 6,95                     | 3,61   | 0,71   | 2,35   | 0,46            |
| 974 | 12:52:08 | 0,08            | 0,06            | 0,17            | 2,54                     | 2,09                     | 6,95                     | 1,90   | 1,79   | 2,11   | 0,22            |
| 975 | 12:52:13 | 0,17            | 0,13            | 0,34            | 2,54                     | 2,09                     | 6,95                     | 0,87   | 1,84   | 1,30   | 0,45            |
| 976 | 12:52:18 | 0,12            | 0,22            | 0,37            | 2,54                     | 2,10                     | 6,95                     | 2,97   | 2,32   | 4,82   | 0,51            |
| 977 | 12:52:23 | 0,13            | 0,13            | 0,39            | 2,54                     | 2,10                     | 6,95                     | 1,55   | 3,06   | 2,00   | 0,46            |
| 978 | 12:52:28 | 0,10            | 0,11            | 0,27            | 2,54                     | 2,10                     | 6,95                     | 3,53   | 2,51   | 6,66   | 0,33            |
| 979 | 12:52:33 | 0,07            | 0,09            | 0,15            | 2,54                     | 2,10                     | 6,95                     | 1,21   | 1,70   | 2,20   | 0,22            |
| 980 | 12:52:38 | 0,09            | 0,09            | 0,27            | 2,54                     | 2,10                     | 6,95                     | 1,95   | 1,65   | 1,83   | 0,32            |
| 981 | 12:52:43 | 0,10            | 0,16            | 0,36            | 2,54                     | 2,10                     | 6,95                     | 2,82   | 3,52   | 2,15   | 0,45            |
| 982 | 12:52:48 | 0,06            | 0,09            | 0,30            | 2,54                     | 2,10                     | 6,95                     | 1,84   | 2,04   | 1,15   | 0,34            |
| 983 | 12:52:53 | 0,07            | 0,08            | 0,30            | 2,54                     | 2,10                     | 6,95                     | 2,82   | 3,00   | 2,14   | 0,34            |
| 984 | 12:52:58 | 0,07            | 0,10            | 0,27            | 2,54                     | 2,10                     | 6,95                     | 1,08   | 2,13   | 1,65   | 0,32            |
| 985 | 12:53:03 | 0,12            | 0,09            | 0,22            | 2,54                     | 2,10                     | 6,95                     | 8,12   | 3,58   | 9,40   | 0,31            |
| 986 | 12:53:08 | 0,40            | 0,16            | 0,47            | 2,55                     | 2,10                     | 6,95                     | 1,25   | 0,90   | 1,22   | 0,76            |
| 987 | 12:53:13 | 0,22            | 0,06            | 0,13            | 2,55                     | 2,10                     | 6,95                     | 0,72   | 3,12   | 1,65   | 0,35            |
| 988 | 12:53:18 | 0,15            | 0,08            | 0,40            | 2,55                     | 2,10                     | 6,95                     | 2,17   | 3,19   | 4,85   | 0,46            |
| 989 | 12:53:23 | 0,17            | 0,25            | 0,26            | 2,55                     | 2,10                     | 6,95                     | 1,81   | 2,64   | 2,36   | 0,50            |
| 990 | 12:53:28 | 0,25            | 0,21            | 0,19            | 2,55                     | 2,10                     | 6,95                     | 2,84   | 0,93   | 2,88   | 0,49            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 991  | 12:53:33 | 0,19             | 0,21             | 0,27             | 2,55                      | 2,10                      | 6,95                      | 1,74   | 1,20   | 2,03   | 0,48             |
| 992  | 12:53:38 | 0,10             | 0,11             | 0,28             | 2,55                      | 2,10                      | 6,95                      | 2,28   | 2,14   | 2,32   | 0,36             |
| 993  | 12:53:43 | 0,17             | 0,24             | 0,33             | 2,55                      | 2,10                      | 6,95                      | 1,31   | 1,52   | 0,95   | 0,52             |
| 994  | 12:53:48 | 0,28             | 0,15             | 0,50             | 2,55                      | 2,10                      | 6,95                      | 2,31   | 2,07   | 1,52   | 0,67             |
| 995  | 12:53:53 | 0,19             | 0,12             | 0,34             | 2,55                      | 2,10                      | 6,95                      | 1,15   | 1,85   | 2,44   | 0,46             |
| 996  | 12:53:58 | 0,14             | 0,19             | 0,34             | 2,55                      | 2,10                      | 6,95                      | 0,99   | 1,28   | 1,83   | 0,47             |
| 997  | 12:54:03 | 0,16             | 0,28             | 0,38             | 2,55                      | 2,11                      | 6,95                      | 1,79   | 0,76   | 2,02   | 0,59             |
| 998  | 12:54:08 | 0,12             | 0,17             | 0,30             | 2,55                      | 2,11                      | 6,95                      | 1,56   | 1,90   | 1,57   | 0,42             |
| 999  | 12:54:13 | 0,26             | 0,33             | 0,34             | 2,55                      | 2,12                      | 6,95                      | 0,67   | 0,34   | 0,53   | 0,68             |
| 1000 | 12:54:18 | 0,11             | 0,07             | 0,12             | 2,55                      | 2,12                      | 6,95                      | 3,82   | 2,60   | 4,54   | 0,22             |
| 1001 | 12:54:23 | 0,09             | 0,23             | 0,19             | 2,55                      | 2,12                      | 6,95                      | 2,12   | 0,91   | 1,07   | 0,39             |
| 1002 | 12:54:28 | 0,17             | 0,13             | 0,15             | 2,55                      | 2,12                      | 6,95                      | 2,37   | 2,06   | 4,24   | 0,34             |
| 1003 | 12:54:33 | 0,23             | 0,34             | 0,22             | 2,55                      | 2,12                      | 6,95                      | 1,12   | 2,54   | 1,22   | 0,61             |
| 1004 | 12:54:38 | 0,10             | 0,24             | 0,17             | 2,55                      | 2,13                      | 6,95                      | 0,86   | 0,98   | 0,60   | 0,39             |
| 1005 | 12:54:43 | 0,10             | 0,13             | 0,06             | 2,55                      | 2,13                      | 6,95                      | 3,98   | 2,20   | 2,65   | 0,24             |
| 1006 | 12:54:48 | 0,14             | 0,09             | 0,08             | 2,56                      | 2,13                      | 6,95                      | 0,26   | 2,04   | 1,70   | 0,25             |
| 1007 | 12:54:53 | 0,27             | 0,23             | 0,20             | 2,56                      | 2,13                      | 6,95                      | 0,27   | 0,51   | 2,02   | 0,53             |
| 1008 | 12:54:58 | 0,02             | 0,03             | 0,42             | 2,56                      | 2,13                      | 7,03                      | 0,84   | 2,47   | 0,96   | 0,42             |
| 1009 | 12:55:03 | 0,01             | 0,03             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 5,22   | 7,55   | 2,67   | 0,16             |
| 1010 | 12:55:08 | 0,09             | 0,09             | 0,18             | 2,56                      | 2,13                      | 7,03                      | 3,40   | 3,22   | 2,73   | 0,25             |
| 1011 | 12:55:13 | 0,09             | 0,06             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 0,46   | 1,57   | 1,73   | 0,21             |
| 1012 | 12:55:18 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,59   | 1,55   | 1,81   | 0,14             |
| 1013 | 12:55:23 | 0,01             | 0,04             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,49   | 3,43   | 2,52   | 0,14             |
| 1014 | 12:55:28 | 0,02             | 0,05             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 2,13   | 2,54   | 2,72   | 0,16             |
| 1015 | 12:55:33 | 0,02             | 0,05             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 2,36   | 2,99   | 1,80   | 0,17             |
| 1016 | 12:55:38 | 0,02             | 0,05             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 2,08   | 1,86   | 2,16   | 0,17             |
| 1017 | 12:55:43 | 0,02             | 0,06             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 2,23   | 3,54   | 1,94   | 0,17             |
| 1018 | 12:55:48 | 0,01             | 0,06             | 0,16             | 2,56                      | 2,13                      | 7,03                      | 2,14   | 2,50   | 1,96   | 0,18             |
| 1019 | 12:55:53 | 0,02             | 0,04             | 0,16             | 2,56                      | 2,13                      | 7,03                      | 3,41   | 3,00   | 1,69   | 0,17             |
| 1020 | 12:55:58 | 0,02             | 0,06             | 0,16             | 2,56                      | 2,13                      | 7,03                      | 3,80   | 3,37   | 2,39   | 0,18             |
| 1021 | 12:56:03 | 0,02             | 0,04             | 0,16             | 2,56                      | 2,13                      | 7,03                      | 3,00   | 1,60   | 2,39   | 0,17             |
| 1022 | 12:56:08 | 0,01             | 0,03             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 1,32   | 1,49   | 1,72   | 0,16             |
| 1023 | 12:56:13 | 0,01             | 0,03             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 2,07   | 1,76   | 1,67   | 0,15             |
| 1024 | 12:56:18 | 0,01             | 0,03             | 0,15             | 2,56                      | 2,13                      | 7,03                      | 3,47   | 2,36   | 2,03   | 0,16             |
| 1025 | 12:56:23 | 0,01             | 0,03             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 2,22   | 2,07   | 1,88   | 0,15             |
| 1026 | 12:56:28 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,40   | 2,80   | 1,84   | 0,13             |
| 1027 | 12:56:33 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 3,51   | 3,36   | 2,00   | 0,13             |
| 1028 | 12:56:38 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 1,12   | 2,99   | 2,09   | 0,13             |
| 1029 | 12:56:44 | 0,01             | 0,02             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,81   | 2,99   | 2,18   | 0,13             |
| 1030 | 12:56:49 | 0,01             | 0,05             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 4,60   | 2,43   | 2,74   | 0,16             |
| 1031 | 12:56:54 | 0,01             | 0,03             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 2,30   | 2,49   | 2,78   | 0,15             |
| 1032 | 12:56:59 | 0,01             | 0,04             | 0,16             | 2,56                      | 2,13                      | 7,03                      | 0,93   | 1,84   | 1,59   | 0,17             |
| 1033 | 12:57:04 | 0,02             | 0,05             | 0,19             | 2,56                      | 2,13                      | 7,03                      | 11,10  | 8,89   | 14,63  | 0,20             |
| 1034 | 12:57:09 | 0,01             | 0,03             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 1,54   | 1,67   | 1,95   | 0,14             |
| 1035 | 12:57:14 | 0,01             | 0,03             | 0,14             | 2,56                      | 2,13                      | 7,03                      | 1,27   | 1,72   | 1,79   | 0,14             |
| 1036 | 12:57:19 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 3,53   | 2,06   | 1,90   | 0,13             |
| 1037 | 12:57:24 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 1,71   | 1,95   | 1,93   | 0,14             |
| 1038 | 12:57:29 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,54   | 1,95   | 1,74   | 0,14             |
| 1039 | 12:57:34 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,25   | 2,14   | 1,78   | 0,13             |
| 1040 | 12:57:39 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,65   | 2,15   | 1,79   | 0,14             |
| 1041 | 12:57:44 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,29   | 1,77   | 1,99   | 0,14             |
| 1042 | 12:57:49 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 1,79   | 1,79   | 1,70   | 0,14             |
| 1043 | 12:57:54 | 0,01             | 0,03             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 3,12   | 1,91   | 1,81   | 0,13             |
| 1044 | 12:57:59 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,62   | 1,98   | 1,94   | 0,13             |
| 1045 | 12:58:04 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,49   | 2,26   | 1,79   | 0,13             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1046 | 12:58:09 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,48   | 2,00   | 1,76   | 0,13             |
| 1047 | 12:58:14 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,29   | 2,11   | 1,92   | 0,13             |
| 1048 | 12:58:19 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,77   | 2,05   | 1,73   | 0,13             |
| 1049 | 12:58:24 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,64   | 2,01   | 1,77   | 0,12             |
| 1050 | 12:58:29 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 1,80   | 1,83   | 1,92   | 0,12             |
| 1051 | 12:58:34 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,88   | 1,98   | 1,75   | 0,12             |
| 1052 | 12:58:39 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,85   | 2,25   | 1,90   | 0,13             |
| 1053 | 12:58:44 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 3,15   | 1,87   | 1,82   | 0,12             |
| 1054 | 12:58:49 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 3,79   | 1,96   | 1,67   | 0,12             |
| 1055 | 12:58:54 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,73   | 2,09   | 1,77   | 0,12             |
| 1056 | 12:58:59 | 0,01             | 0,02             | 0,11             | 2,56                      | 2,13                      | 7,03                      | 2,16   | 2,03   | 1,65   | 0,12             |
| 1057 | 12:59:04 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 1,75   | 2,21   | 1,90   | 0,12             |
| 1058 | 12:59:09 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,94   | 1,82   | 1,89   | 0,12             |
| 1059 | 12:59:14 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,65   | 1,96   | 2,01   | 0,12             |
| 1060 | 12:59:19 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 1,49   | 2,36   | 1,84   | 0,12             |
| 1061 | 12:59:24 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,25   | 2,16   | 1,87   | 0,12             |
| 1062 | 12:59:29 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,06   | 2,02   | 1,71   | 0,12             |
| 1063 | 12:59:34 | 0,01             | 0,03             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 3,45   | 2,32   | 1,64   | 0,12             |
| 1064 | 12:59:39 | 0,01             | 0,02             | 0,12             | 2,56                      | 2,13                      | 7,03                      | 2,91   | 1,87   | 1,81   | 0,13             |
| 1065 | 12:59:44 | 0,01             | 0,02             | 0,13             | 2,56                      | 2,13                      | 7,03                      | 2,23   | 2,17   | 1,97   | 0,13             |
| 1066 | 12:59:49 | 0,01             | 0,02             | 0,08             | 2,56                      | 2,13                      | 7,03                      | 2,76   | 2,97   | 3,03   | 0,09             |
| 1067 | 12:59:54 | 0,32             | 0,19             | 0,74             | 2,57                      | 2,13                      | 7,04                      | 0,15   | 0,63   | 0,11   | 0,90             |
| 1068 | 12:59:59 | 0,02             | 0,04             | 0,05             | 2,57                      | 2,13                      | 7,04                      | 3,11   | 1,65   | 2,26   | 0,08             |
| 1069 | 13:00:04 | 0,07             | 0,20             | 0,08             | 2,57                      | 2,13                      | 7,04                      | 2,98   | 2,69   | 1,24   | 0,31             |
| 1070 | 13:00:09 | 0,04             | 0,09             | 0,06             | 2,57                      | 2,13                      | 7,04                      | 0,79   | 0,82   | 2,10   | 0,16             |
| 1071 | 13:00:14 | 0,02             | 0,05             | 0,06             | 2,57                      | 2,13                      | 7,04                      | 1,02   | 2,31   | 1,20   | 0,09             |
| 1072 | 13:00:19 | 0,01             | 0,04             | 0,03             | 2,57                      | 2,13                      | 7,04                      | 3,18   | 3,33   | 3,57   | 0,06             |
| 1073 | 13:00:24 | 0,02             | 0,05             | 0,04             | 2,57                      | 2,13                      | 7,04                      | 0,68   | 1,38   | 1,59   | 0,08             |
| 1074 | 13:00:29 | 0,34             | 0,09             | 0,08             | 2,58                      | 2,13                      | 7,04                      | 2,67   | 2,33   | 2,83   | 0,50             |
| 1075 | 13:00:34 | 0,16             | 0,15             | 0,09             | 2,58                      | 2,13                      | 7,04                      | 1,87   | 1,96   | 4,81   | 0,32             |
| 1076 | 13:00:39 | 0,17             | 0,42             | 0,20             | 2,58                      | 2,14                      | 7,04                      | 2,66   | 1,20   | 0,66   | 0,66             |
| 1077 | 13:00:44 | 0,33             | 0,42             | 0,22             | 2,58                      | 2,17                      | 7,04                      | 2,28   | 1,06   | 1,58   | 0,78             |
| 1078 | 13:00:49 | 0,32             | 0,13             | 0,20             | 2,58                      | 2,17                      | 7,04                      | 0,86   | 1,27   | 3,43   | 0,52             |
| 1079 | 13:00:54 | 0,15             | 0,12             | 0,20             | 2,58                      | 2,17                      | 7,04                      | 1,68   | 1,28   | 1,48   | 0,34             |
| 1080 | 13:00:59 | 0,11             | 0,31             | 0,25             | 2,58                      | 2,17                      | 7,04                      | 0,44   | 0,65   | 1,31   | 0,53             |
| 1081 | 13:01:04 | 0,16             | 0,13             | 0,19             | 2,58                      | 2,17                      | 7,04                      | 2,59   | 1,61   | 1,92   | 0,34             |
| 1082 | 13:01:09 | 0,08             | 0,11             | 0,22             | 2,58                      | 2,17                      | 7,04                      | 2,07   | 1,86   | 3,07   | 0,29             |
| 1083 | 13:01:14 | 0,07             | 0,15             | 0,24             | 2,58                      | 2,17                      | 7,04                      | 3,47   | 1,45   | 2,79   | 0,33             |
| 1084 | 13:01:19 | 0,07             | 0,06             | 0,18             | 2,58                      | 2,17                      | 7,04                      | 1,71   | 2,16   | 2,90   | 0,22             |
| 1085 | 13:01:24 | 0,07             | 0,12             | 0,28             | 2,58                      | 2,17                      | 7,04                      | 4,76   | 3,67   | 3,39   | 0,34             |
| 1086 | 13:01:29 | 0,07             | 0,14             | 0,29             | 2,58                      | 2,17                      | 7,04                      | 1,80   | 0,93   | 2,29   | 0,37             |
| 1087 | 13:01:34 | 0,10             | 0,10             | 0,26             | 2,58                      | 2,17                      | 7,04                      | 1,53   | 1,68   | 2,62   | 0,32             |
| 1088 | 13:01:39 | 0,11             | 0,10             | 0,27             | 2,58                      | 2,17                      | 7,04                      | 1,70   | 2,64   | 2,15   | 0,34             |
| 1089 | 13:01:44 | 0,25             | 0,27             | 0,25             | 2,58                      | 2,17                      | 7,04                      | 1,02   | 2,44   | 1,81   | 0,57             |
| 1090 | 13:01:49 | 0,18             | 0,49             | 0,33             | 2,58                      | 2,24                      | 7,04                      | 2,92   | 0,35   | 2,28   | 0,80             |
| 1091 | 13:01:54 | 0,26             | 0,20             | 0,44             | 2,59                      | 2,24                      | 7,04                      | 2,36   | 1,09   | 0,68   | 0,64             |
| 1092 | 13:01:59 | 0,22             | 0,09             | 0,18             | 2,59                      | 2,24                      | 7,04                      | 1,78   | 1,99   | 2,57   | 0,38             |
| 1093 | 13:02:04 | 0,12             | 0,10             | 0,40             | 2,59                      | 2,24                      | 7,04                      | 1,22   | 1,37   | 1,43   | 0,46             |
| 1094 | 13:02:09 | 0,08             | 0,10             | 0,23             | 2,59                      | 2,24                      | 7,04                      | 4,37   | 2,69   | 3,67   | 0,29             |
| 1095 | 13:02:14 | 0,10             | 0,20             | 0,32             | 2,59                      | 2,24                      | 7,04                      | 3,56   | 1,99   | 1,94   | 0,44             |
| 1096 | 13:02:19 | 0,10             | 0,18             | 0,38             | 2,59                      | 2,24                      | 7,04                      | 4,36   | 1,37   | 5,39   | 0,48             |
| 1097 | 13:02:24 | 0,14             | 0,15             | 0,42             | 2,59                      | 2,24                      | 7,04                      | 1,64   | 2,48   | 1,06   | 0,51             |
| 1098 | 13:02:29 | 0,09             | 0,10             | 0,21             | 2,59                      | 2,24                      | 7,04                      | 1,96   | 1,33   | 1,74   | 0,28             |
| 1099 | 13:02:34 | 0,06             | 0,10             | 0,22             | 2,59                      | 2,24                      | 7,04                      | 3,32   | 1,97   | 2,89   | 0,28             |
| 1100 | 13:02:39 | 0,08             | 0,07             | 0,20             | 2,59                      | 2,24                      | 7,04                      | 2,08   | 1,68   | 1,65   | 0,25             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1101 | 13:02:44 | 0,07            | 0,07            | 0,12            | 2,59                     | 2,24                     | 7,04                     | 1,20   | 1,63   | 1,18   | 0,18            |
| 1102 | 13:02:49 | 0,19            | 0,03            | 0,05            | 2,59                     | 2,24                     | 7,04                     | 0,28   | 0,93   | 1,74   | 0,28            |
| 1103 | 13:02:54 | 0,01            | 0,01            | 0,03            | 2,59                     | 2,24                     | 7,04                     | 1,23   | 1,85   | 2,56   | 0,04            |
| 1104 | 13:02:59 | 0,01            | 0,01            | 0,04            | 2,59                     | 2,24                     | 7,04                     | 3,37   | 4,27   | 2,64   | 0,04            |
| 1105 | 13:03:04 | 0,01            | 0,01            | 0,05            | 2,59                     | 2,24                     | 7,04                     | 1,73   | 2,00   | 1,35   | 0,06            |
| 1106 | 13:03:09 | 0,01            | 0,01            | 0,04            | 2,59                     | 2,24                     | 7,04                     | 2,46   | 2,61   | 1,69   | 0,04            |
| 1107 | 13:03:14 | 0,01            | 0,03            | 0,04            | 2,59                     | 2,24                     | 7,04                     | 6,02   | 3,52   | 4,07   | 0,06            |
| 1108 | 13:03:19 | 0,17            | 0,06            | 0,07            | 2,59                     | 2,24                     | 7,04                     | 1,09   | 3,60   | 4,07   | 0,26            |
| 1109 | 13:03:24 | 0,43            | 0,11            | 0,17            | 2,60                     | 2,24                     | 7,04                     | 1,08   | 1,92   | 2,15   | 0,65            |
| 1110 | 13:03:29 | 0,27            | 0,10            | 0,17            | 2,60                     | 2,24                     | 7,04                     | 1,02   | 1,97   | 2,50   | 0,43            |
| 1111 | 13:03:34 | 0,17            | 0,06            | 0,18            | 2,60                     | 2,24                     | 7,04                     | 1,00   | 2,08   | 1,84   | 0,31            |
| 1112 | 13:03:39 | 0,32            | 0,15            | 0,37            | 2,60                     | 2,24                     | 7,04                     | 2,10   | 1,73   | 1,71   | 0,62            |
| 1113 | 13:03:44 | 0,32            | 0,15            | 0,32            | 2,60                     | 2,24                     | 7,04                     | 1,02   | 0,96   | 2,08   | 0,59            |
| 1114 | 13:03:49 | 0,19            | 0,15            | 0,27            | 2,60                     | 2,24                     | 7,04                     | 1,18   | 1,05   | 1,72   | 0,43            |
| 1115 | 13:03:54 | 0,10            | 0,08            | 0,20            | 2,60                     | 2,24                     | 7,04                     | 0,79   | 1,30   | 1,19   | 0,26            |
| 1116 | 13:03:59 | 0,33            | 0,39            | 0,38            | 2,61                     | 2,25                     | 7,05                     | 0,73   | 2,87   | 1,76   | 0,81            |
| 1117 | 13:04:04 | 0,28            | 0,25            | 0,20            | 2,61                     | 2,25                     | 7,05                     | 0,69   | 0,65   | 2,09   | 0,57            |
| 1118 | 13:04:09 | 0,23            | 0,18            | 0,31            | 2,61                     | 2,25                     | 7,05                     | 0,58   | 0,79   | 1,13   | 0,51            |
| 1119 | 13:04:14 | 0,13            | 0,11            | 0,32            | 2,61                     | 2,25                     | 7,05                     | 0,90   | 1,79   | 0,88   | 0,40            |
| 1120 | 13:04:19 | 0,08            | 0,11            | 0,21            | 2,61                     | 2,25                     | 7,05                     | 3,93   | 4,37   | 3,74   | 0,28            |
| 1121 | 13:04:24 | 0,20            | 0,18            | 0,19            | 2,61                     | 2,26                     | 7,05                     | 0,63   | 0,88   | 1,27   | 0,42            |
| 1122 | 13:04:29 | 0,12            | 0,22            | 0,26            | 2,61                     | 2,26                     | 7,05                     | 2,45   | 2,13   | 3,07   | 0,44            |
| 1123 | 13:04:34 | 0,21            | 0,11            | 0,29            | 2,61                     | 2,26                     | 7,05                     | 1,09   | 1,37   | 1,12   | 0,44            |
| 1124 | 13:04:39 | 0,07            | 0,07            | 0,17            | 2,61                     | 2,26                     | 7,05                     | 4,07   | 1,58   | 3,09   | 0,22            |
| 1125 | 13:04:44 | 0,08            | 0,10            | 0,25            | 2,61                     | 2,26                     | 7,05                     | 2,12   | 2,70   | 2,23   | 0,31            |
| 1126 | 13:04:49 | 0,06            | 0,10            | 0,16            | 2,61                     | 2,26                     | 7,05                     | 2,52   | 1,90   | 2,34   | 0,23            |
| 1127 | 13:04:54 | 0,08            | 0,08            | 0,23            | 2,61                     | 2,26                     | 7,05                     | 2,41   | 2,39   | 1,62   | 0,28            |
| 1128 | 13:04:59 | 0,30            | 0,31            | 0,60            | 2,61                     | 2,26                     | 7,05                     | 0,77   | 1,61   | 0,80   | 0,86            |
| 1129 | 13:05:04 | 0,24            | 0,09            | 0,16            | 2,61                     | 2,26                     | 7,05                     | 0,63   | 1,82   | 1,80   | 0,39            |
| 1130 | 13:05:09 | 0,12            | 0,14            | 0,27            | 2,61                     | 2,26                     | 7,05                     | 2,23   | 1,81   | 2,03   | 0,37            |
| 1131 | 13:05:14 | 0,07            | 0,10            | 0,19            | 2,61                     | 2,26                     | 7,05                     | 2,50   | 3,34   | 3,01   | 0,26            |
| 1132 | 13:05:19 | 0,06            | 0,07            | 0,22            | 2,61                     | 2,26                     | 7,05                     | 2,87   | 1,84   | 2,53   | 0,25            |
| 1133 | 13:05:24 | 0,07            | 0,08            | 0,21            | 2,61                     | 2,26                     | 7,05                     | 1,50   | 1,89   | 1,93   | 0,26            |
| 1134 | 13:05:29 | 0,14            | 0,12            | 0,24            | 2,61                     | 2,26                     | 7,05                     | 2,03   | 1,59   | 1,24   | 0,35            |
| 1135 | 13:05:34 | 0,09            | 0,26            | 0,22            | 2,61                     | 2,26                     | 7,05                     | 3,30   | 1,78   | 1,52   | 0,45            |
| 1136 | 13:05:39 | 0,10            | 0,20            | 0,25            | 2,61                     | 2,26                     | 7,05                     | 2,64   | 2,02   | 1,78   | 0,40            |
| 1137 | 13:05:44 | 0,15            | 0,34            | 0,26            | 2,61                     | 2,26                     | 7,05                     | 2,05   | 1,89   | 3,28   | 0,58            |
| 1138 | 13:05:49 | 0,10            | 0,25            | 0,23            | 2,61                     | 2,27                     | 7,05                     | 1,25   | 2,80   | 2,01   | 0,44            |
| 1139 | 13:05:54 | 0,17            | 0,23            | 0,28            | 2,61                     | 2,27                     | 7,05                     | 1,18   | 0,69   | 3,18   | 0,49            |
| 1140 | 13:05:59 | 0,10            | 0,07            | 0,23            | 2,61                     | 2,27                     | 7,05                     | 1,67   | 2,00   | 1,86   | 0,29            |
| 1141 | 13:06:04 | 0,08            | 0,09            | 0,25            | 2,61                     | 2,27                     | 7,05                     | 1,71   | 1,75   | 2,16   | 0,30            |
| 1142 | 13:06:09 | 0,09            | 0,09            | 0,23            | 2,61                     | 2,27                     | 7,05                     | 2,07   | 1,58   | 2,36   | 0,29            |
| 1143 | 13:06:14 | 0,06            | 0,10            | 0,21            | 2,61                     | 2,27                     | 7,05                     | 1,76   | 1,44   | 2,74   | 0,27            |
| 1144 | 13:06:19 | 0,08            | 0,10            | 0,33            | 2,61                     | 2,27                     | 7,05                     | 1,95   | 2,43   | 1,59   | 0,37            |
| 1145 | 13:06:24 | 0,05            | 0,09            | 0,22            | 2,61                     | 2,27                     | 7,05                     | 1,96   | 2,46   | 1,90   | 0,27            |
| 1146 | 13:06:29 | 0,10            | 0,09            | 0,25            | 2,61                     | 2,27                     | 7,05                     | 1,80   | 1,24   | 3,19   | 0,32            |
| 1147 | 13:06:34 | 0,06            | 0,10            | 0,22            | 2,61                     | 2,27                     | 7,05                     | 2,40   | 2,43   | 2,52   | 0,27            |
| 1148 | 13:06:39 | 0,07            | 0,13            | 0,25            | 2,61                     | 2,27                     | 7,05                     | 1,48   | 2,77   | 1,69   | 0,32            |
| 1149 | 13:06:44 | 0,07            | 0,10            | 0,31            | 2,61                     | 2,27                     | 7,05                     | 3,97   | 2,56   | 5,38   | 0,35            |
| 1150 | 13:06:49 | 0,10            | 0,09            | 0,26            | 2,61                     | 2,27                     | 7,05                     | 2,63   | 3,54   | 4,20   | 0,32            |
| 1151 | 13:06:55 | 0,07            | 0,10            | 0,24            | 2,61                     | 2,27                     | 7,05                     | 4,39   | 2,05   | 3,25   | 0,29            |
| 1152 | 13:07:00 | 0,09            | 0,09            | 0,28            | 2,61                     | 2,27                     | 7,05                     | 0,96   | 1,91   | 2,05   | 0,33            |
| 1153 | 13:07:05 | 0,08            | 0,08            | 0,23            | 2,61                     | 2,27                     | 7,05                     | 1,61   | 1,95   | 2,73   | 0,28            |
| 1154 | 13:07:10 | 0,08            | 0,10            | 0,24            | 2,61                     | 2,27                     | 7,05                     | 1,63   | 1,67   | 2,47   | 0,30            |
| 1155 | 13:07:15 | 0,07            | 0,09            | 0,19            | 2,61                     | 2,27                     | 7,05                     | 2,54   | 2,70   | 3,56   | 0,25            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1156 | 13:07:20 | 0,09            | 0,10            | 0,25            | 2,61                     | 2,27                     | 7,05                     | 1,12   | 1,05   | 1,24   | 0,31            |
| 1157 | 13:07:25 | 0,26            | 0,22            | 0,24            | 2,61                     | 2,27                     | 7,05                     | 1,49   | 2,41   | 2,29   | 0,53            |
| 1158 | 13:07:30 | 0,30            | 0,18            | 0,16            | 2,62                     | 2,27                     | 7,05                     | 0,40   | 1,91   | 2,70   | 0,52            |
| 1159 | 13:07:35 | 0,08            | 0,07            | 0,17            | 2,62                     | 2,27                     | 7,05                     | 2,72   | 2,32   | 2,38   | 0,22            |
| 1160 | 13:07:40 | 0,12            | 0,38            | 0,33            | 2,62                     | 2,28                     | 7,05                     | 1,42   | 1,14   | 1,40   | 0,66            |
| 1161 | 13:07:45 | 0,22            | 0,30            | 0,34            | 2,62                     | 2,28                     | 7,05                     | 2,67   | 1,12   | 2,51   | 0,62            |
| 1162 | 13:07:50 | 0,10            | 0,13            | 0,22            | 2,62                     | 2,28                     | 7,05                     | 1,69   | 2,02   | 1,83   | 0,32            |
| 1163 | 13:07:55 | 0,16            | 0,23            | 0,25            | 2,62                     | 2,28                     | 7,05                     | 1,85   | 0,96   | 2,44   | 0,47            |
| 1164 | 13:08:00 | 0,23            | 0,19            | 0,25            | 2,62                     | 2,28                     | 7,05                     | 2,56   | 0,76   | 2,31   | 0,49            |
| 1165 | 13:08:05 | 0,09            | 0,07            | 0,29            | 2,62                     | 2,28                     | 7,05                     | 2,31   | 3,35   | 3,15   | 0,34            |
| 1166 | 13:08:10 | 0,09            | 0,11            | 0,33            | 2,62                     | 2,28                     | 7,05                     | 1,45   | 1,68   | 2,60   | 0,39            |
| 1167 | 13:08:15 | 0,12            | 0,19            | 0,40            | 2,62                     | 2,28                     | 7,05                     | 1,11   | 1,75   | 2,55   | 0,51            |
| 1168 | 13:08:20 | 0,11            | 0,08            | 0,14            | 2,62                     | 2,28                     | 7,05                     | 4,10   | 1,25   | 1,41   | 0,23            |
| 1169 | 13:08:25 | 0,12            | 0,10            | 0,10            | 2,62                     | 2,28                     | 7,05                     | 0,56   | 0,53   | 0,72   | 0,23            |
| 1170 | 13:08:30 | 0,35            | 0,06            | 0,10            | 2,62                     | 2,28                     | 7,05                     | 2,47   | 3,34   | 3,09   | 0,51            |
| 1171 | 13:08:35 | 0,21            | 0,32            | 0,31            | 2,62                     | 2,28                     | 7,05                     | 1,34   | 1,70   | 2,29   | 0,62            |
| 1172 | 13:08:40 | 0,24            | 0,22            | 0,25            | 2,62                     | 2,28                     | 7,05                     | 3,68   | 1,54   | 1,80   | 0,51            |
| 1173 | 13:08:45 | 0,30            | 0,16            | 0,27            | 2,63                     | 2,28                     | 7,05                     | 0,48   | 2,83   | 1,01   | 0,55            |
| 1174 | 13:08:50 | 0,20            | 0,22            | 0,19            | 2,63                     | 2,28                     | 7,05                     | 3,02   | 1,80   | 4,08   | 0,46            |
| 1175 | 13:08:55 | 0,16            | 0,32            | 0,16            | 2,63                     | 2,29                     | 7,05                     | 1,32   | 0,75   | 0,51   | 0,53            |
| 1176 | 13:09:00 | 0,07            | 0,03            | 0,03            | 2,63                     | 2,29                     | 7,05                     | 0,31   | 0,66   | 2,30   | 0,11            |
| 1177 | 13:09:05 | 0,01            | 0,02            | 0,03            | 2,63                     | 2,29                     | 7,05                     | 3,21   | 3,29   | 3,25   | 0,04            |
| 1178 | 13:09:10 | 0,01            | 0,01            | 0,03            | 2,63                     | 2,29                     | 7,05                     | 3,17   | 1,68   | 3,34   | 0,04            |
| 1179 | 13:09:15 | 0,01            | 0,01            | 0,02            | 2,63                     | 2,29                     | 7,05                     | 1,34   | 1,75   | 2,21   | 0,03            |
| 1180 | 13:09:20 | 0,01            | 0,01            | 0,04            | 2,63                     | 2,29                     | 7,05                     | 1,38   | 1,88   | 1,96   | 0,04            |
| 1181 | 13:09:25 | 0,01            | 0,01            | 0,03            | 2,63                     | 2,29                     | 7,05                     | 2,71   | 2,72   | 2,87   | 0,03            |
| 1182 | 13:09:30 | 0,07            | 0,04            | 0,05            | 2,63                     | 2,29                     | 7,05                     | 3,39   | 1,86   | 2,33   | 0,13            |
| 1183 | 13:09:35 | 0,34            | 0,11            | 0,28            | 2,63                     | 2,29                     | 7,05                     | 1,13   | 2,05   | 2,86   | 0,57            |
| 1184 | 13:09:40 | 0,23            | 0,28            | 0,47            | 2,63                     | 2,29                     | 7,05                     | 1,61   | 0,87   | 1,29   | 0,69            |
| 1185 | 13:09:45 | 0,19            | 0,12            | 0,18            | 2,63                     | 2,29                     | 7,05                     | 1,14   | 2,90   | 2,95   | 0,36            |
| 1186 | 13:09:50 | 0,19            | 0,10            | 0,15            | 2,63                     | 2,29                     | 7,05                     | 0,83   | 0,65   | 1,64   | 0,33            |
| 1187 | 13:09:55 | 0,08            | 0,10            | 0,21            | 2,63                     | 2,29                     | 7,05                     | 3,11   | 3,92   | 3,98   | 0,27            |
| 1188 | 13:10:00 | 0,22            | 0,25            | 0,48            | 2,63                     | 2,29                     | 7,05                     | 0,53   | 0,87   | 1,16   | 0,67            |
| 1189 | 13:10:05 | 0,05            | 0,13            | 0,16            | 2,63                     | 2,29                     | 7,05                     | 2,73   | 1,84   | 3,24   | 0,25            |
| 1190 | 13:10:10 | 0,07            | 0,12            | 0,26            | 2,63                     | 2,29                     | 7,05                     | 1,65   | 1,67   | 3,07   | 0,32            |
| 1191 | 13:10:15 | 0,09            | 0,20            | 0,34            | 2,63                     | 2,29                     | 7,05                     | 1,42   | 1,32   | 3,05   | 0,46            |
| 1192 | 13:10:20 | 0,05            | 0,11            | 0,14            | 2,63                     | 2,29                     | 7,05                     | 1,70   | 1,09   | 2,67   | 0,22            |
| 1193 | 13:10:25 | 0,05            | 0,12            | 0,18            | 2,63                     | 2,29                     | 7,05                     | 2,61   | 1,07   | 1,29   | 0,26            |
| 1194 | 13:10:30 | 0,16            | 0,39            | 0,31            | 2,63                     | 2,30                     | 7,05                     | 1,76   | 1,65   | 2,88   | 0,67            |
| 1195 | 13:10:35 | 0,12            | 0,20            | 0,24            | 2,63                     | 2,30                     | 7,05                     | 1,74   | 0,93   | 1,57   | 0,40            |
| 1196 | 13:10:40 | 0,09            | 0,05            | 0,14            | 2,63                     | 2,30                     | 7,05                     | 1,09   | 1,42   | 2,77   | 0,20            |
| 1197 | 13:10:45 | 0,08            | 0,06            | 0,18            | 2,63                     | 2,30                     | 7,05                     | 1,96   | 2,06   | 2,72   | 0,22            |
| 1198 | 13:10:50 | 0,13            | 0,26            | 0,25            | 2,63                     | 2,30                     | 7,05                     | 3,13   | 2,05   | 1,78   | 0,48            |
| 1199 | 13:10:55 | 0,12            | 0,33            | 0,12            | 2,63                     | 2,30                     | 7,05                     | 2,24   | 0,39   | 2,34   | 0,51            |
| 1200 | 13:11:00 | 0,23            | 0,22            | 0,11            | 2,63                     | 2,30                     | 7,05                     | 0,24   | 0,43   | 2,45   | 0,46            |
| 1201 | 13:11:05 | 0,32            | 0,28            | 0,20            | 2,64                     | 2,31                     | 7,05                     | 0,06   | 0,33   | 0,95   | 0,63            |
| 1202 | 13:11:10 | 0,01            | 0,02            | 0,08            | 2,64                     | 2,31                     | 7,05                     | 2,96   | 2,04   | 2,28   | 0,09            |
| 1203 | 13:11:15 | 0,02            | 0,04            | 0,08            | 2,64                     | 2,31                     | 7,05                     | 1,76   | 1,29   | 2,39   | 0,10            |
| 1204 | 13:11:20 | 0,02            | 0,03            | 0,11            | 2,64                     | 2,31                     | 7,05                     | 2,10   | 1,36   | 1,40   | 0,12            |
| 1205 | 13:11:25 | 0,01            | 0,04            | 0,08            | 2,64                     | 2,31                     | 7,05                     | 3,07   | 4,23   | 2,10   | 0,10            |
| 1206 | 13:11:30 | 0,02            | 0,04            | 0,10            | 2,64                     | 2,31                     | 7,05                     | 8,67   | 4,63   | 4,00   | 0,11            |
| 1207 | 13:11:35 | 0,02            | 0,06            | 0,10            | 2,64                     | 2,31                     | 7,05                     | 1,80   | 1,86   | 3,06   | 0,13            |
| 1208 | 13:11:40 | 0,01            | 0,04            | 0,09            | 2,64                     | 2,31                     | 7,05                     | 2,63   | 2,95   | 1,99   | 0,11            |
| 1209 | 13:11:45 | 0,01            | 0,04            | 0,09            | 2,64                     | 2,31                     | 7,05                     | 1,49   | 2,09   | 2,36   | 0,11            |
| 1210 | 13:11:50 | 0,01            | 0,04            | 0,09            | 2,64                     | 2,31                     | 7,05                     | 1,91   | 2,01   | 2,73   | 0,10            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1211 | 13:11:55 | 0,01            | 0,06            | 0,10            | 2,64                     | 2,31                     | 7,05                     | 2,01   | 0,72   | 1,94   | 0,13            |
| 1212 | 13:12:00 | 0,03            | 0,05            | 0,10            | 2,64                     | 2,31                     | 7,05                     | 1,21   | 1,82   | 2,16   | 0,13            |
| 1213 | 13:12:05 | 0,03            | 0,08            | 0,16            | 2,64                     | 2,31                     | 7,05                     | 2,13   | 2,69   | 1,53   | 0,20            |
| 1214 | 13:12:10 | 0,03            | 0,04            | 0,10            | 2,64                     | 2,31                     | 7,05                     | 0,95   | 3,07   | 2,33   | 0,12            |
| 1215 | 13:12:15 | 0,49            | 0,25            | 1,51            | 2,69                     | 2,31                     | 7,27                     | 2,56   | 2,50   | 0,79   | 1,70            |
| 1216 | 13:12:20 | 0,05            | 0,12            | 0,10            | 2,69                     | 2,31                     | 7,27                     | 1,39   | 0,61   | 3,51   | 0,20            |
| 1217 | 13:12:25 | 0,17            | 0,09            | 0,10            | 2,69                     | 2,31                     | 7,27                     | 0,61   | 1,36   | 3,07   | 0,29            |
| 1218 | 13:12:30 | 0,20            | 0,20            | 0,09            | 2,69                     | 2,31                     | 7,27                     | 1,27   | 0,51   | 2,28   | 0,41            |
| 1219 | 13:12:35 | 0,15            | 0,12            | 0,06            | 2,69                     | 2,31                     | 7,27                     | 2,49   | 1,48   | 3,80   | 0,28            |
| 1220 | 13:12:40 | 0,12            | 0,06            | 0,05            | 2,69                     | 2,31                     | 7,27                     | 0,57   | 0,61   | 1,65   | 0,20            |
| 1221 | 13:12:45 | 0,09            | 0,03            | 0,05            | 2,69                     | 2,31                     | 7,27                     | 0,13   | 0,42   | 0,99   | 0,14            |
| 1222 | 13:12:50 | 0,01            | 0,01            | 0,03            | 2,69                     | 2,31                     | 7,27                     | 3,46   | 1,87   | 1,92   | 0,04            |
| 1223 | 13:12:55 | 0,27            | 0,16            | 0,08            | 2,70                     | 2,31                     | 7,27                     | 2,93   | 1,74   | 2,54   | 0,45            |
| 1224 | 13:13:00 | 0,31            | 0,17            | 0,21            | 2,70                     | 2,31                     | 7,27                     | 0,91   | 1,71   | 2,00   | 0,53            |
| 1225 | 13:13:05 | 0,09            | 0,13            | 0,23            | 2,70                     | 2,31                     | 7,27                     | 2,23   | 2,69   | 2,05   | 0,32            |
| 1226 | 13:13:10 | 0,13            | 0,07            | 0,08            | 2,70                     | 2,31                     | 7,27                     | 2,37   | 1,12   | 1,35   | 0,23            |
| 1227 | 13:13:15 | 0,09            | 0,04            | 0,04            | 2,70                     | 2,31                     | 7,27                     | 1,40   | 2,67   | 2,38   | 0,15            |
| 1228 | 13:13:20 | 0,23            | 0,08            | 0,10            | 2,70                     | 2,31                     | 7,27                     | 1,90   | 1,63   | 1,20   | 0,35            |
| 1229 | 13:13:25 | 0,11            | 0,03            | 0,04            | 2,70                     | 2,31                     | 7,27                     | 1,29   | 1,94   | 2,65   | 0,17            |
| 1230 | 13:13:30 | 0,45            | 0,33            | 0,29            | 2,71                     | 2,31                     | 7,27                     | 1,55   | 2,05   | 2,68   | 0,83            |
| 1231 | 13:13:35 | 0,28            | 0,34            | 0,39            | 2,71                     | 2,31                     | 7,27                     | 3,09   | 2,12   | 0,87   | 0,73            |
| 1232 | 13:13:40 | 0,16            | 0,10            | 0,15            | 2,71                     | 2,31                     | 7,27                     | 1,90   | 2,18   | 2,74   | 0,31            |
| 1233 | 13:13:45 | 0,13            | 0,08            | 0,11            | 2,71                     | 2,31                     | 7,27                     | 2,48   | 1,29   | 1,68   | 0,24            |
| 1234 | 13:13:50 | 0,09            | 0,03            | 0,04            | 2,71                     | 2,31                     | 7,27                     | 0,50   | 0,75   | 1,72   | 0,14            |
| 1235 | 13:13:55 | 0,01            | 0,01            | 0,02            | 2,71                     | 2,31                     | 7,27                     | 2,29   | 2,39   | 2,72   | 0,03            |
| 1236 | 13:14:00 | 0,01            | 0,02            | 0,03            | 2,71                     | 2,31                     | 7,27                     | 1,82   | 1,27   | 2,43   | 0,04            |
| 1237 | 13:14:05 | 0,01            | 0,01            | 0,03            | 2,71                     | 2,31                     | 7,27                     | 4,42   | 5,07   | 4,72   | 0,03            |
| 1238 | 13:14:10 | 0,08            | 0,02            | 0,04            | 2,71                     | 2,31                     | 7,27                     | 5,60   | 2,52   | 4,24   | 0,13            |
| 1239 | 13:14:15 | 0,14            | 0,03            | 0,04            | 2,71                     | 2,31                     | 7,27                     | 0,73   | 1,44   | 1,88   | 0,21            |
| 1240 | 13:14:20 | 0,44            | 0,14            | 0,24            | 2,71                     | 2,31                     | 7,27                     | 0,54   | 2,58   | 1,84   | 0,69            |
| 1241 | 13:14:25 | 0,21            | 0,31            | 0,40            | 2,71                     | 2,32                     | 7,27                     | 1,18   | 2,42   | 2,42   | 0,66            |
| 1242 | 13:14:30 | 0,10            | 0,28            | 0,29            | 2,71                     | 2,32                     | 7,28                     | 2,10   | 0,87   | 1,04   | 0,51            |
| 1243 | 13:14:35 | 0,07            | 0,09            | 0,18            | 2,71                     | 2,32                     | 7,28                     | 3,04   | 1,70   | 1,89   | 0,24            |
| 1244 | 13:14:40 | 0,17            | 0,36            | 0,59            | 2,71                     | 2,33                     | 7,28                     | 1,21   | 3,11   | 1,40   | 0,81            |
| 1245 | 13:14:45 | 0,18            | 0,56            | 0,27            | 2,71                     | 2,35                     | 7,28                     | 2,23   | 0,38   | 2,24   | 0,87            |
| 1246 | 13:14:50 | 0,24            | 0,08            | 0,20            | 2,71                     | 2,35                     | 7,28                     | 0,57   | 3,22   | 2,14   | 0,41            |
| 1247 | 13:14:55 | 0,16            | 0,20            | 0,27            | 2,71                     | 2,35                     | 7,28                     | 3,03   | 2,65   | 3,62   | 0,45            |
| 1248 | 13:15:00 | 0,44            | 0,27            | 0,21            | 2,72                     | 2,35                     | 7,28                     | 2,59   | 1,63   | 1,30   | 0,75            |
| 1249 | 13:15:05 | 0,40            | 0,20            | 0,15            | 2,72                     | 2,35                     | 7,28                     | 1,68   | 1,20   | 3,17   | 0,64            |
| 1250 | 13:15:10 | 0,14            | 0,06            | 0,18            | 2,72                     | 2,35                     | 7,28                     | 1,72   | 1,72   | 2,16   | 0,28            |
| 1251 | 13:15:15 | 0,19            | 0,10            | 0,14            | 2,72                     | 2,35                     | 7,28                     | 2,31   | 1,12   | 1,18   | 0,33            |
| 1252 | 13:15:20 | 0,12            | 0,03            | 0,05            | 2,72                     | 2,35                     | 7,28                     | 0,15   | 2,65   | 2,80   | 0,18            |
| 1253 | 13:15:25 | 0,01            | 0,03            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 2,00   | 1,54   | 1,79   | 0,05            |
| 1254 | 13:15:30 | 0,01            | 0,01            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 2,17   | 1,77   | 2,21   | 0,03            |
| 1255 | 13:15:35 | 0,01            | 0,01            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 1,22   | 1,98   | 2,62   | 0,03            |
| 1256 | 13:15:40 | 0,01            | 0,03            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 1,49   | 1,87   | 3,25   | 0,04            |
| 1257 | 13:15:45 | 0,00            | 0,01            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 2,98   | 0,98   | 2,39   | 0,03            |
| 1258 | 13:15:50 | 0,01            | 0,01            | 0,02            | 2,72                     | 2,35                     | 7,28                     | 5,96   | 3,22   | 3,96   | 0,02            |
| 1259 | 13:15:55 | 0,22            | 0,03            | 0,07            | 2,73                     | 2,35                     | 7,28                     | 3,58   | 3,44   | 4,26   | 0,31            |
| 1260 | 13:16:00 | 0,27            | 0,17            | 0,16            | 2,73                     | 2,35                     | 7,28                     | 0,62   | 1,61   | 2,24   | 0,48            |
| 1261 | 13:16:05 | 0,16            | 0,21            | 0,31            | 2,73                     | 2,35                     | 7,28                     | 2,32   | 2,00   | 4,01   | 0,48            |
| 1262 | 13:16:10 | 0,09            | 0,21            | 0,23            | 2,73                     | 2,35                     | 7,28                     | 2,82   | 1,72   | 2,83   | 0,40            |
| 1263 | 13:16:15 | 0,21            | 0,26            | 0,18            | 2,73                     | 2,35                     | 7,28                     | 1,56   | 0,69   | 0,80   | 0,50            |
| 1264 | 13:16:20 | 0,06            | 0,03            | 0,07            | 2,73                     | 2,35                     | 7,28                     | 0,85   | 1,94   | 2,52   | 0,11            |
| 1265 | 13:16:25 | 0,02            | 0,04            | 0,05            | 2,73                     | 2,35                     | 7,28                     | 3,49   | 6,30   | 5,14   | 0,07            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1266 | 13:16:30 | 0,40             | 0,07             | 0,12             | 2,74                      | 2,35                      | 7,28                      | 0,44   | 2,70   | 0,63   | 0,58             |
| 1267 | 13:16:35 | 0,14             | 0,05             | 0,06             | 2,74                      | 2,35                      | 7,28                      | 1,78   | 2,03   | 1,66   | 0,21             |
| 1268 | 13:16:40 | 0,05             | 0,02             | 0,03             | 2,74                      | 2,35                      | 7,28                      | 0,26   | 0,55   | 1,87   | 0,08             |
| 1269 | 13:16:45 | 0,01             | 0,01             | 0,02             | 2,74                      | 2,35                      | 7,28                      | 2,40   | 1,74   | 2,77   | 0,03             |
| 1270 | 13:16:50 | 0,00             | 0,01             | 0,02             | 2,74                      | 2,35                      | 7,28                      | 2,85   | 2,36   | 3,73   | 0,03             |
| 1271 | 13:16:55 | 0,08             | 0,04             | 0,04             | 2,74                      | 2,35                      | 7,28                      | 1,81   | 2,71   | 2,69   | 0,13             |
| 1272 | 13:17:00 | 0,21             | 0,09             | 0,09             | 2,74                      | 2,35                      | 7,28                      | 0,52   | 1,44   | 1,65   | 0,33             |
| 1273 | 13:17:05 | 0,44             | 0,19             | 0,24             | 2,75                      | 2,35                      | 7,28                      | 0,74   | 1,97   | 2,00   | 0,72             |
| 1274 | 13:17:10 | 0,14             | 0,20             | 0,18             | 2,75                      | 2,35                      | 7,28                      | 1,65   | 2,05   | 1,87   | 0,39             |
| 1275 | 13:17:15 | 0,18             | 0,08             | 0,07             | 2,75                      | 2,35                      | 7,28                      | 0,51   | 1,98   | 2,02   | 0,29             |
| 1276 | 13:17:20 | 0,09             | 0,09             | 0,06             | 2,75                      | 2,35                      | 7,28                      | 0,38   | 0,28   | 3,84   | 0,19             |
| 1277 | 13:17:25 | 0,01             | 0,02             | 0,02             | 2,75                      | 2,35                      | 7,28                      | 1,70   | 1,14   | 2,66   | 0,03             |
| 1278 | 13:17:30 | 0,01             | 0,03             | 0,03             | 2,75                      | 2,35                      | 7,28                      | 2,06   | 0,86   | 2,66   | 0,05             |
| 1279 | 13:17:35 | 0,01             | 0,02             | 0,02             | 2,75                      | 2,35                      | 7,28                      | 2,28   | 1,76   | 2,23   | 0,03             |
| 1280 | 13:17:40 | 0,00             | 0,01             | 0,02             | 2,75                      | 2,35                      | 7,28                      | 2,53   | 2,11   | 2,68   | 0,03             |
| 1281 | 13:17:45 | 0,01             | 0,01             | 0,03             | 2,75                      | 2,35                      | 7,28                      | 3,60   | 3,09   | 3,20   | 0,03             |
| 1282 | 13:17:50 | 0,12             | 0,05             | 0,05             | 2,75                      | 2,35                      | 7,28                      | 1,25   | 1,42   | 1,88   | 0,18             |
| 1283 | 13:17:55 | 0,32             | 0,27             | 0,23             | 2,75                      | 2,35                      | 7,28                      | 0,73   | 1,83   | 3,24   | 0,63             |
| 1284 | 13:18:00 | 0,21             | 0,32             | 0,26             | 2,75                      | 2,36                      | 7,28                      | 1,04   | 1,72   | 1,79   | 0,60             |
| 1285 | 13:18:05 | 0,19             | 0,08             | 0,19             | 2,75                      | 2,36                      | 7,28                      | 0,95   | 1,61   | 1,98   | 0,34             |
| 1286 | 13:18:10 | 0,05             | 0,09             | 0,20             | 2,75                      | 2,36                      | 7,28                      | 3,23   | 2,64   | 2,71   | 0,25             |
| 1287 | 13:18:15 | 0,08             | 0,14             | 0,29             | 2,75                      | 2,36                      | 7,28                      | 1,14   | 0,88   | 1,07   | 0,37             |
| 1288 | 13:18:20 | 0,11             | 0,10             | 0,32             | 2,75                      | 2,36                      | 7,28                      | 2,91   | 1,42   | 2,79   | 0,38             |
| 1289 | 13:18:25 | 0,11             | 0,14             | 0,24             | 2,75                      | 2,36                      | 7,28                      | 1,50   | 1,73   | 0,94   | 0,34             |
| 1290 | 13:18:30 | 0,13             | 0,04             | 0,05             | 2,75                      | 2,36                      | 7,28                      | 0,07   | 0,48   | 1,37   | 0,20             |
| 1291 | 13:18:35 | 0,01             | 0,01             | 0,02             | 2,75                      | 2,36                      | 7,28                      | 3,05   | 3,82   | 3,17   | 0,03             |
| 1292 | 13:18:40 | 0,01             | 0,01             | 0,03             | 2,75                      | 2,36                      | 7,28                      | 2,30   | 2,78   | 2,69   | 0,03             |
| 1293 | 13:18:45 | 0,01             | 0,01             | 0,02             | 2,75                      | 2,36                      | 7,28                      | 2,66   | 2,09   | 2,27   | 0,03             |
| 1294 | 13:18:50 | 0,00             | 0,01             | 0,02             | 2,75                      | 2,36                      | 7,28                      | 1,72   | 2,30   | 2,16   | 0,03             |
| 1295 | 13:18:55 | 0,00             | 0,01             | 0,02             | 2,75                      | 2,36                      | 7,28                      | 2,02   | 2,96   | 2,99   | 0,03             |
| 1296 | 13:19:00 | 0,04             | 0,02             | 0,04             | 2,75                      | 2,36                      | 7,28                      | 1,45   | 1,61   | 1,90   | 0,08             |
| 1297 | 13:19:05 | 0,36             | 0,26             | 0,22             | 2,75                      | 2,36                      | 7,28                      | 0,50   | 2,96   | 2,98   | 0,66             |
| 1298 | 13:19:10 | 0,19             | 0,49             | 0,43             | 2,75                      | 2,38                      | 7,28                      | 1,66   | 0,60   | 0,78   | 0,85             |
| 1299 | 13:19:15 | 0,18             | 0,16             | 0,22             | 2,75                      | 2,38                      | 7,28                      | 1,24   | 2,93   | 4,35   | 0,41             |
| 1300 | 13:19:20 | 0,20             | 0,15             | 0,38             | 2,75                      | 2,38                      | 7,28                      | 1,90   | 1,07   | 0,60   | 0,52             |
| 1301 | 13:19:25 | 0,13             | 0,06             | 0,07             | 2,75                      | 2,38                      | 7,28                      | 1,87   | 0,47   | 1,23   | 0,21             |
| 1302 | 13:19:30 | 0,04             | 0,01             | 0,02             | 2,75                      | 2,38                      | 7,28                      | 0,32   | 1,11   | 2,90   | 0,07             |
| 1303 | 13:19:35 | 0,01             | 0,02             | 0,03             | 2,75                      | 2,38                      | 7,28                      | 2,40   | 0,98   | 2,49   | 0,04             |
| 1304 | 13:19:40 | 0,01             | 0,02             | 0,03             | 2,75                      | 2,38                      | 7,28                      | 1,38   | 1,72   | 2,74   | 0,04             |
| 1305 | 13:19:45 | 0,01             | 0,01             | 0,03             | 2,75                      | 2,38                      | 7,28                      | 4,09   | 3,00   | 2,60   | 0,03             |
| 1306 | 13:19:50 | 0,01             | 0,01             | 0,03             | 2,75                      | 2,38                      | 7,28                      | 1,65   | 1,73   | 1,87   | 0,04             |
| 1307 | 13:19:55 | 0,01             | 0,01             | 0,03             | 2,75                      | 2,38                      | 7,28                      | 2,73   | 1,62   | 2,04   | 0,03             |
| 1308 | 13:20:00 | 0,01             | 0,01             | 0,04             | 2,75                      | 2,38                      | 7,28                      | 5,61   | 2,66   | 1,20   | 0,04             |
| 1309 | 13:20:05 | 0,02             | 0,01             | 0,04             | 2,75                      | 2,38                      | 7,28                      | 1,52   | 2,70   | 8,16   | 0,05             |
| 1310 | 13:20:10 | 0,01             | 0,02             | 0,04             | 2,75                      | 2,38                      | 7,28                      | 1,44   | 1,10   | 2,52   | 0,06             |
| 1311 | 13:20:15 | 0,25             | 0,18             | 0,32             | 2,75                      | 2,38                      | 7,28                      | 1,77   | 2,07   | 3,55   | 0,54             |
| 1312 | 13:20:20 | 0,25             | 0,37             | 0,51             | 2,75                      | 2,38                      | 7,28                      | 1,48   | 2,11   | 1,07   | 0,81             |
| 1313 | 13:20:25 | 0,10             | 0,14             | 0,28             | 2,75                      | 2,38                      | 7,28                      | 1,69   | 1,76   | 2,57   | 0,36             |
| 1314 | 13:20:30 | 0,15             | 0,22             | 0,52             | 2,75                      | 2,38                      | 7,28                      | 1,76   | 2,19   | 2,28   | 0,64             |
| 1315 | 13:20:35 | 0,17             | 0,65             | 0,44             | 2,75                      | 2,43                      | 7,28                      | 1,31   | 1,98   | 1,17   | 1,04             |
| 1316 | 13:20:40 | 0,18             | 0,27             | 0,32             | 2,75                      | 2,43                      | 7,28                      | 1,81   | 0,52   | 1,35   | 0,55             |
| 1317 | 13:20:45 | 0,32             | 0,17             | 0,12             | 2,76                      | 2,43                      | 7,28                      | 0,98   | 1,13   | 1,11   | 0,52             |
| 1318 | 13:20:50 | 0,08             | 0,11             | 0,04             | 2,76                      | 2,43                      | 7,28                      | 1,78   | 0,75   | 2,34   | 0,19             |
| 1319 | 13:20:55 | 0,15             | 0,05             | 0,05             | 2,76                      | 2,43                      | 7,28                      | 5,29   | 1,95   | 6,44   | 0,22             |
| 1320 | 13:21:00 | 0,11             | 0,05             | 0,06             | 2,76                      | 2,43                      | 7,28                      | 0,24   | 0,75   | 1,61   | 0,18             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1321 | 13:21:05 | 0,02            | 0,04            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 2,73   | 4,60   | 2,53   | 0,07            |
| 1322 | 13:21:10 | 0,02            | 0,06            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 0,60   | 0,47   | 1,70   | 0,09            |
| 1323 | 13:21:15 | 0,01            | 0,02            | 0,04            | 2,76                     | 2,43                     | 7,28                     | 3,35   | 3,11   | 3,18   | 0,05            |
| 1324 | 13:21:20 | 0,01            | 0,01            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 1,32   | 1,27   | 2,02   | 0,04            |
| 1325 | 13:21:25 | 0,02            | 0,02            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 0,63   | 2,33   | 2,54   | 0,05            |
| 1326 | 13:21:30 | 0,01            | 0,01            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 2,75   | 1,46   | 3,17   | 0,03            |
| 1327 | 13:21:35 | 0,01            | 0,04            | 0,04            | 2,76                     | 2,43                     | 7,28                     | 1,59   | 0,48   | 2,54   | 0,07            |
| 1328 | 13:21:40 | 0,01            | 0,01            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 2,53   | 2,99   | 2,69   | 0,03            |
| 1329 | 13:21:45 | 0,00            | 0,01            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 2,78   | 2,68   | 2,90   | 0,03            |
| 1330 | 13:21:50 | 0,01            | 0,01            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 1,51   | 2,80   | 3,17   | 0,03            |
| 1331 | 13:21:55 | 0,02            | 0,04            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 3,37   | 2,52   | 1,84   | 0,07            |
| 1332 | 13:22:00 | 0,02            | 0,08            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 0,64   | 0,22   | 1,59   | 0,12            |
| 1333 | 13:22:05 | 0,02            | 0,03            | 0,03            | 2,76                     | 2,43                     | 7,28                     | 1,41   | 1,22   | 1,88   | 0,05            |
| 1334 | 13:22:10 | 0,09            | 0,17            | 0,09            | 2,76                     | 2,43                     | 7,28                     | 6,07   | 4,19   | 5,06   | 0,28            |
| 1335 | 13:22:15 | 0,24            | 0,11            | 0,13            | 2,77                     | 2,43                     | 7,28                     | 0,17   | 2,12   | 4,96   | 0,39            |
| 1336 | 13:22:20 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,12   | 1,61   | 2,22   | 0,10            |
| 1337 | 13:22:25 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,83   | 2,12   | 1,92   | 0,10            |
| 1338 | 13:22:30 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,34   | 2,10   | 1,97   | 0,10            |
| 1339 | 13:22:35 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,37   | 2,26   | 1,82   | 0,10            |
| 1340 | 13:22:40 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,97   | 2,26   | 2,05   | 0,10            |
| 1341 | 13:22:45 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,24   | 2,18   | 1,86   | 0,10            |
| 1342 | 13:22:50 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 1,84   | 2,01   | 2,00   | 0,10            |
| 1343 | 13:22:55 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 1,97   | 2,00   | 1,74   | 0,10            |
| 1344 | 13:23:00 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 3,24   | 2,00   | 1,93   | 0,10            |
| 1345 | 13:23:05 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,20   | 2,30   | 2,02   | 0,10            |
| 1346 | 13:23:10 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,68   | 1,89   | 1,93   | 0,10            |
| 1347 | 13:23:15 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,00   | 1,99   | 1,95   | 0,10            |
| 1348 | 13:23:20 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 3,67   | 2,30   | 2,06   | 0,10            |
| 1349 | 13:23:25 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,40   | 2,15   | 1,91   | 0,10            |
| 1350 | 13:23:30 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,34   | 1,81   | 1,89   | 0,10            |
| 1351 | 13:23:35 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,39   | 2,01   | 1,97   | 0,10            |
| 1352 | 13:23:40 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,68   | 2,05   | 2,08   | 0,10            |
| 1353 | 13:23:45 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,27   | 2,09   | 1,85   | 0,10            |
| 1354 | 13:23:50 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,57   | 2,39   | 1,75   | 0,10            |
| 1355 | 13:23:55 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,09   | 2,09   | 1,94   | 0,10            |
| 1356 | 13:24:00 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 2,65   | 2,48   | 1,99   | 0,10            |
| 1357 | 13:24:05 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 3,11   | 1,91   | 2,01   | 0,10            |
| 1358 | 13:24:10 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 4,18   | 1,99   | 1,89   | 0,10            |
| 1359 | 13:24:15 | 0,01            | 0,02            | 0,09            | 2,77                     | 2,43                     | 7,28                     | 3,08   | 2,22   | 1,77   | 0,10            |
| 1360 | 13:24:20 | 0,02            | 0,05            | 0,12            | 2,77                     | 2,43                     | 7,28                     | 2,51   | 2,95   | 3,68   | 0,14            |
| 1361 | 13:24:25 | 0,28            | 0,13            | 0,22            | 2,77                     | 2,43                     | 7,29                     | 0,04   | 0,17   | 0,23   | 0,48            |
| 1362 | 13:24:30 | 0,01            | 0,01            | 0,03            | 2,77                     | 2,43                     | 7,29                     | 2,44   | 2,37   | 2,43   | 0,03            |
| 1363 | 13:24:35 | 0,10            | 0,12            | 0,06            | 2,77                     | 2,43                     | 7,29                     | 1,02   | 1,68   | 4,11   | 0,23            |
| 1364 | 13:24:40 | 0,01            | 0,02            | 0,03            | 2,77                     | 2,43                     | 7,29                     | 1,04   | 0,91   | 2,16   | 0,04            |
| 1365 | 13:24:45 | 0,01            | 0,01            | 0,03            | 2,77                     | 2,43                     | 7,29                     | 2,66   | 3,08   | 1,93   | 0,03            |
| 1366 | 13:24:50 | 0,01            | 0,01            | 0,02            | 2,77                     | 2,43                     | 7,29                     | 2,93   | 2,79   | 3,11   | 0,03            |
| 1367 | 13:24:55 | 0,01            | 0,02            | 0,03            | 2,77                     | 2,43                     | 7,29                     | 3,38   | 2,11   | 3,52   | 0,04            |
| 1368 | 13:25:00 | 0,02            | 0,02            | 0,03            | 2,77                     | 2,43                     | 7,29                     | 2,02   | 2,48   | 3,47   | 0,04            |
| 1369 | 13:25:05 | 0,23            | 0,19            | 0,25            | 2,77                     | 2,43                     | 7,29                     | 0,35   | 0,78   | 1,03   | 0,49            |
| 1370 | 13:25:10 | 0,01            | 0,04            | 0,13            | 2,77                     | 2,43                     | 7,29                     | 1,52   | 1,80   | 1,61   | 0,14            |
| 1371 | 13:25:15 | 0,01            | 0,02            | 0,10            | 2,77                     | 2,43                     | 7,29                     | 1,93   | 2,09   | 1,79   | 0,10            |
| 1372 | 13:25:20 | 0,01            | 0,02            | 0,10            | 2,77                     | 2,43                     | 7,29                     | 3,50   | 2,07   | 1,93   | 0,10            |
| 1373 | 13:25:25 | 0,01            | 0,02            | 0,10            | 2,77                     | 2,43                     | 7,29                     | 2,80   | 2,29   | 2,07   | 0,10            |
| 1374 | 13:25:30 | 0,01            | 0,02            | 0,10            | 2,77                     | 2,43                     | 7,29                     | 3,20   | 2,40   | 2,05   | 0,10            |
| 1375 | 13:25:35 | 0,01            | 0,02            | 0,10            | 2,77                     | 2,43                     | 7,29                     | 3,35   | 2,05   | 1,88   | 0,10            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1376 | 13:25:40 | 0,01             | 0,02             | 0,10             | 2,77                      | 2,43                      | 7,29                      | 1,87   | 2,50   | 2,00   | 0,10             |
| 1377 | 13:25:45 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,45   | 2,18   | 1,76   | 0,10             |
| 1378 | 13:25:50 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,77   | 2,12   | 1,89   | 0,10             |
| 1379 | 13:25:55 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,94   | 2,17   | 2,04   | 0,10             |
| 1380 | 13:26:00 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,93   | 1,94   | 1,91   | 0,10             |
| 1381 | 13:26:05 | 0,01             | 0,02             | 0,10             | 2,77                      | 2,43                      | 7,29                      | 3,49   | 2,09   | 1,90   | 0,10             |
| 1382 | 13:26:10 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,14   | 2,26   | 1,87   | 0,10             |
| 1383 | 13:26:15 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,98   | 1,99   | 2,18   | 0,10             |
| 1384 | 13:26:20 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 1,73   | 1,92   | 2,08   | 0,10             |
| 1385 | 13:26:25 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,72   | 2,18   | 2,03   | 0,10             |
| 1386 | 13:26:30 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,73   | 2,13   | 1,88   | 0,10             |
| 1387 | 13:26:35 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 3,33   | 2,29   | 2,04   | 0,10             |
| 1388 | 13:26:40 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 3,12   | 1,99   | 2,18   | 0,10             |
| 1389 | 13:26:45 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 3,37   | 2,34   | 2,32   | 0,10             |
| 1390 | 13:26:50 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,22   | 2,85   | 2,18   | 0,10             |
| 1391 | 13:26:55 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 3,01   | 2,42   | 2,05   | 0,10             |
| 1392 | 13:27:00 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,92   | 2,81   | 1,91   | 0,10             |
| 1393 | 13:27:05 | 0,01             | 0,02             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 2,03   | 2,12   | 1,84   | 0,10             |
| 1394 | 13:27:10 | 0,01             | 0,04             | 0,09             | 2,77                      | 2,43                      | 7,29                      | 4,82   | 5,29   | 2,34   | 0,11             |
| 1395 | 13:27:15 | 0,01             | 0,03             | 0,04             | 2,77                      | 2,43                      | 7,29                      | 2,66   | 0,39   | 1,35   | 0,06             |
| 1396 | 13:27:20 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,96   | 1,83   | 2,10   | 0,02             |
| 1397 | 13:27:25 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,86   | 1,71   | 3,11   | 0,02             |
| 1398 | 13:27:30 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,51   | 1,64   | 2,39   | 0,02             |
| 1399 | 13:27:35 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,74   | 1,74   | 3,18   | 0,02             |
| 1400 | 13:27:40 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,60   | 1,87   | 2,87   | 0,02             |
| 1401 | 13:27:45 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,49   | 1,49   | 3,86   | 0,02             |
| 1402 | 13:27:50 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,97   | 3,87   | 1,76   | 0,02             |
| 1403 | 13:27:55 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,55   | 2,49   | 2,39   | 0,02             |
| 1404 | 13:28:00 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,83   | 1,67   | 2,96   | 0,02             |
| 1405 | 13:28:05 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,75   | 2,62   | 3,05   | 0,02             |
| 1406 | 13:28:10 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,51   | 1,38   | 2,77   | 0,02             |
| 1407 | 13:28:15 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,42   | 2,19   | 2,46   | 0,02             |
| 1408 | 13:28:20 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,37   | 1,97   | 2,60   | 0,02             |
| 1409 | 13:28:25 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,15   | 2,43   | 1,89   | 0,02             |
| 1410 | 13:28:30 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,49   | 2,41   | 2,94   | 0,02             |
| 1411 | 13:28:35 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,19   | 2,41   | 2,15   | 0,02             |
| 1412 | 13:28:40 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,13   | 2,82   | 3,17   | 0,02             |
| 1413 | 13:28:45 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 4,14   | 2,39   | 2,57   | 0,02             |
| 1414 | 13:28:50 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,76   | 2,88   | 2,84   | 0,02             |
| 1415 | 13:28:55 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,96   | 2,01   | 2,58   | 0,02             |
| 1416 | 13:29:00 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,98   | 1,10   | 4,07   | 0,02             |
| 1417 | 13:29:05 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,17   | 1,13   | 3,63   | 0,02             |
| 1418 | 13:29:10 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,73   | 2,08   | 3,42   | 0,02             |
| 1419 | 13:29:15 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,51   | 3,07   | 2,67   | 0,02             |
| 1420 | 13:29:20 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,74   | 2,19   | 2,24   | 0,02             |
| 1421 | 13:29:25 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,53   | 2,82   | 2,85   | 0,02             |
| 1422 | 13:29:30 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,76   | 2,28   | 2,74   | 0,02             |
| 1423 | 13:29:35 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,13   | 2,68   | 2,61   | 0,02             |
| 1424 | 13:29:40 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,16   | 2,53   | 2,09   | 0,02             |
| 1425 | 13:29:45 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,03   | 2,10   | 3,37   | 0,02             |
| 1426 | 13:29:50 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,03   | 3,04   | 2,45   | 0,02             |
| 1427 | 13:29:55 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,09   | 1,78   | 2,96   | 0,02             |
| 1428 | 13:30:00 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,37   | 3,02   | 3,27   | 0,02             |
| 1429 | 13:30:05 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,37   | 1,65   | 2,57   | 0,02             |
| 1430 | 13:30:10 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,13   | 1,70   | 3,02   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1431 | 13:30:15 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,04   | 3,35   | 2,62   | 0,02             |
| 1432 | 13:30:20 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,64   | 2,62   | 2,85   | 0,02             |
| 1433 | 13:30:25 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,79   | 3,73   | 2,20   | 0,02             |
| 1434 | 13:30:30 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,15   | 2,22   | 2,20   | 0,02             |
| 1435 | 13:30:35 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,05   | 1,34   | 2,94   | 0,02             |
| 1436 | 13:30:40 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,41   | 1,90   | 2,87   | 0,02             |
| 1437 | 13:30:45 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,02   | 1,76   | 2,67   | 0,02             |
| 1438 | 13:30:50 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,24   | 2,09   | 2,25   | 0,02             |
| 1439 | 13:30:55 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,37   | 1,95   | 2,79   | 0,02             |
| 1440 | 13:31:00 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,52   | 1,42   | 2,70   | 0,02             |
| 1441 | 13:31:05 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,46   | 2,17   | 2,99   | 0,02             |
| 1442 | 13:31:10 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,06   | 2,06   | 2,53   | 0,02             |
| 1443 | 13:31:15 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,66   | 3,22   | 2,60   | 0,02             |
| 1444 | 13:31:20 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,13   | 1,54   | 2,85   | 0,02             |
| 1445 | 13:31:25 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,51   | 1,30   | 2,61   | 0,02             |
| 1446 | 13:31:30 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,90   | 2,53   | 3,03   | 0,02             |
| 1447 | 13:31:35 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,26   | 1,52   | 1,93   | 0,02             |
| 1448 | 13:31:40 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,86   | 1,61   | 3,45   | 0,02             |
| 1449 | 13:31:45 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,45   | 2,38   | 2,02   | 0,02             |
| 1450 | 13:31:50 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,20   | 2,69   | 2,60   | 0,02             |
| 1451 | 13:31:55 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,70   | 1,92   | 3,09   | 0,02             |
| 1452 | 13:32:00 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,72   | 2,35   | 2,45   | 0,02             |
| 1453 | 13:32:05 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,50   | 2,70   | 2,20   | 0,02             |
| 1454 | 13:32:10 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,73   | 2,12   | 3,39   | 0,02             |
| 1455 | 13:32:15 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,69   | 1,92   | 2,04   | 0,02             |
| 1456 | 13:32:20 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,74   | 2,18   | 2,59   | 0,02             |
| 1457 | 13:32:25 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,83   | 2,20   | 2,12   | 0,02             |
| 1458 | 13:32:30 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 3,15   | 2,05   | 2,46   | 0,02             |
| 1459 | 13:32:35 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,71   | 1,93   | 2,87   | 0,02             |
| 1460 | 13:32:40 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,55   | 2,31   | 2,98   | 0,02             |
| 1461 | 13:32:45 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 4,61   | 2,76   | 2,48   | 0,02             |
| 1462 | 13:32:50 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,50   | 2,13   | 2,40   | 0,02             |
| 1463 | 13:32:55 | 0,00             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,69   | 2,51   | 1,86   | 0,02             |
| 1464 | 13:33:00 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,72   | 2,97   | 2,30   | 0,02             |
| 1465 | 13:33:05 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,96   | 1,04   | 3,18   | 0,02             |
| 1466 | 13:33:10 | 0,01             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 1,87   | 2,37   | 2,23   | 0,02             |
| 1467 | 13:33:15 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,55   | 1,65   | 3,25   | 0,02             |
| 1468 | 13:33:20 | 0,00             | 0,01             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,30   | 2,71   | 2,24   | 0,02             |
| 1469 | 13:33:25 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,38   | 1,45   | 2,83   | 0,02             |
| 1470 | 13:33:30 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,34   | 1,49   | 3,37   | 0,02             |
| 1471 | 13:33:35 | 0,01             | 0,00             | 0,02             | 2,77                      | 2,43                      | 7,29                      | 2,49   | 1,62   | 2,40   | 0,02             |
| 1472 | 13:33:40 | 0,01             | 0,01             | 0,04             | 2,77                      | 2,43                      | 7,29                      | 4,68   | 7,77   | 8,48   | 0,04             |
| 1473 | 13:33:45 | 0,43             | 0,19             | 1,34             | 2,80                      | 2,43                      | 7,46                      | 4,70   | 3,46   | 5,60   | 1,50             |
| 1474 | 13:33:50 | 0,10             | 0,12             | 0,13             | 2,80                      | 2,43                      | 7,46                      | 0,22   | 0,23   | 0,58   | 0,26             |
| 1475 | 13:33:55 | 0,01             | 0,04             | 0,04             | 2,80                      | 2,43                      | 7,46                      | 2,80   | 1,76   | 1,85   | 0,07             |
| 1476 | 13:34:00 | 0,01             | 0,02             | 0,03             | 2,80                      | 2,43                      | 7,46                      | 1,62   | 1,81   | 1,59   | 0,04             |
| 1477 | 13:34:05 | 0,01             | 0,01             | 0,03             | 2,80                      | 2,43                      | 7,46                      | 2,84   | 3,21   | 2,42   | 0,03             |
| 1478 | 13:34:10 | 0,02             | 0,06             | 0,08             | 2,80                      | 2,43                      | 7,46                      | 1,27   | 1,40   | 1,47   | 0,12             |
| 1479 | 13:34:15 | 0,01             | 0,02             | 0,04             | 2,80                      | 2,43                      | 7,46                      | 1,19   | 1,12   | 1,27   | 0,05             |
| 1480 | 13:34:20 | 0,01             | 0,01             | 0,04             | 2,80                      | 2,43                      | 7,46                      | 2,00   | 1,46   | 1,64   | 0,05             |
| 1481 | 13:34:25 | 0,01             | 0,01             | 0,04             | 2,80                      | 2,43                      | 7,46                      | 1,87   | 3,56   | 3,48   | 0,04             |
| 1482 | 13:34:30 | 0,09             | 0,07             | 0,06             | 2,80                      | 2,43                      | 7,46                      | 2,56   | 3,57   | 2,91   | 0,17             |
| 1483 | 13:34:35 | 0,29             | 0,21             | 0,14             | 2,81                      | 2,43                      | 7,46                      | 0,30   | 0,96   | 1,68   | 0,52             |
| 1484 | 13:34:40 | 0,13             | 0,14             | 0,14             | 2,81                      | 2,43                      | 7,46                      | 1,13   | 1,89   | 2,95   | 0,30             |
| 1485 | 13:34:45 | 0,08             | 0,10             | 0,18             | 2,81                      | 2,43                      | 7,46                      | 2,35   | 1,05   | 1,81   | 0,25             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1486 | 13:34:50 | 0,24            | 0,40            | 0,44            | 2,81                     | 2,44                     | 7,46                     | 2,10   | 1,90   | 1,41   | 0,78            |
| 1487 | 13:34:55 | 0,10            | 0,25            | 0,20            | 2,81                     | 2,44                     | 7,46                     | 1,11   | 1,62   | 0,89   | 0,43            |
| 1488 | 13:35:00 | 0,09            | 0,10            | 0,13            | 2,81                     | 2,44                     | 7,46                     | 1,29   | 1,23   | 1,01   | 0,23            |
| 1489 | 13:35:05 | 0,07            | 0,32            | 0,13            | 2,81                     | 2,44                     | 7,46                     | 5,04   | 3,58   | 4,30   | 0,48            |
| 1490 | 13:35:10 | 0,11            | 0,24            | 0,07            | 2,81                     | 2,44                     | 7,46                     | 1,44   | 0,72   | 2,20   | 0,38            |
| 1491 | 13:35:15 | 0,29            | 0,12            | 0,08            | 2,81                     | 2,44                     | 7,46                     | 1,73   | 2,73   | 3,61   | 0,45            |
| 1492 | 13:35:20 | 0,33            | 0,13            | 0,09            | 2,81                     | 2,44                     | 7,46                     | 1,00   | 0,61   | 1,81   | 0,51            |
| 1493 | 13:35:25 | 0,05            | 0,07            | 0,06            | 2,81                     | 2,44                     | 7,46                     | 0,28   | 0,67   | 1,37   | 0,13            |
| 1494 | 13:35:30 | 0,01            | 0,03            | 0,02            | 2,81                     | 2,44                     | 7,46                     | 1,99   | 0,34   | 2,47   | 0,05            |
| 1495 | 13:35:35 | 0,01            | 0,03            | 0,02            | 2,81                     | 2,44                     | 7,46                     | 1,22   | 1,43   | 1,57   | 0,04            |
| 1496 | 13:35:40 | 0,03            | 0,07            | 0,03            | 2,81                     | 2,44                     | 7,46                     | 3,10   | 2,22   | 4,62   | 0,11            |
| 1497 | 13:35:45 | 0,36            | 0,26            | 0,16            | 2,82                     | 2,45                     | 7,46                     | 0,06   | 0,32   | 0,40   | 0,65            |
| 1498 | 13:35:50 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,54   | 1,05   | 3,39   | 0,02            |
| 1499 | 13:35:55 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,74   | 1,70   | 3,09   | 0,02            |
| 1500 | 13:36:00 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,42   | 2,90   | 3,17   | 0,02            |
| 1501 | 13:36:05 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,94   | 2,64   | 3,04   | 0,02            |
| 1502 | 13:36:10 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,56   | 2,20   | 2,12   | 0,02            |
| 1503 | 13:36:15 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,31   | 1,80   | 3,27   | 0,02            |
| 1504 | 13:36:20 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,79   | 1,29   | 2,84   | 0,02            |
| 1505 | 13:36:25 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,42   | 1,17   | 2,85   | 0,02            |
| 1506 | 13:36:30 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,31   | 2,22   | 2,51   | 0,02            |
| 1507 | 13:36:35 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,30   | 2,80   | 2,84   | 0,02            |
| 1508 | 13:36:40 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,23   | 2,49   | 2,88   | 0,02            |
| 1509 | 13:36:45 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,53   | 1,51   | 1,96   | 0,02            |
| 1510 | 13:36:50 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,47   | 1,93   | 3,12   | 0,02            |
| 1511 | 13:36:55 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,10   | 1,38   | 2,92   | 0,02            |
| 1512 | 13:37:00 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,44   | 2,40   | 2,83   | 0,02            |
| 1513 | 13:37:05 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,57   | 1,50   | 3,01   | 0,02            |
| 1514 | 13:37:10 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,57   | 2,98   | 3,11   | 0,02            |
| 1515 | 13:37:15 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,08   | 1,62   | 2,59   | 0,02            |
| 1516 | 13:37:20 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,15   | 3,33   | 2,68   | 0,02            |
| 1517 | 13:37:26 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,36   | 2,25   | 2,08   | 0,02            |
| 1518 | 13:37:31 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,55   | 2,82   | 2,40   | 0,02            |
| 1519 | 13:37:36 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,65   | 1,94   | 2,70   | 0,02            |
| 1520 | 13:37:41 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,00   | 2,32   | 2,78   | 0,02            |
| 1521 | 13:37:46 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,86   | 2,02   | 4,09   | 0,02            |
| 1522 | 13:37:51 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,45   | 1,77   | 2,57   | 0,02            |
| 1523 | 13:37:56 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,07   | 1,42   | 2,76   | 0,02            |
| 1524 | 13:38:01 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,94   | 1,22   | 3,06   | 0,02            |
| 1525 | 13:38:06 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,55   | 1,70   | 3,77   | 0,02            |
| 1526 | 13:38:11 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,04   | 2,23   | 2,28   | 0,02            |
| 1527 | 13:38:16 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,33   | 1,93   | 2,58   | 0,02            |
| 1528 | 13:38:21 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,17   | 1,85   | 3,21   | 0,02            |
| 1529 | 13:38:26 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,53   | 1,47   | 2,83   | 0,02            |
| 1530 | 13:38:31 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,62   | 3,17   | 2,85   | 0,02            |
| 1531 | 13:38:36 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,24   | 1,85   | 2,88   | 0,02            |
| 1532 | 13:38:41 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 1,57   | 2,64   | 0,03            |
| 1533 | 13:38:46 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,27   | 2,77   | 2,55   | 0,02            |
| 1534 | 13:38:51 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,12   | 2,06   | 1,88   | 0,02            |
| 1535 | 13:38:56 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,58   | 2,18   | 2,30   | 0,02            |
| 1536 | 13:39:01 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,02   | 1,75   | 2,62   | 0,02            |
| 1537 | 13:39:06 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 3,20   | 3,12   | 0,02            |
| 1538 | 13:39:11 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,19   | 2,57   | 2,72   | 0,02            |
| 1539 | 13:39:16 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,63   | 1,67   | 2,54   | 0,02            |
| 1540 | 13:39:21 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,57   | 1,60   | 2,38   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1541 | 13:39:26 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,99   | 2,84   | 3,16   | 0,02             |
| 1542 | 13:39:31 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,82   | 1,49   | 2,57   | 0,02             |
| 1543 | 13:39:36 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,20   | 1,59   | 2,38   | 0,02             |
| 1544 | 13:39:41 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,18   | 2,30   | 1,94   | 0,02             |
| 1545 | 13:39:46 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,33   | 2,22   | 2,28   | 0,02             |
| 1546 | 13:39:51 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,85   | 2,74   | 3,22   | 0,02             |
| 1547 | 13:39:56 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,46   | 1,73   | 4,47   | 0,02             |
| 1548 | 13:40:01 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,94   | 2,04   | 2,76   | 0,02             |
| 1549 | 13:40:06 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,60   | 1,75   | 2,58   | 0,02             |
| 1550 | 13:40:11 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,79   | 2,37   | 2,85   | 0,02             |
| 1551 | 13:40:16 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,74   | 2,24   | 3,15   | 0,02             |
| 1552 | 13:40:21 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,80   | 2,25   | 2,66   | 0,02             |
| 1553 | 13:40:26 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,04   | 1,89   | 3,21   | 0,02             |
| 1554 | 13:40:31 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,30   | 2,06   | 3,37   | 0,02             |
| 1555 | 13:40:36 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,90   | 2,36   | 2,68   | 0,02             |
| 1556 | 13:40:41 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,03   | 2,07   | 2,74   | 0,02             |
| 1557 | 13:40:46 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,26   | 1,66   | 2,57   | 0,02             |
| 1558 | 13:40:51 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,98   | 1,88   | 2,74   | 0,02             |
| 1559 | 13:40:56 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,43   | 2,87   | 1,75   | 0,02             |
| 1560 | 13:41:01 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,43   | 1,81   | 3,33   | 0,02             |
| 1561 | 13:41:06 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,06   | 1,59   | 2,34   | 0,02             |
| 1562 | 13:41:11 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,67   | 1,83   | 2,24   | 0,02             |
| 1563 | 13:41:16 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,19   | 2,22   | 2,44   | 0,02             |
| 1564 | 13:41:21 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,29   | 2,41   | 2,75   | 0,02             |
| 1565 | 13:41:26 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,69   | 3,22   | 3,09   | 0,02             |
| 1566 | 13:41:31 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,69   | 2,17   | 3,74   | 0,02             |
| 1567 | 13:41:36 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,10   | 3,15   | 2,32   | 0,02             |
| 1568 | 13:41:41 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,49   | 3,29   | 2,64   | 0,02             |
| 1569 | 13:41:46 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,95   | 2,06   | 2,46   | 0,02             |
| 1570 | 13:41:51 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,46   | 2,46   | 2,30   | 0,02             |
| 1571 | 13:41:56 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,33   | 2,20   | 2,12   | 0,02             |
| 1572 | 13:42:01 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,68   | 2,24   | 2,54   | 0,02             |
| 1573 | 13:42:06 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,28   | 1,75   | 2,05   | 0,02             |
| 1574 | 13:42:11 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,32   | 1,54   | 2,18   | 0,02             |
| 1575 | 13:42:16 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,44   | 3,33   | 3,18   | 0,02             |
| 1576 | 13:42:21 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,37   | 2,43   | 2,77   | 0,02             |
| 1577 | 13:42:26 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,46   | 3,57   | 2,27   | 0,02             |
| 1578 | 13:42:31 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,17   | 1,84   | 3,02   | 0,02             |
| 1579 | 13:42:36 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,33   | 2,38   | 2,41   | 0,02             |
| 1580 | 13:42:41 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,02   | 2,14   | 2,08   | 0,02             |
| 1581 | 13:42:46 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,97   | 2,71   | 2,36   | 0,02             |
| 1582 | 13:42:51 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,25   | 1,67   | 2,81   | 0,02             |
| 1583 | 13:42:56 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,39   | 1,96   | 2,09   | 0,02             |
| 1584 | 13:43:01 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,12   | 2,24   | 2,84   | 0,02             |
| 1585 | 13:43:06 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,80   | 2,32   | 2,53   | 0,02             |
| 1586 | 13:43:11 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,58   | 1,76   | 2,89   | 0,02             |
| 1587 | 13:43:16 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,77   | 1,87   | 3,68   | 0,02             |
| 1588 | 13:43:21 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,71   | 2,30   | 2,37   | 0,02             |
| 1589 | 13:43:26 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,08   | 1,96   | 1,89   | 0,02             |
| 1590 | 13:43:31 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,45   | 2,33   | 2,24   | 0,02             |
| 1591 | 13:43:36 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,25   | 1,89   | 3,28   | 0,02             |
| 1592 | 13:43:41 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,19   | 1,86   | 3,19   | 0,02             |
| 1593 | 13:43:46 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,55   | 2,03   | 2,73   | 0,02             |
| 1594 | 13:43:51 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,88   | 1,55   | 2,16   | 0,02             |
| 1595 | 13:43:56 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,79   | 2,33   | 3,02   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1596 | 13:44:01 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,46   | 1,75   | 2,30   | 0,02             |
| 1597 | 13:44:06 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,22   | 2,68   | 2,78   | 0,02             |
| 1598 | 13:44:11 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,78   | 1,93   | 2,43   | 0,02             |
| 1599 | 13:44:16 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,79   | 1,99   | 2,24   | 0,02             |
| 1600 | 13:44:22 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,37   | 1,44   | 2,38   | 0,02             |
| 1601 | 13:44:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,84   | 2,78   | 1,86   | 0,02             |
| 1602 | 13:44:32 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,86   | 2,70   | 2,70   | 0,02             |
| 1603 | 13:44:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,75   | 3,27   | 2,22   | 0,02             |
| 1604 | 13:44:42 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,80   | 1,35   | 4,40   | 0,02             |
| 1605 | 13:44:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,45   | 2,29   | 3,84   | 0,02             |
| 1606 | 13:44:52 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,71   | 1,93   | 2,65   | 0,02             |
| 1607 | 13:44:57 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,74   | 3,49   | 2,23   | 0,02             |
| 1608 | 13:45:02 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,28   | 2,42   | 2,94   | 0,02             |
| 1609 | 13:45:07 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,51   | 1,98   | 2,00   | 0,02             |
| 1610 | 13:45:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,72   | 2,56   | 2,49   | 0,02             |
| 1611 | 13:45:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,03   | 2,13   | 2,86   | 0,02             |
| 1612 | 13:45:22 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,14   | 3,46   | 2,87   | 0,02             |
| 1613 | 13:45:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,11   | 1,46   | 2,30   | 0,02             |
| 1614 | 13:45:32 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,94   | 2,26   | 2,46   | 0,02             |
| 1615 | 13:45:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,20   | 1,90   | 2,28   | 0,02             |
| 1616 | 13:45:42 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,36   | 2,19   | 3,16   | 0,02             |
| 1617 | 13:45:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,24   | 2,39   | 2,27   | 0,02             |
| 1618 | 13:45:52 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,63   | 2,61   | 2,72   | 0,02             |
| 1619 | 13:45:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,45   | 1,65   | 2,12   | 0,02             |
| 1620 | 13:46:02 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,54   | 1,56   | 3,23   | 0,02             |
| 1621 | 13:46:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,85   | 2,37   | 2,64   | 0,02             |
| 1622 | 13:46:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,73   | 1,54   | 3,00   | 0,02             |
| 1623 | 13:46:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,09   | 2,38   | 1,96   | 0,02             |
| 1624 | 13:46:22 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,34   | 1,96   | 2,47   | 0,02             |
| 1625 | 13:46:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,01   | 2,81   | 2,40   | 0,02             |
| 1626 | 13:46:32 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,47   | 1,83   | 3,24   | 0,02             |
| 1627 | 13:46:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,78   | 1,62   | 3,06   | 0,02             |
| 1628 | 13:46:42 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,03   | 1,85   | 2,51   | 0,02             |
| 1629 | 13:46:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,68   | 2,89   | 2,81   | 0,02             |
| 1630 | 13:46:52 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,04   | 2,85   | 2,65   | 0,02             |
| 1631 | 13:46:57 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,29   | 2,49   | 1,98   | 0,02             |
| 1632 | 13:47:02 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,08   | 1,78   | 1,82   | 0,02             |
| 1633 | 13:47:07 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,82   | 2,12   | 2,47   | 0,02             |
| 1634 | 13:47:12 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,06   | 2,40   | 1,93   | 0,02             |
| 1635 | 13:47:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,20   | 2,93   | 2,27   | 0,02             |
| 1636 | 13:47:22 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,20   | 3,04   | 2,87   | 0,02             |
| 1637 | 13:47:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,33   | 2,72   | 2,85   | 0,02             |
| 1638 | 13:47:32 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,17   | 2,51   | 2,99   | 0,02             |
| 1639 | 13:47:37 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,07   | 2,14   | 4,23   | 0,02             |
| 1640 | 13:47:42 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,78   | 2,27   | 1,99   | 0,02             |
| 1641 | 13:47:47 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,85   | 3,10   | 2,92   | 0,02             |
| 1642 | 13:47:52 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,34   | 1,95   | 2,45   | 0,02             |
| 1643 | 13:47:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,32   | 1,11   | 3,37   | 0,02             |
| 1644 | 13:48:02 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,32   | 2,67   | 2,31   | 0,02             |
| 1645 | 13:48:07 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,36   | 2,16   | 2,53   | 0,02             |
| 1646 | 13:48:12 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,56   | 1,50   | 2,29   | 0,02             |
| 1647 | 13:48:17 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,02   | 2,26   | 2,90   | 0,02             |
| 1648 | 13:48:22 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,02   | 2,44   | 3,07   | 0,02             |
| 1649 | 13:48:27 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,08   | 2,40   | 2,48   | 0,02             |
| 1650 | 13:48:32 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,14   | 2,06   | 3,31   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1651 | 13:48:37 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,98   | 1,85   | 3,73   | 0,02            |
| 1652 | 13:48:42 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,70   | 1,52   | 2,87   | 0,02            |
| 1653 | 13:48:47 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,04   | 2,53   | 3,41   | 0,02            |
| 1654 | 13:48:52 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,36   | 1,22   | 2,36   | 0,02            |
| 1655 | 13:48:57 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 2,21   | 2,70   | 0,02            |
| 1656 | 13:49:02 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,56   | 2,36   | 2,64   | 0,02            |
| 1657 | 13:49:07 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,47   | 1,84   | 2,39   | 0,02            |
| 1658 | 13:49:12 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,71   | 2,59   | 2,27   | 0,02            |
| 1659 | 13:49:17 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,01   | 1,20   | 2,78   | 0,02            |
| 1660 | 13:49:22 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,69   | 1,13   | 2,38   | 0,02            |
| 1661 | 13:49:27 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,37   | 2,35   | 2,48   | 0,02            |
| 1662 | 13:49:32 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,69   | 1,91   | 2,98   | 0,02            |
| 1663 | 13:49:37 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,65   | 1,45   | 2,93   | 0,02            |
| 1664 | 13:49:42 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 4,06   | 2,01   | 1,91   | 0,02            |
| 1665 | 13:49:47 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 0,82   | 2,07   | 2,45   | 0,02            |
| 1666 | 13:49:52 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,14   | 1,99   | 3,17   | 0,02            |
| 1667 | 13:49:57 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,90   | 1,98   | 2,12   | 0,02            |
| 1668 | 13:50:02 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,60   | 1,59   | 3,29   | 0,02            |
| 1669 | 13:50:07 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,63   | 1,89   | 2,90   | 0,02            |
| 1670 | 13:50:12 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,99   | 1,74   | 2,19   | 0,02            |
| 1671 | 13:50:17 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,03   | 2,35   | 2,70   | 0,02            |
| 1672 | 13:50:22 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,99   | 1,52   | 2,79   | 0,02            |
| 1673 | 13:50:27 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,37   | 1,79   | 2,40   | 0,02            |
| 1674 | 13:50:32 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,85   | 1,32   | 2,60   | 0,02            |
| 1675 | 13:50:37 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,07   | 2,53   | 2,47   | 0,02            |
| 1676 | 13:50:42 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,02   | 2,72   | 2,79   | 0,02            |
| 1677 | 13:50:47 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,12   | 1,64   | 2,25   | 0,02            |
| 1678 | 13:50:52 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,17   | 2,49   | 2,28   | 0,02            |
| 1679 | 13:50:57 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,78   | 2,41   | 2,25   | 0,02            |
| 1680 | 13:51:02 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,26   | 1,55   | 3,18   | 0,02            |
| 1681 | 13:51:07 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,66   | 1,89   | 2,31   | 0,02            |
| 1682 | 13:51:12 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,88   | 2,04   | 2,55   | 0,02            |
| 1683 | 13:51:17 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,63   | 1,92   | 2,42   | 0,02            |
| 1684 | 13:51:22 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,09   | 2,43   | 2,86   | 0,02            |
| 1685 | 13:51:27 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,55   | 1,66   | 2,55   | 0,02            |
| 1686 | 13:51:32 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 0,97   | 2,22   | 2,16   | 0,02            |
| 1687 | 13:51:37 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,66   | 3,03   | 1,58   | 0,02            |
| 1688 | 13:51:42 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,33   | 1,39   | 2,15   | 0,02            |
| 1689 | 13:51:47 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,99   | 2,50   | 2,28   | 0,02            |
| 1690 | 13:51:52 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,48   | 2,00   | 2,67   | 0,02            |
| 1691 | 13:51:57 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,57   | 0,96   | 3,18   | 0,02            |
| 1692 | 13:52:02 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,94   | 2,39   | 1,95   | 0,02            |
| 1693 | 13:52:07 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,23   | 1,66   | 2,54   | 0,02            |
| 1694 | 13:52:12 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,86   | 1,95   | 2,30   | 0,02            |
| 1695 | 13:52:17 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,65   | 1,97   | 2,95   | 0,02            |
| 1696 | 13:52:22 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,41   | 2,52   | 2,14   | 0,02            |
| 1697 | 13:52:27 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,29   | 2,38   | 3,16   | 0,02            |
| 1698 | 13:52:32 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,69   | 2,14   | 2,45   | 0,02            |
| 1699 | 13:52:37 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 2,55   | 2,44   | 0,02            |
| 1700 | 13:52:42 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,02   | 2,18   | 2,45   | 0,02            |
| 1701 | 13:52:47 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,64   | 1,68   | 2,60   | 0,02            |
| 1702 | 13:52:52 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,16   | 2,41   | 3,03   | 0,02            |
| 1703 | 13:52:57 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,36   | 1,89   | 3,18   | 0,02            |
| 1704 | 13:53:02 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,24   | 3,02   | 2,43   | 0,02            |
| 1705 | 13:53:07 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,99   | 2,38   | 3,58   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1706 | 13:53:12 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,13   | 2,51   | 2,64   | 0,02             |
| 1707 | 13:53:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,52   | 1,31   | 2,62   | 0,02             |
| 1708 | 13:53:22 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,74   | 2,88   | 3,10   | 0,02             |
| 1709 | 13:53:27 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,90   | 1,43   | 2,23   | 0,02             |
| 1710 | 13:53:32 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,61   | 2,95   | 2,47   | 0,02             |
| 1711 | 13:53:37 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,94   | 2,27   | 2,46   | 0,02             |
| 1712 | 13:53:42 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,54   | 2,34   | 3,18   | 0,02             |
| 1713 | 13:53:47 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,95   | 2,41   | 2,70   | 0,02             |
| 1714 | 13:53:52 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,65   | 1,91   | 2,61   | 0,02             |
| 1715 | 13:53:57 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,84   | 1,70   | 2,35   | 0,02             |
| 1716 | 13:54:02 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,74   | 1,92   | 2,49   | 0,02             |
| 1717 | 13:54:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,53   | 2,50   | 2,54   | 0,02             |
| 1718 | 13:54:12 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,08   | 2,24   | 2,64   | 0,02             |
| 1719 | 13:54:17 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,55   | 2,98   | 2,85   | 0,02             |
| 1720 | 13:54:22 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,83   | 1,86   | 3,25   | 0,02             |
| 1721 | 13:54:27 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,61   | 2,94   | 3,26   | 0,02             |
| 1722 | 13:54:32 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,32   | 2,37   | 2,50   | 0,02             |
| 1723 | 13:54:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,18   | 1,65   | 2,92   | 0,02             |
| 1724 | 13:54:42 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,12   | 2,40   | 3,12   | 0,02             |
| 1725 | 13:54:47 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,33   | 2,29   | 2,32   | 0,02             |
| 1726 | 13:54:52 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,26   | 1,73   | 2,42   | 0,02             |
| 1727 | 13:54:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,56   | 1,54   | 2,57   | 0,02             |
| 1728 | 13:55:02 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,36   | 1,96   | 1,97   | 0,02             |
| 1729 | 13:55:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,34   | 1,67   | 2,14   | 0,02             |
| 1730 | 13:55:12 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,57   | 2,54   | 3,38   | 0,02             |
| 1731 | 13:55:17 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,50   | 2,76   | 2,48   | 0,02             |
| 1732 | 13:55:22 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,52   | 1,72   | 3,08   | 0,02             |
| 1733 | 13:55:27 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,54   | 1,50   | 2,51   | 0,02             |
| 1734 | 13:55:32 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,45   | 1,24   | 2,73   | 0,02             |
| 1735 | 13:55:37 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,16   | 2,25   | 2,21   | 0,02             |
| 1736 | 13:55:42 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,01   | 2,86   | 4,04   | 0,02             |
| 1737 | 13:55:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,99   | 2,04   | 2,64   | 0,02             |
| 1738 | 13:55:52 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,02   | 1,02   | 2,66   | 0,02             |
| 1739 | 13:55:57 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,42   | 3,80   | 2,95   | 0,02             |
| 1740 | 13:56:02 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,55   | 3,68   | 2,61   | 0,02             |
| 1741 | 13:56:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,05   | 1,39   | 2,46   | 0,02             |
| 1742 | 13:56:12 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 4,00   | 2,11   | 2,78   | 0,02             |
| 1743 | 13:56:17 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,74   | 1,81   | 2,48   | 0,02             |
| 1744 | 13:56:22 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,75   | 1,97   | 2,21   | 0,02             |
| 1745 | 13:56:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,93   | 1,97   | 2,12   | 0,02             |
| 1746 | 13:56:32 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,17   | 2,56   | 4,19   | 0,02             |
| 1747 | 13:56:37 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,36   | 1,42   | 2,64   | 0,02             |
| 1748 | 13:56:42 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,80   | 1,89   | 3,06   | 0,02             |
| 1749 | 13:56:47 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,24   | 2,32   | 3,04   | 0,02             |
| 1750 | 13:56:52 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,81   | 1,33   | 2,94   | 0,02             |
| 1751 | 13:56:57 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,11   | 1,57   | 2,99   | 0,02             |
| 1752 | 13:57:02 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,81   | 1,59   | 2,26   | 0,02             |
| 1753 | 13:57:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,29   | 2,10   | 2,05   | 0,02             |
| 1754 | 13:57:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,46   | 2,63   | 2,70   | 0,02             |
| 1755 | 13:57:17 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,62   | 1,52   | 2,44   | 0,02             |
| 1756 | 13:57:22 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,50   | 2,53   | 2,18   | 0,02             |
| 1757 | 13:57:27 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,73   | 1,46   | 2,16   | 0,02             |
| 1758 | 13:57:32 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,39   | 2,11   | 3,18   | 0,02             |
| 1759 | 13:57:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,45   | 1,49   | 2,72   | 0,02             |
| 1760 | 13:57:42 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,11   | 1,50   | 2,76   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 1761 | 13:57:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,98   | 1,60   | 2,92   | 0,02             |
| 1762 | 13:57:52 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,34   | 1,85   | 2,56   | 0,02             |
| 1763 | 13:57:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,55   | 1,52   | 2,37   | 0,02             |
| 1764 | 13:58:02 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,38   | 1,52   | 1,97   | 0,02             |
| 1765 | 13:58:07 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,10   | 2,61   | 2,63   | 0,02             |
| 1766 | 13:58:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,86   | 1,94   | 2,83   | 0,02             |
| 1767 | 13:58:17 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,16   | 1,88   | 2,62   | 0,02             |
| 1768 | 13:58:22 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,69   | 2,00   | 2,77   | 0,02             |
| 1769 | 13:58:27 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,18   | 1,57   | 2,31   | 0,02             |
| 1770 | 13:58:32 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,28   | 1,31   | 2,73   | 0,02             |
| 1771 | 13:58:37 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,60   | 1,96   | 2,53   | 0,02             |
| 1772 | 13:58:42 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,91   | 1,16   | 2,22   | 0,02             |
| 1773 | 13:58:47 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,99   | 2,26   | 3,48   | 0,02             |
| 1774 | 13:58:52 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,48   | 2,11   | 3,56   | 0,02             |
| 1775 | 13:58:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,66   | 1,06   | 2,34   | 0,02             |
| 1776 | 13:59:02 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,50   | 2,85   | 2,87   | 0,02             |
| 1777 | 13:59:07 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,86   | 1,93   | 2,60   | 0,02             |
| 1778 | 13:59:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,36   | 1,76   | 3,43   | 0,02             |
| 1779 | 13:59:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,19   | 2,58   | 2,98   | 0,02             |
| 1780 | 13:59:22 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,78   | 1,57   | 2,08   | 0,02             |
| 1781 | 13:59:27 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,35   | 2,92   | 2,42   | 0,02             |
| 1782 | 13:59:32 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,82   | 1,74   | 2,32   | 0,02             |
| 1783 | 13:59:37 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,78   | 2,16   | 2,18   | 0,02             |
| 1784 | 13:59:42 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,71   | 3,26   | 2,35   | 0,02             |
| 1785 | 13:59:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,22   | 1,21   | 2,36   | 0,02             |
| 1786 | 13:59:52 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,39   | 3,40   | 2,18   | 0,02             |
| 1787 | 13:59:57 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,86   | 2,37   | 3,24   | 0,02             |
| 1788 | 14:00:02 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,60   | 1,80   | 2,30   | 0,02             |
| 1789 | 14:00:07 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,86   | 1,40   | 2,67   | 0,02             |
| 1790 | 14:00:12 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,21   | 2,06   | 2,57   | 0,02             |
| 1791 | 14:00:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,30   | 1,67   | 2,72   | 0,02             |
| 1792 | 14:00:22 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,18   | 2,57   | 2,24   | 0,02             |
| 1793 | 14:00:27 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,67   | 2,21   | 2,62   | 0,02             |
| 1794 | 14:00:32 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,05   | 1,26   | 2,52   | 0,02             |
| 1795 | 14:00:37 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,32   | 2,79   | 2,98   | 0,02             |
| 1796 | 14:00:42 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,42   | 2,22   | 2,24   | 0,02             |
| 1797 | 14:00:47 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,44   | 1,96   | 2,99   | 0,02             |
| 1798 | 14:00:52 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,12   | 2,07   | 2,29   | 0,02             |
| 1799 | 14:00:57 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,47   | 2,15   | 2,50   | 0,02             |
| 1800 | 14:01:02 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,88   | 2,02   | 2,08   | 0,02             |
| 1801 | 14:01:07 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,89   | 2,14   | 3,09   | 0,02             |
| 1802 | 14:01:12 | 0,01             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,15   | 2,40   | 2,56   | 0,02             |
| 1803 | 14:01:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,24   | 1,76   | 2,59   | 0,02             |
| 1804 | 14:01:22 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,16   | 1,97   | 2,92   | 0,02             |
| 1805 | 14:01:27 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,41   | 1,99   | 2,74   | 0,02             |
| 1806 | 14:01:32 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,40   | 2,28   | 3,24   | 0,02             |
| 1807 | 14:01:37 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 3,36   | 3,72   | 2,23   | 0,02             |
| 1808 | 14:01:42 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,27   | 1,97   | 2,63   | 0,02             |
| 1809 | 14:01:47 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,00   | 1,65   | 2,62   | 0,02             |
| 1810 | 14:01:52 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,57   | 2,56   | 2,55   | 0,02             |
| 1811 | 14:01:57 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,43   | 1,68   | 3,50   | 0,02             |
| 1812 | 14:02:02 | 0,01             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,55   | 2,21   | 2,76   | 0,02             |
| 1813 | 14:02:07 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,47   | 1,99   | 3,29   | 0,02             |
| 1814 | 14:02:12 | 0,00             | 0,01             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 2,08   | 1,30   | 2,82   | 0,02             |
| 1815 | 14:02:17 | 0,00             | 0,00             | 0,02             | 2,82                      | 2,45                      | 7,46                      | 1,55   | 2,48   | 3,17   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1816 | 14:02:22 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,04   | 2,53   | 3,11   | 0,02            |
| 1817 | 14:02:27 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,12   | 3,06   | 2,99   | 0,02            |
| 1818 | 14:02:32 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,92   | 1,14   | 3,88   | 0,02            |
| 1819 | 14:02:37 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,16   | 2,31   | 2,67   | 0,02            |
| 1820 | 14:02:42 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,65   | 1,56   | 2,04   | 0,02            |
| 1821 | 14:02:47 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,37   | 1,97   | 2,69   | 0,02            |
| 1822 | 14:02:52 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,32   | 1,82   | 2,70   | 0,02            |
| 1823 | 14:02:57 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,08   | 2,97   | 3,66   | 0,02            |
| 1824 | 14:03:02 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,83   | 3,14   | 2,68   | 0,02            |
| 1825 | 14:03:07 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,36   | 2,30   | 2,26   | 0,02            |
| 1826 | 14:03:12 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,06   | 1,97   | 2,52   | 0,02            |
| 1827 | 14:03:17 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 1,97   | 3,22   | 0,02            |
| 1828 | 14:03:22 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,57   | 1,65   | 3,66   | 0,02            |
| 1829 | 14:03:27 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,04   | 2,74   | 3,09   | 0,02            |
| 1830 | 14:03:32 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,65   | 1,76   | 2,88   | 0,02            |
| 1831 | 14:03:37 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,51   | 2,20   | 2,63   | 0,02            |
| 1832 | 14:03:42 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,71   | 1,97   | 2,30   | 0,02            |
| 1833 | 14:03:47 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,72   | 2,05   | 1,89   | 0,02            |
| 1834 | 14:03:52 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,46   | 2,06   | 2,61   | 0,02            |
| 1835 | 14:03:57 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,56   | 2,76   | 2,64   | 0,02            |
| 1836 | 14:04:02 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,44   | 1,49   | 2,52   | 0,02            |
| 1837 | 14:04:07 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,60   | 2,23   | 2,62   | 0,02            |
| 1838 | 14:04:12 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 3,15   | 2,83   | 0,02            |
| 1839 | 14:04:17 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,09   | 2,28   | 1,77   | 0,02            |
| 1840 | 14:04:22 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,17   | 2,71   | 2,88   | 0,02            |
| 1841 | 14:04:27 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,37   | 2,95   | 3,14   | 0,02            |
| 1842 | 14:04:32 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,00   | 2,57   | 2,12   | 0,02            |
| 1843 | 14:04:37 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,52   | 1,41   | 2,13   | 0,02            |
| 1844 | 14:04:42 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,68   | 1,78   | 2,44   | 0,02            |
| 1845 | 14:04:47 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,54   | 2,48   | 2,42   | 0,02            |
| 1846 | 14:04:52 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,28   | 1,90   | 1,98   | 0,02            |
| 1847 | 14:04:57 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,15   | 1,99   | 2,34   | 0,02            |
| 1848 | 14:05:02 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,51   | 2,02   | 2,17   | 0,02            |
| 1849 | 14:05:07 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,18   | 1,66   | 2,90   | 0,02            |
| 1850 | 14:05:12 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,59   | 2,34   | 3,09   | 0,02            |
| 1851 | 14:05:17 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,70   | 1,12   | 2,10   | 0,02            |
| 1852 | 14:05:22 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,57   | 1,67   | 2,40   | 0,02            |
| 1853 | 14:05:27 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,61   | 2,93   | 2,57   | 0,02            |
| 1854 | 14:05:32 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,72   | 1,84   | 2,64   | 0,02            |
| 1855 | 14:05:37 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,98   | 1,96   | 2,87   | 0,02            |
| 1856 | 14:05:42 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,26   | 1,89   | 2,67   | 0,02            |
| 1857 | 14:05:47 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,49   | 1,49   | 2,73   | 0,02            |
| 1858 | 14:05:52 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,57   | 4,02   | 1,91   | 0,02            |
| 1859 | 14:05:57 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,13   | 2,07   | 2,29   | 0,02            |
| 1860 | 14:06:02 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,55   | 2,27   | 1,69   | 0,02            |
| 1861 | 14:06:07 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,41   | 2,44   | 2,23   | 0,02            |
| 1862 | 14:06:12 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,87   | 1,53   | 2,88   | 0,02            |
| 1863 | 14:06:17 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,69   | 1,94   | 2,73   | 0,02            |
| 1864 | 14:06:22 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,65   | 1,90   | 2,68   | 0,02            |
| 1865 | 14:06:27 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,36   | 2,66   | 2,83   | 0,02            |
| 1866 | 14:06:33 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,01   | 1,99   | 3,40   | 0,02            |
| 1867 | 14:06:38 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,53   | 1,57   | 2,51   | 0,02            |
| 1868 | 14:06:43 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,26   | 1,50   | 2,94   | 0,02            |
| 1869 | 14:06:48 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,58   | 3,54   | 3,33   | 0,02            |
| 1870 | 14:06:53 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,68   | 2,02   | 2,43   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1871 | 14:06:58 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,39   | 1,72   | 2,88   | 0,02            |
| 1872 | 14:07:03 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,85   | 1,43   | 2,84   | 0,02            |
| 1873 | 14:07:08 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,61   | 2,22   | 1,92   | 0,02            |
| 1874 | 14:07:13 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,72   | 1,51   | 3,58   | 0,02            |
| 1875 | 14:07:18 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,30   | 2,15   | 3,62   | 0,02            |
| 1876 | 14:07:23 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,85   | 3,12   | 2,58   | 0,02            |
| 1877 | 14:07:28 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,74   | 2,40   | 3,24   | 0,02            |
| 1878 | 14:07:33 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,31   | 1,84   | 2,66   | 0,02            |
| 1879 | 14:07:38 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,58   | 2,06   | 2,94   | 0,02            |
| 1880 | 14:07:43 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,77   | 1,98   | 3,45   | 0,02            |
| 1881 | 14:07:48 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,72   | 2,06   | 2,38   | 0,02            |
| 1882 | 14:07:53 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,97   | 2,20   | 2,74   | 0,02            |
| 1883 | 14:07:58 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,07   | 1,93   | 2,45   | 0,02            |
| 1884 | 14:08:03 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,63   | 2,16   | 2,84   | 0,02            |
| 1885 | 14:08:08 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,48   | 2,38   | 2,21   | 0,02            |
| 1886 | 14:08:13 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,65   | 2,29   | 2,68   | 0,02            |
| 1887 | 14:08:18 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,69   | 3,31   | 3,11   | 0,02            |
| 1888 | 14:08:23 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,92   | 2,44   | 2,01   | 0,02            |
| 1889 | 14:08:28 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 3,02   | 1,92   | 2,53   | 0,02            |
| 1890 | 14:08:33 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,93   | 2,63   | 2,11   | 0,02            |
| 1891 | 14:08:38 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,83   | 1,62   | 2,97   | 0,02            |
| 1892 | 14:08:43 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,98   | 2,49   | 3,37   | 0,02            |
| 1893 | 14:08:48 | 0,00            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,30   | 1,33   | 2,42   | 0,02            |
| 1894 | 14:08:53 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,88   | 3,60   | 3,22   | 0,02            |
| 1895 | 14:08:58 | 0,02            | 0,04            | 0,06            | 2,82                     | 2,45                     | 7,46                     | 4,20   | 6,59   | 4,53   | 0,08            |
| 1896 | 14:09:03 | 0,02            | 0,04            | 0,04            | 2,82                     | 2,45                     | 7,46                     | 1,80   | 2,31   | 2,17   | 0,08            |
| 1897 | 14:09:08 | 0,02            | 0,09            | 0,15            | 2,82                     | 2,45                     | 7,46                     | 1,70   | 2,17   | 0,86   | 0,20            |
| 1898 | 14:09:13 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,34   | 1,09   | 2,65   | 0,03            |
| 1899 | 14:09:18 | 0,00            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,98   | 1,95   | 2,56   | 0,02            |
| 1900 | 14:09:23 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,62   | 2,64   | 2,43   | 0,02            |
| 1901 | 14:09:28 | 0,01            | 0,01            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 1,31   | 2,57   | 3,15   | 0,02            |
| 1902 | 14:09:33 | 0,01            | 0,00            | 0,02            | 2,82                     | 2,45                     | 7,46                     | 2,01   | 1,60   | 1,85   | 0,02            |
| 1903 | 14:09:38 | 0,01            | 0,01            | 0,03            | 2,82                     | 2,45                     | 7,46                     | 4,32   | 4,11   | 4,08   | 0,03            |
| 1904 | 14:09:43 | 0,33            | 0,24            | 1,53            | 2,92                     | 2,45                     | 8,04                     | 1,61   | 3,04   | 0,23   | 1,64            |
| 1905 | 14:09:48 | 0,07            | 0,21            | 0,05            | 2,92                     | 2,45                     | 8,04                     | 0,75   | 0,89   | 2,03   | 0,32            |
| 1906 | 14:09:53 | 0,01            | 0,04            | 0,05            | 2,92                     | 2,45                     | 8,04                     | 0,87   | 0,35   | 1,01   | 0,07            |
| 1907 | 14:09:58 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 0,91   | 0,92   | 2,37   | 0,02            |
| 1908 | 14:10:03 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,82   | 3,33   | 2,63   | 0,02            |
| 1909 | 14:10:08 | 0,01            | 0,02            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,78   | 2,95   | 3,08   | 0,03            |
| 1910 | 14:10:13 | 0,01            | 0,02            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 2,15   | 0,75   | 2,50   | 0,04            |
| 1911 | 14:10:18 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,06   | 1,48   | 2,47   | 0,02            |
| 1912 | 14:10:23 | 0,03            | 0,05            | 0,04            | 2,92                     | 2,45                     | 8,04                     | 1,55   | 0,92   | 2,72   | 0,09            |
| 1913 | 14:10:28 | 0,01            | 0,06            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 1,05   | 0,73   | 1,82   | 0,09            |
| 1914 | 14:10:33 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,56   | 2,08   | 2,59   | 0,03            |
| 1915 | 14:10:38 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,95   | 1,69   | 1,97   | 0,03            |
| 1916 | 14:10:43 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,57   | 2,52   | 2,47   | 0,02            |
| 1917 | 14:10:48 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,96   | 2,34   | 2,20   | 0,03            |
| 1918 | 14:10:53 | 0,01            | 0,01            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 1,58   | 2,76   | 3,07   | 0,03            |
| 1919 | 14:10:58 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,23   | 1,94   | 2,27   | 0,03            |
| 1920 | 14:11:03 | 0,01            | 0,06            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 1,80   | 0,66   | 2,20   | 0,08            |
| 1921 | 14:11:08 | 0,02            | 0,04            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 3,24   | 2,96   | 5,14   | 0,07            |
| 1922 | 14:11:13 | 0,02            | 0,05            | 0,03            | 2,92                     | 2,45                     | 8,04                     | 0,45   | 0,39   | 2,01   | 0,09            |
| 1923 | 14:11:18 | 0,02            | 0,05            | 0,05            | 2,92                     | 2,45                     | 8,04                     | 3,67   | 2,66   | 2,89   | 0,09            |
| 1924 | 14:11:23 | 0,02            | 0,02            | 0,04            | 2,92                     | 2,45                     | 8,04                     | 0,87   | 0,94   | 1,28   | 0,06            |
| 1925 | 14:11:28 | 0,01            | 0,04            | 0,04            | 2,92                     | 2,45                     | 8,04                     | 5,01   | 5,02   | 12,80  | 0,07            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1926 | 14:11:33 | 0,20            | 0,08            | 0,11            | 2,92                     | 2,45                     | 8,04                     | 2,58   | 0,80   | 1,86   | 0,32            |
| 1927 | 14:11:38 | 0,17            | 0,07            | 0,08            | 2,92                     | 2,45                     | 8,04                     | 1,17   | 1,10   | 0,97   | 0,27            |
| 1928 | 14:11:43 | 0,14            | 0,02            | 0,05            | 2,92                     | 2,45                     | 8,04                     | 3,76   | 1,96   | 3,71   | 0,20            |
| 1929 | 14:11:48 | 0,08            | 0,06            | 0,06            | 2,92                     | 2,45                     | 8,04                     | 0,34   | 0,40   | 0,97   | 0,16            |
| 1930 | 14:11:53 | 0,02            | 0,05            | 0,06            | 2,92                     | 2,45                     | 8,04                     | 1,44   | 1,36   | 1,44   | 0,09            |
| 1931 | 14:11:58 | 0,05            | 0,07            | 0,07            | 2,92                     | 2,45                     | 8,04                     | 4,27   | 2,06   | 5,04   | 0,14            |
| 1932 | 14:12:03 | 0,39            | 0,29            | 0,19            | 2,92                     | 2,45                     | 8,04                     | 0,07   | 0,36   | 0,45   | 0,70            |
| 1933 | 14:12:08 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,10   | 0,84   | 2,48   | 0,03            |
| 1934 | 14:12:13 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,24   | 1,16   | 2,67   | 0,03            |
| 1935 | 14:12:18 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,54   | 3,03   | 2,95   | 0,02            |
| 1936 | 14:12:23 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,15   | 2,10   | 2,51   | 0,02            |
| 1937 | 14:12:28 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,95   | 1,89   | 2,72   | 0,02            |
| 1938 | 14:12:33 | 0,02            | 0,02            | 0,06            | 2,92                     | 2,45                     | 8,04                     | 0,30   | 0,56   | 0,91   | 0,07            |
| 1939 | 14:12:38 | 0,02            | 0,02            | 0,06            | 2,92                     | 2,45                     | 8,04                     | 0,34   | 0,52   | 0,80   | 0,07            |
| 1940 | 14:12:43 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,22   | 1,76   | 3,01   | 0,02            |
| 1941 | 14:12:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,45   | 2,22   | 3,03   | 0,02            |
| 1942 | 14:12:53 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,81   | 1,39   | 2,76   | 0,02            |
| 1943 | 14:12:58 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,62   | 2,34   | 2,67   | 0,02            |
| 1944 | 14:13:03 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,93   | 1,50   | 2,69   | 0,02            |
| 1945 | 14:13:08 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,15   | 1,25   | 2,74   | 0,02            |
| 1946 | 14:13:13 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,80   | 3,12   | 2,73   | 0,02            |
| 1947 | 14:13:18 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,86   | 1,84   | 2,42   | 0,02            |
| 1948 | 14:13:23 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,35   | 1,65   | 2,07   | 0,02            |
| 1949 | 14:13:28 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,48   | 1,73   | 2,93   | 0,02            |
| 1950 | 14:13:33 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,27   | 2,39   | 2,84   | 0,02            |
| 1951 | 14:13:38 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,31   | 1,80   | 2,74   | 0,02            |
| 1952 | 14:13:43 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,00   | 2,17   | 2,71   | 0,02            |
| 1953 | 14:13:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,92   | 2,86   | 2,55   | 0,02            |
| 1954 | 14:13:53 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,82   | 3,29   | 2,81   | 0,02            |
| 1955 | 14:13:58 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,95   | 1,61   | 2,40   | 0,02            |
| 1956 | 14:14:03 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,20   | 2,19   | 2,79   | 0,02            |
| 1957 | 14:14:08 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,71   | 2,09   | 2,46   | 0,02            |
| 1958 | 14:14:13 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,46   | 1,73   | 2,63   | 0,02            |
| 1959 | 14:14:18 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,21   | 2,32   | 2,53   | 0,02            |
| 1960 | 14:14:23 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,30   | 3,04   | 2,23   | 0,02            |
| 1961 | 14:14:28 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,87   | 2,04   | 2,14   | 0,02            |
| 1962 | 14:14:33 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,39   | 2,51   | 2,51   | 0,02            |
| 1963 | 14:14:38 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,16   | 2,10   | 3,07   | 0,02            |
| 1964 | 14:14:43 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,43   | 2,36   | 2,66   | 0,02            |
| 1965 | 14:14:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,22   | 1,86   | 2,98   | 0,02            |
| 1966 | 14:14:53 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,27   | 1,89   | 2,41   | 0,02            |
| 1967 | 14:14:58 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,58   | 1,92   | 2,18   | 0,02            |
| 1968 | 14:15:03 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,69   | 1,92   | 2,23   | 0,02            |
| 1969 | 14:15:08 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,91   | 2,14   | 2,94   | 0,02            |
| 1970 | 14:15:13 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,74   | 2,01   | 2,54   | 0,02            |
| 1971 | 14:15:18 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,33   | 1,87   | 2,52   | 0,02            |
| 1972 | 14:15:23 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,77   | 2,35   | 2,58   | 0,02            |
| 1973 | 14:15:28 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,92   | 2,46   | 3,35   | 0,02            |
| 1974 | 14:15:33 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,78   | 1,75   | 3,22   | 0,02            |
| 1975 | 14:15:38 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,86   | 2,54   | 3,37   | 0,02            |
| 1976 | 14:15:43 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,28   | 1,70   | 2,39   | 0,02            |
| 1977 | 14:15:48 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,74   | 1,58   | 2,39   | 0,02            |
| 1978 | 14:15:53 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,39   | 2,20   | 2,50   | 0,02            |
| 1979 | 14:15:58 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,17   | 1,80   | 2,58   | 0,02            |
| 1980 | 14:16:03 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,21   | 1,23   | 3,09   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1981 | 14:16:08 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,57   | 1,77   | 3,06   | 0,02            |
| 1982 | 14:16:13 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,25   | 1,82   | 2,51   | 0,02            |
| 1983 | 14:16:18 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,36   | 1,61   | 3,26   | 0,02            |
| 1984 | 14:16:23 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,81   | 1,74   | 2,30   | 0,02            |
| 1985 | 14:16:28 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,10   | 3,03   | 2,97   | 0,02            |
| 1986 | 14:16:33 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,42   | 1,38   | 2,42   | 0,02            |
| 1987 | 14:16:38 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,93   | 2,75   | 2,26   | 0,02            |
| 1988 | 14:16:43 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,64   | 2,50   | 2,92   | 0,02            |
| 1989 | 14:16:48 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,85   | 2,12   | 2,34   | 0,02            |
| 1990 | 14:16:53 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 3,28   | 2,83   | 3,07   | 0,02            |
| 1991 | 14:16:58 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,51   | 2,19   | 2,73   | 0,02            |
| 1992 | 14:17:03 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,38   | 1,42   | 2,34   | 0,02            |
| 1993 | 14:17:08 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,76   | 2,40   | 2,17   | 0,02            |
| 1994 | 14:17:13 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,07   | 2,59   | 2,31   | 0,02            |
| 1995 | 14:17:18 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,87   | 3,12   | 1,85   | 0,02            |
| 1996 | 14:17:23 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,52   | 1,86   | 2,60   | 0,02            |
| 1997 | 14:17:28 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,09   | 1,67   | 2,42   | 0,02            |
| 1998 | 14:17:33 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,57   | 4,35   | 1,86   | 0,02            |
| 1999 | 14:17:38 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,56   | 2,65   | 2,95   | 0,02            |
| 2000 | 14:17:43 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,60   | 1,76   | 3,08   | 0,02            |
| 2001 | 14:17:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,16   | 1,54   | 2,97   | 0,02            |
| 2002 | 14:17:53 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,72   | 2,11   | 3,15   | 0,02            |
| 2003 | 14:17:58 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,73   | 2,80   | 2,67   | 0,02            |
| 2004 | 14:18:03 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,10   | 3,78   | 3,22   | 0,02            |
| 2005 | 14:18:08 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,58   | 1,71   | 1,96   | 0,02            |
| 2006 | 14:18:13 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,22   | 2,19   | 3,03   | 0,02            |
| 2007 | 14:18:18 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,75   | 2,25   | 2,66   | 0,02            |
| 2008 | 14:18:23 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,87   | 2,23   | 3,15   | 0,02            |
| 2009 | 14:18:28 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 4,20   | 1,95   | 2,68   | 0,02            |
| 2010 | 14:18:33 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,39   | 2,03   | 2,46   | 0,02            |
| 2011 | 14:18:38 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,93   | 1,32   | 1,68   | 0,02            |
| 2012 | 14:18:43 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,02   | 2,01   | 2,97   | 0,02            |
| 2013 | 14:18:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,57   | 3,26   | 3,11   | 0,02            |
| 2014 | 14:18:53 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,53   | 3,29   | 3,88   | 0,02            |
| 2015 | 14:18:58 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 3,03   | 2,30   | 1,93   | 0,02            |
| 2016 | 14:19:03 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,79   | 1,56   | 3,16   | 0,02            |
| 2017 | 14:19:08 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,30   | 1,83   | 2,82   | 0,02            |
| 2018 | 14:19:13 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,46   | 2,22   | 2,49   | 0,02            |
| 2019 | 14:19:18 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,56   | 1,79   | 3,94   | 0,02            |
| 2020 | 14:19:23 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,46   | 1,71   | 3,08   | 0,02            |
| 2021 | 14:19:28 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,26   | 2,28   | 3,83   | 0,02            |
| 2022 | 14:19:33 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 3,01   | 2,93   | 2,88   | 0,02            |
| 2023 | 14:19:38 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,64   | 2,13   | 1,88   | 0,02            |
| 2024 | 14:19:43 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,18   | 1,22   | 3,82   | 0,02            |
| 2025 | 14:19:48 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,97   | 2,43   | 3,43   | 0,02            |
| 2026 | 14:19:53 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,71   | 1,53   | 3,07   | 0,02            |
| 2027 | 14:19:58 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,96   | 2,54   | 2,45   | 0,02            |
| 2028 | 14:20:03 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,20   | 1,95   | 3,19   | 0,02            |
| 2029 | 14:20:08 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,14   | 1,77   | 3,12   | 0,02            |
| 2030 | 14:20:13 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 1,42   | 1,87   | 2,95   | 0,02            |
| 2031 | 14:20:18 | 0,01            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,43   | 2,06   | 2,09   | 0,02            |
| 2032 | 14:20:23 | 0,01            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,09   | 1,94   | 3,40   | 0,02            |
| 2033 | 14:20:28 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,51   | 2,07   | 3,68   | 0,02            |
| 2034 | 14:20:33 | 0,00            | 0,01            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,47   | 1,73   | 2,33   | 0,02            |
| 2035 | 14:20:38 | 0,00            | 0,00            | 0,02            | 2,92                     | 2,45                     | 8,04                     | 2,48   | 2,44   | 2,48   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2036 | 14:20:44 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,63   | 2,73   | 2,71   | 0,02             |
| 2037 | 14:20:49 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,23   | 2,53   | 3,09   | 0,02             |
| 2038 | 14:20:54 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,26   | 1,92   | 2,15   | 0,02             |
| 2039 | 14:20:59 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,87   | 2,66   | 2,44   | 0,02             |
| 2040 | 14:21:04 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,49   | 2,50   | 2,50   | 0,02             |
| 2041 | 14:21:09 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,56   | 2,14   | 2,79   | 0,02             |
| 2042 | 14:21:14 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,40   | 1,66   | 2,90   | 0,02             |
| 2043 | 14:21:19 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,01   | 1,93   | 2,79   | 0,02             |
| 2044 | 14:21:24 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 3,11   | 1,67   | 2,50   | 0,02             |
| 2045 | 14:21:29 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,27   | 2,90   | 2,03   | 0,02             |
| 2046 | 14:21:34 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 3,04   | 2,64   | 2,31   | 0,02             |
| 2047 | 14:21:39 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,42   | 2,74   | 2,62   | 0,02             |
| 2048 | 14:21:44 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 0,89   | 2,20   | 2,18   | 0,02             |
| 2049 | 14:21:49 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,60   | 1,81   | 3,06   | 0,02             |
| 2050 | 14:21:54 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,26   | 2,13   | 2,53   | 0,02             |
| 2051 | 14:21:59 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,04   | 2,64   | 2,51   | 0,02             |
| 2052 | 14:22:04 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,12   | 2,10   | 2,88   | 0,02             |
| 2053 | 14:22:09 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,23   | 2,51   | 2,63   | 0,02             |
| 2054 | 14:22:14 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,42   | 1,28   | 2,15   | 0,02             |
| 2055 | 14:22:19 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,36   | 2,20   | 2,89   | 0,02             |
| 2056 | 14:22:24 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,86   | 1,42   | 2,38   | 0,02             |
| 2057 | 14:22:29 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,92   | 2,14   | 3,07   | 0,02             |
| 2058 | 14:22:34 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,29   | 2,32   | 2,49   | 0,02             |
| 2059 | 14:22:39 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,08   | 1,50   | 1,90   | 0,02             |
| 2060 | 14:22:44 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,70   | 1,54   | 2,80   | 0,02             |
| 2061 | 14:22:49 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,18   | 1,75   | 2,16   | 0,02             |
| 2062 | 14:22:54 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,55   | 1,60   | 2,94   | 0,02             |
| 2063 | 14:22:59 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,76   | 2,12   | 2,99   | 0,02             |
| 2064 | 14:23:04 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,03   | 0,85   | 3,24   | 0,02             |
| 2065 | 14:23:09 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,32   | 2,97   | 3,35   | 0,02             |
| 2066 | 14:23:14 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,58   | 2,77   | 2,67   | 0,02             |
| 2067 | 14:23:19 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,29   | 1,73   | 2,43   | 0,02             |
| 2068 | 14:23:24 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,84   | 2,97   | 2,83   | 0,02             |
| 2069 | 14:23:29 | 0,01             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,15   | 2,04   | 2,77   | 0,02             |
| 2070 | 14:23:34 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,48   | 2,37   | 2,98   | 0,02             |
| 2071 | 14:23:39 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,79   | 1,99   | 2,36   | 0,02             |
| 2072 | 14:23:44 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,81   | 2,77   | 2,23   | 0,02             |
| 2073 | 14:23:49 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,93   | 1,21   | 2,87   | 0,02             |
| 2074 | 14:23:54 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,54   | 1,62   | 2,73   | 0,02             |
| 2075 | 14:23:59 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 1,91   | 2,01   | 2,35   | 0,02             |
| 2076 | 14:24:04 | 0,00             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,00   | 1,56   | 2,74   | 0,02             |
| 2077 | 14:24:09 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 3,15   | 1,84   | 2,99   | 0,02             |
| 2078 | 14:24:14 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,78   | 2,01   | 2,50   | 0,02             |
| 2079 | 14:24:19 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,42   | 3,17   | 2,03   | 0,02             |
| 2080 | 14:24:24 | 0,01             | 0,01             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,56   | 2,09   | 3,12   | 0,02             |
| 2081 | 14:24:29 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,84   | 2,48   | 2,45   | 0,02             |
| 2082 | 14:24:34 | 0,00             | 0,00             | 0,02             | 2,92                      | 2,45                      | 8,04                      | 2,40   | 2,86   | 2,39   | 0,02             |
| 2083 | 14:24:40 | 0,52             | 0,27             | 0,81             | 2,94                      | 2,45                      | 8,09                      | 0,60   | 0,64   | 0,28   | 1,15             |
| 2084 | 14:24:45 | 0,07             | 0,06             | 0,07             | 2,94                      | 2,45                      | 8,09                      | 1,59   | 1,91   | 2,07   | 0,15             |
| 2085 | 14:24:51 | 0,39             | 0,13             | 0,60             | 2,94                      | 2,45                      | 8,10                      | 0,32   | 2,52   | 0,39   | 0,82             |
| 2086 | 14:24:56 | 0,01             | 0,04             | 0,04             | 2,94                      | 2,45                      | 8,10                      | 1,82   | 2,00   | 2,34   | 0,07             |
| 2087 | 14:25:01 | 0,01             | 0,02             | 0,03             | 2,94                      | 2,45                      | 8,10                      | 1,34   | 0,66   | 1,81   | 0,04             |
| 2088 | 14:25:06 | 0,01             | 0,04             | 0,04             | 2,94                      | 2,45                      | 8,10                      | 1,59   | 1,03   | 2,92   | 0,08             |
| 2089 | 14:25:11 | 0,20             | 0,09             | 0,10             | 2,94                      | 2,45                      | 8,10                      | 0,78   | 3,29   | 1,25   | 0,31             |
| 2090 | 14:25:16 | 0,41             | 0,14             | 0,16             | 2,95                      | 2,46                      | 8,10                      | 0,59   | 0,93   | 0,92   | 0,62             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2091 | 14:25:21 | 0,20            | 0,24            | 0,27            | 2,95                     | 2,46                     | 8,10                     | 1,01   | 2,86   | 3,10   | 0,52            |
| 2092 | 14:25:26 | 0,53            | 0,48            | 0,29            | 2,96                     | 2,47                     | 8,10                     | 2,20   | 0,67   | 1,73   | 1,05            |
| 2093 | 14:25:31 | 0,42            | 0,16            | 0,21            | 2,97                     | 2,47                     | 8,10                     | 1,23   | 2,17   | 3,05   | 0,67            |
| 2094 | 14:25:36 | 0,31            | 0,17            | 0,29            | 2,97                     | 2,47                     | 8,10                     | 0,90   | 1,32   | 1,63   | 0,57            |
| 2095 | 14:25:41 | 0,16            | 0,16            | 0,22            | 2,97                     | 2,47                     | 8,10                     | 2,07   | 2,76   | 1,10   | 0,39            |
| 2096 | 14:25:46 | 0,24            | 0,10            | 0,19            | 2,97                     | 2,47                     | 8,10                     | 2,04   | 1,23   | 2,97   | 0,41            |
| 2097 | 14:25:51 | 0,34            | 0,20            | 0,40            | 2,97                     | 2,47                     | 8,10                     | 1,78   | 3,72   | 5,47   | 0,69            |
| 2098 | 14:25:56 | 0,19            | 0,24            | 0,39            | 2,97                     | 2,47                     | 8,10                     | 0,59   | 1,08   | 1,48   | 0,58            |
| 2099 | 14:26:01 | 0,06            | 0,12            | 0,24            | 2,97                     | 2,47                     | 8,10                     | 3,32   | 1,09   | 3,42   | 0,31            |
| 2100 | 14:26:06 | 0,06            | 0,11            | 0,24            | 2,97                     | 2,47                     | 8,10                     | 1,75   | 2,52   | 1,88   | 0,29            |
| 2101 | 14:26:11 | 0,07            | 0,14            | 0,22            | 2,97                     | 2,47                     | 8,10                     | 1,48   | 2,26   | 3,31   | 0,32            |
| 2102 | 14:26:16 | 0,07            | 0,10            | 0,27            | 2,97                     | 2,47                     | 8,10                     | 1,37   | 2,91   | 1,36   | 0,32            |
| 2103 | 14:26:21 | 0,12            | 0,19            | 0,31            | 2,97                     | 2,47                     | 8,10                     | 2,66   | 2,27   | 0,78   | 0,44            |
| 2104 | 14:26:26 | 0,24            | 0,48            | 0,34            | 2,97                     | 2,48                     | 8,10                     | 0,73   | 1,05   | 1,54   | 0,82            |
| 2105 | 14:26:31 | 0,14            | 0,17            | 0,31            | 2,97                     | 2,48                     | 8,10                     | 1,96   | 1,96   | 2,18   | 0,44            |
| 2106 | 14:26:36 | 0,19            | 0,22            | 0,31            | 2,97                     | 2,48                     | 8,10                     | 1,44   | 2,21   | 1,27   | 0,51            |
| 2107 | 14:26:41 | 0,33            | 0,06            | 0,12            | 2,97                     | 2,48                     | 8,10                     | 0,78   | 2,68   | 2,37   | 0,49            |
| 2108 | 14:26:46 | 0,33            | 0,52            | 0,43            | 2,98                     | 2,49                     | 8,10                     | 1,71   | 1,97   | 2,14   | 0,96            |
| 2109 | 14:26:51 | 0,52            | 0,32            | 0,30            | 2,99                     | 2,49                     | 8,10                     | 1,28   | 1,13   | 2,63   | 0,91            |
| 2110 | 14:26:56 | 0,12            | 0,13            | 0,35            | 2,99                     | 2,49                     | 8,10                     | 5,84   | 3,28   | 5,31   | 0,43            |
| 2111 | 14:27:01 | 0,22            | 0,19            | 0,55            | 2,99                     | 2,49                     | 8,10                     | 2,24   | 2,75   | 2,28   | 0,68            |
| 2112 | 14:27:06 | 0,18            | 0,15            | 0,29            | 2,99                     | 2,49                     | 8,10                     | 0,77   | 0,81   | 1,91   | 0,44            |
| 2113 | 14:27:11 | 0,25            | 0,10            | 0,20            | 2,99                     | 2,49                     | 8,10                     | 3,54   | 2,17   | 2,04   | 0,43            |
| 2114 | 14:27:16 | 0,53            | 0,24            | 0,79            | 3,00                     | 2,49                     | 8,10                     | 0,67   | 0,67   | 0,45   | 1,13            |
| 2115 | 14:27:21 | 0,31            | 0,10            | 0,20            | 3,00                     | 2,49                     | 8,10                     | 1,00   | 3,67   | 4,32   | 0,50            |
| 2116 | 14:27:26 | 0,13            | 0,12            | 0,20            | 3,00                     | 2,49                     | 8,10                     | 3,30   | 1,93   | 2,99   | 0,31            |
| 2117 | 14:27:31 | 0,31            | 0,28            | 0,51            | 3,00                     | 2,49                     | 8,11                     | 1,01   | 1,64   | 2,64   | 0,77            |
| 2118 | 14:27:36 | 0,09            | 0,11            | 0,29            | 3,00                     | 2,49                     | 8,11                     | 1,64   | 1,64   | 2,62   | 0,35            |
| 2119 | 14:27:41 | 0,20            | 0,20            | 0,57            | 3,00                     | 2,49                     | 8,11                     | 1,72   | 2,59   | 2,28   | 0,69            |
| 2120 | 14:27:46 | 0,21            | 0,25            | 0,71            | 3,00                     | 2,49                     | 8,11                     | 2,65   | 2,50   | 2,44   | 0,85            |
| 2121 | 14:27:51 | 0,23            | 0,20            | 0,28            | 3,00                     | 2,49                     | 8,11                     | 1,94   | 1,53   | 1,51   | 0,51            |
| 2122 | 14:27:56 | 0,12            | 0,21            | 0,25            | 3,00                     | 2,50                     | 8,11                     | 2,39   | 1,16   | 2,19   | 0,42            |
| 2123 | 14:28:01 | 0,20            | 0,13            | 0,34            | 3,00                     | 2,50                     | 8,11                     | 3,11   | 1,82   | 1,49   | 0,48            |
| 2124 | 14:28:06 | 0,24            | 0,20            | 0,53            | 3,01                     | 2,50                     | 8,11                     | 1,99   | 1,88   | 2,67   | 0,69            |
| 2125 | 14:28:11 | 0,35            | 0,11            | 0,23            | 3,01                     | 2,50                     | 8,11                     | 0,37   | 2,00   | 1,43   | 0,56            |
| 2126 | 14:28:16 | 0,28            | 0,27            | 0,52            | 3,01                     | 2,50                     | 8,11                     | 1,85   | 2,12   | 1,87   | 0,75            |
| 2127 | 14:28:21 | 0,23            | 0,10            | 0,11            | 3,01                     | 2,50                     | 8,11                     | 0,68   | 0,91   | 3,87   | 0,36            |
| 2128 | 14:28:26 | 0,21            | 0,29            | 0,43            | 3,01                     | 2,50                     | 8,11                     | 3,63   | 3,78   | 3,97   | 0,66            |
| 2129 | 14:28:31 | 0,40            | 0,35            | 0,28            | 3,02                     | 2,51                     | 8,11                     | 0,61   | 0,57   | 1,68   | 0,80            |
| 2130 | 14:28:36 | 0,08            | 0,10            | 0,17            | 3,02                     | 2,51                     | 8,11                     | 1,01   | 2,71   | 1,89   | 0,25            |
| 2131 | 14:28:41 | 0,26            | 0,08            | 0,14            | 3,02                     | 2,51                     | 8,11                     | 3,20   | 1,83   | 2,31   | 0,41            |
| 2132 | 14:28:46 | 0,20            | 0,21            | 0,19            | 3,02                     | 2,51                     | 8,11                     | 0,94   | 3,36   | 2,41   | 0,45            |
| 2133 | 14:28:51 | 0,43            | 0,23            | 0,34            | 3,02                     | 2,51                     | 8,11                     | 1,30   | 1,55   | 3,64   | 0,76            |
| 2134 | 14:28:56 | 0,21            | 0,12            | 0,32            | 3,02                     | 2,51                     | 8,11                     | 0,65   | 2,39   | 1,70   | 0,46            |
| 2135 | 14:29:01 | 0,09            | 0,12            | 0,37            | 3,02                     | 2,51                     | 8,11                     | 2,60   | 1,30   | 1,32   | 0,43            |
| 2136 | 14:29:06 | 0,06            | 0,14            | 0,27            | 3,02                     | 2,51                     | 8,11                     | 3,07   | 3,49   | 6,00   | 0,34            |
| 2137 | 14:29:11 | 0,10            | 0,21            | 0,41            | 3,02                     | 2,51                     | 8,11                     | 1,50   | 1,01   | 1,84   | 0,52            |
| 2138 | 14:29:16 | 0,14            | 0,16            | 0,49            | 3,02                     | 2,51                     | 8,11                     | 1,91   | 0,89   | 1,56   | 0,57            |
| 2139 | 14:29:21 | 0,13            | 0,13            | 0,32            | 3,02                     | 2,51                     | 8,11                     | 1,36   | 2,33   | 2,32   | 0,41            |
| 2140 | 14:29:26 | 0,09            | 0,18            | 0,31            | 3,02                     | 2,52                     | 8,11                     | 3,58   | 2,82   | 5,59   | 0,42            |
| 2141 | 14:29:31 | 0,45            | 0,20            | 0,29            | 3,03                     | 2,52                     | 8,11                     | 0,49   | 1,75   | 3,25   | 0,75            |
| 2142 | 14:29:36 | 0,10            | 0,27            | 0,40            | 3,03                     | 2,52                     | 8,11                     | 2,60   | 1,28   | 2,50   | 0,57            |
| 2143 | 14:29:41 | 0,10            | 0,23            | 0,39            | 3,03                     | 2,52                     | 8,11                     | 1,35   | 2,08   | 1,23   | 0,53            |
| 2144 | 14:29:46 | 0,44            | 0,25            | 0,66            | 3,04                     | 2,52                     | 8,11                     | 1,69   | 2,09   | 0,75   | 0,97            |
| 2145 | 14:29:51 | 0,12            | 0,29            | 0,29            | 3,04                     | 2,52                     | 8,11                     | 1,41   | 1,03   | 1,59   | 0,52            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2146 | 14:29:56 | 0,27             | 0,34             | 0,37             | 3,04                      | 2,52                      | 8,11                      | 2,56   | 0,95   | 1,31   | 0,71             |
| 2147 | 14:30:01 | 0,32             | 0,31             | 0,13             | 3,04                      | 2,53                      | 8,11                      | 1,27   | 0,99   | 1,90   | 0,64             |
| 2148 | 14:30:06 | 0,42             | 0,16             | 0,13             | 3,05                      | 2,53                      | 8,11                      | 3,31   | 1,86   | 3,43   | 0,65             |
| 2149 | 14:30:11 | 0,36             | 0,10             | 0,10             | 3,05                      | 2,53                      | 8,11                      | 0,12   | 0,53   | 0,55   | 0,53             |
| 2150 | 14:30:16 | 0,02             | 0,04             | 0,05             | 3,05                      | 2,53                      | 8,11                      | 0,75   | 1,00   | 1,47   | 0,07             |
| 2151 | 14:30:21 | 0,01             | 0,03             | 0,03             | 3,05                      | 2,53                      | 8,11                      | 3,07   | 4,46   | 4,16   | 0,05             |
| 2152 | 14:30:26 | 0,26             | 0,15             | 0,14             | 3,05                      | 2,53                      | 8,11                      | 0,24   | 0,41   | 0,51   | 0,44             |
| 2153 | 14:30:31 | 0,01             | 0,03             | 0,07             | 3,05                      | 2,53                      | 8,11                      | 1,37   | 0,44   | 0,69   | 0,08             |
| 2154 | 14:30:36 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 3,98   | 1,83   | 2,24   | 0,02             |
| 2155 | 14:30:41 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,78   | 2,20   | 3,06   | 0,02             |
| 2156 | 14:30:46 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,46   | 2,49   | 2,33   | 0,02             |
| 2157 | 14:30:51 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,93   | 2,00   | 2,60   | 0,02             |
| 2158 | 14:30:56 | 0,01             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,76   | 3,38   | 2,94   | 0,02             |
| 2159 | 14:31:01 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,78   | 2,34   | 2,18   | 0,02             |
| 2160 | 14:31:06 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,03   | 1,78   | 2,64   | 0,02             |
| 2161 | 14:31:11 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,09   | 2,04   | 2,24   | 0,02             |
| 2162 | 14:31:16 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,98   | 1,85   | 2,27   | 0,02             |
| 2163 | 14:31:21 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,14   | 2,67   | 2,82   | 0,02             |
| 2164 | 14:31:26 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 3,47   | 3,92   | 2,61   | 0,02             |
| 2165 | 14:31:31 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,27   | 1,33   | 2,58   | 0,02             |
| 2166 | 14:31:36 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,62   | 3,66   | 3,05   | 0,02             |
| 2167 | 14:31:41 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,65   | 2,21   | 2,16   | 0,02             |
| 2168 | 14:31:47 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,83   | 2,94   | 3,36   | 0,02             |
| 2169 | 14:31:52 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,65   | 2,10   | 2,44   | 0,02             |
| 2170 | 14:31:57 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,84   | 2,66   | 2,58   | 0,02             |
| 2171 | 14:32:02 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,72   | 2,88   | 2,64   | 0,02             |
| 2172 | 14:32:07 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,43   | 1,07   | 2,51   | 0,03             |
| 2173 | 14:32:12 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,72   | 1,56   | 2,14   | 0,02             |
| 2174 | 14:32:17 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,94   | 3,03   | 3,08   | 0,02             |
| 2175 | 14:32:22 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,25   | 2,77   | 2,00   | 0,02             |
| 2176 | 14:32:27 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,31   | 1,60   | 2,89   | 0,02             |
| 2177 | 14:32:32 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,70   | 1,95   | 2,14   | 0,02             |
| 2178 | 14:32:37 | 0,01             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,92   | 3,21   | 2,59   | 0,02             |
| 2179 | 14:32:42 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 3,57   | 2,29   | 3,21   | 0,02             |
| 2180 | 14:32:47 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,57   | 1,42   | 2,39   | 0,02             |
| 2181 | 14:32:52 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,72   | 1,96   | 2,51   | 0,02             |
| 2182 | 14:32:57 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,87   | 1,58   | 2,34   | 0,02             |
| 2183 | 14:33:02 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,76   | 1,89   | 3,53   | 0,02             |
| 2184 | 14:33:07 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,55   | 2,08   | 2,03   | 0,02             |
| 2185 | 14:33:12 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,54   | 2,15   | 2,94   | 0,02             |
| 2186 | 14:33:17 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,44   | 3,14   | 2,58   | 0,02             |
| 2187 | 14:33:22 | 0,01             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 3,15   | 1,38   | 2,27   | 0,02             |
| 2188 | 14:33:27 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,17   | 3,48   | 2,62   | 0,02             |
| 2189 | 14:33:32 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,75   | 2,56   | 2,64   | 0,02             |
| 2190 | 14:33:37 | 0,01             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 3,01   | 3,19   | 2,35   | 0,02             |
| 2191 | 14:33:42 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,56   | 1,55   | 2,09   | 0,02             |
| 2192 | 14:33:47 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,58   | 2,82   | 3,69   | 0,02             |
| 2193 | 14:33:52 | 0,01             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,98   | 2,18   | 2,45   | 0,02             |
| 2194 | 14:33:57 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,61   | 1,69   | 2,45   | 0,02             |
| 2195 | 14:34:02 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,96   | 2,59   | 2,03   | 0,02             |
| 2196 | 14:34:07 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,44   | 2,49   | 2,28   | 0,02             |
| 2197 | 14:34:12 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,32   | 1,96   | 3,36   | 0,02             |
| 2198 | 14:34:17 | 0,00             | 0,01             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,77   | 1,76   | 2,09   | 0,02             |
| 2199 | 14:34:22 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 2,24   | 2,44   | 2,78   | 0,02             |
| 2200 | 14:34:27 | 0,00             | 0,00             | 0,02             | 3,05                      | 2,53                      | 8,11                      | 1,06   | 1,29   | 2,47   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2201 | 14:34:32 | 0,00            | 0,01            | 0,02            | 3,05                     | 2,53                     | 8,11                     | 1,86   | 1,73   | 3,18   | 0,02            |
| 2202 | 14:34:37 | 0,00            | 0,00            | 0,02            | 3,05                     | 2,53                     | 8,11                     | 1,86   | 1,65   | 2,39   | 0,02            |
| 2203 | 14:34:42 | 0,01            | 0,00            | 0,02            | 3,05                     | 2,53                     | 8,11                     | 1,26   | 1,69   | 2,27   | 0,02            |
| 2204 | 14:34:47 | 0,01            | 0,01            | 0,02            | 3,05                     | 2,53                     | 8,11                     | 1,53   | 1,29   | 2,19   | 0,02            |
| 2205 | 14:34:52 | 0,01            | 0,01            | 0,03            | 3,05                     | 2,53                     | 8,11                     | 5,29   | 3,59   | 5,97   | 0,03            |
| 2206 | 14:34:57 | 0,49            | 0,61            | 1,54            | 3,11                     | 2,64                     | 8,24                     | 0,06   | 0,20   | 0,06   | 1,88            |
| 2207 | 14:35:02 | 0,04            | 0,17            | 0,05            | 3,11                     | 2,64                     | 8,24                     | 1,14   | 0,73   | 2,43   | 0,26            |
| 2208 | 14:35:07 | 0,02            | 0,05            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 0,88   | 0,56   | 2,26   | 0,09            |
| 2209 | 14:35:12 | 0,01            | 0,01            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 2,45   | 3,73   | 4,07   | 0,03            |
| 2210 | 14:35:17 | 0,01            | 0,02            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 1,60   | 1,37   | 2,64   | 0,04            |
| 2211 | 14:35:22 | 0,01            | 0,02            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 3,03   | 0,93   | 2,22   | 0,04            |
| 2212 | 14:35:27 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 2,39   | 3,51   | 2,58   | 0,03            |
| 2213 | 14:35:32 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 2,13   | 2,68   | 2,60   | 0,03            |
| 2214 | 14:35:37 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 2,04   | 3,07   | 2,44   | 0,03            |
| 2215 | 14:35:42 | 0,01            | 0,03            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 0,89   | 1,16   | 2,40   | 0,05            |
| 2216 | 14:35:47 | 0,01            | 0,03            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 3,32   | 4,15   | 2,99   | 0,05            |
| 2217 | 14:35:52 | 0,02            | 0,04            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 0,66   | 0,58   | 2,46   | 0,06            |
| 2218 | 14:35:57 | 0,01            | 0,01            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 2,26   | 2,74   | 2,80   | 0,03            |
| 2219 | 14:36:02 | 0,02            | 0,04            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 0,53   | 0,86   | 1,69   | 0,07            |
| 2220 | 14:36:07 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 2,02   | 2,92   | 2,48   | 0,03            |
| 2221 | 14:36:12 | 0,00            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 3,06   | 2,89   | 2,24   | 0,03            |
| 2222 | 14:36:17 | 0,01            | 0,02            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 2,26   | 1,68   | 2,55   | 0,04            |
| 2223 | 14:36:22 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 2,00   | 1,86   | 2,78   | 0,03            |
| 2224 | 14:36:27 | 0,01            | 0,01            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 1,43   | 3,13   | 2,16   | 0,04            |
| 2225 | 14:36:32 | 0,01            | 0,01            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 2,11   | 1,57   | 2,86   | 0,03            |
| 2226 | 14:36:37 | 0,05            | 0,14            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 1,22   | 1,77   | 1,67   | 0,21            |
| 2227 | 14:36:42 | 0,01            | 0,04            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 0,84   | 0,43   | 2,37   | 0,07            |
| 2228 | 14:36:47 | 0,01            | 0,01            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 4,12   | 4,27   | 4,15   | 0,05            |
| 2229 | 14:36:52 | 0,02            | 0,05            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 1,26   | 0,94   | 2,26   | 0,08            |
| 2230 | 14:36:57 | 0,01            | 0,01            | 0,03            | 3,11                     | 2,64                     | 8,24                     | 1,26   | 1,67   | 1,77   | 0,04            |
| 2231 | 14:37:02 | 0,01            | 0,01            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 4,73   | 2,58   | 3,55   | 0,03            |
| 2232 | 14:37:07 | 0,02            | 0,02            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 2,02   | 1,72   | 1,89   | 0,06            |
| 2233 | 14:37:12 | 0,03            | 0,04            | 0,06            | 3,11                     | 2,64                     | 8,24                     | 2,18   | 0,84   | 1,91   | 0,09            |
| 2234 | 14:37:17 | 0,10            | 0,03            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 1,05   | 0,96   | 3,79   | 0,16            |
| 2235 | 14:37:22 | 0,08            | 0,02            | 0,04            | 3,11                     | 2,64                     | 8,24                     | 0,20   | 0,60   | 1,57   | 0,12            |
| 2236 | 14:37:27 | 0,14            | 0,06            | 0,07            | 3,11                     | 2,64                     | 8,24                     | 4,15   | 3,06   | 3,38   | 0,23            |
| 2237 | 14:37:32 | 0,02            | 0,02            | 0,02            | 3,11                     | 2,64                     | 8,24                     | 4,68   | 2,13   | 4,38   | 0,05            |
| 2238 | 14:37:37 | 0,33            | 0,48            | 0,26            | 3,11                     | 2,65                     | 8,24                     | 2,23   | 2,55   | 2,05   | 0,85            |
| 2239 | 14:37:42 | 0,42            | 0,36            | 0,41            | 3,12                     | 2,66                     | 8,24                     | 1,41   | 1,68   | 2,38   | 0,88            |
| 2240 | 14:37:47 | 0,22            | 0,18            | 0,30            | 3,12                     | 2,66                     | 8,24                     | 0,98   | 2,00   | 2,57   | 0,50            |
| 2241 | 14:37:52 | 0,20            | 0,48            | 0,39            | 3,12                     | 2,66                     | 8,24                     | 2,47   | 2,30   | 2,44   | 0,83            |
| 2242 | 14:37:57 | 0,41            | 0,41            | 0,26            | 3,12                     | 2,67                     | 8,24                     | 0,88   | 1,18   | 3,55   | 0,85            |
| 2243 | 14:38:02 | 0,11            | 0,23            | 0,29            | 3,12                     | 2,67                     | 8,24                     | 3,19   | 1,12   | 1,47   | 0,46            |
| 2244 | 14:38:07 | 0,26            | 0,19            | 0,21            | 3,12                     | 2,67                     | 8,24                     | 0,84   | 1,07   | 2,04   | 0,50            |
| 2245 | 14:38:12 | 0,43            | 0,24            | 0,27            | 3,13                     | 2,67                     | 8,24                     | 1,63   | 1,67   | 3,95   | 0,73            |
| 2246 | 14:38:17 | 0,17            | 0,18            | 0,34            | 3,13                     | 2,67                     | 8,24                     | 1,23   | 1,50   | 1,55   | 0,49            |
| 2247 | 14:38:22 | 0,45            | 0,23            | 0,61            | 3,13                     | 2,67                     | 8,25                     | 0,46   | 1,58   | 1,58   | 0,93            |
| 2248 | 14:38:27 | 0,18            | 0,18            | 0,35            | 3,13                     | 2,67                     | 8,25                     | 2,41   | 1,98   | 2,36   | 0,50            |
| 2249 | 14:38:32 | 0,17            | 0,14            | 0,28            | 3,13                     | 2,67                     | 8,25                     | 1,04   | 1,89   | 2,09   | 0,42            |
| 2250 | 14:38:37 | 0,14            | 0,17            | 0,35            | 3,13                     | 2,67                     | 8,25                     | 1,93   | 2,17   | 2,61   | 0,46            |
| 2251 | 14:38:42 | 0,08            | 0,14            | 0,37            | 3,13                     | 2,67                     | 8,25                     | 3,70   | 4,55   | 2,55   | 0,43            |
| 2252 | 14:38:47 | 0,11            | 0,16            | 0,34            | 3,13                     | 2,67                     | 8,25                     | 1,27   | 1,63   | 1,37   | 0,43            |
| 2253 | 14:38:52 | 0,13            | 0,09            | 0,26            | 3,13                     | 2,67                     | 8,25                     | 3,02   | 3,48   | 2,43   | 0,34            |
| 2254 | 14:38:57 | 0,14            | 0,10            | 0,23            | 3,13                     | 2,67                     | 8,25                     | 1,36   | 1,84   | 1,59   | 0,33            |
| 2255 | 14:39:02 | 0,56            | 0,16            | 0,58            | 3,16                     | 2,67                     | 8,25                     | 1,47   | 0,99   | 0,98   | 1,00            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2256 | 14:39:07 | 0,14            | 0,12            | 0,34            | 3,16                     | 2,67                     | 8,25                     | 1,90   | 1,97   | 2,01   | 0,42            |
| 2257 | 14:39:12 | 0,56            | 0,21            | 0,57            | 3,17                     | 2,67                     | 8,25                     | 1,76   | 2,32   | 1,05   | 1,01            |
| 2258 | 14:39:17 | 0,33            | 0,36            | 0,61            | 3,17                     | 2,68                     | 8,25                     | 1,33   | 1,51   | 2,71   | 0,92            |
| 2259 | 14:39:22 | 0,34            | 0,14            | 0,32            | 3,18                     | 2,68                     | 8,25                     | 1,27   | 2,26   | 2,59   | 0,61            |
| 2260 | 14:39:27 | 0,18            | 0,12            | 0,55            | 3,18                     | 2,68                     | 8,25                     | 3,61   | 3,34   | 3,06   | 0,63            |
| 2261 | 14:39:32 | 0,23            | 0,16            | 0,42            | 3,18                     | 2,68                     | 8,25                     | 4,44   | 3,66   | 6,56   | 0,58            |
| 2262 | 14:39:37 | 0,20            | 0,34            | 0,36            | 3,18                     | 2,68                     | 8,25                     | 1,78   | 0,50   | 5,41   | 0,66            |
| 2263 | 14:39:42 | 0,25            | 0,32            | 0,29            | 3,18                     | 2,68                     | 8,25                     | 1,47   | 1,74   | 1,24   | 0,64            |
| 2264 | 14:39:47 | 0,16            | 0,29            | 0,26            | 3,18                     | 2,68                     | 8,25                     | 4,58   | 1,30   | 1,98   | 0,54            |
| 2265 | 14:39:52 | 0,14            | 0,11            | 0,20            | 3,18                     | 2,68                     | 8,25                     | 1,10   | 1,54   | 1,99   | 0,33            |
| 2266 | 14:39:57 | 0,22            | 0,12            | 0,14            | 3,18                     | 2,68                     | 8,25                     | 2,02   | 1,03   | 1,20   | 0,37            |
| 2267 | 14:40:02 | 0,12            | 0,02            | 0,04            | 3,18                     | 2,68                     | 8,25                     | 0,26   | 1,27   | 3,26   | 0,17            |
| 2268 | 14:40:07 | 0,02            | 0,01            | 0,03            | 3,18                     | 2,68                     | 8,25                     | 0,59   | 1,47   | 2,07   | 0,05            |
| 2269 | 14:40:12 | 0,01            | 0,01            | 0,02            | 3,18                     | 2,68                     | 8,25                     | 2,18   | 2,56   | 2,74   | 0,03            |
| 2270 | 14:40:17 | 0,01            | 0,01            | 0,02            | 3,18                     | 2,68                     | 8,25                     | 1,64   | 1,22   | 2,77   | 0,03            |
| 2271 | 14:40:22 | 0,00            | 0,01            | 0,02            | 3,18                     | 2,68                     | 8,25                     | 1,73   | 2,09   | 2,81   | 0,02            |
| 2272 | 14:40:27 | 0,00            | 0,01            | 0,02            | 3,18                     | 2,68                     | 8,25                     | 3,00   | 3,35   | 2,94   | 0,02            |
| 2273 | 14:40:32 | 0,01            | 0,01            | 0,02            | 3,18                     | 2,68                     | 8,25                     | 2,09   | 2,24   | 3,56   | 0,03            |
| 2274 | 14:40:37 | 0,03            | 0,02            | 0,03            | 3,18                     | 2,68                     | 8,25                     | 1,57   | 1,61   | 1,94   | 0,06            |
| 2275 | 14:40:42 | 0,22            | 0,04            | 0,07            | 3,18                     | 2,68                     | 8,25                     | 2,79   | 2,89   | 2,77   | 0,31            |
| 2276 | 14:40:47 | 0,29            | 0,22            | 0,32            | 3,18                     | 2,68                     | 8,25                     | 2,82   | 2,18   | 1,60   | 0,60            |
| 2277 | 14:40:52 | 0,36            | 0,44            | 0,29            | 3,18                     | 2,69                     | 8,25                     | 2,44   | 1,16   | 1,52   | 0,85            |
| 2278 | 14:40:57 | 0,21            | 0,10            | 0,18            | 3,18                     | 2,69                     | 8,25                     | 0,59   | 1,61   | 3,06   | 0,37            |
| 2279 | 14:41:02 | 0,10            | 0,09            | 0,14            | 3,18                     | 2,69                     | 8,25                     | 1,57   | 1,48   | 1,11   | 0,24            |
| 2280 | 14:41:07 | 0,12            | 0,03            | 0,04            | 3,18                     | 2,69                     | 8,25                     | 0,08   | 0,49   | 1,24   | 0,18            |
| 2281 | 14:41:12 | 0,00            | 0,01            | 0,02            | 3,18                     | 2,69                     | 8,25                     | 1,41   | 2,99   | 2,61   | 0,02            |
| 2282 | 14:41:17 | 0,01            | 0,01            | 0,02            | 3,18                     | 2,69                     | 8,25                     | 1,69   | 1,75   | 2,68   | 0,02            |
| 2283 | 14:41:22 | 0,21            | 0,05            | 0,07            | 3,18                     | 2,69                     | 8,25                     | 2,94   | 2,80   | 3,70   | 0,31            |
| 2284 | 14:41:27 | 0,33            | 0,35            | 0,42            | 3,18                     | 2,69                     | 8,25                     | 0,82   | 1,14   | 2,84   | 0,80            |
| 2285 | 14:41:32 | 0,23            | 0,21            | 0,59            | 3,18                     | 2,69                     | 8,25                     | 0,45   | 0,84   | 0,80   | 0,74            |
| 2286 | 14:41:37 | 0,15            | 0,12            | 0,16            | 3,18                     | 2,69                     | 8,25                     | 1,82   | 1,45   | 2,30   | 0,31            |
| 2287 | 14:41:42 | 0,12            | 0,21            | 0,20            | 3,18                     | 2,69                     | 8,25                     | 1,45   | 1,44   | 2,49   | 0,39            |
| 2288 | 14:41:47 | 0,19            | 0,20            | 0,46            | 3,18                     | 2,69                     | 8,26                     | 2,37   | 2,99   | 1,82   | 0,60            |
| 2289 | 14:41:52 | 0,32            | 0,11            | 0,29            | 3,19                     | 2,69                     | 8,26                     | 1,01   | 2,15   | 1,07   | 0,56            |
| 2290 | 14:41:57 | 0,16            | 0,10            | 0,12            | 3,19                     | 2,69                     | 8,26                     | 0,84   | 1,81   | 1,91   | 0,30            |
| 2291 | 14:42:02 | 0,13            | 0,15            | 0,14            | 3,19                     | 2,69                     | 8,26                     | 1,52   | 2,22   | 2,23   | 0,31            |
| 2292 | 14:42:07 | 0,15            | 0,19            | 0,25            | 3,19                     | 2,69                     | 8,26                     | 1,86   | 1,88   | 2,40   | 0,42            |
| 2293 | 14:42:12 | 0,26            | 0,20            | 0,18            | 3,19                     | 2,70                     | 8,26                     | 3,50   | 1,15   | 1,14   | 0,49            |
| 2294 | 14:42:17 | 0,17            | 0,07            | 0,05            | 3,19                     | 2,70                     | 8,26                     | 0,08   | 0,31   | 0,92   | 0,27            |
| 2295 | 14:42:22 | 0,01            | 0,02            | 0,04            | 3,19                     | 2,70                     | 8,26                     | 2,18   | 2,44   | 2,96   | 0,05            |
| 2296 | 14:42:27 | 0,01            | 0,01            | 0,03            | 3,19                     | 2,70                     | 8,26                     | 1,66   | 1,54   | 1,85   | 0,03            |
| 2297 | 14:42:32 | 0,01            | 0,01            | 0,03            | 3,19                     | 2,70                     | 8,26                     | 1,43   | 1,80   | 2,40   | 0,03            |
| 2298 | 14:42:37 | 0,01            | 0,01            | 0,03            | 3,19                     | 2,70                     | 8,26                     | 1,58   | 1,22   | 1,82   | 0,04            |
| 2299 | 14:42:42 | 0,00            | 0,01            | 0,02            | 3,19                     | 2,70                     | 8,26                     | 1,87   | 2,93   | 2,07   | 0,02            |
| 2300 | 14:42:47 | 0,12            | 0,05            | 0,07            | 3,19                     | 2,70                     | 8,26                     | 4,71   | 3,40   | 5,35   | 0,20            |
| 2301 | 14:42:52 | 0,27            | 0,24            | 0,38            | 3,19                     | 2,70                     | 8,26                     | 1,80   | 1,73   | 3,02   | 0,63            |
| 2302 | 14:42:57 | 0,12            | 0,15            | 0,20            | 3,19                     | 2,70                     | 8,26                     | 2,47   | 1,67   | 1,74   | 0,33            |
| 2303 | 14:43:02 | 0,33            | 0,07            | 0,15            | 3,19                     | 2,70                     | 8,26                     | 1,82   | 1,60   | 1,77   | 0,50            |
| 2304 | 14:43:07 | 0,30            | 0,06            | 0,13            | 3,19                     | 2,70                     | 8,26                     | 0,62   | 1,71   | 2,20   | 0,45            |
| 2305 | 14:43:12 | 0,24            | 0,40            | 0,50            | 3,19                     | 2,70                     | 8,26                     | 0,96   | 1,11   | 1,51   | 0,82            |
| 2306 | 14:43:17 | 0,28            | 0,14            | 0,20            | 3,19                     | 2,70                     | 8,26                     | 0,93   | 2,86   | 1,71   | 0,48            |
| 2307 | 14:43:22 | 0,26            | 0,08            | 0,13            | 3,19                     | 2,70                     | 8,26                     | 1,28   | 1,11   | 2,07   | 0,40            |
| 2308 | 14:43:27 | 0,22            | 0,10            | 0,20            | 3,19                     | 2,70                     | 8,26                     | 1,29   | 2,29   | 6,22   | 0,39            |
| 2309 | 14:43:32 | 0,09            | 0,22            | 0,42            | 3,19                     | 2,70                     | 8,26                     | 1,07   | 1,00   | 1,03   | 0,54            |
| 2310 | 14:43:37 | 0,19            | 0,13            | 0,21            | 3,19                     | 2,70                     | 8,26                     | 3,92   | 3,02   | 1,69   | 0,39            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2311 | 14:43:42 | 0,12            | 0,16            | 0,20            | 3,19                     | 2,70                     | 8,26                     | 1,51   | 1,36   | 2,06   | 0,34            |
| 2312 | 14:43:47 | 0,21            | 0,47            | 0,56            | 3,19                     | 2,71                     | 8,26                     | 2,41   | 2,39   | 1,59   | 0,91            |
| 2313 | 14:43:52 | 0,14            | 0,35            | 0,32            | 3,19                     | 2,71                     | 8,26                     | 2,61   | 0,51   | 3,33   | 0,62            |
| 2314 | 14:43:57 | 0,21            | 0,23            | 0,53            | 3,19                     | 2,71                     | 8,26                     | 2,63   | 2,43   | 2,33   | 0,69            |
| 2315 | 14:44:02 | 0,22            | 0,22            | 0,67            | 3,19                     | 2,71                     | 8,26                     | 1,01   | 2,66   | 1,09   | 0,80            |
| 2316 | 14:44:07 | 0,09            | 0,12            | 0,27            | 3,19                     | 2,71                     | 8,26                     | 3,07   | 1,81   | 2,53   | 0,34            |
| 2317 | 14:44:12 | 0,12            | 0,35            | 0,26            | 3,19                     | 2,72                     | 8,26                     | 1,70   | 1,94   | 1,25   | 0,57            |
| 2318 | 14:44:17 | 0,18            | 0,35            | 0,41            | 3,19                     | 2,72                     | 8,26                     | 2,47   | 0,60   | 0,41   | 0,68            |
| 2319 | 14:44:22 | 0,23            | 0,06            | 0,06            | 3,19                     | 2,72                     | 8,26                     | 0,08   | 0,39   | 0,79   | 0,34            |
| 2320 | 14:44:27 | 0,00            | 0,01            | 0,02            | 3,19                     | 2,72                     | 8,26                     | 2,41   | 2,70   | 2,66   | 0,02            |
| 2321 | 14:44:32 | 0,01            | 0,01            | 0,02            | 3,19                     | 2,72                     | 8,26                     | 2,22   | 2,22   | 2,11   | 0,03            |
| 2322 | 14:44:37 | 0,00            | 0,01            | 0,02            | 3,19                     | 2,72                     | 8,26                     | 1,65   | 1,77   | 2,49   | 0,03            |
| 2323 | 14:44:42 | 0,18            | 0,04            | 0,07            | 3,19                     | 2,72                     | 8,26                     | 2,81   | 1,69   | 3,50   | 0,27            |
| 2324 | 14:44:47 | 0,58            | 0,45            | 0,34            | 3,20                     | 2,72                     | 8,26                     | 0,73   | 2,16   | 2,21   | 1,08            |
| 2325 | 14:44:52 | 0,28            | 0,39            | 0,23            | 3,20                     | 2,73                     | 8,26                     | 1,22   | 1,03   | 2,71   | 0,71            |
| 2326 | 14:44:57 | 0,11            | 0,13            | 0,33            | 3,20                     | 2,73                     | 8,26                     | 2,86   | 1,51   | 2,54   | 0,41            |
| 2327 | 14:45:02 | 0,23            | 0,31            | 0,24            | 3,20                     | 2,73                     | 8,26                     | 0,58   | 2,18   | 1,99   | 0,59            |
| 2328 | 14:45:07 | 0,11            | 0,35            | 0,23            | 3,20                     | 2,73                     | 8,26                     | 1,98   | 3,59   | 2,96   | 0,56            |
| 2329 | 14:45:12 | 0,22            | 0,32            | 0,31            | 3,20                     | 2,74                     | 8,26                     | 3,78   | 1,19   | 3,42   | 0,62            |
| 2330 | 14:45:17 | 0,16            | 0,21            | 0,40            | 3,20                     | 2,74                     | 8,26                     | 1,50   | 2,84   | 1,45   | 0,55            |
| 2331 | 14:45:22 | 0,17            | 0,14            | 0,23            | 3,20                     | 2,74                     | 8,26                     | 0,83   | 1,10   | 1,48   | 0,38            |
| 2332 | 14:45:27 | 0,12            | 0,14            | 0,32            | 3,20                     | 2,74                     | 8,26                     | 1,12   | 2,48   | 1,70   | 0,42            |
| 2333 | 14:45:32 | 0,07            | 0,09            | 0,29            | 3,20                     | 2,74                     | 8,26                     | 2,37   | 1,63   | 2,01   | 0,33            |
| 2334 | 14:45:37 | 0,12            | 0,17            | 0,42            | 3,20                     | 2,74                     | 8,26                     | 1,39   | 1,30   | 1,15   | 0,52            |
| 2335 | 14:45:42 | 0,08            | 0,15            | 0,35            | 3,20                     | 2,74                     | 8,26                     | 2,45   | 2,44   | 3,69   | 0,42            |
| 2336 | 14:45:47 | 0,11            | 0,11            | 0,40            | 3,20                     | 2,74                     | 8,26                     | 3,07   | 2,81   | 3,46   | 0,46            |
| 2337 | 14:45:52 | 0,12            | 0,20            | 0,37            | 3,20                     | 2,74                     | 8,26                     | 2,48   | 1,88   | 2,45   | 0,50            |
| 2338 | 14:45:57 | 0,06            | 0,12            | 0,28            | 3,20                     | 2,74                     | 8,26                     | 2,01   | 3,17   | 2,32   | 0,34            |
| 2339 | 14:46:02 | 0,08            | 0,17            | 0,39            | 3,20                     | 2,74                     | 8,26                     | 3,01   | 3,60   | 2,82   | 0,47            |
| 2340 | 14:46:07 | 0,08            | 0,12            | 0,21            | 3,20                     | 2,74                     | 8,26                     | 1,75   | 2,02   | 2,36   | 0,29            |
| 2341 | 14:46:12 | 0,08            | 0,10            | 0,28            | 3,20                     | 2,74                     | 8,26                     | 1,20   | 2,62   | 1,65   | 0,34            |
| 2342 | 14:46:17 | 0,08            | 0,14            | 0,28            | 3,20                     | 2,74                     | 8,26                     | 1,62   | 3,42   | 1,83   | 0,37            |
| 2343 | 14:46:22 | 0,10            | 0,15            | 0,33            | 3,20                     | 2,74                     | 8,26                     | 1,40   | 2,18   | 1,45   | 0,42            |
| 2344 | 14:46:27 | 0,09            | 0,12            | 0,34            | 3,20                     | 2,74                     | 8,26                     | 3,93   | 2,44   | 4,07   | 0,39            |
| 2345 | 14:46:32 | 0,08            | 0,13            | 0,23            | 3,20                     | 2,74                     | 8,26                     | 2,06   | 1,41   | 1,62   | 0,32            |
| 2346 | 14:46:37 | 0,16            | 0,24            | 0,38            | 3,20                     | 2,74                     | 8,26                     | 2,29   | 1,96   | 3,50   | 0,56            |
| 2347 | 14:46:42 | 0,25            | 0,31            | 0,33            | 3,20                     | 2,75                     | 8,26                     | 1,32   | 1,82   | 1,50   | 0,65            |
| 2348 | 14:46:47 | 0,18            | 0,40            | 0,44            | 3,20                     | 2,76                     | 8,26                     | 1,63   | 1,98   | 1,72   | 0,76            |
| 2349 | 14:46:52 | 0,28            | 0,15            | 0,48            | 3,21                     | 2,76                     | 8,26                     | 0,78   | 1,99   | 1,45   | 0,65            |
| 2350 | 14:46:57 | 0,19            | 0,10            | 0,25            | 3,21                     | 2,76                     | 8,26                     | 3,05   | 2,29   | 2,87   | 0,39            |
| 2351 | 14:47:02 | 0,44            | 0,23            | 0,67            | 3,21                     | 2,76                     | 8,26                     | 0,73   | 0,97   | 0,66   | 0,97            |
| 2352 | 14:47:07 | 0,39            | 0,09            | 0,28            | 3,21                     | 2,76                     | 8,26                     | 1,35   | 1,84   | 1,67   | 0,62            |
| 2353 | 14:47:12 | 0,19            | 0,09            | 0,31            | 3,21                     | 2,76                     | 8,26                     | 0,94   | 3,37   | 2,19   | 0,42            |
| 2354 | 14:47:17 | 0,18            | 0,12            | 0,30            | 3,21                     | 2,76                     | 8,26                     | 1,04   | 1,98   | 2,61   | 0,42            |
| 2355 | 14:47:22 | 0,08            | 0,13            | 0,31            | 3,21                     | 2,76                     | 8,26                     | 1,13   | 1,52   | 1,60   | 0,38            |
| 2356 | 14:47:27 | 0,07            | 0,11            | 0,30            | 3,21                     | 2,76                     | 8,26                     | 2,98   | 2,32   | 2,74   | 0,35            |
| 2357 | 14:47:32 | 0,10            | 0,15            | 0,33            | 3,21                     | 2,76                     | 8,26                     | 2,82   | 3,23   | 2,46   | 0,41            |
| 2358 | 14:47:37 | 0,13            | 0,18            | 0,37            | 3,21                     | 2,76                     | 8,26                     | 2,42   | 1,69   | 3,17   | 0,48            |
| 2359 | 14:47:42 | 0,10            | 0,18            | 0,33            | 3,21                     | 2,76                     | 8,26                     | 1,92   | 3,04   | 3,25   | 0,45            |
| 2360 | 14:47:47 | 0,07            | 0,24            | 0,25            | 3,21                     | 2,76                     | 8,26                     | 2,55   | 0,81   | 3,52   | 0,43            |
| 2361 | 14:47:52 | 0,08            | 0,11            | 0,27            | 3,21                     | 2,76                     | 8,27                     | 2,49   | 2,50   | 2,16   | 0,33            |
| 2362 | 14:47:57 | 0,08            | 0,11            | 0,25            | 3,21                     | 2,76                     | 8,27                     | 1,63   | 2,08   | 1,89   | 0,32            |
| 2363 | 14:48:02 | 0,10            | 0,12            | 0,24            | 3,21                     | 2,76                     | 8,27                     | 1,41   | 2,72   | 1,42   | 0,32            |
| 2364 | 14:48:07 | 0,22            | 0,25            | 0,30            | 3,21                     | 2,76                     | 8,27                     | 0,69   | 1,78   | 1,79   | 0,55            |
| 2365 | 14:48:12 | 0,14            | 0,15            | 0,31            | 3,21                     | 2,76                     | 8,27                     | 1,35   | 1,30   | 1,96   | 0,43            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2366 | 14:48:17 | 0,22            | 0,20            | 0,26            | 3,21                     | 2,76                     | 8,27                     | 1,42   | 2,91   | 1,91   | 0,49            |
| 2367 | 14:48:22 | 0,08            | 0,10            | 0,18            | 3,21                     | 2,76                     | 8,27                     | 2,08   | 2,06   | 2,50   | 0,25            |
| 2368 | 14:48:27 | 0,11            | 0,12            | 0,20            | 3,21                     | 2,76                     | 8,27                     | 2,10   | 1,55   | 4,25   | 0,30            |
| 2369 | 14:48:32 | 0,41            | 0,15            | 0,61            | 3,22                     | 2,76                     | 8,27                     | 0,89   | 1,71   | 1,26   | 0,86            |
| 2370 | 14:48:37 | 0,45            | 0,13            | 0,33            | 3,22                     | 2,76                     | 8,27                     | 1,63   | 1,83   | 2,28   | 0,73            |
| 2371 | 14:48:42 | 0,17            | 0,23            | 0,49            | 3,22                     | 2,76                     | 8,27                     | 2,83   | 3,01   | 2,24   | 0,64            |
| 2372 | 14:48:47 | 0,15            | 0,20            | 0,35            | 3,22                     | 2,76                     | 8,27                     | 1,62   | 1,79   | 1,71   | 0,50            |
| 2373 | 14:48:52 | 0,13            | 0,22            | 0,33            | 3,22                     | 2,76                     | 8,27                     | 1,73   | 1,04   | 1,86   | 0,49            |
| 2374 | 14:48:57 | 0,10            | 0,26            | 0,34            | 3,22                     | 2,76                     | 8,27                     | 2,58   | 1,72   | 3,47   | 0,52            |
| 2375 | 14:49:02 | 0,19            | 0,23            | 0,34            | 3,22                     | 2,76                     | 8,27                     | 1,72   | 1,86   | 2,44   | 0,54            |
| 2376 | 14:49:07 | 0,15            | 0,21            | 0,37            | 3,22                     | 2,76                     | 8,27                     | 1,52   | 1,24   | 2,93   | 0,51            |
| 2377 | 14:49:13 | 0,24            | 0,18            | 0,46            | 3,22                     | 2,76                     | 8,27                     | 1,52   | 1,02   | 2,38   | 0,62            |
| 2378 | 14:49:18 | 0,28            | 0,16            | 0,53            | 3,23                     | 2,76                     | 8,27                     | 3,21   | 1,50   | 2,64   | 0,70            |
| 2379 | 14:49:23 | 0,23            | 0,17            | 0,49            | 3,23                     | 2,76                     | 8,27                     | 1,99   | 1,48   | 1,71   | 0,63            |
| 2380 | 14:49:28 | 0,18            | 0,16            | 0,44            | 3,23                     | 2,76                     | 8,27                     | 2,42   | 1,41   | 2,32   | 0,55            |
| 2381 | 14:49:33 | 0,12            | 0,20            | 0,35            | 3,23                     | 2,76                     | 8,27                     | 2,24   | 2,14   | 2,33   | 0,48            |
| 2382 | 14:49:38 | 0,33            | 0,29            | 0,66            | 3,23                     | 2,76                     | 8,27                     | 0,84   | 1,10   | 1,13   | 0,91            |
| 2383 | 14:49:43 | 0,10            | 0,12            | 0,37            | 3,23                     | 2,76                     | 8,27                     | 1,99   | 1,83   | 2,15   | 0,43            |
| 2384 | 14:49:48 | 0,13            | 0,23            | 0,42            | 3,23                     | 2,76                     | 8,27                     | 1,96   | 2,43   | 2,39   | 0,56            |
| 2385 | 14:49:53 | 0,28            | 0,25            | 0,59            | 3,23                     | 2,76                     | 8,27                     | 1,16   | 2,60   | 2,11   | 0,79            |
| 2386 | 14:49:58 | 0,35            | 0,25            | 0,66            | 3,23                     | 2,76                     | 8,27                     | 1,51   | 2,12   | 1,78   | 0,89            |
| 2387 | 14:50:03 | 0,27            | 0,26            | 0,70            | 3,23                     | 2,77                     | 8,27                     | 2,40   | 1,85   | 1,97   | 0,88            |
| 2388 | 14:50:08 | 0,44            | 0,28            | 0,92            | 3,24                     | 2,77                     | 8,28                     | 1,54   | 1,26   | 1,31   | 1,17            |
| 2389 | 14:50:13 | 0,13            | 0,21            | 0,41            | 3,24                     | 2,77                     | 8,28                     | 2,85   | 3,57   | 2,52   | 0,53            |
| 2390 | 14:50:18 | 0,15            | 0,16            | 0,43            | 3,24                     | 2,77                     | 8,28                     | 2,38   | 2,45   | 2,35   | 0,53            |
| 2391 | 14:50:23 | 0,17            | 0,20            | 0,44            | 3,24                     | 2,77                     | 8,28                     | 1,19   | 1,84   | 2,36   | 0,58            |
| 2392 | 14:50:28 | 0,22            | 0,23            | 0,48            | 3,24                     | 2,77                     | 8,28                     | 1,83   | 2,10   | 2,54   | 0,66            |
| 2393 | 14:50:33 | 0,19            | 0,23            | 0,48            | 3,24                     | 2,77                     | 8,28                     | 2,26   | 2,29   | 2,17   | 0,64            |
| 2394 | 14:50:38 | 0,14            | 0,15            | 0,36            | 3,24                     | 2,77                     | 8,28                     | 3,86   | 3,33   | 3,27   | 0,46            |
| 2395 | 14:50:43 | 0,19            | 0,21            | 0,47            | 3,24                     | 2,77                     | 8,28                     | 1,49   | 1,83   | 2,93   | 0,61            |
| 2396 | 14:50:48 | 0,19            | 0,21            | 0,53            | 3,24                     | 2,77                     | 8,28                     | 1,87   | 1,08   | 2,01   | 0,66            |
| 2397 | 14:50:53 | 0,16            | 0,17            | 0,35            | 3,24                     | 2,77                     | 8,28                     | 2,14   | 2,50   | 2,31   | 0,48            |
| 2398 | 14:50:58 | 0,17            | 0,27            | 0,47            | 3,24                     | 2,77                     | 8,28                     | 2,35   | 4,00   | 2,43   | 0,65            |
| 2399 | 14:51:03 | 0,19            | 0,15            | 0,45            | 3,24                     | 2,77                     | 8,28                     | 2,03   | 1,89   | 1,65   | 0,57            |
| 2400 | 14:51:08 | 0,25            | 0,24            | 0,54            | 3,24                     | 2,77                     | 8,28                     | 1,32   | 1,69   | 2,15   | 0,73            |
| 2401 | 14:51:13 | 0,20            | 0,21            | 0,55            | 3,24                     | 2,77                     | 8,28                     | 1,51   | 1,58   | 2,47   | 0,68            |
| 2402 | 14:51:18 | 0,26            | 0,23            | 0,56            | 3,24                     | 2,77                     | 8,28                     | 1,66   | 3,26   | 2,02   | 0,74            |
| 2403 | 14:51:23 | 0,22            | 0,22            | 0,53            | 3,24                     | 2,77                     | 8,28                     | 1,90   | 1,00   | 1,40   | 0,68            |
| 2404 | 14:51:28 | 0,38            | 0,25            | 0,80            | 3,24                     | 2,77                     | 8,29                     | 1,57   | 0,98   | 1,81   | 1,03            |
| 2405 | 14:51:33 | 0,22            | 0,27            | 0,54            | 3,24                     | 2,77                     | 8,29                     | 1,15   | 0,90   | 1,50   | 0,72            |
| 2406 | 14:51:38 | 0,20            | 0,15            | 0,45            | 3,24                     | 2,77                     | 8,29                     | 3,17   | 1,93   | 3,19   | 0,57            |
| 2407 | 14:51:43 | 0,34            | 0,17            | 0,63            | 3,24                     | 2,77                     | 8,29                     | 1,49   | 1,75   | 1,92   | 0,82            |
| 2408 | 14:51:48 | 0,38            | 0,22            | 0,67            | 3,25                     | 2,77                     | 8,29                     | 1,62   | 1,39   | 1,86   | 0,91            |
| 2409 | 14:51:53 | 0,27            | 0,28            | 0,58            | 3,25                     | 2,78                     | 8,29                     | 3,21   | 2,49   | 3,33   | 0,79            |
| 2410 | 14:51:58 | 0,29            | 0,29            | 0,69            | 3,25                     | 2,78                     | 8,29                     | 1,76   | 1,42   | 1,36   | 0,90            |
| 2411 | 14:52:04 | 0,24            | 0,24            | 0,43            | 3,25                     | 2,78                     | 8,29                     | 1,03   | 1,27   | 1,65   | 0,64            |
| 2412 | 14:52:09 | 0,19            | 0,19            | 0,52            | 3,25                     | 2,78                     | 8,30                     | 1,87   | 2,29   | 2,26   | 0,64            |
| 2413 | 14:52:14 | 0,20            | 0,21            | 0,48            | 3,25                     | 2,78                     | 8,30                     | 2,27   | 2,94   | 2,65   | 0,63            |
| 2414 | 14:52:19 | 0,25            | 0,20            | 0,52            | 3,25                     | 2,78                     | 8,30                     | 1,97   | 1,90   | 2,44   | 0,69            |
| 2415 | 14:52:24 | 0,27            | 0,23            | 0,59            | 3,25                     | 2,78                     | 8,30                     | 2,33   | 1,79   | 2,07   | 0,78            |
| 2416 | 14:52:29 | 0,27            | 0,22            | 0,52            | 3,25                     | 2,78                     | 8,30                     | 1,96   | 2,17   | 2,56   | 0,71            |
| 2417 | 14:52:34 | 0,27            | 0,18            | 0,55            | 3,25                     | 2,78                     | 8,30                     | 2,12   | 2,13   | 3,03   | 0,71            |
| 2418 | 14:52:39 | 0,27            | 0,22            | 0,58            | 3,25                     | 2,78                     | 8,30                     | 0,82   | 1,45   | 1,38   | 0,77            |
| 2419 | 14:52:44 | 0,29            | 0,23            | 0,74            | 3,25                     | 2,78                     | 8,30                     | 2,10   | 3,62   | 2,18   | 0,91            |
| 2420 | 14:52:49 | 0,28            | 0,28            | 0,75            | 3,25                     | 2,78                     | 8,30                     | 1,45   | 2,53   | 1,97   | 0,93            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2421 | 14:52:54 | 0,27             | 0,28             | 0,72             | 3,25                      | 2,78                      | 8,30                      | 1,79   | 1,12   | 1,54   | 0,90             |
| 2422 | 14:52:59 | 0,17             | 0,25             | 0,47             | 3,25                      | 2,78                      | 8,30                      | 1,69   | 2,06   | 2,29   | 0,63             |
| 2423 | 14:53:04 | 0,19             | 0,19             | 0,54             | 3,25                      | 2,78                      | 8,31                      | 2,98   | 2,24   | 3,07   | 0,66             |
| 2424 | 14:53:09 | 0,16             | 0,16             | 0,43             | 3,25                      | 2,78                      | 8,31                      | 3,62   | 2,49   | 1,99   | 0,54             |
| 2425 | 14:53:14 | 0,15             | 0,24             | 0,42             | 3,25                      | 2,78                      | 8,31                      | 2,61   | 1,81   | 2,33   | 0,58             |
| 2426 | 14:53:19 | 0,22             | 0,16             | 0,51             | 3,25                      | 2,78                      | 8,31                      | 1,22   | 1,99   | 1,13   | 0,64             |
| 2427 | 14:53:24 | 0,20             | 0,18             | 0,46             | 3,25                      | 2,78                      | 8,31                      | 1,86   | 2,90   | 1,99   | 0,60             |
| 2428 | 14:53:29 | 0,14             | 0,23             | 0,42             | 3,25                      | 2,78                      | 8,31                      | 2,13   | 1,75   | 2,52   | 0,56             |
| 2429 | 14:53:34 | 0,18             | 0,21             | 0,42             | 3,25                      | 2,78                      | 8,31                      | 1,50   | 2,82   | 2,15   | 0,57             |
| 2430 | 14:53:39 | 0,15             | 0,16             | 0,41             | 3,25                      | 2,78                      | 8,31                      | 3,62   | 1,57   | 3,91   | 0,51             |
| 2431 | 14:53:44 | 0,18             | 0,14             | 0,45             | 3,25                      | 2,78                      | 8,31                      | 1,95   | 1,81   | 1,69   | 0,55             |
| 2432 | 14:53:49 | 0,16             | 0,19             | 0,40             | 3,25                      | 2,78                      | 8,31                      | 1,39   | 3,36   | 2,09   | 0,54             |
| 2433 | 14:53:54 | 0,38             | 0,31             | 0,65             | 3,25                      | 2,79                      | 8,31                      | 1,72   | 1,90   | 2,32   | 0,94             |
| 2434 | 14:53:59 | 0,59             | 0,35             | 1,21             | 3,26                      | 2,79                      | 8,31                      | 2,34   | 1,48   | 2,09   | 1,55             |
| 2435 | 14:54:04 | 0,39             | 0,23             | 0,61             | 3,27                      | 2,79                      | 8,32                      | 1,78   | 3,20   | 1,84   | 0,88             |
| 2436 | 14:54:09 | 0,19             | 0,13             | 0,39             | 3,27                      | 2,79                      | 8,32                      | 1,62   | 2,92   | 2,48   | 0,51             |
| 2437 | 14:54:14 | 0,27             | 0,23             | 0,56             | 3,27                      | 2,79                      | 8,32                      | 0,89   | 1,51   | 1,15   | 0,75             |
| 2438 | 14:54:19 | 0,22             | 0,18             | 0,44             | 3,27                      | 2,79                      | 8,32                      | 1,12   | 2,04   | 3,12   | 0,59             |
| 2439 | 14:54:24 | 0,15             | 0,14             | 0,36             | 3,27                      | 2,79                      | 8,32                      | 1,47   | 3,01   | 1,42   | 0,46             |
| 2440 | 14:54:29 | 0,16             | 0,17             | 0,41             | 3,27                      | 2,79                      | 8,32                      | 2,15   | 2,43   | 2,96   | 0,52             |
| 2441 | 14:54:34 | 0,25             | 0,13             | 0,57             | 3,27                      | 2,79                      | 8,32                      | 3,92   | 2,80   | 4,04   | 0,70             |
| 2442 | 14:54:39 | 0,25             | 0,18             | 0,51             | 3,27                      | 2,79                      | 8,32                      | 1,20   | 1,52   | 1,73   | 0,66             |
| 2443 | 14:54:44 | 0,20             | 0,16             | 0,47             | 3,27                      | 2,79                      | 8,32                      | 2,84   | 3,13   | 4,17   | 0,60             |
| 2444 | 14:54:49 | 0,22             | 0,20             | 0,50             | 3,27                      | 2,79                      | 8,32                      | 3,22   | 1,17   | 3,07   | 0,65             |
| 2445 | 14:54:54 | 0,31             | 0,17             | 0,45             | 3,27                      | 2,79                      | 8,32                      | 1,29   | 2,85   | 1,95   | 0,67             |
| 2446 | 14:54:59 | 0,24             | 0,19             | 0,49             | 3,28                      | 2,79                      | 8,32                      | 1,36   | 2,47   | 2,45   | 0,65             |
| 2447 | 14:55:04 | 0,21             | 0,25             | 0,47             | 3,28                      | 2,79                      | 8,32                      | 1,50   | 1,57   | 2,07   | 0,65             |
| 2448 | 14:55:09 | 0,16             | 0,21             | 0,37             | 3,28                      | 2,79                      | 8,32                      | 1,69   | 1,08   | 1,70   | 0,52             |
| 2449 | 14:55:14 | 0,14             | 0,22             | 0,34             | 3,28                      | 2,79                      | 8,32                      | 1,25   | 2,59   | 1,81   | 0,50             |
| 2450 | 14:55:19 | 0,16             | 0,17             | 0,33             | 3,28                      | 2,79                      | 8,32                      | 3,11   | 1,57   | 2,77   | 0,47             |
| 2451 | 14:55:24 | 0,14             | 0,15             | 0,35             | 3,28                      | 2,79                      | 8,32                      | 1,71   | 2,35   | 1,97   | 0,45             |
| 2452 | 14:55:29 | 0,27             | 0,18             | 0,52             | 3,28                      | 2,79                      | 8,33                      | 2,91   | 2,51   | 3,20   | 0,69             |
| 2453 | 14:55:34 | 0,22             | 0,20             | 0,40             | 3,28                      | 2,79                      | 8,33                      | 1,35   | 1,45   | 1,88   | 0,58             |
| 2454 | 14:55:39 | 0,17             | 0,18             | 0,38             | 3,28                      | 2,79                      | 8,33                      | 3,23   | 2,38   | 4,38   | 0,52             |
| 2455 | 14:55:44 | 0,22             | 0,18             | 0,48             | 3,28                      | 2,79                      | 8,33                      | 1,63   | 1,78   | 1,66   | 0,63             |
| 2456 | 14:55:49 | 0,17             | 0,24             | 0,33             | 3,28                      | 2,79                      | 8,33                      | 2,97   | 2,85   | 2,98   | 0,53             |
| 2457 | 14:55:54 | 0,17             | 0,20             | 0,35             | 3,28                      | 2,79                      | 8,33                      | 2,50   | 1,70   | 2,70   | 0,51             |
| 2458 | 14:55:59 | 0,15             | 0,21             | 0,33             | 3,28                      | 2,79                      | 8,33                      | 1,52   | 1,26   | 2,45   | 0,49             |
| 2459 | 14:56:04 | 0,15             | 0,19             | 0,34             | 3,28                      | 2,80                      | 8,33                      | 2,72   | 2,09   | 3,67   | 0,48             |
| 2460 | 14:56:09 | 0,19             | 0,18             | 0,37             | 3,28                      | 2,80                      | 8,33                      | 2,49   | 2,24   | 1,96   | 0,52             |
| 2461 | 14:56:14 | 0,12             | 0,15             | 0,32             | 3,28                      | 2,80                      | 8,33                      | 1,84   | 1,77   | 2,17   | 0,41             |
| 2462 | 14:56:19 | 0,15             | 0,15             | 0,32             | 3,28                      | 2,80                      | 8,33                      | 2,21   | 1,82   | 2,52   | 0,43             |
| 2463 | 14:56:24 | 0,14             | 0,17             | 0,32             | 3,28                      | 2,80                      | 8,33                      | 2,07   | 2,94   | 1,92   | 0,44             |
| 2464 | 14:56:29 | 0,14             | 0,20             | 0,36             | 3,28                      | 2,80                      | 8,33                      | 3,06   | 1,74   | 2,93   | 0,50             |
| 2465 | 14:56:34 | 0,16             | 0,20             | 0,30             | 3,28                      | 2,80                      | 8,33                      | 1,51   | 1,96   | 2,09   | 0,47             |
| 2466 | 14:56:39 | 0,22             | 0,18             | 0,48             | 3,28                      | 2,80                      | 8,33                      | 2,02   | 2,47   | 1,70   | 0,63             |
| 2467 | 14:56:44 | 0,19             | 0,19             | 0,34             | 3,28                      | 2,80                      | 8,33                      | 2,11   | 1,92   | 1,84   | 0,51             |
| 2468 | 14:56:49 | 0,12             | 0,13             | 0,34             | 3,28                      | 2,80                      | 8,33                      | 1,50   | 1,70   | 2,79   | 0,42             |
| 2469 | 14:56:54 | 0,19             | 0,17             | 0,47             | 3,28                      | 2,80                      | 8,33                      | 2,06   | 1,97   | 1,55   | 0,59             |
| 2470 | 14:56:59 | 0,12             | 0,16             | 0,32             | 3,28                      | 2,80                      | 8,33                      | 2,33   | 3,29   | 2,80   | 0,43             |
| 2471 | 14:57:04 | 0,18             | 0,22             | 0,44             | 3,28                      | 2,80                      | 8,33                      | 3,88   | 1,53   | 3,70   | 0,59             |
| 2472 | 14:57:09 | 0,27             | 0,22             | 0,51             | 3,28                      | 2,80                      | 8,33                      | 0,86   | 2,68   | 0,77   | 0,71             |
| 2473 | 14:57:14 | 0,13             | 0,25             | 0,40             | 3,28                      | 2,80                      | 8,33                      | 1,28   | 1,15   | 1,44   | 0,56             |
| 2474 | 14:57:19 | 0,17             | 0,15             | 0,48             | 3,28                      | 2,80                      | 8,33                      | 2,72   | 1,63   | 2,21   | 0,58             |
| 2475 | 14:57:24 | 0,15             | 0,14             | 0,44             | 3,28                      | 2,80                      | 8,33                      | 1,43   | 1,58   | 1,48   | 0,53             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2476 | 14:57:29 | 0,12            | 0,15            | 0,38            | 3,28                     | 2,80                     | 8,33                     | 2,00   | 3,21   | 3,19   | 0,46            |
| 2477 | 14:57:34 | 0,16            | 0,23            | 0,38            | 3,28                     | 2,80                     | 8,33                     | 2,16   | 2,88   | 3,67   | 0,54            |
| 2478 | 14:57:39 | 0,22            | 0,25            | 0,50            | 3,28                     | 2,80                     | 8,33                     | 2,31   | 1,68   | 1,79   | 0,68            |
| 2479 | 14:57:44 | 0,21            | 0,16            | 0,53            | 3,28                     | 2,80                     | 8,33                     | 2,36   | 1,70   | 3,40   | 0,64            |
| 2480 | 14:57:49 | 0,14            | 0,16            | 0,55            | 3,28                     | 2,80                     | 8,33                     | 2,88   | 3,27   | 3,14   | 0,63            |
| 2481 | 14:57:54 | 0,18            | 0,24            | 0,51            | 3,28                     | 2,80                     | 8,33                     | 1,24   | 1,60   | 2,56   | 0,65            |
| 2482 | 14:57:59 | 0,13            | 0,17            | 0,44            | 3,28                     | 2,80                     | 8,33                     | 2,63   | 2,11   | 2,01   | 0,54            |
| 2483 | 14:58:04 | 0,24            | 0,18            | 0,55            | 3,28                     | 2,80                     | 8,33                     | 1,10   | 2,30   | 1,98   | 0,70            |
| 2484 | 14:58:09 | 0,18            | 0,22            | 0,52            | 3,28                     | 2,80                     | 8,33                     | 3,47   | 2,64   | 3,18   | 0,66            |
| 2485 | 14:58:14 | 0,12            | 0,13            | 0,32            | 3,28                     | 2,80                     | 8,33                     | 2,13   | 1,96   | 3,33   | 0,40            |
| 2486 | 14:58:19 | 0,15            | 0,22            | 0,53            | 3,28                     | 2,80                     | 8,33                     | 2,12   | 1,69   | 1,30   | 0,65            |
| 2487 | 14:58:24 | 0,16            | 0,16            | 0,37            | 3,28                     | 2,80                     | 8,33                     | 2,52   | 1,60   | 2,89   | 0,49            |
| 2488 | 14:58:29 | 0,14            | 0,17            | 0,43            | 3,28                     | 2,80                     | 8,33                     | 2,35   | 1,47   | 1,73   | 0,53            |
| 2489 | 14:58:34 | 0,13            | 0,17            | 0,35            | 3,28                     | 2,80                     | 8,33                     | 1,71   | 1,96   | 2,88   | 0,46            |
| 2490 | 14:58:39 | 0,27            | 0,16            | 0,54            | 3,28                     | 2,80                     | 8,34                     | 2,18   | 1,58   | 2,30   | 0,70            |
| 2491 | 14:58:44 | 0,20            | 0,17            | 0,42            | 3,28                     | 2,80                     | 8,34                     | 0,90   | 2,72   | 2,27   | 0,56            |
| 2492 | 14:58:49 | 0,15            | 0,15            | 0,36            | 3,28                     | 2,80                     | 8,34                     | 1,45   | 1,77   | 2,60   | 0,47            |
| 2493 | 14:58:54 | 0,12            | 0,26            | 0,33            | 3,28                     | 2,80                     | 8,34                     | 2,22   | 1,19   | 2,64   | 0,52            |
| 2494 | 14:58:59 | 0,18            | 0,21            | 0,36            | 3,28                     | 2,80                     | 8,34                     | 2,03   | 2,46   | 2,54   | 0,52            |
| 2495 | 14:59:04 | 0,20            | 0,25            | 0,62            | 3,28                     | 2,80                     | 8,34                     | 1,23   | 2,17   | 2,66   | 0,76            |
| 2496 | 14:59:09 | 0,18            | 0,30            | 0,42            | 3,28                     | 2,80                     | 8,34                     | 1,30   | 1,63   | 1,79   | 0,64            |
| 2497 | 14:59:14 | 0,19            | 0,20            | 0,36            | 3,28                     | 2,80                     | 8,34                     | 1,48   | 2,26   | 2,23   | 0,53            |
| 2498 | 14:59:19 | 0,25            | 0,18            | 0,45            | 3,28                     | 2,80                     | 8,34                     | 2,13   | 2,49   | 2,22   | 0,63            |
| 2499 | 14:59:24 | 0,21            | 0,22            | 0,42            | 3,28                     | 2,80                     | 8,34                     | 2,57   | 2,23   | 2,02   | 0,60            |
| 2500 | 14:59:29 | 0,20            | 0,18            | 0,41            | 3,28                     | 2,80                     | 8,34                     | 1,25   | 2,52   | 1,84   | 0,55            |
| 2501 | 14:59:34 | 0,15            | 0,22            | 0,39            | 3,28                     | 2,80                     | 8,34                     | 1,50   | 2,07   | 1,87   | 0,54            |
| 2502 | 14:59:39 | 0,14            | 0,16            | 0,27            | 3,28                     | 2,80                     | 8,34                     | 1,89   | 1,42   | 1,37   | 0,40            |
| 2503 | 14:59:44 | 0,16            | 0,18            | 0,40            | 3,28                     | 2,80                     | 8,34                     | 3,12   | 2,45   | 2,48   | 0,52            |
| 2504 | 14:59:49 | 0,17            | 0,24            | 0,41            | 3,28                     | 2,81                     | 8,34                     | 2,46   | 1,97   | 2,67   | 0,59            |
| 2505 | 14:59:54 | 0,18            | 0,35            | 0,38            | 3,28                     | 2,81                     | 8,34                     | 1,81   | 1,29   | 1,91   | 0,67            |
| 2506 | 14:59:59 | 0,11            | 0,19            | 0,34            | 3,28                     | 2,81                     | 8,34                     | 1,74   | 1,45   | 2,50   | 0,46            |
| 2507 | 15:00:04 | 0,17            | 0,20            | 0,29            | 3,28                     | 2,81                     | 8,34                     | 1,13   | 3,06   | 2,48   | 0,47            |
| 2508 | 15:00:09 | 0,15            | 0,15            | 0,32            | 3,28                     | 2,81                     | 8,34                     | 2,72   | 3,03   | 2,22   | 0,43            |
| 2509 | 15:00:14 | 0,18            | 0,16            | 0,39            | 3,28                     | 2,81                     | 8,34                     | 2,32   | 1,65   | 2,78   | 0,52            |
| 2510 | 15:00:19 | 0,21            | 0,15            | 0,42            | 3,28                     | 2,81                     | 8,34                     | 1,80   | 2,57   | 1,91   | 0,56            |
| 2511 | 15:00:24 | 0,14            | 0,20            | 0,31            | 3,28                     | 2,81                     | 8,34                     | 3,13   | 4,53   | 2,89   | 0,46            |
| 2512 | 15:00:29 | 0,11            | 0,18            | 0,35            | 3,28                     | 2,81                     | 8,34                     | 1,59   | 1,26   | 1,35   | 0,46            |
| 2513 | 15:00:34 | 0,12            | 0,16            | 0,37            | 3,28                     | 2,81                     | 8,34                     | 2,85   | 1,66   | 3,56   | 0,46            |
| 2514 | 15:00:39 | 0,13            | 0,15            | 0,39            | 3,28                     | 2,81                     | 8,34                     | 1,34   | 1,44   | 1,13   | 0,48            |
| 2515 | 15:00:44 | 0,13            | 0,18            | 0,34            | 3,28                     | 2,81                     | 8,34                     | 3,62   | 3,03   | 2,75   | 0,46            |
| 2516 | 15:00:49 | 0,33            | 0,20            | 0,26            | 3,28                     | 2,81                     | 8,34                     | 0,84   | 2,17   | 2,73   | 0,60            |
| 2517 | 15:00:54 | 0,09            | 0,12            | 0,26            | 3,28                     | 2,81                     | 8,34                     | 2,32   | 1,58   | 2,17   | 0,33            |
| 2518 | 15:00:59 | 0,21            | 0,24            | 0,39            | 3,28                     | 2,81                     | 8,34                     | 1,35   | 1,29   | 2,76   | 0,59            |
| 2519 | 15:01:04 | 0,19            | 0,14            | 0,50            | 3,28                     | 2,81                     | 8,34                     | 1,47   | 3,53   | 1,80   | 0,60            |
| 2520 | 15:01:09 | 0,14            | 0,19            | 0,51            | 3,28                     | 2,81                     | 8,34                     | 1,50   | 1,07   | 1,90   | 0,61            |
| 2521 | 15:01:14 | 0,08            | 0,18            | 0,28            | 3,28                     | 2,81                     | 8,34                     | 2,08   | 2,16   | 2,42   | 0,40            |
| 2522 | 15:01:19 | 0,15            | 0,23            | 0,41            | 3,28                     | 2,81                     | 8,34                     | 2,68   | 2,22   | 3,46   | 0,56            |
| 2523 | 15:01:24 | 0,16            | 0,19            | 0,45            | 3,28                     | 2,81                     | 8,34                     | 1,39   | 2,72   | 2,74   | 0,57            |
| 2524 | 15:01:29 | 0,22            | 0,28            | 0,57            | 3,28                     | 2,81                     | 8,34                     | 1,62   | 1,57   | 2,41   | 0,75            |
| 2525 | 15:01:34 | 0,24            | 0,20            | 0,47            | 3,28                     | 2,81                     | 8,34                     | 1,70   | 2,87   | 3,19   | 0,64            |
| 2526 | 15:01:39 | 0,28            | 0,26            | 0,73            | 3,29                     | 2,82                     | 8,34                     | 1,57   | 2,13   | 2,10   | 0,91            |
| 2527 | 15:01:44 | 0,43            | 0,30            | 0,83            | 3,29                     | 2,82                     | 8,35                     | 3,36   | 1,85   | 3,93   | 1,10            |
| 2528 | 15:01:49 | 0,37            | 0,26            | 0,67            | 3,29                     | 2,82                     | 8,35                     | 1,52   | 1,27   | 1,65   | 0,92            |
| 2529 | 15:01:54 | 0,17            | 0,21            | 0,47            | 3,29                     | 2,82                     | 8,35                     | 1,98   | 2,82   | 1,91   | 0,61            |
| 2530 | 15:01:59 | 0,46            | 0,20            | 0,87            | 3,30                     | 2,82                     | 8,36                     | 2,40   | 1,71   | 2,15   | 1,12            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2531 | 15:02:04 | 0,37             | 0,28             | 0,75             | 3,30                      | 2,82                      | 8,36                      | 0,84   | 1,57   | 1,06   | 0,99             |
| 2532 | 15:02:09 | 0,13             | 0,22             | 0,46             | 3,30                      | 2,82                      | 8,36                      | 2,46   | 1,24   | 1,95   | 0,58             |
| 2533 | 15:02:14 | 0,21             | 0,36             | 0,53             | 3,30                      | 2,82                      | 8,36                      | 1,88   | 1,09   | 1,77   | 0,79             |
| 2534 | 15:02:19 | 0,37             | 0,24             | 0,85             | 3,30                      | 2,82                      | 8,36                      | 2,49   | 2,91   | 3,10   | 1,05             |
| 2535 | 15:02:24 | 0,32             | 0,25             | 0,75             | 3,30                      | 2,82                      | 8,36                      | 1,62   | 3,05   | 2,34   | 0,94             |
| 2536 | 15:02:29 | 0,20             | 0,28             | 0,56             | 3,30                      | 2,82                      | 8,37                      | 1,85   | 1,54   | 2,31   | 0,74             |
| 2537 | 15:02:34 | 0,26             | 0,28             | 0,59             | 3,30                      | 2,82                      | 8,37                      | 1,75   | 1,80   | 1,78   | 0,79             |
| 2538 | 15:02:39 | 0,27             | 0,21             | 0,69             | 3,31                      | 2,82                      | 8,37                      | 1,34   | 2,24   | 1,75   | 0,84             |
| 2539 | 15:02:44 | 0,17             | 0,24             | 0,57             | 3,31                      | 2,83                      | 8,37                      | 1,69   | 2,35   | 2,73   | 0,70             |
| 2540 | 15:02:49 | 0,25             | 0,24             | 0,69             | 3,31                      | 2,83                      | 8,37                      | 2,37   | 2,96   | 2,00   | 0,84             |
| 2541 | 15:02:54 | 0,17             | 0,19             | 0,48             | 3,31                      | 2,83                      | 8,37                      | 1,61   | 1,47   | 1,22   | 0,61             |
| 2542 | 15:02:59 | 0,14             | 0,14             | 0,37             | 3,31                      | 2,83                      | 8,37                      | 3,38   | 1,79   | 3,45   | 0,47             |
| 2543 | 15:03:04 | 0,16             | 0,20             | 0,42             | 3,31                      | 2,83                      | 8,37                      | 3,08   | 2,28   | 1,58   | 0,56             |
| 2544 | 15:03:09 | 0,18             | 0,31             | 0,50             | 3,31                      | 2,83                      | 8,37                      | 2,47   | 1,51   | 2,29   | 0,71             |
| 2545 | 15:03:14 | 0,20             | 0,20             | 0,49             | 3,31                      | 2,83                      | 8,37                      | 1,93   | 1,72   | 1,84   | 0,63             |
| 2546 | 15:03:19 | 0,26             | 0,17             | 0,40             | 3,31                      | 2,83                      | 8,37                      | 1,09   | 2,61   | 1,86   | 0,59             |
| 2547 | 15:03:24 | 0,22             | 0,19             | 0,48             | 3,31                      | 2,83                      | 8,37                      | 1,89   | 1,38   | 1,89   | 0,64             |
| 2548 | 15:03:29 | 0,13             | 0,19             | 0,40             | 3,31                      | 2,83                      | 8,37                      | 2,17   | 2,15   | 2,89   | 0,52             |
| 2549 | 15:03:34 | 0,16             | 0,25             | 0,34             | 3,31                      | 2,83                      | 8,37                      | 1,38   | 1,97   | 3,48   | 0,54             |
| 2550 | 15:03:39 | 0,13             | 0,15             | 0,38             | 3,31                      | 2,83                      | 8,37                      | 1,94   | 1,76   | 1,90   | 0,47             |
| 2551 | 15:03:44 | 0,25             | 0,20             | 0,57             | 3,31                      | 2,83                      | 8,37                      | 3,21   | 2,19   | 2,81   | 0,72             |
| 2552 | 15:03:49 | 0,21             | 0,18             | 0,51             | 3,31                      | 2,83                      | 8,37                      | 2,49   | 2,00   | 3,15   | 0,64             |
| 2553 | 15:03:54 | 0,26             | 0,30             | 0,71             | 3,31                      | 2,83                      | 8,38                      | 1,55   | 1,10   | 2,07   | 0,91             |
| 2554 | 15:03:59 | 0,23             | 0,24             | 0,58             | 3,31                      | 2,83                      | 8,38                      | 2,98   | 2,44   | 1,42   | 0,75             |
| 2555 | 15:04:04 | 0,21             | 0,22             | 0,64             | 3,31                      | 2,83                      | 8,38                      | 2,00   | 1,41   | 1,84   | 0,77             |
| 2556 | 15:04:09 | 0,20             | 0,19             | 0,52             | 3,31                      | 2,83                      | 8,38                      | 1,73   | 2,73   | 2,15   | 0,65             |
| 2557 | 15:04:14 | 0,17             | 0,19             | 0,51             | 3,31                      | 2,83                      | 8,38                      | 2,14   | 1,94   | 1,73   | 0,63             |
| 2558 | 15:04:19 | 0,20             | 0,18             | 0,52             | 3,31                      | 2,83                      | 8,38                      | 1,64   | 2,46   | 2,90   | 0,64             |
| 2559 | 15:04:24 | 0,22             | 0,26             | 0,60             | 3,31                      | 2,83                      | 8,38                      | 1,27   | 1,55   | 2,31   | 0,77             |
| 2560 | 15:04:29 | 0,20             | 0,22             | 0,62             | 3,31                      | 2,83                      | 8,38                      | 1,47   | 2,07   | 1,52   | 0,75             |
| 2561 | 15:04:34 | 0,16             | 0,29             | 0,59             | 3,31                      | 2,83                      | 8,38                      | 2,21   | 2,34   | 1,71   | 0,75             |
| 2562 | 15:04:39 | 0,22             | 0,17             | 0,47             | 3,31                      | 2,84                      | 8,38                      | 1,54   | 3,19   | 1,15   | 0,61             |
| 2563 | 15:04:44 | 0,21             | 0,21             | 0,51             | 3,31                      | 2,84                      | 8,38                      | 2,36   | 1,78   | 4,51   | 0,66             |
| 2564 | 15:04:49 | 0,15             | 0,17             | 0,29             | 3,31                      | 2,84                      | 8,38                      | 2,41   | 2,29   | 2,26   | 0,43             |
| 2565 | 15:04:54 | 0,15             | 0,30             | 0,48             | 3,31                      | 2,84                      | 8,38                      | 3,18   | 2,95   | 3,19   | 0,67             |
| 2566 | 15:04:59 | 0,31             | 0,27             | 0,71             | 3,31                      | 2,84                      | 8,38                      | 1,24   | 1,47   | 1,54   | 0,91             |
| 2567 | 15:05:04 | 0,24             | 0,21             | 0,68             | 3,31                      | 2,84                      | 8,39                      | 1,71   | 2,07   | 1,27   | 0,81             |
| 2568 | 15:05:09 | 0,27             | 0,24             | 0,64             | 3,31                      | 2,84                      | 8,39                      | 1,50   | 1,81   | 1,75   | 0,82             |
| 2569 | 15:05:14 | 0,28             | 0,14             | 0,76             | 3,31                      | 2,84                      | 8,39                      | 1,55   | 2,23   | 2,38   | 0,88             |
| 2570 | 15:05:19 | 0,22             | 0,24             | 0,79             | 3,31                      | 2,84                      | 8,39                      | 2,57   | 1,99   | 1,76   | 0,91             |
| 2571 | 15:05:24 | 0,19             | 0,18             | 0,51             | 3,31                      | 2,84                      | 8,39                      | 1,82   | 1,66   | 1,78   | 0,63             |
| 2572 | 15:05:29 | 0,41             | 0,20             | 0,89             | 3,32                      | 2,84                      | 8,40                      | 2,83   | 2,84   | 2,38   | 1,09             |
| 2573 | 15:05:34 | 0,32             | 0,26             | 0,73             | 3,32                      | 2,84                      | 8,40                      | 2,28   | 1,99   | 1,73   | 0,93             |
| 2574 | 15:05:39 | 0,23             | 0,21             | 0,55             | 3,32                      | 2,84                      | 8,40                      | 2,34   | 2,50   | 1,60   | 0,70             |
| 2575 | 15:05:44 | 0,19             | 0,23             | 0,43             | 3,32                      | 2,84                      | 8,40                      | 2,24   | 0,93   | 2,21   | 0,59             |
| 2576 | 15:05:49 | 0,24             | 0,18             | 0,60             | 3,32                      | 2,84                      | 8,40                      | 1,67   | 2,08   | 1,37   | 0,74             |
| 2577 | 15:05:54 | 0,19             | 0,22             | 0,47             | 3,32                      | 2,84                      | 8,40                      | 2,47   | 0,99   | 2,58   | 0,62             |
| 2578 | 15:05:59 | 0,19             | 0,19             | 0,50             | 3,32                      | 2,84                      | 8,40                      | 2,87   | 2,46   | 3,09   | 0,63             |
| 2579 | 15:06:04 | 0,20             | 0,27             | 0,43             | 3,32                      | 2,84                      | 8,40                      | 1,05   | 1,66   | 1,56   | 0,65             |
| 2580 | 15:06:09 | 0,17             | 0,18             | 0,38             | 3,32                      | 2,84                      | 8,40                      | 1,47   | 2,50   | 2,35   | 0,52             |
| 2581 | 15:06:14 | 0,19             | 0,20             | 0,46             | 3,32                      | 2,84                      | 8,40                      | 2,87   | 1,36   | 2,42   | 0,60             |
| 2582 | 15:06:19 | 0,20             | 0,23             | 0,55             | 3,32                      | 2,84                      | 8,40                      | 1,65   | 1,69   | 1,22   | 0,69             |
| 2583 | 15:06:24 | 0,23             | 0,20             | 0,57             | 3,32                      | 2,84                      | 8,40                      | 1,76   | 2,03   | 2,30   | 0,72             |
| 2584 | 15:06:29 | 0,26             | 0,22             | 0,53             | 3,32                      | 2,84                      | 8,40                      | 0,78   | 0,92   | 1,32   | 0,71             |
| 2585 | 15:06:34 | 0,19             | 0,29             | 0,46             | 3,32                      | 2,85                      | 8,40                      | 1,87   | 1,84   | 1,43   | 0,67             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2586 | 15:06:39 | 0,15             | 0,21             | 0,31             | 3,32                      | 2,85                      | 8,40                      | 1,44   | 1,23   | 2,07   | 0,48             |
| 2587 | 15:06:44 | 0,19             | 0,18             | 0,48             | 3,32                      | 2,85                      | 8,40                      | 3,21   | 3,36   | 2,92   | 0,61             |
| 2588 | 15:06:49 | 0,29             | 0,23             | 0,50             | 3,32                      | 2,85                      | 8,40                      | 2,91   | 3,11   | 3,10   | 0,72             |
| 2589 | 15:06:54 | 0,20             | 0,23             | 0,45             | 3,32                      | 2,85                      | 8,40                      | 0,77   | 1,38   | 1,56   | 0,62             |
| 2590 | 15:06:59 | 0,16             | 0,18             | 0,43             | 3,32                      | 2,85                      | 8,40                      | 1,36   | 1,97   | 2,80   | 0,55             |
| 2591 | 15:07:04 | 0,11             | 0,17             | 0,31             | 3,32                      | 2,85                      | 8,40                      | 3,27   | 2,05   | 3,04   | 0,42             |
| 2592 | 15:07:09 | 0,13             | 0,18             | 0,34             | 3,32                      | 2,85                      | 8,40                      | 2,24   | 2,27   | 2,53   | 0,46             |
| 2593 | 15:07:14 | 0,11             | 0,14             | 0,28             | 3,32                      | 2,85                      | 8,40                      | 1,17   | 1,88   | 2,88   | 0,37             |
| 2594 | 15:07:19 | 0,13             | 0,12             | 0,36             | 3,32                      | 2,85                      | 8,40                      | 1,59   | 2,88   | 1,58   | 0,44             |
| 2595 | 15:07:24 | 0,15             | 0,20             | 0,40             | 3,32                      | 2,85                      | 8,40                      | 2,02   | 1,61   | 2,73   | 0,53             |
| 2596 | 15:07:29 | 0,18             | 0,15             | 0,38             | 3,32                      | 2,85                      | 8,40                      | 1,89   | 1,50   | 1,96   | 0,50             |
| 2597 | 15:07:34 | 0,17             | 0,20             | 0,43             | 3,32                      | 2,85                      | 8,41                      | 2,82   | 1,54   | 2,14   | 0,57             |
| 2598 | 15:07:39 | 0,21             | 0,16             | 0,53             | 3,32                      | 2,85                      | 8,41                      | 3,27   | 1,96   | 1,93   | 0,65             |
| 2599 | 15:07:44 | 0,24             | 0,35             | 0,50             | 3,32                      | 2,85                      | 8,41                      | 1,79   | 1,84   | 2,35   | 0,77             |
| 2600 | 15:07:49 | 0,31             | 0,19             | 0,59             | 3,32                      | 2,85                      | 8,41                      | 1,02   | 1,10   | 1,07   | 0,78             |
| 2601 | 15:07:54 | 0,22             | 0,19             | 0,47             | 3,32                      | 2,85                      | 8,41                      | 3,14   | 1,58   | 2,51   | 0,63             |
| 2602 | 15:07:59 | 0,18             | 0,29             | 0,40             | 3,32                      | 2,85                      | 8,41                      | 1,43   | 0,68   | 1,23   | 0,63             |
| 2603 | 15:08:04 | 0,14             | 0,18             | 0,33             | 3,32                      | 2,85                      | 8,41                      | 1,54   | 2,98   | 1,73   | 0,45             |
| 2604 | 15:08:09 | 0,15             | 0,15             | 0,41             | 3,32                      | 2,85                      | 8,41                      | 1,89   | 3,05   | 1,32   | 0,50             |
| 2605 | 15:08:14 | 0,11             | 0,15             | 0,31             | 3,32                      | 2,85                      | 8,41                      | 1,55   | 1,86   | 1,69   | 0,41             |
| 2606 | 15:08:19 | 0,12             | 0,14             | 0,34             | 3,32                      | 2,85                      | 8,41                      | 2,26   | 1,38   | 3,03   | 0,43             |
| 2607 | 15:08:24 | 0,14             | 0,16             | 0,38             | 3,32                      | 2,85                      | 8,41                      | 2,31   | 1,97   | 2,38   | 0,48             |
| 2608 | 15:08:29 | 0,10             | 0,15             | 0,31             | 3,32                      | 2,85                      | 8,41                      | 3,41   | 1,86   | 2,52   | 0,40             |
| 2609 | 15:08:34 | 0,10             | 0,15             | 0,35             | 3,32                      | 2,85                      | 8,41                      | 3,07   | 1,65   | 2,70   | 0,43             |
| 2610 | 15:08:39 | 0,13             | 0,16             | 0,37             | 3,32                      | 2,85                      | 8,41                      | 1,77   | 4,12   | 3,02   | 0,47             |
| 2611 | 15:08:44 | 0,16             | 0,19             | 0,37             | 3,32                      | 2,85                      | 8,41                      | 1,16   | 1,08   | 2,80   | 0,50             |
| 2612 | 15:08:49 | 0,14             | 0,17             | 0,43             | 3,32                      | 2,85                      | 8,41                      | 3,33   | 1,83   | 2,29   | 0,53             |
| 2613 | 15:08:54 | 0,12             | 0,15             | 0,39             | 3,32                      | 2,85                      | 8,41                      | 1,92   | 3,85   | 2,51   | 0,48             |
| 2614 | 15:08:59 | 0,10             | 0,26             | 0,36             | 3,32                      | 2,85                      | 8,41                      | 1,92   | 2,26   | 1,87   | 0,53             |
| 2615 | 15:09:04 | 0,11             | 0,13             | 0,29             | 3,32                      | 2,85                      | 8,41                      | 2,13   | 2,17   | 2,06   | 0,37             |
| 2616 | 15:09:09 | 0,17             | 0,13             | 0,39             | 3,32                      | 2,85                      | 8,41                      | 1,43   | 2,38   | 1,61   | 0,49             |
| 2617 | 15:09:14 | 0,18             | 0,13             | 0,43             | 3,32                      | 2,85                      | 8,41                      | 2,30   | 2,79   | 1,83   | 0,52             |
| 2618 | 15:09:19 | 0,15             | 0,20             | 0,36             | 3,32                      | 2,85                      | 8,41                      | 1,67   | 1,53   | 2,70   | 0,50             |
| 2619 | 15:09:24 | 0,17             | 0,18             | 0,41             | 3,32                      | 2,85                      | 8,41                      | 0,98   | 2,53   | 2,19   | 0,54             |
| 2620 | 15:09:29 | 0,17             | 0,12             | 0,40             | 3,32                      | 2,85                      | 8,41                      | 3,29   | 3,24   | 3,15   | 0,50             |
| 2621 | 15:09:34 | 0,15             | 0,14             | 0,33             | 3,32                      | 2,85                      | 8,41                      | 1,06   | 2,80   | 1,32   | 0,44             |
| 2622 | 15:09:39 | 0,13             | 0,15             | 0,34             | 3,32                      | 2,85                      | 8,41                      | 1,96   | 1,60   | 1,62   | 0,44             |
| 2623 | 15:09:44 | 0,14             | 0,14             | 0,42             | 3,32                      | 2,85                      | 8,41                      | 2,10   | 1,71   | 3,20   | 0,50             |
| 2624 | 15:09:49 | 0,12             | 0,16             | 0,31             | 3,32                      | 2,85                      | 8,41                      | 2,60   | 3,02   | 2,13   | 0,42             |
| 2625 | 15:09:54 | 0,13             | 0,13             | 0,27             | 3,32                      | 2,85                      | 8,41                      | 2,04   | 1,61   | 2,54   | 0,37             |
| 2626 | 15:09:59 | 0,10             | 0,15             | 0,31             | 3,32                      | 2,85                      | 8,41                      | 3,37   | 2,70   | 2,33   | 0,40             |
| 2627 | 15:10:04 | 0,15             | 0,14             | 0,35             | 3,32                      | 2,85                      | 8,41                      | 2,37   | 0,91   | 2,11   | 0,46             |
| 2628 | 15:10:09 | 0,10             | 0,14             | 0,30             | 3,32                      | 2,85                      | 8,41                      | 1,99   | 1,70   | 2,84   | 0,39             |
| 2629 | 15:10:14 | 0,10             | 0,11             | 0,32             | 3,32                      | 2,85                      | 8,41                      | 3,09   | 2,19   | 2,78   | 0,38             |
| 2630 | 15:10:19 | 0,16             | 0,14             | 0,43             | 3,32                      | 2,85                      | 8,41                      | 1,90   | 2,16   | 3,07   | 0,52             |
| 2631 | 15:10:25 | 0,11             | 0,19             | 0,30             | 3,32                      | 2,85                      | 8,41                      | 0,88   | 2,21   | 2,43   | 0,43             |
| 2632 | 15:10:30 | 0,14             | 0,17             | 0,30             | 3,32                      | 2,86                      | 8,41                      | 1,27   | 1,21   | 2,15   | 0,43             |
| 2633 | 15:10:35 | 0,10             | 0,12             | 0,25             | 3,32                      | 2,86                      | 8,41                      | 1,06   | 1,93   | 2,34   | 0,33             |
| 2634 | 15:10:40 | 0,09             | 0,18             | 0,26             | 3,32                      | 2,86                      | 8,41                      | 1,75   | 1,59   | 1,75   | 0,38             |
| 2635 | 15:10:45 | 0,08             | 0,12             | 0,25             | 3,32                      | 2,86                      | 8,41                      | 3,17   | 1,41   | 2,37   | 0,31             |
| 2636 | 15:10:50 | 0,10             | 0,12             | 0,29             | 3,32                      | 2,86                      | 8,41                      | 2,02   | 1,30   | 2,44   | 0,36             |
| 2637 | 15:10:55 | 0,10             | 0,20             | 0,33             | 3,32                      | 2,86                      | 8,41                      | 2,34   | 2,54   | 2,65   | 0,46             |
| 2638 | 15:11:00 | 0,13             | 0,27             | 0,32             | 3,32                      | 2,86                      | 8,41                      | 2,32   | 0,93   | 2,02   | 0,52             |
| 2639 | 15:11:05 | 0,13             | 0,20             | 0,24             | 3,32                      | 2,86                      | 8,41                      | 1,51   | 0,83   | 1,63   | 0,41             |
| 2640 | 15:11:10 | 0,11             | 0,27             | 0,44             | 3,32                      | 2,86                      | 8,41                      | 2,02   | 1,55   | 2,00   | 0,60             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{wz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2641 | 15:11:15 | 0,15            | 0,27            | 0,33            | 3,32                     | 2,86                     | 8,41                     | 1,86   | 1,52   | 3,35   | 0,54            |
| 2642 | 15:11:20 | 0,14            | 0,19            | 0,47            | 3,32                     | 2,86                     | 8,41                     | 2,87   | 2,17   | 2,58   | 0,57            |
| 2643 | 15:11:25 | 0,30            | 0,22            | 0,70            | 3,33                     | 2,86                     | 8,41                     | 0,97   | 2,19   | 2,18   | 0,87            |
| 2644 | 15:11:30 | 0,13            | 0,21            | 0,29            | 3,33                     | 2,86                     | 8,41                     | 1,39   | 1,37   | 2,08   | 0,45            |
| 2645 | 15:11:35 | 0,09            | 0,19            | 0,37            | 3,33                     | 2,86                     | 8,41                     | 3,08   | 2,24   | 1,97   | 0,47            |
| 2646 | 15:11:40 | 0,14            | 0,25            | 0,41            | 3,33                     | 2,86                     | 8,41                     | 2,05   | 2,79   | 1,99   | 0,57            |
| 2647 | 15:11:45 | 0,11            | 0,18            | 0,36            | 3,33                     | 2,86                     | 8,41                     | 3,08   | 1,51   | 2,92   | 0,47            |
| 2648 | 15:11:50 | 0,11            | 0,26            | 0,34            | 3,33                     | 2,86                     | 8,41                     | 2,11   | 0,77   | 1,84   | 0,52            |
| 2649 | 15:11:55 | 0,12            | 0,14            | 0,28            | 3,33                     | 2,86                     | 8,41                     | 1,13   | 0,88   | 1,91   | 0,38            |
| 2650 | 15:12:00 | 0,06            | 0,12            | 0,29            | 3,33                     | 2,86                     | 8,41                     | 2,92   | 2,64   | 1,92   | 0,34            |
| 2651 | 15:12:05 | 0,07            | 0,16            | 0,24            | 3,33                     | 2,86                     | 8,41                     | 1,54   | 3,19   | 2,32   | 0,35            |
| 2652 | 15:12:10 | 0,09            | 0,11            | 0,18            | 3,33                     | 2,86                     | 8,41                     | 2,65   | 1,50   | 2,41   | 0,27            |
| 2653 | 15:12:15 | 0,07            | 0,09            | 0,30            | 3,33                     | 2,86                     | 8,41                     | 3,41   | 2,54   | 2,65   | 0,34            |
| 2654 | 15:12:20 | 0,12            | 0,16            | 0,32            | 3,33                     | 2,86                     | 8,41                     | 0,91   | 1,13   | 1,37   | 0,43            |
| 2655 | 15:12:25 | 0,16            | 0,13            | 0,22            | 3,33                     | 2,86                     | 8,41                     | 1,93   | 2,46   | 1,64   | 0,36            |
| 2656 | 15:12:30 | 0,11            | 0,12            | 0,26            | 3,33                     | 2,86                     | 8,41                     | 2,11   | 2,17   | 4,59   | 0,35            |
| 2657 | 15:12:35 | 0,11            | 0,14            | 0,38            | 3,33                     | 2,86                     | 8,41                     | 2,14   | 1,89   | 2,21   | 0,45            |
| 2658 | 15:12:40 | 0,08            | 0,14            | 0,29            | 3,33                     | 2,86                     | 8,41                     | 1,53   | 2,26   | 1,47   | 0,37            |
| 2659 | 15:12:45 | 0,10            | 0,13            | 0,40            | 3,33                     | 2,86                     | 8,41                     | 1,26   | 1,08   | 1,08   | 0,46            |
| 2660 | 15:12:50 | 0,11            | 0,15            | 0,37            | 3,33                     | 2,86                     | 8,41                     | 2,74   | 3,13   | 2,96   | 0,45            |
| 2661 | 15:12:55 | 0,16            | 0,17            | 0,47            | 3,33                     | 2,86                     | 8,41                     | 2,12   | 2,24   | 2,38   | 0,57            |
| 2662 | 15:13:00 | 0,14            | 0,18            | 0,42            | 3,33                     | 2,86                     | 8,41                     | 1,24   | 1,94   | 2,05   | 0,52            |
| 2663 | 15:13:05 | 0,09            | 0,15            | 0,27            | 3,33                     | 2,86                     | 8,41                     | 2,24   | 1,86   | 2,31   | 0,37            |
| 2664 | 15:13:10 | 0,10            | 0,22            | 0,51            | 3,33                     | 2,86                     | 8,41                     | 1,34   | 1,81   | 0,81   | 0,61            |
| 2665 | 15:13:15 | 0,07            | 0,13            | 0,20            | 3,33                     | 2,86                     | 8,41                     | 1,61   | 2,03   | 2,19   | 0,29            |
| 2666 | 15:13:20 | 0,10            | 0,16            | 0,30            | 3,33                     | 2,86                     | 8,41                     | 1,56   | 1,32   | 1,47   | 0,40            |
| 2667 | 15:13:25 | 0,08            | 0,07            | 0,18            | 3,33                     | 2,86                     | 8,41                     | 3,18   | 2,12   | 2,75   | 0,24            |
| 2668 | 15:13:30 | 0,11            | 0,13            | 0,28            | 3,33                     | 2,86                     | 8,41                     | 1,63   | 2,68   | 2,17   | 0,36            |
| 2669 | 15:13:35 | 0,08            | 0,10            | 0,30            | 3,33                     | 2,86                     | 8,42                     | 2,71   | 2,48   | 2,10   | 0,35            |
| 2670 | 15:13:40 | 0,11            | 0,14            | 0,25            | 3,33                     | 2,86                     | 8,42                     | 0,86   | 0,62   | 1,36   | 0,35            |
| 2671 | 15:13:45 | 0,09            | 0,12            | 0,25            | 3,33                     | 2,86                     | 8,42                     | 1,67   | 1,07   | 1,50   | 0,32            |
| 2672 | 15:13:50 | 0,07            | 0,10            | 0,21            | 3,33                     | 2,86                     | 8,42                     | 1,89   | 1,64   | 1,75   | 0,27            |
| 2673 | 15:13:55 | 0,08            | 0,13            | 0,26            | 3,33                     | 2,86                     | 8,42                     | 3,52   | 3,68   | 3,43   | 0,34            |
| 2674 | 15:14:00 | 0,14            | 0,13            | 0,20            | 3,33                     | 2,86                     | 8,42                     | 2,76   | 2,21   | 2,06   | 0,33            |
| 2675 | 15:14:05 | 0,34            | 0,13            | 0,20            | 3,33                     | 2,86                     | 8,42                     | 0,99   | 1,64   | 1,24   | 0,55            |
| 2676 | 15:14:10 | 0,28            | 0,18            | 0,40            | 3,33                     | 2,86                     | 8,42                     | 1,95   | 0,90   | 0,82   | 0,61            |
| 2677 | 15:14:15 | 0,23            | 0,19            | 0,46            | 3,33                     | 2,86                     | 8,42                     | 1,96   | 1,80   | 4,23   | 0,62            |
| 2678 | 15:14:20 | 0,47            | 0,16            | 0,52            | 3,33                     | 2,86                     | 8,42                     | 1,74   | 1,13   | 0,77   | 0,87            |
| 2679 | 15:14:25 | 0,14            | 0,07            | 0,23            | 3,33                     | 2,86                     | 8,42                     | 1,12   | 2,60   | 1,82   | 0,31            |
| 2680 | 15:14:30 | 0,08            | 0,12            | 0,22            | 3,33                     | 2,86                     | 8,42                     | 2,11   | 2,24   | 2,43   | 0,30            |
| 2681 | 15:14:35 | 0,07            | 0,09            | 0,22            | 3,33                     | 2,86                     | 8,42                     | 3,34   | 4,59   | 5,36   | 0,28            |
| 2682 | 15:14:40 | 0,13            | 0,24            | 0,54            | 3,33                     | 2,86                     | 8,42                     | 2,30   | 1,89   | 1,73   | 0,66            |
| 2683 | 15:14:45 | 0,23            | 0,14            | 0,30            | 3,33                     | 2,86                     | 8,42                     | 0,92   | 1,31   | 2,22   | 0,48            |
| 2684 | 15:14:50 | 0,09            | 0,09            | 0,21            | 3,33                     | 2,86                     | 8,42                     | 3,04   | 2,00   | 3,39   | 0,27            |
| 2685 | 15:14:55 | 0,09            | 0,15            | 0,31            | 3,33                     | 2,86                     | 8,42                     | 1,78   | 2,20   | 1,79   | 0,40            |
| 2686 | 15:15:00 | 0,09            | 0,13            | 0,31            | 3,33                     | 2,86                     | 8,42                     | 2,09   | 1,43   | 1,79   | 0,38            |
| 2687 | 15:15:05 | 0,07            | 0,10            | 0,19            | 3,33                     | 2,86                     | 8,42                     | 3,28   | 3,41   | 3,13   | 0,26            |
| 2688 | 15:15:10 | 0,31            | 0,12            | 0,16            | 3,33                     | 2,86                     | 8,42                     | 1,73   | 0,80   | 1,42   | 0,49            |
| 2689 | 15:15:15 | 0,42            | 0,15            | 0,61            | 3,34                     | 2,86                     | 8,42                     | 1,17   | 1,43   | 0,91   | 0,87            |
| 2690 | 15:15:20 | 0,29            | 0,12            | 0,27            | 3,34                     | 2,86                     | 8,42                     | 0,56   | 1,42   | 2,51   | 0,51            |
| 2691 | 15:15:25 | 0,22            | 0,17            | 0,20            | 3,34                     | 2,86                     | 8,42                     | 1,09   | 1,08   | 2,46   | 0,44            |
| 2692 | 15:15:30 | 0,09            | 0,15            | 0,31            | 3,34                     | 2,86                     | 8,42                     | 2,57   | 2,40   | 2,48   | 0,40            |
| 2693 | 15:15:35 | 0,06            | 0,16            | 0,21            | 3,34                     | 2,86                     | 8,42                     | 2,34   | 1,10   | 1,91   | 0,31            |
| 2694 | 15:15:40 | 0,15            | 0,05            | 0,12            | 3,34                     | 2,86                     | 8,42                     | 2,73   | 3,06   | 1,91   | 0,25            |
| 2695 | 15:15:45 | 0,21            | 0,03            | 0,05            | 3,34                     | 2,86                     | 8,42                     | 0,18   | 0,94   | 1,72   | 0,30            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2696 | 15:15:50 | 0,01            | 0,01            | 0,02            | 3,34                     | 2,86                     | 8,42                     | 2,74   | 1,70   | 1,95   | 0,02            |
| 2697 | 15:15:55 | 0,01            | 0,01            | 0,04            | 3,34                     | 2,86                     | 8,42                     | 3,66   | 2,39   | 4,58   | 0,04            |
| 2698 | 15:16:00 | 0,25            | 0,05            | 0,09            | 3,34                     | 2,86                     | 8,42                     | 2,28   | 1,72   | 2,71   | 0,37            |
| 2699 | 15:16:05 | 0,40            | 0,09            | 0,21            | 3,34                     | 2,86                     | 8,42                     | 0,87   | 2,21   | 2,42   | 0,61            |
| 2700 | 15:16:10 | 0,23            | 0,18            | 0,25            | 3,34                     | 2,86                     | 8,42                     | 0,82   | 1,26   | 2,88   | 0,48            |
| 2701 | 15:16:15 | 0,12            | 0,22            | 0,25            | 3,34                     | 2,86                     | 8,42                     | 1,43   | 1,84   | 1,67   | 0,43            |
| 2702 | 15:16:20 | 0,06            | 0,10            | 0,22            | 3,34                     | 2,86                     | 8,42                     | 1,82   | 1,31   | 2,79   | 0,27            |
| 2703 | 15:16:25 | 0,09            | 0,11            | 0,27            | 3,34                     | 2,86                     | 8,42                     | 1,78   | 2,21   | 1,98   | 0,34            |
| 2704 | 15:16:30 | 0,06            | 0,10            | 0,16            | 3,34                     | 2,86                     | 8,42                     | 2,71   | 1,49   | 2,41   | 0,23            |
| 2705 | 15:16:35 | 0,10            | 0,10            | 0,20            | 3,34                     | 2,86                     | 8,42                     | 2,55   | 1,67   | 2,24   | 0,28            |
| 2706 | 15:16:40 | 0,12            | 0,14            | 0,46            | 3,34                     | 2,86                     | 8,42                     | 3,45   | 2,08   | 3,04   | 0,53            |
| 2707 | 15:16:45 | 0,36            | 0,23            | 0,69            | 3,34                     | 2,87                     | 8,42                     | 0,46   | 1,77   | 0,80   | 0,92            |
| 2708 | 15:16:50 | 0,17            | 0,10            | 0,13            | 3,34                     | 2,87                     | 8,42                     | 0,64   | 1,86   | 2,12   | 0,30            |
| 2709 | 15:16:55 | 0,09            | 0,14            | 0,25            | 3,34                     | 2,87                     | 8,42                     | 1,91   | 2,05   | 2,69   | 0,34            |
| 2710 | 15:17:00 | 0,11            | 0,13            | 0,35            | 3,34                     | 2,87                     | 8,42                     | 1,38   | 2,32   | 1,84   | 0,43            |
| 2711 | 15:17:05 | 0,07            | 0,14            | 0,23            | 3,34                     | 2,87                     | 8,42                     | 1,67   | 1,33   | 2,16   | 0,32            |
| 2712 | 15:17:10 | 0,27            | 0,15            | 0,44            | 3,34                     | 2,87                     | 8,42                     | 1,65   | 2,34   | 1,58   | 0,62            |
| 2713 | 15:17:15 | 0,38            | 0,17            | 0,10            | 3,35                     | 2,87                     | 8,42                     | 0,77   | 0,31   | 0,68   | 0,59            |
| 2714 | 15:17:20 | 0,30            | 0,25            | 0,24            | 3,35                     | 2,87                     | 8,42                     | 1,06   | 2,00   | 3,53   | 0,59            |
| 2715 | 15:17:25 | 0,15            | 0,36            | 0,37            | 3,35                     | 2,87                     | 8,42                     | 2,54   | 1,48   | 3,13   | 0,66            |
| 2716 | 15:17:30 | 0,26            | 0,17            | 0,26            | 3,35                     | 2,87                     | 8,42                     | 1,08   | 0,27   | 0,36   | 0,50            |
| 2717 | 15:17:35 | 0,07            | 0,01            | 0,03            | 3,35                     | 2,87                     | 8,42                     | 0,13   | 2,09   | 3,43   | 0,11            |
| 2718 | 15:17:40 | 0,01            | 0,03            | 0,04            | 3,35                     | 2,87                     | 8,42                     | 1,35   | 0,80   | 2,11   | 0,06            |
| 2719 | 15:17:45 | 0,01            | 0,01            | 0,02            | 3,35                     | 2,87                     | 8,42                     | 1,78   | 1,74   | 3,90   | 0,03            |
| 2720 | 15:17:50 | 0,01            | 0,01            | 0,02            | 3,35                     | 2,87                     | 8,42                     | 2,04   | 2,55   | 3,12   | 0,03            |
| 2721 | 15:17:55 | 0,01            | 0,01            | 0,03            | 3,35                     | 2,87                     | 8,42                     | 3,03   | 2,54   | 3,51   | 0,03            |
| 2722 | 15:18:00 | 0,54            | 0,11            | 0,26            | 3,35                     | 2,87                     | 8,42                     | 1,31   | 3,41   | 2,71   | 0,81            |
| 2723 | 15:18:05 | 0,26            | 0,33            | 0,35            | 3,35                     | 2,87                     | 8,42                     | 0,71   | 1,64   | 1,74   | 0,68            |
| 2724 | 15:18:10 | 0,27            | 0,38            | 0,57            | 3,35                     | 2,87                     | 8,42                     | 2,76   | 1,85   | 1,67   | 0,86            |
| 2725 | 15:18:15 | 0,22            | 0,24            | 0,30            | 3,36                     | 2,88                     | 8,42                     | 0,68   | 1,26   | 1,48   | 0,55            |
| 2726 | 15:18:20 | 0,16            | 0,21            | 0,41            | 3,36                     | 2,88                     | 8,42                     | 1,76   | 1,60   | 2,27   | 0,55            |
| 2727 | 15:18:25 | 0,18            | 0,30            | 0,51            | 3,36                     | 2,88                     | 8,43                     | 2,92   | 2,64   | 2,54   | 0,71            |
| 2728 | 15:18:30 | 0,13            | 0,19            | 0,48            | 3,36                     | 2,88                     | 8,43                     | 3,52   | 2,03   | 3,86   | 0,58            |
| 2729 | 15:18:35 | 0,32            | 0,22            | 0,62            | 3,36                     | 2,88                     | 8,43                     | 2,44   | 1,68   | 3,14   | 0,82            |
| 2730 | 15:18:40 | 0,32            | 0,30            | 0,65            | 3,36                     | 2,88                     | 8,43                     | 0,91   | 2,02   | 1,66   | 0,89            |
| 2731 | 15:18:45 | 0,30            | 0,33            | 0,58            | 3,36                     | 2,88                     | 8,43                     | 2,14   | 1,88   | 1,81   | 0,86            |
| 2732 | 15:18:50 | 0,31            | 0,64            | 0,54            | 3,36                     | 2,90                     | 8,43                     | 0,77   | 1,76   | 1,08   | 1,13            |
| 2733 | 15:18:55 | 0,12            | 0,24            | 0,44            | 3,36                     | 2,90                     | 8,43                     | 2,30   | 1,76   | 1,45   | 0,58            |
| 2734 | 15:19:00 | 0,19            | 0,26            | 0,53            | 3,36                     | 2,90                     | 8,43                     | 1,31   | 1,81   | 1,48   | 0,69            |
| 2735 | 15:19:05 | 0,17            | 0,33            | 0,71            | 3,36                     | 2,90                     | 8,43                     | 1,76   | 1,55   | 1,31   | 0,88            |
| 2736 | 15:19:10 | 0,07            | 0,14            | 0,24            | 3,36                     | 2,90                     | 8,43                     | 2,42   | 2,93   | 2,04   | 0,32            |
| 2737 | 15:19:15 | 0,09            | 0,20            | 0,36            | 3,36                     | 2,90                     | 8,43                     | 3,28   | 1,07   | 2,02   | 0,47            |
| 2738 | 15:19:20 | 0,21            | 0,27            | 0,64            | 3,36                     | 2,90                     | 8,43                     | 2,06   | 1,39   | 1,89   | 0,81            |
| 2739 | 15:19:25 | 0,17            | 0,20            | 0,59            | 3,36                     | 2,90                     | 8,43                     | 3,02   | 1,92   | 3,90   | 0,70            |
| 2740 | 15:19:30 | 0,24            | 0,37            | 0,45            | 3,36                     | 2,91                     | 8,43                     | 0,95   | 1,93   | 2,01   | 0,77            |
| 2741 | 15:19:35 | 0,29            | 0,17            | 0,16            | 3,36                     | 2,91                     | 8,43                     | 3,73   | 0,41   | 2,03   | 0,50            |
| 2742 | 15:19:40 | 0,11            | 0,03            | 0,04            | 3,36                     | 2,91                     | 8,43                     | 0,08   | 0,46   | 1,29   | 0,17            |
| 2743 | 15:19:45 | 0,00            | 0,01            | 0,02            | 3,36                     | 2,91                     | 8,43                     | 2,71   | 2,62   | 2,61   | 0,02            |
| 2744 | 15:19:50 | 0,01            | 0,01            | 0,02            | 3,36                     | 2,91                     | 8,43                     | 2,03   | 2,44   | 2,41   | 0,02            |
| 2745 | 15:19:55 | 0,01            | 0,01            | 0,02            | 3,36                     | 2,91                     | 8,43                     | 2,39   | 2,86   | 4,18   | 0,03            |
| 2746 | 15:20:00 | 0,01            | 0,01            | 0,03            | 3,36                     | 2,91                     | 8,43                     | 1,65   | 2,67   | 2,71   | 0,03            |
| 2747 | 15:20:05 | 0,01            | 0,01            | 0,03            | 3,36                     | 2,91                     | 8,43                     | 1,74   | 2,47   | 2,84   | 0,03            |
| 2748 | 15:20:10 | 0,00            | 0,01            | 0,03            | 3,36                     | 2,91                     | 8,43                     | 3,62   | 1,69   | 3,34   | 0,03            |
| 2749 | 15:20:15 | 0,01            | 0,02            | 0,03            | 3,36                     | 2,91                     | 8,43                     | 1,53   | 2,12   | 2,35   | 0,04            |
| 2750 | 15:20:20 | 0,02            | 0,03            | 0,03            | 3,36                     | 2,91                     | 8,43                     | 1,13   | 1,42   | 1,79   | 0,05            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2751 | 15:20:25 | 0,14             | 0,03             | 0,05             | 3,36                      | 2,91                      | 8,43                      | 4,06   | 2,89   | 4,57   | 0,20             |
| 2752 | 15:20:30 | 0,43             | 0,14             | 0,20             | 3,36                      | 2,91                      | 8,43                      | 0,62   | 1,93   | 5,07   | 0,66             |
| 2753 | 15:20:35 | 0,35             | 0,38             | 0,41             | 3,37                      | 2,91                      | 8,43                      | 0,50   | 2,17   | 3,01   | 0,82             |
| 2754 | 15:20:40 | 0,21             | 0,23             | 0,64             | 3,37                      | 2,91                      | 8,44                      | 1,36   | 1,02   | 1,89   | 0,78             |
| 2755 | 15:20:45 | 0,10             | 0,15             | 0,43             | 3,37                      | 2,91                      | 8,44                      | 1,62   | 1,82   | 1,38   | 0,50             |
| 2756 | 15:20:50 | 0,08             | 0,12             | 0,35             | 3,37                      | 2,91                      | 8,44                      | 2,33   | 1,72   | 2,73   | 0,41             |
| 2757 | 15:20:55 | 0,15             | 0,13             | 0,47             | 3,37                      | 2,91                      | 8,44                      | 2,41   | 2,75   | 1,54   | 0,55             |
| 2758 | 15:21:00 | 0,20             | 0,18             | 0,54             | 3,37                      | 2,91                      | 8,44                      | 1,89   | 1,50   | 2,08   | 0,66             |
| 2759 | 15:21:05 | 0,21             | 0,22             | 0,30             | 3,37                      | 2,91                      | 8,44                      | 3,17   | 0,63   | 0,84   | 0,52             |
| 2760 | 15:21:10 | 0,16             | 0,02             | 0,05             | 3,37                      | 2,91                      | 8,44                      | 0,06   | 0,79   | 1,53   | 0,22             |
| 2761 | 15:21:15 | 0,02             | 0,01             | 0,03             | 3,37                      | 2,91                      | 8,44                      | 1,05   | 2,22   | 2,75   | 0,04             |
| 2762 | 15:21:20 | 0,01             | 0,01             | 0,03             | 3,37                      | 2,91                      | 8,44                      | 1,24   | 2,29   | 2,74   | 0,03             |
| 2763 | 15:21:25 | 0,01             | 0,02             | 0,03             | 3,37                      | 2,91                      | 8,44                      | 1,34   | 0,82   | 1,71   | 0,05             |
| 2764 | 15:21:30 | 0,01             | 0,01             | 0,02             | 3,37                      | 2,91                      | 8,44                      | 2,60   | 2,76   | 2,57   | 0,03             |
| 2765 | 15:21:35 | 0,01             | 0,01             | 0,03             | 3,37                      | 2,91                      | 8,44                      | 2,38   | 2,43   | 2,71   | 0,03             |
| 2766 | 15:21:40 | 0,01             | 0,02             | 0,03             | 3,37                      | 2,91                      | 8,44                      | 1,58   | 1,43   | 2,36   | 0,04             |
| 2767 | 15:21:45 | 0,15             | 0,04             | 0,04             | 3,37                      | 2,91                      | 8,44                      | 1,23   | 3,01   | 2,78   | 0,23             |
| 2768 | 15:21:50 | 0,53             | 0,18             | 0,31             | 3,37                      | 2,91                      | 8,44                      | 1,26   | 2,91   | 1,67   | 0,83             |
| 2769 | 15:21:55 | 0,39             | 0,44             | 0,50             | 3,37                      | 2,92                      | 8,44                      | 1,67   | 0,53   | 1,21   | 0,97             |
| 2770 | 15:22:00 | 0,12             | 0,13             | 0,39             | 3,37                      | 2,92                      | 8,44                      | 1,70   | 2,54   | 2,38   | 0,46             |
| 2771 | 15:22:05 | 0,21             | 0,20             | 0,55             | 3,37                      | 2,92                      | 8,44                      | 1,24   | 0,86   | 1,79   | 0,68             |
| 2772 | 15:22:10 | 0,19             | 0,25             | 0,36             | 3,37                      | 2,92                      | 8,44                      | 1,97   | 1,84   | 3,06   | 0,57             |
| 2773 | 15:22:15 | 0,35             | 0,22             | 0,73             | 3,37                      | 2,92                      | 8,44                      | 2,64   | 2,31   | 1,93   | 0,93             |
| 2774 | 15:22:20 | 0,16             | 0,18             | 0,46             | 3,37                      | 2,92                      | 8,44                      | 1,83   | 1,96   | 3,04   | 0,57             |
| 2775 | 15:22:25 | 0,26             | 0,20             | 0,68             | 3,38                      | 2,92                      | 8,44                      | 2,33   | 1,85   | 2,15   | 0,83             |
| 2776 | 15:22:30 | 0,17             | 0,27             | 0,48             | 3,38                      | 2,92                      | 8,44                      | 2,21   | 1,10   | 2,44   | 0,66             |
| 2777 | 15:22:35 | 0,45             | 0,30             | 1,02             | 3,38                      | 2,92                      | 8,45                      | 0,49   | 1,51   | 1,00   | 1,27             |
| 2778 | 15:22:40 | 0,11             | 0,22             | 0,39             | 3,38                      | 2,92                      | 8,45                      | 2,31   | 1,01   | 1,82   | 0,52             |
| 2779 | 15:22:45 | 0,25             | 0,23             | 0,53             | 3,38                      | 2,92                      | 8,45                      | 2,48   | 1,89   | 1,08   | 0,71             |
| 2780 | 15:22:50 | 0,17             | 0,16             | 0,43             | 3,38                      | 2,92                      | 8,45                      | 2,38   | 3,47   | 2,76   | 0,54             |
| 2781 | 15:22:55 | 0,15             | 0,27             | 0,40             | 3,38                      | 2,92                      | 8,45                      | 1,17   | 1,06   | 1,12   | 0,60             |
| 2782 | 15:23:00 | 0,21             | 0,11             | 0,08             | 3,38                      | 2,92                      | 8,45                      | 0,09   | 0,32   | 0,93   | 0,34             |
| 2783 | 15:23:05 | 0,01             | 0,01             | 0,03             | 3,38                      | 2,92                      | 8,45                      | 1,41   | 3,05   | 2,95   | 0,03             |
| 2784 | 15:23:10 | 0,01             | 0,01             | 0,02             | 3,38                      | 2,92                      | 8,45                      | 2,19   | 1,97   | 3,31   | 0,03             |
| 2785 | 15:23:15 | 0,11             | 0,02             | 0,04             | 3,38                      | 2,92                      | 8,45                      | 2,51   | 1,64   | 2,18   | 0,16             |
| 2786 | 15:23:20 | 0,46             | 0,29             | 0,25             | 3,38                      | 2,93                      | 8,45                      | 2,09   | 3,60   | 2,40   | 0,81             |
| 2787 | 15:23:25 | 0,31             | 0,42             | 0,50             | 3,38                      | 2,93                      | 8,45                      | 0,93   | 0,96   | 3,15   | 0,88             |
| 2788 | 15:23:30 | 0,19             | 0,19             | 0,45             | 3,38                      | 2,93                      | 8,45                      | 1,94   | 2,04   | 1,95   | 0,58             |
| 2789 | 15:23:35 | 0,17             | 0,16             | 0,36             | 3,38                      | 2,93                      | 8,45                      | 2,38   | 1,56   | 3,96   | 0,48             |
| 2790 | 15:23:40 | 0,28             | 0,41             | 0,49             | 3,39                      | 2,94                      | 8,45                      | 1,97   | 2,19   | 1,83   | 0,85             |
| 2791 | 15:23:45 | 0,47             | 0,34             | 0,37             | 3,39                      | 2,94                      | 8,45                      | 0,94   | 0,95   | 3,70   | 0,90             |
| 2792 | 15:23:50 | 0,11             | 0,15             | 0,29             | 3,39                      | 2,94                      | 8,45                      | 2,46   | 2,47   | 1,76   | 0,39             |
| 2793 | 15:23:55 | 0,13             | 0,11             | 0,15             | 3,39                      | 2,94                      | 8,45                      | 2,85   | 2,23   | 1,67   | 0,29             |
| 2794 | 15:24:00 | 0,21             | 0,04             | 0,05             | 3,39                      | 2,94                      | 8,45                      | 0,07   | 0,31   | 1,26   | 0,30             |
| 2795 | 15:24:05 | 0,00             | 0,01             | 0,02             | 3,39                      | 2,94                      | 8,45                      | 2,57   | 2,19   | 2,61   | 0,02             |
| 2796 | 15:24:10 | 0,01             | 0,03             | 0,03             | 3,39                      | 2,94                      | 8,45                      | 1,69   | 2,47   | 2,64   | 0,05             |
| 2797 | 15:24:15 | 0,00             | 0,01             | 0,02             | 3,39                      | 2,94                      | 8,45                      | 2,72   | 2,47   | 2,34   | 0,03             |
| 2798 | 15:24:20 | 0,01             | 0,02             | 0,03             | 3,39                      | 2,94                      | 8,45                      | 3,78   | 4,02   | 1,98   | 0,04             |
| 2799 | 15:24:25 | 0,01             | 0,01             | 0,02             | 3,39                      | 2,94                      | 8,45                      | 1,64   | 1,50   | 3,03   | 0,03             |
| 2800 | 15:24:30 | 0,01             | 0,02             | 0,04             | 3,39                      | 2,94                      | 8,45                      | 0,93   | 1,16   | 2,90   | 0,05             |
| 2801 | 15:24:35 | 0,06             | 0,02             | 0,03             | 3,39                      | 2,94                      | 8,45                      | 2,96   | 1,37   | 1,65   | 0,09             |
| 2802 | 15:24:40 | 0,21             | 0,07             | 0,09             | 3,39                      | 2,94                      | 8,45                      | 2,89   | 4,74   | 4,91   | 0,32             |
| 2803 | 15:24:45 | 0,47             | 0,19             | 0,44             | 3,40                      | 2,94                      | 8,45                      | 0,72   | 1,83   | 3,04   | 0,84             |
| 2804 | 15:24:50 | 0,21             | 0,15             | 0,39             | 3,40                      | 2,94                      | 8,45                      | 0,89   | 2,87   | 2,31   | 0,53             |
| 2805 | 15:24:55 | 0,11             | 0,15             | 0,35             | 3,40                      | 2,94                      | 8,45                      | 1,63   | 2,98   | 1,23   | 0,44             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2806 | 15:25:00 | 0,11            | 0,13            | 0,11            | 3,40                     | 2,94                     | 8,45                     | 1,64   | 0,36   | 1,05   | 0,26            |
| 2807 | 15:25:05 | 0,09            | 0,01            | 0,11            | 3,40                     | 2,94                     | 8,45                     | 0,14   | 0,83   | 0,57   | 0,17            |
| 2808 | 15:25:10 | 0,01            | 0,01            | 0,02            | 3,40                     | 2,94                     | 8,45                     | 2,44   | 1,90   | 2,41   | 0,03            |
| 2809 | 15:25:15 | 0,01            | 0,01            | 0,03            | 3,40                     | 2,94                     | 8,45                     | 0,87   | 1,38   | 1,92   | 0,03            |
| 2810 | 15:25:20 | 0,01            | 0,01            | 0,04            | 3,40                     | 2,94                     | 8,45                     | 2,32   | 1,62   | 4,26   | 0,04            |
| 2811 | 15:25:25 | 0,01            | 0,01            | 0,02            | 3,40                     | 2,94                     | 8,45                     | 1,57   | 2,19   | 2,98   | 0,03            |
| 2812 | 15:25:30 | 0,00            | 0,01            | 0,02            | 3,40                     | 2,94                     | 8,45                     | 2,43   | 3,15   | 2,88   | 0,02            |
| 2813 | 15:25:35 | 0,10            | 0,03            | 0,04            | 3,40                     | 2,94                     | 8,45                     | 5,45   | 3,57   | 7,22   | 0,16            |
| 2814 | 15:25:40 | 0,48            | 0,16            | 0,32            | 3,40                     | 2,94                     | 8,45                     | 1,56   | 2,96   | 1,89   | 0,77            |
| 2815 | 15:25:45 | 0,27            | 0,12            | 0,38            | 3,40                     | 2,94                     | 8,45                     | 0,80   | 2,78   | 1,75   | 0,56            |
| 2816 | 15:25:50 | 0,14            | 0,13            | 0,34            | 3,40                     | 2,94                     | 8,45                     | 2,01   | 1,97   | 2,85   | 0,43            |
| 2817 | 15:25:55 | 0,19            | 0,22            | 0,44            | 3,40                     | 2,94                     | 8,45                     | 2,57   | 2,51   | 3,26   | 0,61            |
| 2818 | 15:26:00 | 0,19            | 0,62            | 0,59            | 3,40                     | 2,98                     | 8,45                     | 0,92   | 1,00   | 0,70   | 1,08            |
| 2819 | 15:26:05 | 0,25            | 0,16            | 0,41            | 3,40                     | 2,98                     | 8,45                     | 1,46   | 1,53   | 2,45   | 0,58            |
| 2820 | 15:26:10 | 0,22            | 0,39            | 0,47            | 3,40                     | 2,99                     | 8,45                     | 2,94   | 3,36   | 2,57   | 0,78            |
| 2821 | 15:26:15 | 0,16            | 0,66            | 0,24            | 3,40                     | 3,01                     | 8,45                     | 1,48   | 0,34   | 1,82   | 0,98            |
| 2822 | 15:26:20 | 0,10            | 0,19            | 0,27            | 3,40                     | 3,01                     | 8,45                     | 1,56   | 1,63   | 1,77   | 0,41            |
| 2823 | 15:26:25 | 0,20            | 0,24            | 0,14            | 3,40                     | 3,01                     | 8,45                     | 2,57   | 2,32   | 1,76   | 0,45            |
| 2824 | 15:26:30 | 0,21            | 0,18            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 1,48   | 0,68   | 1,99   | 0,40            |
| 2825 | 15:26:35 | 0,37            | 0,24            | 0,15            | 3,40                     | 3,01                     | 8,45                     | 0,18   | 0,89   | 1,14   | 0,63            |
| 2826 | 15:26:40 | 0,01            | 0,02            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 1,17   | 2,16   | 1,89   | 0,08            |
| 2827 | 15:26:45 | 0,01            | 0,02            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 2,49   | 2,04   | 1,91   | 0,08            |
| 2828 | 15:26:50 | 0,01            | 0,02            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 3,45   | 2,40   | 1,81   | 0,08            |
| 2829 | 15:26:55 | 0,01            | 0,02            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 4,23   | 3,93   | 4,40   | 0,08            |
| 2830 | 15:27:00 | 0,01            | 0,02            | 0,07            | 3,40                     | 3,01                     | 8,45                     | 2,24   | 2,12   | 2,24   | 0,08            |
| 2831 | 15:27:05 | 0,03            | 0,12            | 0,24            | 3,40                     | 3,01                     | 8,45                     | 1,04   | 0,68   | 1,14   | 0,29            |
| 2832 | 15:27:10 | 0,02            | 0,05            | 0,11            | 3,40                     | 3,01                     | 8,45                     | 3,44   | 2,85   | 3,28   | 0,13            |
| 2833 | 15:27:15 | 0,42            | 0,32            | 0,63            | 3,44                     | 3,07                     | 8,76                     | 0,90   | 0,64   | 0,26   | 0,97            |
| 2834 | 15:27:20 | 0,38            | 0,21            | 0,14            | 3,45                     | 3,07                     | 8,76                     | 1,80   | 2,38   | 1,99   | 0,63            |
| 2835 | 15:27:25 | 0,15            | 0,15            | 0,16            | 3,45                     | 3,07                     | 8,76                     | 0,81   | 2,15   | 1,33   | 0,34            |
| 2836 | 15:27:30 | 0,17            | 0,10            | 0,13            | 3,45                     | 3,07                     | 8,76                     | 0,35   | 1,18   | 0,81   | 0,30            |
| 2837 | 15:27:35 | 0,29            | 0,03            | 0,06            | 3,45                     | 3,07                     | 8,76                     | 0,04   | 0,65   | 0,68   | 0,41            |
| 2838 | 15:27:40 | 0,26            | 0,08            | 0,11            | 3,45                     | 3,07                     | 8,76                     | 3,25   | 2,63   | 2,41   | 0,40            |
| 2839 | 15:27:45 | 0,32            | 0,26            | 0,32            | 3,45                     | 3,07                     | 8,76                     | 2,00   | 1,43   | 1,65   | 0,66            |
| 2840 | 15:27:50 | 0,24            | 0,15            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 0,52   | 1,43   | 2,02   | 0,45            |
| 2841 | 15:27:55 | 0,13            | 0,13            | 0,20            | 3,45                     | 3,07                     | 8,76                     | 1,61   | 0,91   | 0,89   | 0,32            |
| 2842 | 15:28:00 | 0,23            | 0,05            | 0,06            | 3,45                     | 3,07                     | 8,76                     | 0,58   | 0,45   | 1,68   | 0,33            |
| 2843 | 15:28:05 | 0,01            | 0,01            | 0,02            | 3,45                     | 3,07                     | 8,76                     | 1,88   | 2,50   | 3,40   | 0,02            |
| 2844 | 15:28:10 | 0,01            | 0,03            | 0,04            | 3,45                     | 3,07                     | 8,76                     | 1,17   | 0,67   | 1,67   | 0,05            |
| 2845 | 15:28:15 | 0,01            | 0,01            | 0,02            | 3,45                     | 3,07                     | 8,76                     | 1,78   | 1,63   | 2,78   | 0,03            |
| 2846 | 15:28:20 | 0,01            | 0,01            | 0,02            | 3,45                     | 3,07                     | 8,76                     | 2,00   | 2,64   | 2,21   | 0,03            |
| 2847 | 15:28:25 | 0,01            | 0,01            | 0,02            | 3,45                     | 3,07                     | 8,76                     | 2,82   | 2,85   | 4,02   | 0,03            |
| 2848 | 15:28:30 | 0,00            | 0,01            | 0,02            | 3,45                     | 3,07                     | 8,76                     | 2,55   | 1,78   | 2,84   | 0,02            |
| 2849 | 15:28:35 | 0,01            | 0,01            | 0,03            | 3,45                     | 3,07                     | 8,76                     | 3,19   | 3,28   | 3,74   | 0,03            |
| 2850 | 15:28:40 | 0,22            | 0,07            | 0,09            | 3,45                     | 3,07                     | 8,76                     | 3,58   | 4,07   | 5,27   | 0,33            |
| 2851 | 15:28:45 | 0,26            | 0,16            | 0,49            | 3,45                     | 3,07                     | 8,76                     | 1,27   | 2,66   | 2,98   | 0,66            |
| 2852 | 15:28:50 | 0,12            | 0,13            | 0,27            | 3,45                     | 3,07                     | 8,76                     | 1,55   | 1,99   | 1,15   | 0,37            |
| 2853 | 15:28:55 | 0,12            | 0,25            | 0,31            | 3,45                     | 3,07                     | 8,76                     | 2,49   | 2,14   | 3,33   | 0,49            |
| 2854 | 15:29:00 | 0,15            | 0,25            | 0,18            | 3,45                     | 3,07                     | 8,76                     | 2,40   | 0,44   | 0,67   | 0,44            |
| 2855 | 15:29:05 | 0,12            | 0,01            | 0,03            | 3,45                     | 3,07                     | 8,76                     | 0,08   | 0,74   | 1,86   | 0,18            |
| 2856 | 15:29:10 | 0,00            | 0,02            | 0,03            | 3,45                     | 3,07                     | 8,76                     | 4,82   | 2,10   | 4,96   | 0,04            |
| 2857 | 15:29:15 | 0,05            | 0,02            | 0,03            | 3,45                     | 3,07                     | 8,76                     | 5,91   | 1,95   | 3,28   | 0,08            |
| 2858 | 15:29:20 | 0,18            | 0,04            | 0,05            | 3,45                     | 3,07                     | 8,76                     | 0,36   | 0,35   | 1,51   | 0,26            |
| 2859 | 15:29:25 | 0,07            | 0,02            | 0,03            | 3,45                     | 3,07                     | 8,76                     | 0,72   | 2,32   | 3,32   | 0,10            |
| 2860 | 15:29:30 | 0,24            | 0,03            | 0,07            | 3,45                     | 3,07                     | 8,76                     | 4,34   | 2,82   | 6,42   | 0,34            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2861 | 15:29:35 | 0,30            | 0,15            | 0,17            | 3,45                     | 3,07                     | 8,76                     | 1,03   | 1,18   | 1,08   | 0,51            |
| 2862 | 15:29:40 | 0,17            | 0,17            | 0,43            | 3,45                     | 3,07                     | 8,76                     | 2,19   | 1,93   | 2,91   | 0,55            |
| 2863 | 15:29:45 | 0,13            | 0,20            | 0,24            | 3,45                     | 3,07                     | 8,76                     | 1,53   | 0,46   | 1,45   | 0,40            |
| 2864 | 15:29:50 | 0,06            | 0,11            | 0,22            | 3,45                     | 3,07                     | 8,76                     | 2,47   | 2,94   | 2,17   | 0,28            |
| 2865 | 15:29:55 | 0,15            | 0,22            | 0,39            | 3,45                     | 3,07                     | 8,76                     | 2,58   | 3,06   | 3,86   | 0,54            |
| 2866 | 15:30:00 | 0,15            | 0,19            | 0,31            | 3,45                     | 3,07                     | 8,76                     | 3,50   | 1,51   | 0,74   | 0,46            |
| 2867 | 15:30:05 | 0,17            | 0,41            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 1,49   | 1,00   | 0,88   | 0,66            |
| 2868 | 15:30:10 | 0,17            | 0,09            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 0,52   | 1,72   | 2,83   | 0,36            |
| 2869 | 15:30:15 | 0,05            | 0,11            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 3,13   | 2,94   | 3,22   | 0,29            |
| 2870 | 15:30:20 | 0,08            | 0,10            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 2,77   | 1,61   | 2,08   | 0,29            |
| 2871 | 15:30:25 | 0,11            | 0,12            | 0,39            | 3,45                     | 3,07                     | 8,76                     | 2,32   | 2,42   | 2,46   | 0,45            |
| 2872 | 15:30:30 | 0,11            | 0,12            | 0,22            | 3,45                     | 3,07                     | 8,76                     | 1,55   | 1,79   | 2,02   | 0,32            |
| 2873 | 15:30:35 | 0,08            | 0,07            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 1,23   | 1,79   | 1,98   | 0,27            |
| 2874 | 15:30:40 | 0,06            | 0,11            | 0,25            | 3,45                     | 3,07                     | 8,76                     | 1,58   | 1,56   | 1,30   | 0,31            |
| 2875 | 15:30:45 | 0,10            | 0,09            | 0,23            | 3,45                     | 3,07                     | 8,76                     | 2,73   | 2,59   | 0,99   | 0,30            |
| 2876 | 15:30:50 | 0,27            | 0,04            | 0,07            | 3,46                     | 3,07                     | 8,76                     | 0,19   | 1,01   | 1,08   | 0,39            |
| 2877 | 15:30:55 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,07                     | 8,76                     | 1,86   | 2,46   | 5,06   | 0,03            |
| 2878 | 15:31:00 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,07                     | 8,76                     | 1,58   | 1,48   | 2,99   | 0,03            |
| 2879 | 15:31:05 | 0,01            | 0,01            | 0,03            | 3,46                     | 3,07                     | 8,76                     | 1,92   | 2,61   | 2,21   | 0,03            |
| 2880 | 15:31:10 | 0,00            | 0,01            | 0,02            | 3,46                     | 3,07                     | 8,76                     | 1,78   | 2,99   | 2,74   | 0,03            |
| 2881 | 15:31:15 | 0,00            | 0,01            | 0,02            | 3,46                     | 3,07                     | 8,76                     | 2,06   | 2,76   | 2,15   | 0,02            |
| 2882 | 15:31:20 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,07                     | 8,76                     | 2,29   | 2,56   | 2,44   | 0,03            |
| 2883 | 15:31:25 | 0,32            | 0,08            | 0,10            | 3,46                     | 3,08                     | 8,76                     | 1,97   | 1,90   | 3,00   | 0,47            |
| 2884 | 15:31:30 | 0,35            | 0,37            | 0,25            | 3,46                     | 3,08                     | 8,76                     | 0,68   | 2,39   | 2,94   | 0,76            |
| 2885 | 15:31:35 | 0,14            | 0,21            | 0,23            | 3,46                     | 3,08                     | 8,76                     | 0,94   | 0,68   | 1,82   | 0,42            |
| 2886 | 15:31:40 | 0,08            | 0,08            | 0,14            | 3,46                     | 3,08                     | 8,76                     | 2,30   | 0,54   | 1,20   | 0,22            |
| 2887 | 15:31:45 | 0,10            | 0,02            | 0,04            | 3,46                     | 3,08                     | 8,76                     | 0,12   | 1,11   | 1,74   | 0,15            |
| 2888 | 15:31:50 | 0,00            | 0,01            | 0,02            | 3,46                     | 3,08                     | 8,76                     | 2,24   | 2,47   | 3,01   | 0,02            |
| 2889 | 15:31:55 | 0,02            | 0,03            | 0,03            | 3,46                     | 3,08                     | 8,76                     | 0,98   | 0,86   | 2,26   | 0,06            |
| 2890 | 15:32:00 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,08                     | 8,76                     | 1,74   | 1,94   | 3,32   | 0,03            |
| 2891 | 15:32:05 | 0,00            | 0,01            | 0,02            | 3,46                     | 3,08                     | 8,76                     | 2,97   | 2,01   | 2,46   | 0,02            |
| 2892 | 15:32:10 | 0,10            | 0,05            | 0,06            | 3,46                     | 3,08                     | 8,76                     | 2,29   | 4,43   | 2,69   | 0,17            |
| 2893 | 15:32:15 | 0,46            | 0,18            | 0,49            | 3,46                     | 3,08                     | 8,76                     | 1,54   | 2,95   | 3,76   | 0,84            |
| 2894 | 15:32:20 | 0,35            | 0,56            | 0,78            | 3,46                     | 3,09                     | 8,77                     | 1,15   | 0,39   | 0,70   | 1,21            |
| 2895 | 15:32:25 | 0,27            | 0,16            | 0,24            | 3,46                     | 3,09                     | 8,77                     | 1,77   | 2,70   | 2,37   | 0,50            |
| 2896 | 15:32:30 | 0,18            | 0,18            | 0,36            | 3,46                     | 3,09                     | 8,77                     | 1,02   | 1,13   | 1,48   | 0,50            |
| 2897 | 15:32:35 | 0,10            | 0,14            | 0,25            | 3,46                     | 3,09                     | 8,77                     | 2,23   | 2,78   | 2,90   | 0,35            |
| 2898 | 15:32:40 | 0,09            | 0,13            | 0,18            | 3,46                     | 3,09                     | 8,77                     | 1,46   | 1,08   | 1,60   | 0,29            |
| 2899 | 15:32:45 | 0,15            | 0,14            | 0,05            | 3,46                     | 3,09                     | 8,77                     | 0,33   | 0,15   | 1,53   | 0,29            |
| 2900 | 15:32:50 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,09                     | 8,77                     | 1,66   | 2,31   | 2,82   | 0,03            |
| 2901 | 15:32:55 | 0,01            | 0,01            | 0,02            | 3,46                     | 3,09                     | 8,77                     | 2,21   | 3,08   | 2,87   | 0,03            |
| 2902 | 15:33:00 | 0,15            | 0,03            | 0,05            | 3,46                     | 3,09                     | 8,77                     | 2,76   | 2,95   | 5,32   | 0,22            |
| 2903 | 15:33:05 | 0,41            | 0,16            | 0,42            | 3,47                     | 3,09                     | 8,77                     | 1,81   | 1,10   | 2,68   | 0,75            |
| 2904 | 15:33:10 | 0,22            | 0,10            | 0,46            | 3,47                     | 3,09                     | 8,77                     | 1,26   | 3,38   | 1,80   | 0,57            |
| 2905 | 15:33:15 | 0,07            | 0,15            | 0,29            | 3,47                     | 3,09                     | 8,77                     | 2,15   | 3,67   | 3,59   | 0,37            |
| 2906 | 15:33:20 | 0,16            | 0,18            | 0,52            | 3,47                     | 3,09                     | 8,77                     | 1,25   | 1,85   | 1,22   | 0,62            |
| 2907 | 15:33:25 | 0,12            | 0,11            | 0,38            | 3,47                     | 3,09                     | 8,77                     | 3,64   | 1,67   | 1,67   | 0,44            |
| 2908 | 15:33:30 | 0,13            | 0,15            | 0,50            | 3,47                     | 3,09                     | 8,77                     | 3,95   | 2,68   | 4,59   | 0,57            |
| 2909 | 15:33:35 | 0,19            | 0,17            | 0,47            | 3,47                     | 3,09                     | 8,77                     | 0,98   | 1,71   | 1,81   | 0,59            |
| 2910 | 15:33:40 | 0,06            | 0,11            | 0,30            | 3,47                     | 3,09                     | 8,77                     | 4,09   | 3,52   | 4,06   | 0,35            |
| 2911 | 15:33:45 | 0,10            | 0,17            | 0,38            | 3,47                     | 3,09                     | 8,77                     | 1,70   | 1,23   | 0,83   | 0,47            |
| 2912 | 15:33:50 | 0,11            | 0,16            | 0,36            | 3,47                     | 3,09                     | 8,77                     | 3,40   | 1,66   | 3,26   | 0,45            |
| 2913 | 15:33:55 | 0,12            | 0,14            | 0,31            | 3,47                     | 3,09                     | 8,77                     | 0,95   | 2,33   | 2,71   | 0,40            |
| 2914 | 15:34:00 | 0,08            | 0,10            | 0,30            | 3,47                     | 3,09                     | 8,77                     | 3,13   | 2,21   | 3,34   | 0,35            |
| 2915 | 15:34:05 | 0,15            | 0,16            | 0,34            | 3,47                     | 3,09                     | 8,77                     | 1,02   | 1,56   | 1,90   | 0,45            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2916 | 15:34:10 | 0,17            | 0,14            | 0,17            | 3,47                     | 3,09                     | 8,77                     | 1,06   | 2,20   | 1,44   | 0,35            |
| 2917 | 15:34:15 | 0,58            | 0,15            | 0,32            | 3,47                     | 3,09                     | 8,77                     | 0,14   | 0,99   | 1,01   | 0,89            |
| 2918 | 15:34:20 | 0,28            | 0,25            | 0,43            | 3,47                     | 3,09                     | 8,77                     | 0,93   | 1,33   | 1,54   | 0,68            |
| 2919 | 15:34:25 | 0,21            | 0,12            | 0,23            | 3,47                     | 3,09                     | 8,77                     | 1,37   | 1,91   | 1,79   | 0,40            |
| 2920 | 15:34:30 | 0,19            | 0,05            | 0,09            | 3,47                     | 3,09                     | 8,77                     | 1,22   | 0,79   | 1,47   | 0,29            |
| 2921 | 15:34:35 | 0,31            | 0,06            | 0,10            | 3,47                     | 3,09                     | 8,77                     | 3,12   | 3,31   | 4,08   | 0,46            |
| 2922 | 15:34:40 | 0,28            | 0,19            | 0,23            | 3,47                     | 3,09                     | 8,77                     | 0,94   | 2,36   | 3,21   | 0,53            |
| 2923 | 15:34:45 | 0,19            | 0,22            | 0,46            | 3,47                     | 3,09                     | 8,77                     | 1,11   | 1,46   | 1,03   | 0,61            |
| 2924 | 15:34:50 | 0,13            | 0,16            | 0,36            | 3,47                     | 3,09                     | 8,77                     | 3,36   | 2,42   | 3,83   | 0,46            |
| 2925 | 15:34:55 | 0,25            | 0,18            | 0,52            | 3,47                     | 3,09                     | 8,77                     | 1,22   | 2,53   | 2,36   | 0,68            |
| 2926 | 15:35:00 | 0,11            | 0,19            | 0,39            | 3,47                     | 3,09                     | 8,77                     | 1,52   | 1,61   | 1,00   | 0,50            |
| 2927 | 15:35:05 | 0,46            | 0,54            | 0,56            | 3,48                     | 3,10                     | 8,77                     | 1,01   | 0,74   | 0,91   | 1,13            |
| 2928 | 15:35:10 | 0,24            | 0,22            | 0,31            | 3,48                     | 3,10                     | 8,77                     | 2,20   | 1,53   | 2,44   | 0,55            |
| 2929 | 15:35:15 | 0,18            | 0,18            | 0,40            | 3,48                     | 3,10                     | 8,77                     | 1,51   | 1,77   | 2,51   | 0,54            |
| 2930 | 15:35:20 | 0,13            | 0,20            | 0,54            | 3,48                     | 3,10                     | 8,77                     | 2,24   | 1,92   | 2,03   | 0,64            |
| 2931 | 15:35:25 | 0,12            | 0,14            | 0,45            | 3,48                     | 3,10                     | 8,77                     | 2,63   | 3,13   | 3,15   | 0,53            |
| 2932 | 15:35:30 | 0,12            | 0,25            | 0,40            | 3,48                     | 3,11                     | 8,77                     | 5,24   | 0,93   | 2,20   | 0,56            |
| 2933 | 15:35:35 | 0,36            | 0,19            | 0,52            | 3,48                     | 3,11                     | 8,77                     | 2,22   | 1,58   | 1,21   | 0,76            |
| 2934 | 15:35:40 | 0,29            | 0,13            | 0,33            | 3,48                     | 3,11                     | 8,77                     | 1,17   | 2,14   | 3,25   | 0,56            |
| 2935 | 15:35:45 | 0,17            | 0,35            | 0,64            | 3,48                     | 3,11                     | 8,77                     | 1,54   | 1,70   | 1,83   | 0,83            |
| 2936 | 15:35:50 | 0,09            | 0,16            | 0,28            | 3,48                     | 3,11                     | 8,77                     | 1,93   | 2,30   | 3,04   | 0,38            |
| 2937 | 15:35:55 | 0,10            | 0,21            | 0,37            | 3,48                     | 3,11                     | 8,77                     | 1,80   | 2,93   | 2,41   | 0,49            |
| 2938 | 15:36:00 | 0,12            | 0,31            | 0,39            | 3,48                     | 3,11                     | 8,77                     | 1,22   | 0,81   | 1,19   | 0,61            |
| 2939 | 15:36:05 | 0,11            | 0,18            | 0,33            | 3,48                     | 3,11                     | 8,77                     | 1,17   | 2,86   | 1,64   | 0,45            |
| 2940 | 15:36:10 | 0,12            | 0,23            | 0,34            | 3,48                     | 3,11                     | 8,77                     | 1,83   | 1,49   | 2,40   | 0,50            |
| 2941 | 15:36:15 | 0,14            | 0,17            | 0,33            | 3,48                     | 3,11                     | 8,77                     | 2,77   | 2,03   | 3,03   | 0,45            |
| 2942 | 15:36:20 | 0,17            | 0,23            | 0,44            | 3,48                     | 3,11                     | 8,77                     | 1,75   | 1,58   | 1,36   | 0,60            |
| 2943 | 15:36:25 | 0,27            | 0,44            | 0,41            | 3,48                     | 3,11                     | 8,77                     | 3,10   | 1,13   | 1,48   | 0,84            |
| 2944 | 15:36:30 | 0,36            | 0,44            | 0,57            | 3,48                     | 3,12                     | 8,77                     | 2,18   | 1,91   | 2,12   | 0,98            |
| 2945 | 15:36:35 | 0,28            | 0,25            | 0,25            | 3,49                     | 3,12                     | 8,77                     | 0,34   | 0,71   | 0,77   | 0,59            |
| 2946 | 15:36:40 | 0,44            | 0,21            | 0,20            | 3,49                     | 3,12                     | 8,77                     | 0,69   | 3,43   | 1,79   | 0,71            |
| 2947 | 15:36:45 | 0,27            | 0,18            | 0,37            | 3,49                     | 3,12                     | 8,77                     | 1,23   | 2,51   | 3,31   | 0,59            |
| 2948 | 15:36:50 | 0,13            | 0,16            | 0,33            | 3,49                     | 3,12                     | 8,77                     | 0,63   | 1,16   | 1,32   | 0,44            |
| 2949 | 15:36:55 | 0,07            | 0,20            | 0,23            | 3,49                     | 3,12                     | 8,77                     | 2,90   | 0,90   | 2,47   | 0,37            |
| 2950 | 15:37:00 | 0,15            | 0,24            | 0,30            | 3,49                     | 3,12                     | 8,77                     | 1,97   | 2,05   | 1,41   | 0,50            |
| 2951 | 15:37:05 | 0,26            | 0,28            | 0,24            | 3,49                     | 3,12                     | 8,78                     | 1,64   | 0,75   | 2,93   | 0,59            |
| 2952 | 15:37:10 | 0,08            | 0,10            | 0,28            | 3,49                     | 3,12                     | 8,78                     | 1,89   | 2,33   | 2,34   | 0,33            |
| 2953 | 15:37:15 | 0,23            | 0,19            | 0,23            | 3,49                     | 3,12                     | 8,78                     | 1,00   | 1,62   | 2,21   | 0,48            |
| 2954 | 15:37:20 | 0,20            | 0,27            | 0,44            | 3,49                     | 3,12                     | 8,78                     | 2,44   | 2,89   | 2,38   | 0,65            |
| 2955 | 15:37:25 | 0,13            | 0,22            | 0,37            | 3,49                     | 3,12                     | 8,78                     | 1,68   | 1,35   | 3,24   | 0,52            |
| 2956 | 15:37:30 | 0,14            | 0,11            | 0,44            | 3,49                     | 3,12                     | 8,78                     | 3,58   | 1,89   | 3,14   | 0,51            |
| 2957 | 15:37:35 | 0,17            | 0,18            | 0,42            | 3,49                     | 3,12                     | 8,78                     | 1,50   | 1,93   | 2,05   | 0,54            |
| 2958 | 15:37:40 | 0,32            | 0,18            | 0,60            | 3,49                     | 3,12                     | 8,78                     | 1,56   | 1,90   | 1,68   | 0,79            |
| 2959 | 15:37:45 | 0,19            | 0,20            | 0,34            | 3,50                     | 3,12                     | 8,78                     | 1,24   | 2,41   | 1,60   | 0,52            |
| 2960 | 15:37:50 | 0,17            | 0,39            | 0,19            | 3,50                     | 3,12                     | 8,78                     | 1,79   | 0,59   | 1,55   | 0,62            |
| 2961 | 15:37:55 | 0,29            | 0,13            | 0,24            | 3,50                     | 3,12                     | 8,78                     | 2,62   | 1,17   | 1,82   | 0,51            |
| 2962 | 15:38:00 | 0,22            | 0,14            | 0,24            | 3,50                     | 3,12                     | 8,78                     | 1,38   | 4,17   | 4,38   | 0,44            |
| 2963 | 15:38:05 | 0,11            | 0,25            | 0,40            | 3,50                     | 3,12                     | 8,78                     | 1,71   | 1,23   | 1,84   | 0,55            |
| 2964 | 15:38:10 | 0,07            | 0,17            | 0,27            | 3,50                     | 3,12                     | 8,78                     | 4,10   | 2,45   | 3,51   | 0,37            |
| 2965 | 15:38:15 | 0,05            | 0,09            | 0,20            | 3,50                     | 3,12                     | 8,78                     | 2,38   | 2,62   | 1,75   | 0,25            |
| 2966 | 15:38:20 | 0,11            | 0,13            | 0,30            | 3,50                     | 3,12                     | 8,78                     | 2,18   | 1,03   | 2,16   | 0,38            |
| 2967 | 15:38:25 | 0,11            | 0,19            | 0,22            | 3,50                     | 3,12                     | 8,78                     | 2,32   | 1,58   | 3,97   | 0,37            |
| 2968 | 15:38:30 | 0,14            | 0,12            | 0,19            | 3,50                     | 3,12                     | 8,78                     | 1,42   | 2,09   | 1,70   | 0,32            |
| 2969 | 15:38:35 | 0,23            | 0,13            | 0,12            | 3,50                     | 3,12                     | 8,78                     | 1,27   | 1,33   | 1,12   | 0,38            |
| 2970 | 15:38:40 | 0,13            | 0,16            | 0,17            | 3,50                     | 3,12                     | 8,78                     | 4,04   | 1,27   | 2,83   | 0,33            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2971 | 15:38:45 | 0,20             | 0,22             | 0,23             | 3,50                      | 3,12                      | 8,78                      | 1,07   | 0,99   | 2,11   | 0,48             |
| 2972 | 15:38:50 | 0,07             | 0,14             | 0,22             | 3,50                      | 3,12                      | 8,78                      | 2,13   | 2,95   | 2,90   | 0,31             |
| 2973 | 15:38:55 | 0,06             | 0,18             | 0,28             | 3,50                      | 3,12                      | 8,78                      | 2,63   | 2,46   | 2,06   | 0,38             |
| 2974 | 15:39:00 | 0,11             | 0,25             | 0,37             | 3,50                      | 3,13                      | 8,78                      | 1,21   | 1,72   | 1,84   | 0,52             |
| 2975 | 15:39:05 | 0,05             | 0,12             | 0,21             | 3,50                      | 3,13                      | 8,78                      | 1,79   | 1,27   | 1,85   | 0,28             |
| 2976 | 15:39:10 | 0,18             | 0,12             | 0,25             | 3,50                      | 3,13                      | 8,78                      | 2,20   | 1,95   | 2,60   | 0,39             |
| 2977 | 15:39:15 | 0,10             | 0,14             | 0,29             | 3,50                      | 3,13                      | 8,78                      | 2,50   | 1,40   | 3,26   | 0,38             |
| 2978 | 15:39:20 | 0,12             | 0,17             | 0,33             | 3,50                      | 3,13                      | 8,78                      | 1,02   | 1,70   | 1,69   | 0,44             |
| 2979 | 15:39:25 | 0,34             | 0,32             | 0,56             | 3,50                      | 3,13                      | 8,78                      | 1,25   | 1,53   | 1,83   | 0,86             |
| 2980 | 15:39:30 | 0,11             | 0,18             | 0,33             | 3,50                      | 3,13                      | 8,78                      | 2,58   | 1,36   | 3,43   | 0,44             |
| 2981 | 15:39:35 | 0,11             | 0,30             | 0,43             | 3,50                      | 3,13                      | 8,78                      | 2,14   | 1,02   | 1,86   | 0,63             |
| 2982 | 15:39:40 | 0,11             | 0,17             | 0,36             | 3,50                      | 3,13                      | 8,78                      | 2,41   | 1,31   | 2,83   | 0,46             |
| 2983 | 15:39:45 | 0,14             | 0,13             | 0,34             | 3,50                      | 3,13                      | 8,78                      | 2,21   | 2,28   | 2,67   | 0,43             |
| 2984 | 15:39:50 | 0,14             | 0,19             | 0,43             | 3,50                      | 3,13                      | 8,78                      | 2,60   | 2,65   | 4,49   | 0,55             |
| 2985 | 15:39:55 | 0,23             | 0,39             | 0,61             | 3,50                      | 3,13                      | 8,78                      | 2,28   | 3,35   | 1,47   | 0,88             |
| 2986 | 15:40:00 | 0,10             | 0,28             | 0,33             | 3,50                      | 3,13                      | 8,78                      | 1,96   | 1,55   | 2,04   | 0,53             |
| 2987 | 15:40:05 | 0,11             | 0,18             | 0,27             | 3,50                      | 3,13                      | 8,78                      | 1,54   | 1,28   | 2,37   | 0,40             |
| 2988 | 15:40:10 | 0,14             | 0,22             | 0,33             | 3,50                      | 3,13                      | 8,78                      | 1,12   | 2,12   | 1,52   | 0,49             |
| 2989 | 15:40:15 | 0,12             | 0,16             | 0,26             | 3,50                      | 3,13                      | 8,78                      | 2,17   | 1,91   | 2,10   | 0,38             |
| 2990 | 15:40:20 | 0,20             | 0,17             | 0,29             | 3,50                      | 3,13                      | 8,78                      | 2,43   | 2,77   | 3,00   | 0,47             |
| 2991 | 15:40:25 | 0,11             | 0,26             | 0,32             | 3,50                      | 3,13                      | 8,78                      | 1,70   | 1,23   | 1,41   | 0,50             |
| 2992 | 15:40:30 | 0,16             | 0,19             | 0,42             | 3,50                      | 3,13                      | 8,78                      | 1,93   | 1,09   | 1,32   | 0,55             |
| 2993 | 15:40:35 | 0,11             | 0,11             | 0,27             | 3,50                      | 3,13                      | 8,78                      | 2,22   | 2,16   | 3,77   | 0,34             |
| 2994 | 15:40:40 | 0,13             | 0,13             | 0,27             | 3,50                      | 3,13                      | 8,78                      | 1,33   | 1,09   | 2,61   | 0,37             |
| 2995 | 15:40:45 | 0,11             | 0,13             | 0,35             | 3,50                      | 3,13                      | 8,78                      | 2,03   | 2,65   | 1,81   | 0,42             |
| 2996 | 15:40:50 | 0,13             | 0,11             | 0,38             | 3,50                      | 3,13                      | 8,78                      | 2,81   | 2,41   | 3,22   | 0,45             |
| 2997 | 15:40:55 | 0,13             | 0,18             | 0,36             | 3,50                      | 3,13                      | 8,78                      | 1,19   | 2,11   | 1,24   | 0,47             |
| 2998 | 15:41:00 | 0,21             | 0,19             | 0,41             | 3,50                      | 3,13                      | 8,78                      | 1,29   | 1,94   | 2,10   | 0,57             |
| 2999 | 15:41:05 | 0,14             | 0,19             | 0,42             | 3,50                      | 3,13                      | 8,78                      | 3,28   | 2,68   | 2,70   | 0,53             |
| 3000 | 15:41:10 | 0,14             | 0,18             | 0,42             | 3,50                      | 3,13                      | 8,78                      | 3,59   | 1,48   | 2,80   | 0,53             |
| 3001 | 15:41:15 | 0,25             | 0,19             | 0,56             | 3,50                      | 3,13                      | 8,78                      | 2,34   | 2,56   | 1,79   | 0,71             |
| 3002 | 15:41:20 | 0,15             | 0,18             | 0,40             | 3,50                      | 3,13                      | 8,78                      | 2,27   | 2,89   | 2,14   | 0,51             |
| 3003 | 15:41:25 | 0,15             | 0,22             | 0,46             | 3,50                      | 3,14                      | 8,78                      | 1,73   | 1,77   | 1,67   | 0,59             |
| 3004 | 15:41:30 | 0,23             | 0,20             | 0,48             | 3,50                      | 3,14                      | 8,78                      | 1,48   | 2,92   | 1,48   | 0,64             |
| 3005 | 15:41:35 | 0,15             | 0,24             | 0,49             | 3,50                      | 3,14                      | 8,78                      | 1,84   | 1,34   | 1,54   | 0,64             |
| 3006 | 15:41:40 | 0,26             | 0,21             | 0,53             | 3,50                      | 3,14                      | 8,78                      | 2,52   | 2,29   | 2,55   | 0,70             |
| 3007 | 15:41:45 | 0,31             | 0,17             | 0,59             | 3,50                      | 3,14                      | 8,78                      | 0,98   | 2,66   | 1,24   | 0,76             |
| 3008 | 15:41:50 | 0,14             | 0,21             | 0,35             | 3,50                      | 3,14                      | 8,78                      | 1,69   | 1,47   | 2,35   | 0,50             |
| 3009 | 15:41:55 | 0,13             | 0,18             | 0,38             | 3,50                      | 3,14                      | 8,78                      | 2,44   | 2,03   | 1,73   | 0,49             |
| 3010 | 15:42:00 | 0,18             | 0,16             | 0,46             | 3,50                      | 3,14                      | 8,78                      | 1,70   | 2,98   | 2,62   | 0,57             |
| 3011 | 15:42:05 | 0,13             | 0,17             | 0,35             | 3,50                      | 3,14                      | 8,78                      | 2,06   | 2,48   | 2,25   | 0,46             |
| 3012 | 15:42:10 | 0,15             | 0,16             | 0,35             | 3,50                      | 3,14                      | 8,78                      | 2,08   | 2,35   | 1,93   | 0,47             |
| 3013 | 15:42:15 | 0,17             | 0,14             | 0,39             | 3,50                      | 3,14                      | 8,78                      | 2,38   | 2,00   | 2,50   | 0,49             |
| 3014 | 15:42:20 | 0,16             | 0,20             | 0,42             | 3,50                      | 3,14                      | 8,78                      | 1,91   | 2,18   | 2,05   | 0,55             |
| 3015 | 15:42:25 | 0,17             | 0,16             | 0,38             | 3,50                      | 3,14                      | 8,78                      | 1,32   | 1,44   | 1,42   | 0,50             |
| 3016 | 15:42:30 | 0,13             | 0,17             | 0,43             | 3,50                      | 3,14                      | 8,79                      | 2,18   | 2,27   | 2,41   | 0,52             |
| 3017 | 15:42:35 | 0,16             | 0,21             | 0,35             | 3,50                      | 3,14                      | 8,79                      | 1,40   | 1,73   | 1,50   | 0,51             |
| 3018 | 15:42:40 | 0,12             | 0,19             | 0,37             | 3,50                      | 3,14                      | 8,79                      | 2,48   | 2,06   | 1,77   | 0,49             |
| 3019 | 15:42:45 | 0,23             | 0,17             | 0,46             | 3,50                      | 3,14                      | 8,79                      | 1,91   | 1,93   | 1,69   | 0,61             |
| 3020 | 15:42:50 | 0,21             | 0,19             | 0,47             | 3,50                      | 3,14                      | 8,79                      | 2,36   | 2,58   | 1,97   | 0,61             |
| 3021 | 15:42:55 | 0,18             | 0,24             | 0,44             | 3,50                      | 3,14                      | 8,79                      | 1,77   | 1,18   | 1,78   | 0,61             |
| 3022 | 15:43:00 | 0,28             | 0,20             | 0,79             | 3,50                      | 3,14                      | 8,79                      | 2,11   | 2,88   | 2,64   | 0,92             |
| 3023 | 15:43:05 | 0,17             | 0,24             | 0,60             | 3,50                      | 3,14                      | 8,79                      | 2,21   | 2,58   | 2,91   | 0,73             |
| 3024 | 15:43:10 | 0,26             | 0,23             | 0,80             | 3,50                      | 3,14                      | 8,79                      | 1,52   | 1,84   | 1,39   | 0,93             |
| 3025 | 15:43:16 | 0,15             | 0,18             | 0,53             | 3,50                      | 3,14                      | 8,79                      | 4,50   | 4,65   | 4,85   | 0,62             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3026 | 15:43:21 | 0,21             | 0,21             | 0,61             | 3,50                      | 3,14                      | 8,79                      | 1,30   | 2,64   | 2,55   | 0,74             |
| 3027 | 15:43:26 | 0,17             | 0,17             | 0,41             | 3,50                      | 3,14                      | 8,79                      | 1,54   | 2,46   | 2,67   | 0,52             |
| 3028 | 15:43:31 | 0,20             | 0,16             | 0,43             | 3,50                      | 3,14                      | 8,79                      | 2,10   | 2,98   | 3,22   | 0,56             |
| 3029 | 15:43:36 | 0,20             | 0,19             | 0,51             | 3,50                      | 3,14                      | 8,79                      | 1,17   | 2,84   | 2,13   | 0,64             |
| 3030 | 15:43:41 | 0,17             | 0,21             | 0,53             | 3,50                      | 3,14                      | 8,79                      | 1,82   | 2,22   | 2,76   | 0,65             |
| 3031 | 15:43:46 | 0,23             | 0,19             | 0,57             | 3,50                      | 3,14                      | 8,80                      | 2,21   | 1,80   | 2,42   | 0,70             |
| 3032 | 15:43:51 | 0,19             | 0,18             | 0,45             | 3,50                      | 3,14                      | 8,80                      | 2,07   | 2,59   | 2,98   | 0,58             |
| 3033 | 15:43:56 | 0,30             | 0,20             | 0,49             | 3,50                      | 3,14                      | 8,80                      | 1,46   | 1,15   | 2,09   | 0,70             |
| 3034 | 15:44:01 | 0,14             | 0,18             | 0,46             | 3,50                      | 3,14                      | 8,80                      | 3,30   | 3,08   | 3,64   | 0,56             |
| 3035 | 15:44:06 | 0,18             | 0,23             | 0,47             | 3,51                      | 3,14                      | 8,80                      | 1,74   | 1,60   | 1,76   | 0,62             |
| 3036 | 15:44:11 | 0,18             | 0,18             | 0,41             | 3,51                      | 3,14                      | 8,80                      | 1,11   | 2,45   | 1,30   | 0,55             |
| 3037 | 15:44:16 | 0,21             | 0,19             | 0,70             | 3,51                      | 3,14                      | 8,80                      | 3,05   | 4,12   | 3,21   | 0,81             |
| 3038 | 15:44:21 | 0,32             | 0,27             | 0,67             | 3,51                      | 3,14                      | 8,80                      | 1,22   | 0,66   | 1,80   | 0,89             |
| 3039 | 15:44:26 | 0,15             | 0,19             | 0,50             | 3,51                      | 3,14                      | 8,80                      | 1,67   | 1,06   | 2,00   | 0,61             |
| 3040 | 15:44:31 | 0,17             | 0,16             | 0,55             | 3,51                      | 3,14                      | 8,80                      | 2,43   | 1,18   | 1,80   | 0,64             |
| 3041 | 15:44:36 | 0,26             | 0,17             | 0,71             | 3,51                      | 3,14                      | 8,80                      | 1,30   | 3,31   | 1,13   | 0,83             |
| 3042 | 15:44:41 | 0,17             | 0,15             | 0,45             | 3,51                      | 3,14                      | 8,80                      | 1,62   | 2,19   | 2,84   | 0,55             |
| 3043 | 15:44:46 | 0,16             | 0,19             | 0,52             | 3,51                      | 3,14                      | 8,80                      | 2,85   | 2,08   | 2,90   | 0,62             |
| 3044 | 15:44:51 | 0,17             | 0,21             | 0,47             | 3,51                      | 3,14                      | 8,80                      | 2,24   | 1,59   | 2,41   | 0,60             |
| 3045 | 15:44:56 | 0,17             | 0,15             | 0,49             | 3,51                      | 3,14                      | 8,80                      | 2,02   | 2,71   | 2,29   | 0,59             |
| 3046 | 15:45:01 | 0,17             | 0,20             | 0,54             | 3,51                      | 3,14                      | 8,80                      | 2,92   | 1,96   | 3,04   | 0,65             |
| 3047 | 15:45:06 | 0,16             | 0,19             | 0,46             | 3,51                      | 3,14                      | 8,80                      | 1,25   | 1,44   | 2,41   | 0,58             |
| 3048 | 15:45:11 | 0,15             | 0,21             | 0,44             | 3,51                      | 3,14                      | 8,80                      | 2,46   | 1,38   | 2,43   | 0,57             |
| 3049 | 15:45:16 | 0,21             | 0,18             | 0,52             | 3,51                      | 3,14                      | 8,80                      | 1,57   | 2,32   | 2,20   | 0,65             |
| 3050 | 15:45:21 | 0,17             | 0,17             | 0,39             | 3,51                      | 3,14                      | 8,80                      | 1,54   | 2,15   | 1,60   | 0,52             |
| 3051 | 15:45:26 | 0,24             | 0,24             | 0,57             | 3,51                      | 3,14                      | 8,80                      | 2,56   | 1,95   | 2,97   | 0,74             |
| 3052 | 15:45:31 | 0,19             | 0,18             | 0,41             | 3,51                      | 3,15                      | 8,81                      | 1,05   | 1,21   | 2,38   | 0,55             |
| 3053 | 15:45:36 | 0,15             | 0,18             | 0,48             | 3,51                      | 3,15                      | 8,81                      | 1,92   | 1,68   | 1,62   | 0,58             |
| 3054 | 15:45:41 | 0,19             | 0,13             | 0,47             | 3,51                      | 3,15                      | 8,81                      | 2,01   | 2,84   | 2,01   | 0,56             |
| 3055 | 15:45:46 | 0,17             | 0,20             | 0,41             | 3,51                      | 3,15                      | 8,81                      | 1,63   | 1,54   | 2,19   | 0,55             |
| 3056 | 15:45:51 | 0,27             | 0,12             | 0,52             | 3,51                      | 3,15                      | 8,81                      | 1,30   | 1,85   | 2,23   | 0,67             |
| 3057 | 15:45:56 | 0,14             | 0,13             | 0,33             | 3,51                      | 3,15                      | 8,81                      | 2,21   | 2,06   | 2,62   | 0,42             |
| 3058 | 15:46:01 | 0,17             | 0,17             | 0,37             | 3,51                      | 3,15                      | 8,81                      | 1,97   | 1,32   | 1,47   | 0,50             |
| 3059 | 15:46:06 | 0,12             | 0,20             | 0,35             | 3,51                      | 3,15                      | 8,81                      | 1,98   | 2,37   | 4,09   | 0,47             |
| 3060 | 15:46:11 | 0,13             | 0,16             | 0,35             | 3,51                      | 3,15                      | 8,81                      | 1,95   | 3,13   | 2,84   | 0,46             |
| 3061 | 15:46:16 | 0,12             | 0,14             | 0,40             | 3,51                      | 3,15                      | 8,81                      | 2,92   | 3,20   | 1,50   | 0,47             |
| 3062 | 15:46:21 | 0,17             | 0,13             | 0,37             | 3,51                      | 3,15                      | 8,81                      | 2,14   | 3,59   | 1,88   | 0,47             |
| 3063 | 15:46:26 | 0,21             | 0,15             | 0,43             | 3,51                      | 3,15                      | 8,81                      | 2,04   | 1,39   | 2,19   | 0,56             |
| 3064 | 15:46:31 | 0,10             | 0,11             | 0,32             | 3,51                      | 3,15                      | 8,81                      | 1,97   | 2,76   | 1,84   | 0,39             |
| 3065 | 15:46:36 | 0,19             | 0,21             | 0,44             | 3,51                      | 3,15                      | 8,81                      | 0,78   | 1,87   | 1,68   | 0,59             |
| 3066 | 15:46:41 | 0,38             | 0,19             | 0,70             | 3,51                      | 3,15                      | 8,81                      | 1,20   | 1,11   | 1,16   | 0,92             |
| 3067 | 15:46:46 | 0,34             | 0,23             | 0,61             | 3,51                      | 3,15                      | 8,81                      | 2,03   | 2,12   | 2,47   | 0,84             |
| 3068 | 15:46:51 | 0,17             | 0,18             | 0,57             | 3,51                      | 3,15                      | 8,81                      | 1,44   | 1,34   | 2,00   | 0,67             |
| 3069 | 15:46:56 | 0,19             | 0,18             | 0,63             | 3,51                      | 3,15                      | 8,81                      | 1,63   | 1,79   | 1,73   | 0,73             |
| 3070 | 15:47:01 | 0,36             | 0,19             | 0,63             | 3,51                      | 3,15                      | 8,81                      | 2,44   | 2,64   | 3,36   | 0,85             |
| 3071 | 15:47:06 | 0,19             | 0,22             | 0,50             | 3,51                      | 3,15                      | 8,81                      | 1,57   | 1,99   | 2,43   | 0,64             |
| 3072 | 15:47:11 | 0,23             | 0,15             | 0,46             | 3,51                      | 3,15                      | 8,81                      | 0,68   | 1,36   | 1,21   | 0,60             |
| 3073 | 15:47:16 | 0,23             | 0,22             | 0,48             | 3,51                      | 3,15                      | 8,81                      | 2,51   | 1,78   | 2,71   | 0,65             |
| 3074 | 15:47:21 | 0,14             | 0,22             | 0,48             | 3,51                      | 3,15                      | 8,81                      | 2,07   | 2,15   | 2,37   | 0,61             |
| 3075 | 15:47:26 | 0,20             | 0,25             | 0,47             | 3,51                      | 3,15                      | 8,81                      | 2,57   | 2,26   | 2,82   | 0,65             |
| 3076 | 15:47:31 | 0,25             | 0,27             | 0,52             | 3,52                      | 3,15                      | 8,81                      | 2,43   | 1,16   | 1,87   | 0,74             |
| 3077 | 15:47:36 | 0,26             | 0,18             | 0,50             | 3,52                      | 3,15                      | 8,81                      | 2,54   | 1,13   | 2,22   | 0,67             |
| 3078 | 15:47:41 | 0,24             | 0,13             | 0,46             | 3,52                      | 3,15                      | 8,81                      | 1,33   | 2,36   | 1,80   | 0,60             |
| 3079 | 15:47:46 | 0,25             | 0,27             | 0,43             | 3,52                      | 3,15                      | 8,81                      | 2,71   | 0,86   | 3,31   | 0,67             |
| 3080 | 15:47:51 | 0,22             | 0,18             | 0,35             | 3,52                      | 3,15                      | 8,81                      | 1,64   | 1,74   | 1,47   | 0,53             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3081 | 15:47:56 | 0,18            | 0,19            | 0,43            | 3,52                     | 3,15                     | 8,81                     | 1,76   | 1,62   | 1,91   | 0,56            |
| 3082 | 15:48:01 | 0,26            | 0,24            | 0,59            | 3,52                     | 3,15                     | 8,82                     | 2,43   | 1,99   | 3,22   | 0,77            |
| 3083 | 15:48:06 | 0,30            | 0,25            | 0,58            | 3,52                     | 3,15                     | 8,82                     | 3,00   | 2,89   | 2,71   | 0,80            |
| 3084 | 15:48:11 | 0,24            | 0,19            | 0,43            | 3,52                     | 3,15                     | 8,82                     | 0,98   | 1,74   | 2,47   | 0,61            |
| 3085 | 15:48:16 | 0,26            | 0,26            | 0,53            | 3,52                     | 3,15                     | 8,82                     | 1,43   | 1,32   | 1,40   | 0,74            |
| 3086 | 15:48:21 | 0,17            | 0,25            | 0,43            | 3,52                     | 3,15                     | 8,82                     | 1,69   | 1,62   | 2,31   | 0,60            |
| 3087 | 15:48:26 | 0,18            | 0,24            | 0,59            | 3,52                     | 3,15                     | 8,82                     | 2,02   | 1,26   | 2,81   | 0,72            |
| 3088 | 15:48:31 | 0,16            | 0,22            | 0,47            | 3,52                     | 3,15                     | 8,82                     | 1,45   | 2,72   | 1,38   | 0,61            |
| 3089 | 15:48:36 | 0,16            | 0,22            | 0,43            | 3,52                     | 3,15                     | 8,82                     | 2,53   | 2,85   | 3,13   | 0,57            |
| 3090 | 15:48:41 | 0,18            | 0,18            | 0,49            | 3,52                     | 3,15                     | 8,82                     | 2,17   | 2,42   | 2,08   | 0,60            |
| 3091 | 15:48:46 | 0,23            | 0,20            | 0,54            | 3,52                     | 3,15                     | 8,82                     | 2,44   | 1,69   | 2,51   | 0,69            |
| 3092 | 15:48:51 | 0,23            | 0,22            | 0,72            | 3,52                     | 3,15                     | 8,82                     | 2,59   | 2,08   | 2,15   | 0,85            |
| 3093 | 15:48:56 | 0,31            | 0,23            | 0,75            | 3,52                     | 3,15                     | 8,82                     | 2,00   | 1,78   | 1,90   | 0,92            |
| 3094 | 15:49:01 | 0,35            | 0,25            | 0,72            | 3,52                     | 3,15                     | 8,82                     | 1,88   | 2,21   | 1,97   | 0,94            |
| 3095 | 15:49:06 | 0,29            | 0,22            | 0,68            | 3,52                     | 3,15                     | 8,82                     | 1,23   | 1,80   | 2,27   | 0,84            |
| 3096 | 15:49:11 | 0,17            | 0,17            | 0,52            | 3,52                     | 3,15                     | 8,82                     | 2,77   | 2,10   | 3,15   | 0,62            |
| 3097 | 15:49:16 | 0,21            | 0,19            | 0,50            | 3,52                     | 3,15                     | 8,82                     | 2,12   | 2,07   | 2,91   | 0,64            |
| 3098 | 15:49:21 | 0,21            | 0,18            | 0,57            | 3,52                     | 3,15                     | 8,82                     | 1,10   | 2,41   | 1,55   | 0,69            |
| 3099 | 15:49:26 | 0,18            | 0,21            | 0,49            | 3,52                     | 3,15                     | 8,82                     | 2,03   | 2,09   | 3,62   | 0,62            |
| 3100 | 15:49:31 | 0,33            | 0,20            | 0,71            | 3,52                     | 3,15                     | 8,83                     | 1,53   | 3,65   | 2,36   | 0,89            |
| 3101 | 15:49:36 | 0,18            | 0,19            | 0,57            | 3,52                     | 3,15                     | 8,83                     | 2,51   | 2,11   | 1,93   | 0,68            |
| 3102 | 15:49:41 | 0,24            | 0,18            | 0,50            | 3,52                     | 3,15                     | 8,83                     | 2,42   | 2,20   | 3,54   | 0,65            |
| 3103 | 15:49:46 | 0,23            | 0,19            | 0,50            | 3,52                     | 3,16                     | 8,83                     | 2,09   | 3,11   | 3,00   | 0,66            |
| 3104 | 15:49:51 | 0,15            | 0,17            | 0,36            | 3,52                     | 3,16                     | 8,83                     | 1,62   | 1,71   | 2,91   | 0,48            |
| 3105 | 15:49:56 | 0,22            | 0,20            | 0,52            | 3,52                     | 3,16                     | 8,83                     | 1,79   | 2,07   | 1,90   | 0,66            |
| 3106 | 15:50:01 | 0,14            | 0,18            | 0,40            | 3,52                     | 3,16                     | 8,83                     | 1,06   | 2,25   | 2,09   | 0,52            |
| 3107 | 15:50:06 | 0,13            | 0,23            | 0,42            | 3,52                     | 3,16                     | 8,83                     | 2,21   | 2,07   | 3,23   | 0,56            |
| 3108 | 15:50:11 | 0,18            | 0,18            | 0,47            | 3,52                     | 3,16                     | 8,83                     | 3,20   | 2,39   | 3,33   | 0,59            |
| 3109 | 15:50:16 | 0,21            | 0,23            | 0,46            | 3,52                     | 3,16                     | 8,83                     | 1,34   | 1,75   | 1,39   | 0,63            |
| 3110 | 15:50:21 | 0,19            | 0,19            | 0,50            | 3,52                     | 3,16                     | 8,83                     | 2,04   | 2,15   | 1,51   | 0,63            |
| 3111 | 15:50:26 | 0,15            | 0,17            | 0,37            | 3,52                     | 3,16                     | 8,83                     | 2,51   | 1,97   | 2,12   | 0,49            |
| 3112 | 15:50:31 | 0,25            | 0,20            | 0,50            | 3,52                     | 3,16                     | 8,83                     | 1,36   | 1,54   | 2,08   | 0,67            |
| 3113 | 15:50:36 | 0,21            | 0,16            | 0,47            | 3,52                     | 3,16                     | 8,83                     | 2,57   | 2,19   | 2,46   | 0,60            |
| 3114 | 15:50:41 | 0,24            | 0,20            | 0,49            | 3,52                     | 3,16                     | 8,83                     | 1,87   | 2,25   | 1,75   | 0,66            |
| 3115 | 15:50:46 | 0,22            | 0,19            | 0,53            | 3,52                     | 3,16                     | 8,83                     | 2,91   | 1,42   | 2,86   | 0,67            |
| 3116 | 15:50:51 | 0,22            | 0,16            | 0,39            | 3,53                     | 3,16                     | 8,83                     | 1,33   | 0,78   | 1,76   | 0,55            |
| 3117 | 15:50:56 | 0,21            | 0,16            | 0,49            | 3,53                     | 3,16                     | 8,83                     | 2,48   | 2,58   | 2,87   | 0,62            |
| 3118 | 15:51:01 | 0,17            | 0,18            | 0,52            | 3,53                     | 3,16                     | 8,83                     | 1,71   | 2,18   | 2,91   | 0,62            |
| 3119 | 15:51:06 | 0,17            | 0,20            | 0,44            | 3,53                     | 3,16                     | 8,83                     | 1,35   | 2,19   | 1,52   | 0,57            |
| 3120 | 15:51:11 | 0,27            | 0,20            | 0,53            | 3,53                     | 3,16                     | 8,83                     | 1,58   | 1,40   | 2,56   | 0,71            |
| 3121 | 15:51:16 | 0,26            | 0,16            | 0,55            | 3,53                     | 3,16                     | 8,83                     | 2,04   | 2,60   | 2,27   | 0,70            |
| 3122 | 15:51:21 | 0,21            | 0,20            | 0,42            | 3,53                     | 3,16                     | 8,83                     | 1,12   | 2,72   | 1,48   | 0,59            |
| 3123 | 15:51:26 | 0,16            | 0,23            | 0,37            | 3,53                     | 3,16                     | 8,83                     | 1,73   | 0,69   | 1,89   | 0,54            |
| 3124 | 15:51:31 | 0,12            | 0,19            | 0,30            | 3,53                     | 3,16                     | 8,83                     | 1,44   | 1,21   | 2,75   | 0,44            |
| 3125 | 15:51:36 | 0,16            | 0,13            | 0,34            | 3,53                     | 3,16                     | 8,83                     | 2,07   | 1,27   | 1,75   | 0,45            |
| 3126 | 15:51:41 | 0,16            | 0,19            | 0,37            | 3,53                     | 3,16                     | 8,83                     | 2,11   | 0,91   | 1,69   | 0,50            |
| 3127 | 15:51:46 | 0,14            | 0,15            | 0,34            | 3,53                     | 3,16                     | 8,83                     | 2,53   | 2,67   | 2,26   | 0,45            |
| 3128 | 15:51:51 | 0,21            | 0,23            | 0,44            | 3,53                     | 3,16                     | 8,83                     | 2,07   | 2,02   | 2,13   | 0,62            |
| 3129 | 15:51:56 | 0,23            | 0,17            | 0,52            | 3,53                     | 3,16                     | 8,83                     | 2,24   | 2,16   | 2,58   | 0,66            |
| 3130 | 15:52:01 | 0,24            | 0,22            | 0,55            | 3,53                     | 3,16                     | 8,83                     | 1,35   | 1,71   | 2,14   | 0,72            |
| 3131 | 15:52:06 | 0,14            | 0,14            | 0,54            | 3,53                     | 3,16                     | 8,83                     | 3,77   | 2,24   | 2,44   | 0,61            |
| 3132 | 15:52:11 | 0,24            | 0,16            | 0,49            | 3,53                     | 3,16                     | 8,83                     | 1,03   | 1,67   | 1,40   | 0,63            |
| 3133 | 15:52:16 | 0,15            | 0,19            | 0,35            | 3,53                     | 3,16                     | 8,83                     | 1,90   | 1,66   | 2,04   | 0,49            |
| 3134 | 15:52:21 | 0,44            | 0,32            | 0,87            | 3,53                     | 3,16                     | 8,84                     | 1,64   | 2,15   | 1,08   | 1,15            |
| 3135 | 15:52:26 | 0,23            | 0,13            | 0,44            | 3,53                     | 3,16                     | 8,84                     | 1,94   | 2,69   | 2,79   | 0,58            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3136 | 15:52:31 | 0,20            | 0,16            | 0,50            | 3,53                     | 3,16                     | 8,84                     | 1,90   | 2,43   | 2,29   | 0,62            |
| 3137 | 15:52:36 | 0,30            | 0,19            | 0,56            | 3,53                     | 3,16                     | 8,84                     | 1,26   | 1,38   | 1,89   | 0,75            |
| 3138 | 15:52:41 | 0,17            | 0,16            | 0,40            | 3,54                     | 3,16                     | 8,84                     | 1,46   | 1,23   | 2,38   | 0,51            |
| 3139 | 15:52:46 | 0,15            | 0,15            | 0,35            | 3,54                     | 3,16                     | 8,84                     | 2,26   | 1,60   | 1,96   | 0,45            |
| 3140 | 15:52:51 | 0,26            | 0,18            | 0,48            | 3,54                     | 3,16                     | 8,84                     | 2,75   | 2,34   | 2,75   | 0,65            |
| 3141 | 15:52:56 | 0,16            | 0,12            | 0,28            | 3,54                     | 3,16                     | 8,84                     | 1,68   | 1,03   | 1,78   | 0,39            |
| 3142 | 15:53:01 | 0,13            | 0,18            | 0,28            | 3,54                     | 3,16                     | 8,84                     | 1,63   | 1,68   | 2,25   | 0,42            |
| 3143 | 15:53:06 | 0,11            | 0,08            | 0,26            | 3,54                     | 3,16                     | 8,84                     | 2,55   | 2,49   | 3,47   | 0,32            |
| 3144 | 15:53:11 | 0,12            | 0,15            | 0,28            | 3,54                     | 3,16                     | 8,84                     | 1,28   | 1,66   | 2,58   | 0,39            |
| 3145 | 15:53:16 | 0,14            | 0,16            | 0,32            | 3,54                     | 3,16                     | 8,84                     | 1,83   | 2,73   | 1,36   | 0,44            |
| 3146 | 15:53:21 | 0,14            | 0,12            | 0,31            | 3,54                     | 3,16                     | 8,84                     | 1,82   | 1,72   | 2,22   | 0,40            |
| 3147 | 15:53:26 | 0,17            | 0,16            | 0,36            | 3,54                     | 3,16                     | 8,84                     | 2,53   | 1,66   | 1,66   | 0,49            |
| 3148 | 15:53:31 | 0,19            | 0,15            | 0,30            | 3,54                     | 3,16                     | 8,84                     | 1,50   | 2,10   | 2,29   | 0,45            |
| 3149 | 15:53:36 | 0,20            | 0,16            | 0,41            | 3,54                     | 3,16                     | 8,84                     | 2,26   | 2,92   | 2,52   | 0,54            |
| 3150 | 15:53:41 | 0,18            | 0,19            | 0,43            | 3,54                     | 3,16                     | 8,84                     | 1,86   | 1,72   | 1,80   | 0,57            |
| 3151 | 15:53:46 | 0,17            | 0,17            | 0,42            | 3,54                     | 3,16                     | 8,84                     | 2,62   | 2,03   | 2,42   | 0,54            |
| 3152 | 15:53:51 | 0,16            | 0,27            | 0,55            | 3,54                     | 3,16                     | 8,84                     | 2,50   | 1,75   | 1,64   | 0,71            |
| 3153 | 15:53:56 | 0,11            | 0,13            | 0,35            | 3,54                     | 3,16                     | 8,84                     | 2,63   | 1,56   | 1,45   | 0,42            |
| 3154 | 15:54:01 | 0,19            | 0,14            | 0,49            | 3,54                     | 3,16                     | 8,84                     | 2,10   | 3,38   | 1,71   | 0,59            |
| 3155 | 15:54:06 | 0,19            | 0,14            | 0,44            | 3,54                     | 3,16                     | 8,84                     | 1,36   | 1,73   | 2,08   | 0,55            |
| 3156 | 15:54:11 | 0,24            | 0,21            | 0,62            | 3,54                     | 3,16                     | 8,84                     | 2,25   | 2,94   | 2,06   | 0,76            |
| 3157 | 15:54:16 | 0,26            | 0,16            | 0,59            | 3,54                     | 3,16                     | 8,84                     | 1,75   | 1,77   | 2,22   | 0,73            |
| 3158 | 15:54:21 | 0,15            | 0,21            | 0,51            | 3,54                     | 3,16                     | 8,84                     | 2,02   | 1,64   | 2,31   | 0,62            |
| 3159 | 15:54:26 | 0,17            | 0,16            | 0,56            | 3,54                     | 3,16                     | 8,84                     | 2,65   | 2,40   | 3,69   | 0,65            |
| 3160 | 15:54:31 | 0,26            | 0,17            | 0,56            | 3,54                     | 3,16                     | 8,84                     | 3,56   | 2,43   | 3,50   | 0,71            |
| 3161 | 15:54:36 | 0,34            | 0,20            | 0,66            | 3,54                     | 3,16                     | 8,85                     | 1,30   | 1,63   | 1,53   | 0,86            |
| 3162 | 15:54:41 | 0,24            | 0,18            | 0,60            | 3,54                     | 3,16                     | 8,85                     | 1,45   | 2,02   | 2,44   | 0,73            |
| 3163 | 15:54:46 | 0,25            | 0,22            | 0,57            | 3,54                     | 3,16                     | 8,85                     | 1,09   | 1,49   | 2,45   | 0,73            |
| 3164 | 15:54:51 | 0,21            | 0,20            | 0,55            | 3,54                     | 3,16                     | 8,85                     | 2,25   | 1,65   | 2,92   | 0,68            |
| 3165 | 15:54:56 | 0,20            | 0,19            | 0,57            | 3,54                     | 3,16                     | 8,85                     | 3,22   | 3,90   | 2,13   | 0,69            |
| 3166 | 15:55:01 | 0,21            | 0,23            | 0,58            | 3,54                     | 3,16                     | 8,85                     | 2,02   | 2,34   | 2,48   | 0,72            |
| 3167 | 15:55:06 | 0,17            | 0,23            | 0,51            | 3,54                     | 3,16                     | 8,85                     | 2,35   | 3,01   | 2,00   | 0,65            |
| 3168 | 15:55:11 | 0,30            | 0,24            | 0,77            | 3,54                     | 3,16                     | 8,85                     | 1,27   | 1,93   | 1,79   | 0,94            |
| 3169 | 15:55:17 | 0,24            | 0,25            | 0,69            | 3,54                     | 3,16                     | 8,85                     | 1,40   | 1,55   | 1,46   | 0,85            |
| 3170 | 15:55:22 | 0,29            | 0,23            | 0,63            | 3,54                     | 3,16                     | 8,85                     | 2,19   | 2,09   | 3,12   | 0,82            |
| 3171 | 15:55:27 | 0,18            | 0,24            | 0,41            | 3,54                     | 3,16                     | 8,85                     | 1,62   | 1,28   | 1,94   | 0,59            |
| 3172 | 15:55:32 | 0,27            | 0,24            | 0,57            | 3,54                     | 3,17                     | 8,85                     | 2,04   | 1,47   | 2,35   | 0,76            |
| 3173 | 15:55:37 | 0,15            | 0,17            | 0,40            | 3,54                     | 3,17                     | 8,85                     | 1,67   | 2,94   | 1,64   | 0,51            |
| 3174 | 15:55:42 | 0,19            | 0,19            | 0,54            | 3,54                     | 3,17                     | 8,85                     | 2,18   | 2,31   | 2,23   | 0,66            |
| 3175 | 15:55:47 | 0,14            | 0,18            | 0,39            | 3,54                     | 3,17                     | 8,85                     | 1,91   | 2,02   | 1,71   | 0,50            |
| 3176 | 15:55:52 | 0,13            | 0,21            | 0,38            | 3,54                     | 3,17                     | 8,85                     | 2,27   | 1,43   | 1,88   | 0,51            |
| 3177 | 15:55:57 | 0,21            | 0,14            | 0,46            | 3,54                     | 3,17                     | 8,85                     | 2,39   | 2,24   | 2,58   | 0,57            |
| 3178 | 15:56:02 | 0,26            | 0,18            | 0,53            | 3,54                     | 3,17                     | 8,85                     | 1,04   | 2,91   | 1,35   | 0,69            |
| 3179 | 15:56:07 | 0,22            | 0,22            | 0,44            | 3,54                     | 3,17                     | 8,85                     | 1,35   | 1,28   | 2,07   | 0,61            |
| 3180 | 15:56:12 | 0,14            | 0,19            | 0,36            | 3,54                     | 3,17                     | 8,85                     | 1,60   | 1,29   | 2,65   | 0,48            |
| 3181 | 15:56:17 | 0,15            | 0,14            | 0,40            | 3,54                     | 3,17                     | 8,85                     | 1,91   | 2,66   | 2,49   | 0,49            |
| 3182 | 15:56:22 | 0,14            | 0,15            | 0,36            | 3,54                     | 3,17                     | 8,86                     | 2,40   | 1,61   | 2,52   | 0,46            |
| 3183 | 15:56:27 | 0,16            | 0,15            | 0,34            | 3,54                     | 3,17                     | 8,86                     | 2,07   | 1,32   | 1,91   | 0,46            |
| 3184 | 15:56:32 | 0,16            | 0,10            | 0,38            | 3,54                     | 3,17                     | 8,86                     | 1,83   | 2,78   | 2,25   | 0,47            |
| 3185 | 15:56:37 | 0,15            | 0,10            | 0,27            | 3,54                     | 3,17                     | 8,86                     | 1,44   | 2,30   | 2,14   | 0,37            |
| 3186 | 15:56:42 | 0,09            | 0,17            | 0,38            | 3,54                     | 3,17                     | 8,86                     | 3,16   | 2,36   | 1,91   | 0,46            |
| 3187 | 15:56:47 | 0,11            | 0,15            | 0,33            | 3,54                     | 3,17                     | 8,86                     | 1,97   | 1,85   | 1,88   | 0,43            |
| 3188 | 15:56:52 | 0,12            | 0,17            | 0,33            | 3,54                     | 3,17                     | 8,86                     | 2,03   | 1,43   | 2,58   | 0,44            |
| 3189 | 15:56:57 | 0,16            | 0,19            | 0,39            | 3,54                     | 3,17                     | 8,86                     | 2,09   | 2,42   | 2,01   | 0,52            |
| 3190 | 15:57:02 | 0,14            | 0,16            | 0,38            | 3,54                     | 3,17                     | 8,86                     | 3,16   | 3,51   | 2,40   | 0,49            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3191 | 15:57:07 | 0,20            | 0,20            | 0,50            | 3,54                     | 3,17                     | 8,86                     | 2,46   | 1,65   | 2,80   | 0,64            |
| 3192 | 15:57:12 | 0,24            | 0,17            | 0,50            | 3,54                     | 3,17                     | 8,86                     | 1,25   | 1,34   | 1,60   | 0,64            |
| 3193 | 15:57:17 | 0,30            | 0,15            | 0,58            | 3,54                     | 3,17                     | 8,86                     | 1,92   | 2,72   | 1,76   | 0,75            |
| 3194 | 15:57:22 | 0,16            | 0,24            | 0,38            | 3,54                     | 3,17                     | 8,86                     | 2,56   | 3,58   | 2,69   | 0,55            |
| 3195 | 15:57:27 | 0,17            | 0,33            | 0,41            | 3,54                     | 3,17                     | 8,86                     | 2,06   | 2,11   | 2,42   | 0,66            |
| 3196 | 15:57:32 | 0,23            | 0,24            | 0,47            | 3,54                     | 3,17                     | 8,86                     | 1,77   | 1,93   | 2,27   | 0,67            |
| 3197 | 15:57:37 | 0,28            | 0,20            | 0,54            | 3,55                     | 3,17                     | 8,86                     | 1,49   | 2,03   | 1,94   | 0,72            |
| 3198 | 15:57:42 | 0,19            | 0,19            | 0,41            | 3,55                     | 3,17                     | 8,86                     | 1,99   | 2,70   | 2,11   | 0,56            |
| 3199 | 15:57:47 | 0,17            | 0,11            | 0,40            | 3,55                     | 3,17                     | 8,86                     | 1,32   | 2,95   | 1,52   | 0,49            |
| 3200 | 15:57:52 | 0,17            | 0,16            | 0,43            | 3,55                     | 3,17                     | 8,86                     | 2,21   | 2,38   | 2,24   | 0,54            |
| 3201 | 15:57:57 | 0,18            | 0,16            | 0,40            | 3,55                     | 3,17                     | 8,86                     | 0,69   | 1,29   | 1,11   | 0,53            |
| 3202 | 15:58:02 | 0,17            | 0,20            | 0,38            | 3,55                     | 3,17                     | 8,86                     | 2,73   | 1,85   | 2,01   | 0,53            |
| 3203 | 15:58:07 | 0,27            | 0,16            | 0,48            | 3,55                     | 3,17                     | 8,86                     | 1,07   | 1,96   | 1,56   | 0,65            |
| 3204 | 15:58:12 | 0,16            | 0,12            | 0,43            | 3,55                     | 3,17                     | 8,86                     | 2,16   | 2,56   | 2,83   | 0,52            |
| 3205 | 15:58:17 | 0,13            | 0,17            | 0,33            | 3,55                     | 3,17                     | 8,86                     | 1,39   | 2,45   | 1,74   | 0,44            |
| 3206 | 15:58:22 | 0,10            | 0,18            | 0,33            | 3,55                     | 3,17                     | 8,86                     | 2,77   | 3,65   | 2,35   | 0,44            |
| 3207 | 15:58:27 | 0,11            | 0,20            | 0,32            | 3,55                     | 3,17                     | 8,86                     | 2,44   | 0,80   | 1,90   | 0,46            |
| 3208 | 15:58:32 | 0,15            | 0,16            | 0,26            | 3,55                     | 3,17                     | 8,86                     | 2,60   | 2,49   | 2,95   | 0,41            |
| 3209 | 15:58:37 | 0,14            | 0,11            | 0,27            | 3,55                     | 3,17                     | 8,86                     | 2,20   | 1,96   | 2,79   | 0,37            |
| 3210 | 15:58:42 | 0,13            | 0,15            | 0,32            | 3,55                     | 3,17                     | 8,86                     | 1,70   | 1,70   | 1,41   | 0,43            |
| 3211 | 15:58:47 | 0,12            | 0,20            | 0,33            | 3,55                     | 3,17                     | 8,86                     | 2,79   | 1,44   | 2,26   | 0,46            |
| 3212 | 15:58:52 | 0,17            | 0,18            | 0,46            | 3,55                     | 3,17                     | 8,86                     | 1,46   | 2,35   | 1,00   | 0,58            |
| 3213 | 15:58:57 | 0,17            | 0,17            | 0,30            | 3,55                     | 3,17                     | 8,86                     | 2,91   | 1,79   | 2,44   | 0,45            |
| 3214 | 15:59:02 | 0,26            | 0,15            | 0,35            | 3,55                     | 3,17                     | 8,86                     | 1,33   | 1,84   | 2,02   | 0,55            |
| 3215 | 15:59:07 | 0,23            | 0,23            | 0,43            | 3,55                     | 3,17                     | 8,86                     | 2,41   | 2,62   | 2,67   | 0,63            |
| 3216 | 15:59:12 | 0,15            | 0,16            | 0,32            | 3,55                     | 3,17                     | 8,86                     | 2,05   | 1,84   | 3,75   | 0,44            |
| 3217 | 15:59:17 | 0,18            | 0,23            | 0,32            | 3,55                     | 3,17                     | 8,86                     | 3,18   | 1,78   | 2,81   | 0,52            |
| 3218 | 15:59:22 | 0,13            | 0,21            | 0,31            | 3,55                     | 3,17                     | 8,86                     | 2,32   | 1,24   | 2,61   | 0,47            |
| 3219 | 15:59:27 | 0,31            | 0,21            | 0,55            | 3,55                     | 3,17                     | 8,86                     | 0,69   | 1,00   | 1,02   | 0,76            |
| 3220 | 15:59:32 | 0,13            | 0,12            | 0,34            | 3,55                     | 3,17                     | 8,86                     | 1,27   | 2,77   | 2,13   | 0,41            |
| 3221 | 15:59:37 | 0,17            | 0,18            | 0,45            | 3,55                     | 3,17                     | 8,86                     | 1,60   | 2,09   | 1,55   | 0,57            |
| 3222 | 15:59:42 | 0,12            | 0,15            | 0,33            | 3,55                     | 3,17                     | 8,86                     | 1,66   | 1,75   | 2,08   | 0,42            |
| 3223 | 15:59:47 | 0,24            | 0,14            | 0,50            | 3,55                     | 3,17                     | 8,86                     | 2,24   | 2,66   | 2,69   | 0,63            |
| 3224 | 15:59:52 | 0,20            | 0,20            | 0,46            | 3,55                     | 3,17                     | 8,86                     | 2,05   | 1,00   | 2,14   | 0,60            |
| 3225 | 15:59:57 | 0,27            | 0,22            | 0,60            | 3,55                     | 3,17                     | 8,86                     | 2,23   | 2,36   | 1,61   | 0,77            |
| 3226 | 16:00:02 | 0,19            | 0,18            | 0,36            | 3,55                     | 3,17                     | 8,86                     | 1,96   | 2,04   | 2,22   | 0,51            |
| 3227 | 16:00:07 | 0,25            | 0,19            | 0,55            | 3,55                     | 3,17                     | 8,86                     | 0,90   | 2,22   | 1,73   | 0,70            |
| 3228 | 16:00:12 | 0,14            | 0,15            | 0,38            | 3,55                     | 3,17                     | 8,86                     | 2,30   | 2,46   | 3,50   | 0,47            |
| 3229 | 16:00:17 | 0,16            | 0,17            | 0,51            | 3,55                     | 3,17                     | 8,86                     | 2,07   | 1,88   | 3,32   | 0,60            |
| 3230 | 16:00:22 | 0,16            | 0,15            | 0,46            | 3,55                     | 3,17                     | 8,86                     | 1,55   | 1,88   | 2,07   | 0,55            |
| 3231 | 16:00:27 | 0,18            | 0,14            | 0,38            | 3,55                     | 3,17                     | 8,86                     | 1,48   | 2,28   | 2,22   | 0,50            |
| 3232 | 16:00:32 | 0,13            | 0,16            | 0,37            | 3,55                     | 3,17                     | 8,86                     | 2,26   | 2,99   | 3,49   | 0,46            |
| 3233 | 16:00:37 | 0,34            | 0,25            | 0,66            | 3,55                     | 3,17                     | 8,86                     | 2,34   | 1,89   | 2,22   | 0,89            |
| 3234 | 16:00:42 | 0,19            | 0,19            | 0,47            | 3,55                     | 3,17                     | 8,86                     | 1,26   | 1,95   | 1,53   | 0,61            |
| 3235 | 16:00:47 | 0,18            | 0,15            | 0,48            | 3,55                     | 3,17                     | 8,86                     | 1,99   | 2,05   | 1,54   | 0,58            |
| 3236 | 16:00:52 | 0,29            | 0,19            | 0,59            | 3,55                     | 3,17                     | 8,87                     | 2,14   | 3,14   | 2,62   | 0,76            |
| 3237 | 16:00:57 | 0,24            | 0,19            | 0,46            | 3,55                     | 3,17                     | 8,87                     | 1,84   | 2,37   | 2,13   | 0,62            |
| 3238 | 16:01:02 | 0,22            | 0,20            | 0,46            | 3,55                     | 3,17                     | 8,87                     | 1,35   | 1,50   | 1,62   | 0,62            |
| 3239 | 16:01:07 | 0,18            | 0,19            | 0,49            | 3,55                     | 3,17                     | 8,87                     | 1,96   | 2,91   | 1,76   | 0,62            |
| 3240 | 16:01:12 | 0,43            | 0,14            | 0,80            | 3,55                     | 3,17                     | 8,87                     | 2,21   | 1,84   | 2,37   | 1,03            |
| 3241 | 16:01:17 | 0,32            | 0,19            | 0,61            | 3,56                     | 3,17                     | 8,87                     | 1,02   | 1,59   | 1,69   | 0,81            |
| 3242 | 16:01:22 | 0,42            | 0,27            | 0,76            | 3,56                     | 3,18                     | 8,87                     | 1,28   | 3,07   | 1,69   | 1,03            |
| 3243 | 16:01:27 | 0,27            | 0,17            | 0,60            | 3,56                     | 3,18                     | 8,87                     | 1,27   | 2,76   | 1,98   | 0,75            |
| 3244 | 16:01:32 | 0,43            | 0,21            | 0,77            | 3,56                     | 3,18                     | 8,87                     | 0,66   | 1,13   | 0,69   | 1,02            |
| 3245 | 16:01:37 | 0,26            | 0,24            | 0,60            | 3,56                     | 3,18                     | 8,87                     | 3,65   | 1,92   | 3,15   | 0,78            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3246 | 16:01:42 | 0,26            | 0,24            | 0,56            | 3,56                     | 3,18                     | 8,88                     | 1,21   | 1,22   | 1,48   | 0,74            |
| 3247 | 16:01:47 | 0,20            | 0,16            | 0,53            | 3,56                     | 3,18                     | 8,88                     | 1,16   | 2,24   | 1,61   | 0,64            |
| 3248 | 16:01:52 | 0,22            | 0,19            | 0,46            | 3,56                     | 3,18                     | 8,88                     | 2,00   | 2,69   | 2,04   | 0,61            |
| 3249 | 16:01:57 | 0,17            | 0,14            | 0,38            | 3,56                     | 3,18                     | 8,88                     | 1,37   | 1,68   | 1,91   | 0,49            |
| 3250 | 16:02:02 | 0,20            | 0,17            | 0,45            | 3,56                     | 3,18                     | 8,88                     | 2,42   | 2,73   | 2,47   | 0,58            |
| 3251 | 16:02:07 | 0,19            | 0,21            | 0,45            | 3,56                     | 3,18                     | 8,88                     | 0,70   | 1,81   | 1,87   | 0,60            |
| 3252 | 16:02:12 | 0,23            | 0,17            | 0,54            | 3,56                     | 3,18                     | 8,88                     | 1,67   | 3,03   | 1,26   | 0,67            |
| 3253 | 16:02:17 | 0,22            | 0,22            | 0,46            | 3,56                     | 3,18                     | 8,88                     | 2,87   | 2,33   | 2,98   | 0,64            |
| 3254 | 16:02:22 | 0,20            | 0,22            | 0,37            | 3,56                     | 3,18                     | 8,88                     | 3,00   | 1,56   | 1,87   | 0,56            |
| 3255 | 16:02:27 | 0,23            | 0,16            | 0,40            | 3,56                     | 3,18                     | 8,88                     | 1,20   | 1,63   | 1,53   | 0,56            |
| 3256 | 16:02:32 | 0,09            | 0,18            | 0,28            | 3,56                     | 3,18                     | 8,88                     | 2,33   | 2,26   | 3,20   | 0,40            |
| 3257 | 16:02:37 | 0,11            | 0,12            | 0,28            | 3,56                     | 3,18                     | 8,88                     | 1,99   | 0,99   | 2,50   | 0,36            |
| 3258 | 16:02:42 | 0,13            | 0,22            | 0,24            | 3,56                     | 3,18                     | 8,88                     | 1,89   | 3,16   | 1,94   | 0,43            |
| 3259 | 16:02:47 | 0,40            | 0,25            | 0,31            | 3,57                     | 3,18                     | 8,88                     | 2,26   | 3,03   | 2,35   | 0,73            |
| 3260 | 16:02:52 | 0,44            | 0,22            | 0,32            | 3,57                     | 3,18                     | 8,88                     | 0,91   | 1,21   | 1,79   | 0,76            |
| 3261 | 16:02:57 | 0,29            | 0,16            | 0,55            | 3,57                     | 3,18                     | 8,88                     | 2,13   | 2,98   | 0,71   | 0,72            |
| 3262 | 16:03:02 | 0,16            | 0,14            | 0,29            | 3,57                     | 3,18                     | 8,88                     | 2,17   | 0,85   | 2,05   | 0,41            |
| 3263 | 16:03:07 | 0,14            | 0,11            | 0,42            | 3,57                     | 3,18                     | 8,88                     | 1,79   | 1,76   | 1,89   | 0,49            |
| 3264 | 16:03:12 | 0,08            | 0,15            | 0,30            | 3,57                     | 3,18                     | 8,88                     | 3,24   | 2,35   | 3,27   | 0,38            |
| 3265 | 16:03:17 | 0,08            | 0,14            | 0,35            | 3,57                     | 3,18                     | 8,88                     | 2,40   | 1,56   | 3,34   | 0,42            |
| 3266 | 16:03:22 | 0,18            | 0,14            | 0,48            | 3,57                     | 3,18                     | 8,88                     | 1,87   | 2,20   | 2,04   | 0,58            |
| 3267 | 16:03:27 | 0,18            | 0,20            | 0,40            | 3,57                     | 3,18                     | 8,88                     | 2,21   | 2,49   | 2,69   | 0,55            |
| 3268 | 16:03:32 | 0,15            | 0,23            | 0,37            | 3,57                     | 3,18                     | 8,88                     | 2,85   | 1,54   | 1,84   | 0,53            |
| 3269 | 16:03:37 | 0,13            | 0,33            | 0,42            | 3,57                     | 3,18                     | 8,88                     | 3,52   | 1,76   | 2,30   | 0,65            |
| 3270 | 16:03:42 | 0,20            | 0,15            | 0,31            | 3,57                     | 3,18                     | 8,88                     | 1,40   | 2,38   | 2,69   | 0,46            |
| 3271 | 16:03:47 | 0,10            | 0,11            | 0,39            | 3,57                     | 3,18                     | 8,88                     | 1,63   | 1,87   | 2,03   | 0,44            |
| 3272 | 16:03:52 | 0,21            | 0,14            | 0,31            | 3,57                     | 3,18                     | 8,88                     | 1,44   | 2,99   | 2,09   | 0,47            |
| 3273 | 16:03:57 | 0,10            | 0,16            | 0,30            | 3,57                     | 3,18                     | 8,88                     | 2,20   | 1,13   | 2,18   | 0,40            |
| 3274 | 16:04:02 | 0,08            | 0,12            | 0,30            | 3,57                     | 3,18                     | 8,88                     | 3,66   | 1,63   | 2,14   | 0,36            |
| 3275 | 16:04:07 | 0,10            | 0,09            | 0,27            | 3,57                     | 3,18                     | 8,88                     | 2,75   | 2,56   | 2,71   | 0,33            |
| 3276 | 16:04:12 | 0,11            | 0,10            | 0,38            | 3,57                     | 3,18                     | 8,88                     | 2,40   | 2,19   | 2,29   | 0,44            |
| 3277 | 16:04:17 | 0,09            | 0,11            | 0,33            | 3,57                     | 3,18                     | 8,88                     | 2,26   | 2,12   | 2,43   | 0,38            |
| 3278 | 16:04:22 | 0,13            | 0,13            | 0,35            | 3,57                     | 3,18                     | 8,88                     | 1,87   | 2,44   | 1,94   | 0,44            |
| 3279 | 16:04:27 | 0,07            | 0,10            | 0,21            | 3,57                     | 3,18                     | 8,88                     | 1,47   | 2,51   | 2,42   | 0,27            |
| 3280 | 16:04:32 | 0,06            | 0,12            | 0,33            | 3,57                     | 3,18                     | 8,88                     | 2,77   | 2,17   | 2,10   | 0,39            |
| 3281 | 16:04:37 | 0,19            | 0,12            | 0,35            | 3,57                     | 3,18                     | 8,88                     | 1,00   | 1,67   | 2,01   | 0,47            |
| 3282 | 16:04:42 | 0,19            | 0,16            | 0,43            | 3,57                     | 3,18                     | 8,88                     | 4,14   | 4,55   | 3,93   | 0,56            |
| 3283 | 16:04:47 | 0,32            | 0,46            | 0,60            | 3,57                     | 3,19                     | 8,88                     | 1,08   | 0,56   | 1,02   | 0,99            |
| 3284 | 16:04:52 | 0,20            | 0,11            | 0,21            | 3,57                     | 3,19                     | 8,88                     | 1,42   | 1,18   | 2,97   | 0,38            |
| 3285 | 16:04:57 | 0,18            | 0,11            | 0,28            | 3,57                     | 3,19                     | 8,88                     | 2,56   | 4,41   | 4,11   | 0,41            |
| 3286 | 16:05:02 | 0,28            | 0,27            | 0,46            | 3,57                     | 3,19                     | 8,88                     | 2,32   | 1,05   | 1,75   | 0,71            |
| 3287 | 16:05:07 | 0,13            | 0,15            | 0,33            | 3,57                     | 3,19                     | 8,88                     | 1,50   | 1,96   | 1,62   | 0,43            |
| 3288 | 16:05:12 | 0,19            | 0,10            | 0,29            | 3,57                     | 3,19                     | 8,88                     | 1,09   | 3,45   | 2,29   | 0,42            |
| 3289 | 16:05:17 | 0,08            | 0,14            | 0,29            | 3,57                     | 3,19                     | 8,88                     | 1,21   | 1,15   | 1,21   | 0,37            |
| 3290 | 16:05:22 | 0,17            | 0,08            | 0,36            | 3,57                     | 3,19                     | 8,88                     | 1,61   | 2,86   | 3,29   | 0,44            |
| 3291 | 16:05:27 | 0,08            | 0,13            | 0,26            | 3,57                     | 3,19                     | 8,88                     | 3,28   | 2,54   | 2,70   | 0,34            |
| 3292 | 16:05:32 | 0,10            | 0,13            | 0,29            | 3,57                     | 3,19                     | 8,88                     | 2,15   | 0,66   | 1,79   | 0,37            |
| 3293 | 16:05:37 | 0,06            | 0,11            | 0,25            | 3,57                     | 3,19                     | 8,88                     | 3,15   | 2,04   | 1,99   | 0,31            |
| 3294 | 16:05:42 | 0,09            | 0,17            | 0,31            | 3,57                     | 3,19                     | 8,88                     | 1,34   | 1,50   | 1,81   | 0,42            |
| 3295 | 16:05:47 | 0,08            | 0,09            | 0,25            | 3,57                     | 3,19                     | 8,88                     | 2,09   | 2,70   | 3,03   | 0,30            |
| 3296 | 16:05:52 | 0,13            | 0,12            | 0,29            | 3,57                     | 3,19                     | 8,88                     | 1,50   | 3,22   | 2,12   | 0,38            |
| 3297 | 16:05:57 | 0,09            | 0,19            | 0,36            | 3,57                     | 3,19                     | 8,88                     | 1,57   | 0,87   | 1,37   | 0,47            |
| 3298 | 16:06:02 | 0,11            | 0,16            | 0,28            | 3,57                     | 3,19                     | 8,88                     | 2,95   | 2,12   | 2,06   | 0,39            |
| 3299 | 16:06:07 | 0,10            | 0,29            | 0,32            | 3,57                     | 3,19                     | 8,88                     | 1,11   | 1,75   | 1,13   | 0,54            |
| 3300 | 16:06:12 | 0,10            | 0,19            | 0,32            | 3,57                     | 3,19                     | 8,88                     | 1,25   | 0,88   | 2,19   | 0,44            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3301 | 16:06:17 | 0,10            | 0,14            | 0,34            | 3,57                     | 3,19                     | 8,88                     | 1,31   | 2,14   | 1,37   | 0,41            |
| 3302 | 16:06:22 | 0,08            | 0,11            | 0,29            | 3,57                     | 3,19                     | 8,88                     | 1,41   | 1,39   | 1,32   | 0,35            |
| 3303 | 16:06:27 | 0,08            | 0,10            | 0,34            | 3,57                     | 3,19                     | 8,88                     | 3,52   | 1,70   | 2,56   | 0,38            |
| 3304 | 16:06:33 | 0,17            | 0,18            | 0,35            | 3,57                     | 3,19                     | 8,88                     | 4,06   | 3,14   | 2,37   | 0,49            |
| 3305 | 16:06:38 | 0,13            | 0,29            | 0,24            | 3,57                     | 3,19                     | 8,88                     | 0,94   | 1,03   | 1,58   | 0,51            |
| 3306 | 16:06:43 | 0,15            | 0,28            | 0,48            | 3,57                     | 3,19                     | 8,88                     | 4,51   | 2,22   | 1,52   | 0,65            |
| 3307 | 16:06:48 | 0,15            | 0,17            | 0,42            | 3,57                     | 3,19                     | 8,88                     | 1,63   | 1,54   | 2,02   | 0,53            |
| 3308 | 16:06:53 | 0,22            | 0,18            | 0,30            | 3,57                     | 3,19                     | 8,88                     | 2,30   | 0,35   | 0,77   | 0,50            |
| 3309 | 16:06:58 | 0,08            | 0,01            | 0,03            | 3,57                     | 3,19                     | 8,88                     | 0,12   | 1,51   | 2,91   | 0,12            |
| 3310 | 16:07:03 | 0,01            | 0,01            | 0,02            | 3,57                     | 3,19                     | 8,88                     | 3,15   | 1,83   | 3,06   | 0,03            |
| 3311 | 16:07:08 | 0,01            | 0,01            | 0,03            | 3,57                     | 3,19                     | 8,88                     | 2,72   | 2,58   | 3,64   | 0,03            |
| 3312 | 16:07:13 | 0,01            | 0,02            | 0,04            | 3,57                     | 3,19                     | 8,88                     | 0,88   | 1,12   | 1,52   | 0,05            |
| 3313 | 16:07:18 | 0,10            | 0,01            | 0,04            | 3,57                     | 3,19                     | 8,88                     | 3,89   | 4,22   | 4,42   | 0,15            |
| 3314 | 16:07:23 | 0,45            | 0,28            | 0,27            | 3,58                     | 3,19                     | 8,88                     | 2,61   | 1,60   | 2,93   | 0,79            |
| 3315 | 16:07:28 | 0,32            | 0,17            | 0,45            | 3,58                     | 3,19                     | 8,89                     | 1,28   | 1,91   | 2,75   | 0,68            |
| 3316 | 16:07:33 | 0,11            | 0,12            | 0,35            | 3,58                     | 3,19                     | 8,89                     | 2,95   | 2,20   | 2,35   | 0,42            |
| 3317 | 16:07:38 | 0,14            | 0,15            | 0,27            | 3,58                     | 3,19                     | 8,89                     | 2,31   | 4,17   | 3,37   | 0,40            |
| 3318 | 16:07:43 | 0,28            | 0,21            | 0,20            | 3,58                     | 3,19                     | 8,89                     | 1,67   | 1,27   | 1,24   | 0,53            |
| 3319 | 16:07:48 | 0,27            | 0,17            | 0,20            | 3,58                     | 3,19                     | 8,89                     | 0,65   | 1,35   | 1,48   | 0,49            |
| 3320 | 16:07:53 | 0,23            | 0,09            | 0,23            | 3,58                     | 3,19                     | 8,89                     | 0,85   | 1,60   | 2,77   | 0,41            |
| 3321 | 16:07:58 | 0,11            | 0,14            | 0,32            | 3,58                     | 3,19                     | 8,89                     | 1,04   | 1,56   | 1,75   | 0,41            |
| 3322 | 16:08:03 | 0,08            | 0,11            | 0,28            | 3,58                     | 3,19                     | 8,89                     | 2,90   | 2,50   | 2,17   | 0,34            |
| 3323 | 16:08:08 | 0,20            | 0,37            | 0,40            | 3,58                     | 3,20                     | 8,89                     | 2,53   | 1,18   | 1,92   | 0,72            |
| 3324 | 16:08:13 | 0,33            | 0,28            | 0,37            | 3,58                     | 3,20                     | 8,89                     | 3,64   | 1,09   | 1,47   | 0,71            |
| 3325 | 16:08:18 | 0,13            | 0,31            | 0,36            | 3,58                     | 3,20                     | 8,89                     | 1,52   | 1,47   | 2,62   | 0,59            |
| 3326 | 16:08:23 | 0,17            | 0,12            | 0,18            | 3,58                     | 3,20                     | 8,89                     | 0,92   | 2,48   | 2,56   | 0,34            |
| 3327 | 16:08:28 | 0,22            | 0,07            | 0,20            | 3,58                     | 3,20                     | 8,89                     | 0,96   | 0,56   | 0,41   | 0,39            |
| 3328 | 16:08:33 | 0,17            | 0,01            | 0,04            | 3,58                     | 3,20                     | 8,89                     | 0,21   | 1,27   | 1,64   | 0,24            |
| 3329 | 16:08:38 | 0,01            | 0,01            | 0,02            | 3,58                     | 3,20                     | 8,89                     | 1,49   | 1,86   | 2,23   | 0,03            |
| 3330 | 16:08:43 | 0,00            | 0,01            | 0,02            | 3,58                     | 3,20                     | 8,89                     | 2,84   | 2,54   | 3,10   | 0,02            |
| 3331 | 16:08:48 | 0,00            | 0,01            | 0,02            | 3,58                     | 3,20                     | 8,89                     | 2,60   | 3,03   | 2,65   | 0,02            |
| 3332 | 16:08:53 | 0,08            | 0,02            | 0,03            | 3,58                     | 3,20                     | 8,89                     | 2,18   | 2,33   | 2,22   | 0,12            |
| 3333 | 16:08:58 | 0,24            | 0,23            | 0,23            | 3,58                     | 3,20                     | 8,89                     | 1,75   | 2,35   | 1,62   | 0,52            |
| 3334 | 16:09:03 | 0,24            | 0,21            | 0,20            | 3,58                     | 3,20                     | 8,89                     | 1,28   | 1,36   | 1,06   | 0,49            |
| 3335 | 16:09:08 | 0,26            | 0,21            | 0,18            | 3,58                     | 3,20                     | 8,89                     | 3,40   | 1,31   | 2,70   | 0,49            |
| 3336 | 16:09:13 | 0,15            | 0,11            | 0,24            | 3,58                     | 3,20                     | 8,89                     | 1,05   | 1,54   | 3,81   | 0,35            |
| 3337 | 16:09:18 | 0,21            | 0,12            | 0,15            | 3,58                     | 3,20                     | 8,89                     | 2,38   | 0,90   | 1,33   | 0,37            |
| 3338 | 16:09:23 | 0,32            | 0,10            | 0,12            | 3,58                     | 3,20                     | 8,89                     | 1,60   | 1,90   | 3,81   | 0,48            |
| 3339 | 16:09:28 | 0,30            | 0,40            | 0,34            | 3,58                     | 3,20                     | 8,89                     | 1,30   | 1,31   | 1,88   | 0,77            |
| 3340 | 16:09:33 | 0,23            | 0,19            | 0,30            | 3,58                     | 3,20                     | 8,89                     | 1,29   | 0,89   | 1,39   | 0,52            |
| 3341 | 16:09:38 | 0,07            | 0,15            | 0,22            | 3,58                     | 3,20                     | 8,89                     | 1,77   | 1,84   | 2,16   | 0,32            |
| 3342 | 16:09:44 | 0,16            | 0,24            | 0,38            | 3,58                     | 3,20                     | 8,89                     | 2,69   | 2,78   | 2,94   | 0,56            |
| 3343 | 16:09:49 | 0,17            | 0,35            | 0,24            | 3,58                     | 3,20                     | 8,89                     | 1,44   | 0,93   | 2,07   | 0,59            |
| 3344 | 16:09:54 | 0,12            | 0,10            | 0,15            | 3,58                     | 3,20                     | 8,89                     | 1,53   | 2,07   | 2,56   | 0,27            |
| 3345 | 16:09:59 | 0,07            | 0,07            | 0,14            | 3,58                     | 3,20                     | 8,89                     | 0,65   | 1,49   | 1,26   | 0,19            |
| 3346 | 16:10:04 | 0,25            | 0,03            | 0,07            | 3,59                     | 3,20                     | 8,89                     | 0,32   | 0,71   | 0,88   | 0,36            |
| 3347 | 16:10:09 | 0,01            | 0,01            | 0,02            | 3,59                     | 3,20                     | 8,89                     | 2,67   | 3,15   | 3,08   | 0,02            |
| 3348 | 16:10:14 | 0,01            | 0,01            | 0,02            | 3,59                     | 3,20                     | 8,89                     | 2,75   | 3,08   | 2,95   | 0,03            |
| 3349 | 16:10:19 | 0,05            | 0,02            | 0,03            | 3,59                     | 3,20                     | 8,89                     | 3,00   | 2,00   | 2,59   | 0,08            |
| 3350 | 16:10:24 | 0,30            | 0,22            | 0,39            | 3,59                     | 3,21                     | 8,89                     | 1,07   | 2,92   | 1,68   | 0,65            |
| 3351 | 16:10:29 | 0,20            | 0,36            | 0,29            | 3,59                     | 3,21                     | 8,89                     | 5,41   | 0,72   | 1,98   | 0,64            |
| 3352 | 16:10:34 | 0,26            | 0,07            | 0,19            | 3,59                     | 3,21                     | 8,89                     | 0,87   | 2,65   | 1,99   | 0,42            |
| 3353 | 16:10:39 | 0,13            | 0,19            | 0,18            | 3,59                     | 3,21                     | 8,89                     | 1,37   | 1,63   | 2,86   | 0,37            |
| 3354 | 16:10:44 | 0,22            | 0,22            | 0,11            | 3,59                     | 3,21                     | 8,89                     | 0,84   | 1,50   | 0,93   | 0,44            |
| 3355 | 16:10:49 | 0,39            | 0,08            | 0,11            | 3,59                     | 3,21                     | 8,89                     | 3,50   | 1,15   | 3,91   | 0,56            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3356 | 16:10:54 | 0,28            | 0,22            | 0,13            | 3,59                     | 3,21                     | 8,89                     | 1,67   | 3,21   | 12,29  | 0,51            |
| 3357 | 16:10:59 | 0,13            | 0,06            | 0,11            | 3,59                     | 3,21                     | 8,89                     | 0,12   | 0,94   | 1,72   | 0,22            |
| 3358 | 16:11:04 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 3,96   | 1,96   | 1,88   | 0,09            |
| 3359 | 16:11:09 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,35   | 2,17   | 2,04   | 0,09            |
| 3360 | 16:11:14 | 0,01            | 0,02            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 1,90   | 2,13   | 2,24   | 0,08            |
| 3361 | 16:11:19 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,57   | 1,81   | 2,10   | 0,09            |
| 3362 | 16:11:24 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,68   | 1,91   | 1,88   | 0,09            |
| 3363 | 16:11:29 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 1,95   | 1,66   | 1,90   | 0,09            |
| 3364 | 16:11:34 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 1,86   | 1,94   | 2,02   | 0,09            |
| 3365 | 16:11:39 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,41   | 1,75   | 1,82   | 0,09            |
| 3366 | 16:11:44 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,06   | 1,66   | 2,21   | 0,09            |
| 3367 | 16:11:49 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,27   | 1,78   | 2,05   | 0,09            |
| 3368 | 16:11:54 | 0,00            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,89   | 1,89   | 1,81   | 0,09            |
| 3369 | 16:11:59 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 3,38   | 1,77   | 1,89   | 0,09            |
| 3370 | 16:12:04 | 0,01            | 0,03            | 0,07            | 3,59                     | 3,21                     | 8,89                     | 2,81   | 1,75   | 1,91   | 0,09            |
| 3371 | 16:12:09 | 0,01            | 0,03            | 0,07            | 3,59                     | 3,21                     | 8,89                     | 2,30   | 1,82   | 2,19   | 0,08            |
| 3372 | 16:12:14 | 0,01            | 0,03            | 0,07            | 3,59                     | 3,21                     | 8,89                     | 2,32   | 1,96   | 2,04   | 0,08            |
| 3373 | 16:12:19 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 5,63   | 3,84   | 2,96   | 0,09            |
| 3374 | 16:12:24 | 0,01            | 0,03            | 0,08            | 3,59                     | 3,21                     | 8,89                     | 2,13   | 2,41   | 2,30   | 0,10            |
| 3375 | 16:12:29 | 0,01            | 0,04            | 0,09            | 3,59                     | 3,21                     | 8,89                     | 3,93   | 1,71   | 2,01   | 0,11            |
| 3376 | 16:12:34 | 0,02            | 0,07            | 0,18            | 3,59                     | 3,21                     | 8,89                     | 0,75   | 0,83   | 0,84   | 0,20            |
| 3377 | 16:12:39 | 0,02            | 0,04            | 0,10            | 3,59                     | 3,21                     | 8,89                     | 4,26   | 3,07   | 2,82   | 0,11            |
| 3378 | 16:12:44 | 0,54            | 0,23            | 0,92            | 3,60                     | 3,21                     | 8,94                     | 0,14   | 0,24   | 0,09   | 1,24            |
| 3379 | 16:12:49 | 0,07            | 0,07            | 0,05            | 3,60                     | 3,21                     | 8,94                     | 4,60   | 2,51   | 2,18   | 0,15            |
| 3380 | 16:12:54 | 0,33            | 0,14            | 0,12            | 3,60                     | 3,21                     | 8,94                     | 1,12   | 1,69   | 2,07   | 0,51            |
| 3381 | 16:12:59 | 0,24            | 0,16            | 0,28            | 3,60                     | 3,21                     | 8,94                     | 1,89   | 2,54   | 2,33   | 0,49            |
| 3382 | 16:13:04 | 0,29            | 0,21            | 0,18            | 3,60                     | 3,21                     | 8,94                     | 2,75   | 1,63   | 2,56   | 0,54            |
| 3383 | 16:13:09 | 0,14            | 0,18            | 0,26            | 3,60                     | 3,21                     | 8,94                     | 1,36   | 1,72   | 1,57   | 0,41            |
| 3384 | 16:13:14 | 0,08            | 0,18            | 0,19            | 3,60                     | 3,21                     | 8,94                     | 2,15   | 1,58   | 1,68   | 0,34            |
| 3385 | 16:13:19 | 0,34            | 0,13            | 0,17            | 3,60                     | 3,21                     | 8,94                     | 2,46   | 2,42   | 2,05   | 0,54            |
| 3386 | 16:13:24 | 0,20            | 0,41            | 0,28            | 3,61                     | 3,21                     | 8,94                     | 1,10   | 0,47   | 1,18   | 0,70            |
| 3387 | 16:13:29 | 0,30            | 0,35            | 0,44            | 3,61                     | 3,21                     | 8,94                     | 0,88   | 1,12   | 1,17   | 0,79            |
| 3388 | 16:13:34 | 0,09            | 0,11            | 0,22            | 3,61                     | 3,21                     | 8,94                     | 2,06   | 3,14   | 2,31   | 0,30            |
| 3389 | 16:13:39 | 0,13            | 0,32            | 0,41            | 3,61                     | 3,21                     | 8,94                     | 1,70   | 3,11   | 3,04   | 0,63            |
| 3390 | 16:13:44 | 0,06            | 0,13            | 0,24            | 3,61                     | 3,21                     | 8,94                     | 2,11   | 1,58   | 1,75   | 0,31            |
| 3391 | 16:13:49 | 0,08            | 0,11            | 0,18            | 3,61                     | 3,21                     | 8,94                     | 1,76   | 1,31   | 1,27   | 0,26            |
| 3392 | 16:13:54 | 0,27            | 0,36            | 0,49            | 3,61                     | 3,22                     | 8,94                     | 1,97   | 1,81   | 1,46   | 0,80            |
| 3393 | 16:13:59 | 0,30            | 0,44            | 0,26            | 3,61                     | 3,22                     | 8,94                     | 0,83   | 0,61   | 0,98   | 0,79            |
| 3394 | 16:14:04 | 0,19            | 0,38            | 0,14            | 3,61                     | 3,22                     | 8,94                     | 1,06   | 0,93   | 2,10   | 0,61            |
| 3395 | 16:14:09 | 0,30            | 0,22            | 0,12            | 3,61                     | 3,22                     | 8,94                     | 0,10   | 1,44   | 3,91   | 0,53            |
| 3396 | 16:14:14 | 0,30            | 0,20            | 0,16            | 3,61                     | 3,22                     | 8,94                     | 0,15   | 0,42   | 1,43   | 0,53            |
| 3397 | 16:14:19 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,29   | 2,69   | 2,68   | 0,08            |
| 3398 | 16:14:24 | 0,01            | 0,05            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 1,77   | 2,07   | 2,20   | 0,12            |
| 3399 | 16:14:29 | 0,01            | 0,05            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 1,53   | 2,25   | 2,12   | 0,12            |
| 3400 | 16:14:34 | 0,03            | 0,10            | 0,20            | 3,61                     | 3,22                     | 8,94                     | 0,52   | 0,67   | 0,81   | 0,25            |
| 3401 | 16:14:39 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,02   | 1,91   | 1,93   | 0,08            |
| 3402 | 16:14:44 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,08   | 2,20   | 1,96   | 0,08            |
| 3403 | 16:14:49 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,40   | 1,91   | 2,02   | 0,08            |
| 3404 | 16:14:54 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,70   | 2,28   | 2,34   | 0,09            |
| 3405 | 16:14:59 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,39   | 1,89   | 1,90   | 0,08            |
| 3406 | 16:15:04 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,90   | 1,83   | 2,00   | 0,08            |
| 3407 | 16:15:09 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,06   | 2,10   | 1,98   | 0,08            |
| 3408 | 16:15:14 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,16   | 2,08   | 1,97   | 0,09            |
| 3409 | 16:15:19 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,23   | 2,18   | 2,09   | 0,08            |
| 3410 | 16:15:24 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,91   | 2,17   | 2,01   | 0,08            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3411 | 16:15:29 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,99   | 1,89   | 2,00   | 0,08            |
| 3412 | 16:15:34 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,07   | 1,76   | 1,97   | 0,08            |
| 3413 | 16:15:39 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,50   | 2,03   | 1,79   | 0,08            |
| 3414 | 16:15:44 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,48   | 1,97   | 2,35   | 0,08            |
| 3415 | 16:15:49 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,39   | 2,34   | 2,09   | 0,08            |
| 3416 | 16:15:54 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,58   | 2,00   | 1,94   | 0,08            |
| 3417 | 16:15:59 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,39   | 1,75   | 2,11   | 0,08            |
| 3418 | 16:16:04 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,37   | 1,77   | 1,89   | 0,08            |
| 3419 | 16:16:09 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,60   | 1,99   | 2,18   | 0,08            |
| 3420 | 16:16:14 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,63   | 2,21   | 1,83   | 0,08            |
| 3421 | 16:16:19 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,99   | 1,96   | 1,89   | 0,08            |
| 3422 | 16:16:24 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,68   | 1,88   | 1,87   | 0,08            |
| 3423 | 16:16:29 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,92   | 2,10   | 2,18   | 0,09            |
| 3424 | 16:16:34 | 0,00            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,87   | 1,94   | 2,17   | 0,08            |
| 3425 | 16:16:39 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,53   | 1,74   | 1,87   | 0,09            |
| 3426 | 16:16:44 | 0,01            | 0,03            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,39   | 1,86   | 1,90   | 0,09            |
| 3427 | 16:16:49 | 0,02            | 0,08            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 1,53   | 1,33   | 1,98   | 0,15            |
| 3428 | 16:16:54 | 0,01            | 0,08            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 3,75   | 3,26   | 1,86   | 0,15            |
| 3429 | 16:16:59 | 0,01            | 0,08            | 0,11            | 3,61                     | 3,22                     | 8,94                     | 3,44   | 1,66   | 1,82   | 0,15            |
| 3430 | 16:17:04 | 0,01            | 0,03            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,23   | 1,62   | 2,11   | 0,10            |
| 3431 | 16:17:09 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,06   | 1,98   | 1,99   | 0,09            |
| 3432 | 16:17:14 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,94   | 2,03   | 2,08   | 0,09            |
| 3433 | 16:17:19 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,08   | 2,44   | 2,19   | 0,09            |
| 3434 | 16:17:24 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,32   | 1,90   | 2,06   | 0,09            |
| 3435 | 16:17:29 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,02   | 2,14   | 1,91   | 0,09            |
| 3436 | 16:17:34 | 0,01            | 0,03            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,96   | 3,59   | 2,21   | 0,09            |
| 3437 | 16:17:39 | 0,01            | 0,05            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 1,65   | 1,06   | 1,95   | 0,12            |
| 3438 | 16:17:44 | 0,01            | 0,05            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,04   | 1,79   | 1,89   | 0,11            |
| 3439 | 16:17:49 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,81   | 2,32   | 1,93   | 0,09            |
| 3440 | 16:17:55 | 0,01            | 0,02            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 2,26   | 1,97   | 2,15   | 0,11            |
| 3441 | 16:18:00 | 0,04            | 0,04            | 0,15            | 3,61                     | 3,22                     | 8,94                     | 0,75   | 1,54   | 1,43   | 0,17            |
| 3442 | 16:18:05 | 0,02            | 0,07            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 3,68   | 1,79   | 2,09   | 0,13            |
| 3443 | 16:18:10 | 0,01            | 0,03            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 4,74   | 2,02   | 2,22   | 0,10            |
| 3444 | 16:18:15 | 0,02            | 0,03            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,18   | 1,79   | 1,99   | 0,09            |
| 3445 | 16:18:20 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,85   | 2,50   | 2,34   | 0,09            |
| 3446 | 16:18:25 | 0,01            | 0,03            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,01   | 1,95   | 2,35   | 0,09            |
| 3447 | 16:18:30 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 3,25   | 2,12   | 2,22   | 0,09            |
| 3448 | 16:18:35 | 0,01            | 0,04            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 2,66   | 1,93   | 2,02   | 0,10            |
| 3449 | 16:18:40 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 1,58   | 2,02   | 2,23   | 0,09            |
| 3450 | 16:18:45 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,31   | 2,35   | 2,02   | 0,09            |
| 3451 | 16:18:50 | 0,01            | 0,05            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 3,71   | 3,58   | 3,23   | 0,12            |
| 3452 | 16:18:55 | 0,03            | 0,10            | 0,14            | 3,61                     | 3,22                     | 8,94                     | 0,47   | 0,53   | 1,12   | 0,20            |
| 3453 | 16:19:00 | 0,01            | 0,02            | 0,09            | 3,61                     | 3,22                     | 8,94                     | 3,03   | 2,49   | 2,09   | 0,09            |
| 3454 | 16:19:05 | 0,01            | 0,02            | 0,08            | 3,61                     | 3,22                     | 8,94                     | 2,44   | 2,15   | 1,93   | 0,09            |
| 3455 | 16:19:10 | 0,04            | 0,03            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 5,25   | 2,55   | 7,45   | 0,12            |
| 3456 | 16:19:15 | 0,04            | 0,03            | 0,10            | 3,61                     | 3,22                     | 8,94                     | 4,97   | 4,49   | 5,03   | 0,13            |
| 3457 | 16:19:20 | 0,01            | 0,01            | 0,05            | 3,61                     | 3,22                     | 8,94                     | 2,05   | 4,88   | 6,32   | 0,05            |
| 3458 | 16:19:25 | 0,57            | 0,40            | 1,06            | 3,63                     | 3,24                     | 9,11                     | 0,23   | 0,38   | 0,11   | 1,44            |
| 3459 | 16:19:30 | 0,05            | 0,18            | 0,06            | 3,63                     | 3,24                     | 9,11                     | 0,63   | 1,48   | 1,22   | 0,27            |
| 3460 | 16:19:35 | 0,01            | 0,06            | 0,04            | 3,63                     | 3,24                     | 9,11                     | 1,04   | 0,30   | 1,69   | 0,10            |
| 3461 | 16:19:40 | 0,01            | 0,01            | 0,02            | 3,63                     | 3,24                     | 9,11                     | 3,87   | 7,83   | 2,86   | 0,03            |
| 3462 | 16:19:45 | 0,01            | 0,01            | 0,02            | 3,63                     | 3,24                     | 9,11                     | 2,79   | 2,18   | 2,31   | 0,03            |
| 3463 | 16:19:50 | 0,00            | 0,01            | 0,02            | 3,63                     | 3,24                     | 9,11                     | 2,29   | 1,90   | 2,34   | 0,02            |
| 3464 | 16:19:55 | 0,00            | 0,01            | 0,02            | 3,63                     | 3,24                     | 9,11                     | 2,41   | 2,53   | 2,05   | 0,02            |
| 3465 | 16:20:00 | 0,01            | 0,01            | 0,03            | 3,63                     | 3,24                     | 9,11                     | 4,27   | 3,24   | 8,68   | 0,03            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{wz} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3466 | 16:20:05 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,50   | 1,86   | 3,20   | 0,02             |
| 3467 | 16:20:10 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,43   | 2,35   | 2,80   | 0,03             |
| 3468 | 16:20:15 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 1,84   | 3,18   | 2,33   | 0,02             |
| 3469 | 16:20:20 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 1,86   | 2,68   | 2,16   | 0,02             |
| 3470 | 16:20:25 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,33   | 1,76   | 2,71   | 0,03             |
| 3471 | 16:20:30 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 1,66   | 3,03   | 2,59   | 0,02             |
| 3472 | 16:20:35 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,56   | 2,57   | 3,12   | 0,02             |
| 3473 | 16:20:40 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,80   | 1,67   | 2,90   | 0,02             |
| 3474 | 16:20:45 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 3,34   | 2,53   | 2,03   | 0,03             |
| 3475 | 16:20:50 | 0,01             | 0,03             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 1,41   | 1,36   | 2,70   | 0,05             |
| 3476 | 16:20:55 | 0,01             | 0,01             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 2,46   | 2,43   | 2,23   | 0,03             |
| 3477 | 16:21:00 | 0,01             | 0,02             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 1,56   | 4,30   | 2,62   | 0,04             |
| 3478 | 16:21:05 | 0,01             | 0,01             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 2,57   | 1,53   | 2,21   | 0,03             |
| 3479 | 16:21:10 | 0,01             | 0,01             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 1,32   | 2,13   | 1,74   | 0,03             |
| 3480 | 16:21:15 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,74   | 2,03   | 2,57   | 0,03             |
| 3481 | 16:21:20 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,82   | 2,35   | 3,47   | 0,03             |
| 3482 | 16:21:25 | 0,03             | 0,08             | 0,04             | 3,63                      | 3,24                      | 9,11                      | 1,14   | 1,14   | 2,85   | 0,13             |
| 3483 | 16:21:30 | 0,05             | 0,13             | 0,07             | 3,63                      | 3,24                      | 9,11                      | 1,11   | 0,98   | 2,44   | 0,21             |
| 3484 | 16:21:35 | 0,02             | 0,08             | 0,07             | 3,63                      | 3,24                      | 9,11                      | 1,95   | 1,38   | 1,15   | 0,13             |
| 3485 | 16:21:40 | 0,01             | 0,01             | 0,06             | 3,63                      | 3,24                      | 9,11                      | 1,69   | 1,26   | 1,05   | 0,06             |
| 3486 | 16:21:45 | 0,01             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 1,93   | 2,25   | 2,07   | 0,03             |
| 3487 | 16:21:50 | 0,01             | 0,01             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 3,85   | 3,52   | 5,87   | 0,04             |
| 3488 | 16:21:55 | 0,12             | 0,02             | 0,05             | 3,63                      | 3,24                      | 9,11                      | 2,45   | 2,28   | 2,15   | 0,18             |
| 3489 | 16:22:00 | 0,33             | 0,10             | 0,10             | 3,63                      | 3,24                      | 9,11                      | 2,57   | 1,30   | 2,31   | 0,50             |
| 3490 | 16:22:05 | 0,27             | 0,08             | 0,11             | 3,63                      | 3,24                      | 9,11                      | 0,30   | 2,18   | 1,40   | 0,41             |
| 3491 | 16:22:10 | 0,09             | 0,17             | 0,17             | 3,63                      | 3,24                      | 9,11                      | 2,36   | 2,05   | 2,96   | 0,32             |
| 3492 | 16:22:15 | 0,15             | 0,26             | 0,16             | 3,63                      | 3,24                      | 9,11                      | 1,78   | 0,42   | 1,30   | 0,45             |
| 3493 | 16:22:20 | 0,33             | 0,10             | 0,08             | 3,63                      | 3,24                      | 9,11                      | 1,24   | 0,28   | 1,47   | 0,49             |
| 3494 | 16:22:25 | 0,03             | 0,02             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 0,37   | 0,74   | 2,17   | 0,06             |
| 3495 | 16:22:30 | 0,01             | 0,00             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 2,33   | 2,40   | 2,51   | 0,02             |
| 3496 | 16:22:35 | 0,01             | 0,01             | 0,04             | 3,63                      | 3,24                      | 9,11                      | 1,47   | 2,42   | 1,80   | 0,04             |
| 3497 | 16:22:40 | 0,00             | 0,01             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 1,86   | 1,64   | 2,71   | 0,02             |
| 3498 | 16:22:45 | 0,01             | 0,03             | 0,02             | 3,63                      | 3,24                      | 9,11                      | 3,32   | 3,98   | 3,06   | 0,05             |
| 3499 | 16:22:50 | 0,01             | 0,01             | 0,04             | 3,63                      | 3,24                      | 9,11                      | 1,14   | 1,68   | 1,29   | 0,04             |
| 3500 | 16:22:55 | 0,08             | 0,02             | 0,03             | 3,63                      | 3,24                      | 9,11                      | 2,05   | 3,24   | 2,74   | 0,12             |
| 3501 | 16:23:00 | 0,48             | 0,11             | 0,26             | 3,63                      | 3,24                      | 9,11                      | 0,86   | 2,37   | 3,02   | 0,74             |
| 3502 | 16:23:05 | 0,31             | 0,16             | 0,28             | 3,63                      | 3,24                      | 9,11                      | 0,95   | 1,38   | 1,82   | 0,56             |
| 3503 | 16:23:10 | 0,10             | 0,10             | 0,20             | 3,63                      | 3,24                      | 9,11                      | 1,31   | 1,66   | 1,91   | 0,28             |
| 3504 | 16:23:15 | 0,16             | 0,19             | 0,35             | 3,63                      | 3,24                      | 9,11                      | 1,80   | 3,46   | 2,29   | 0,49             |
| 3505 | 16:23:20 | 0,46             | 0,15             | 0,11             | 3,64                      | 3,24                      | 9,11                      | 0,04   | 0,21   | 0,70   | 0,68             |
| 3506 | 16:23:25 | 0,20             | 0,03             | 0,05             | 3,64                      | 3,24                      | 9,11                      | 2,88   | 4,35   | 4,08   | 0,29             |
| 3507 | 16:23:30 | 0,38             | 0,25             | 0,55             | 3,64                      | 3,24                      | 9,11                      | 0,91   | 1,61   | 2,27   | 0,84             |
| 3508 | 16:23:35 | 0,40             | 0,12             | 0,26             | 3,64                      | 3,24                      | 9,11                      | 0,83   | 1,43   | 3,28   | 0,63             |
| 3509 | 16:23:40 | 0,18             | 0,17             | 0,37             | 3,64                      | 3,24                      | 9,11                      | 1,15   | 0,80   | 1,03   | 0,50             |
| 3510 | 16:23:45 | 0,22             | 0,20             | 0,50             | 3,64                      | 3,24                      | 9,12                      | 3,67   | 2,69   | 2,77   | 0,65             |
| 3511 | 16:23:50 | 0,20             | 0,11             | 0,22             | 3,64                      | 3,24                      | 9,12                      | 1,17   | 2,18   | 1,50   | 0,39             |
| 3512 | 16:23:55 | 0,48             | 0,29             | 0,58             | 3,65                      | 3,24                      | 9,12                      | 2,59   | 0,89   | 0,67   | 0,98             |
| 3513 | 16:24:00 | 0,26             | 0,14             | 0,33             | 3,65                      | 3,24                      | 9,12                      | 1,61   | 3,82   | 3,95   | 0,53             |
| 3514 | 16:24:05 | 0,19             | 0,16             | 0,76             | 3,65                      | 3,24                      | 9,12                      | 2,07   | 1,86   | 1,94   | 0,83             |
| 3515 | 16:24:10 | 0,29             | 0,23             | 0,61             | 3,65                      | 3,24                      | 9,12                      | 2,62   | 2,44   | 1,92   | 0,80             |
| 3516 | 16:24:16 | 0,40             | 0,33             | 0,59             | 3,65                      | 3,24                      | 9,12                      | 1,11   | 1,82   | 2,18   | 0,93             |
| 3517 | 16:24:21 | 0,18             | 0,21             | 0,43             | 3,65                      | 3,24                      | 9,12                      | 1,50   | 0,55   | 1,12   | 0,58             |
| 3518 | 16:24:26 | 0,29             | 0,21             | 0,55             | 3,65                      | 3,24                      | 9,12                      | 1,40   | 2,80   | 1,80   | 0,74             |
| 3519 | 16:24:31 | 0,34             | 0,46             | 0,49             | 3,66                      | 3,25                      | 9,12                      | 0,73   | 0,40   | 1,00   | 0,94             |
| 3520 | 16:24:36 | 0,23             | 0,13             | 0,19             | 3,66                      | 3,25                      | 9,12                      | 1,10   | 2,09   | 3,75   | 0,42             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3521 | 16:24:41 | 0,10             | 0,11             | 0,23             | 3,66                      | 3,25                      | 9,12                      | 1,24   | 1,59   | 1,48   | 0,31             |
| 3522 | 16:24:46 | 0,25             | 0,06             | 0,18             | 3,66                      | 3,25                      | 9,12                      | 1,04   | 3,19   | 3,43   | 0,40             |
| 3523 | 16:24:51 | 0,22             | 0,11             | 0,26             | 3,66                      | 3,25                      | 9,12                      | 1,70   | 2,32   | 3,94   | 0,43             |
| 3524 | 16:24:56 | 0,15             | 0,07             | 0,15             | 3,66                      | 3,25                      | 9,12                      | 0,54   | 2,61   | 2,57   | 0,28             |
| 3525 | 16:25:01 | 0,07             | 0,13             | 0,24             | 3,66                      | 3,25                      | 9,12                      | 2,48   | 1,81   | 1,89   | 0,32             |
| 3526 | 16:25:06 | 0,11             | 0,08             | 0,18             | 3,66                      | 3,25                      | 9,12                      | 1,77   | 1,70   | 1,84   | 0,27             |
| 3527 | 16:25:11 | 0,36             | 0,15             | 0,61             | 3,66                      | 3,25                      | 9,12                      | 1,69   | 0,49   | 0,56   | 0,82             |
| 3528 | 16:25:16 | 0,37             | 0,11             | 0,20             | 3,66                      | 3,25                      | 9,12                      | 0,82   | 0,91   | 1,95   | 0,58             |
| 3529 | 16:25:21 | 0,26             | 0,12             | 0,22             | 3,66                      | 3,25                      | 9,12                      | 0,62   | 2,24   | 2,33   | 0,46             |
| 3530 | 16:25:26 | 0,18             | 0,24             | 0,22             | 3,66                      | 3,25                      | 9,12                      | 5,65   | 2,05   | 2,75   | 0,47             |
| 3531 | 16:25:31 | 0,24             | 0,42             | 0,29             | 3,66                      | 3,26                      | 9,12                      | 2,39   | 0,95   | 2,69   | 0,73             |
| 3532 | 16:25:36 | 0,19             | 0,14             | 0,40             | 3,66                      | 3,26                      | 9,12                      | 1,38   | 2,60   | 2,70   | 0,52             |
| 3533 | 16:25:41 | 0,16             | 0,11             | 0,22             | 3,66                      | 3,26                      | 9,12                      | 1,38   | 1,18   | 1,20   | 0,36             |
| 3534 | 16:25:46 | 0,31             | 0,14             | 0,15             | 3,66                      | 3,26                      | 9,12                      | 2,50   | 3,74   | 3,43   | 0,50             |
| 3535 | 16:25:51 | 0,36             | 0,51             | 0,40             | 3,66                      | 3,27                      | 9,12                      | 1,10   | 1,13   | 2,30   | 0,96             |
| 3536 | 16:25:56 | 0,24             | 0,21             | 0,15             | 3,66                      | 3,27                      | 9,12                      | 1,68   | 2,09   | 1,78   | 0,48             |
| 3537 | 16:26:01 | 0,26             | 0,36             | 0,16             | 3,67                      | 3,27                      | 9,12                      | 0,78   | 0,50   | 1,19   | 0,64             |
| 3538 | 16:26:06 | 0,14             | 0,20             | 0,06             | 3,67                      | 3,27                      | 9,12                      | 0,89   | 0,38   | 1,21   | 0,35             |
| 3539 | 16:26:11 | 0,10             | 0,08             | 0,05             | 3,67                      | 3,27                      | 9,12                      | 1,84   | 1,02   | 2,32   | 0,18             |
| 3540 | 16:26:16 | 0,22             | 0,09             | 0,07             | 3,67                      | 3,27                      | 9,12                      | 0,26   | 0,75   | 2,17   | 0,34             |
| 3541 | 16:26:21 | 0,01             | 0,04             | 0,04             | 3,67                      | 3,27                      | 9,12                      | 1,38   | 0,78   | 3,84   | 0,07             |
| 3542 | 16:26:26 | 0,29             | 0,25             | 0,22             | 3,67                      | 3,27                      | 9,12                      | 1,81   | 1,63   | 8,15   | 0,58             |
| 3543 | 16:26:31 | 0,09             | 0,07             | 0,11             | 3,67                      | 3,27                      | 9,12                      | 0,26   | 0,66   | 1,24   | 0,20             |
| 3544 | 16:26:36 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,32   | 1,09   | 2,57   | 0,03             |
| 3545 | 16:26:41 | 0,01             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,58   | 3,20   | 2,27   | 0,02             |
| 3546 | 16:26:46 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,06   | 2,20   | 3,94   | 0,02             |
| 3547 | 16:26:51 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,99   | 1,34   | 2,13   | 0,02             |
| 3548 | 16:26:56 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,08   | 2,27   | 2,47   | 0,02             |
| 3549 | 16:27:01 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,41   | 2,28   | 2,63   | 0,02             |
| 3550 | 16:27:06 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,83   | 3,10   | 2,04   | 0,02             |
| 3551 | 16:27:11 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,24   | 3,58   | 2,88   | 0,02             |
| 3552 | 16:27:16 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,47   | 1,66   | 2,62   | 0,02             |
| 3553 | 16:27:21 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,98   | 2,52   | 2,29   | 0,02             |
| 3554 | 16:27:26 | 0,01             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,37   | 2,37   | 2,13   | 0,02             |
| 3555 | 16:27:31 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,58   | 2,90   | 2,14   | 0,02             |
| 3556 | 16:27:36 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,63   | 1,00   | 1,97   | 0,02             |
| 3557 | 16:27:41 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,39   | 2,09   | 2,19   | 0,02             |
| 3558 | 16:27:46 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,08   | 1,86   | 2,91   | 0,02             |
| 3559 | 16:27:51 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,25   | 3,10   | 2,78   | 0,02             |
| 3560 | 16:27:56 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,20   | 2,01   | 2,38   | 0,02             |
| 3561 | 16:28:01 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,55   | 1,90   | 2,75   | 0,02             |
| 3562 | 16:28:06 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,11   | 2,01   | 3,07   | 0,02             |
| 3563 | 16:28:11 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,89   | 1,15   | 3,41   | 0,02             |
| 3564 | 16:28:16 | 0,01             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,62   | 2,56   | 2,47   | 0,02             |
| 3565 | 16:28:21 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,01   | 1,77   | 2,29   | 0,02             |
| 3566 | 16:28:26 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,07   | 2,70   | 2,30   | 0,02             |
| 3567 | 16:28:31 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,15   | 1,84   | 2,71   | 0,02             |
| 3568 | 16:28:36 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,26   | 2,76   | 2,06   | 0,02             |
| 3569 | 16:28:41 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 3,21   | 2,01   | 3,30   | 0,02             |
| 3570 | 16:28:46 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,86   | 1,70   | 2,90   | 0,02             |
| 3571 | 16:28:51 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,84   | 2,02   | 2,46   | 0,02             |
| 3572 | 16:28:56 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,51   | 1,99   | 2,78   | 0,02             |
| 3573 | 16:29:01 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,90   | 2,60   | 2,17   | 0,02             |
| 3574 | 16:29:06 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,43   | 2,49   | 3,98   | 0,02             |
| 3575 | 16:29:11 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,75   | 3,19   | 2,83   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3576 | 16:29:16 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,08   | 2,24   | 2,94   | 0,02             |
| 3577 | 16:29:21 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,00   | 1,79   | 2,44   | 0,02             |
| 3578 | 16:29:26 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,79   | 1,46   | 2,58   | 0,02             |
| 3579 | 16:29:31 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,37   | 1,43   | 2,78   | 0,02             |
| 3580 | 16:29:36 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 0,98   | 1,22   | 2,55   | 0,02             |
| 3581 | 16:29:41 | 0,01             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,11   | 2,32   | 2,67   | 0,02             |
| 3582 | 16:29:46 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,46   | 1,98   | 2,54   | 0,02             |
| 3583 | 16:29:51 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 3,08   | 1,48   | 2,47   | 0,02             |
| 3584 | 16:29:56 | 0,01             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,80   | 3,57   | 1,81   | 0,02             |
| 3585 | 16:30:01 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,37   | 1,73   | 2,86   | 0,02             |
| 3586 | 16:30:06 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,66   | 1,62   | 3,36   | 0,02             |
| 3587 | 16:30:11 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,76   | 2,17   | 2,73   | 0,02             |
| 3588 | 16:30:16 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,86   | 2,34   | 2,39   | 0,03             |
| 3589 | 16:30:21 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,36   | 1,46   | 3,60   | 0,02             |
| 3590 | 16:30:26 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,46   | 1,47   | 2,73   | 0,02             |
| 3591 | 16:30:31 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,04   | 2,66   | 3,34   | 0,02             |
| 3592 | 16:30:36 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,73   | 1,30   | 2,81   | 0,02             |
| 3593 | 16:30:41 | 0,01             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,41   | 2,26   | 2,29   | 0,02             |
| 3594 | 16:30:46 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,72   | 4,09   | 2,61   | 0,02             |
| 3595 | 16:30:51 | 0,00             | 0,01             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 1,97   | 1,64   | 3,17   | 0,02             |
| 3596 | 16:30:56 | 0,00             | 0,00             | 0,02             | 3,67                      | 3,27                      | 9,12                      | 2,00   | 2,07   | 1,76   | 0,02             |
| 3597 | 16:31:01 | 0,01             | 0,01             | 0,03             | 3,67                      | 3,27                      | 9,12                      | 3,54   | 3,67   | 3,49   | 0,03             |
| 3598 | 16:31:06 | 0,03             | 0,06             | 0,16             | 3,67                      | 3,27                      | 9,12                      | 3,98   | 6,57   | 9,88   | 0,19             |
| 3599 | 16:31:11 | 0,36             | 0,14             | 0,64             | 3,68                      | 3,27                      | 9,32                      | 0,09   | 0,89   | 0,28   | 0,84             |
| 3600 | 16:31:16 | 0,03             | 0,04             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 0,37   | 0,69   | 2,62   | 0,08             |
| 3601 | 16:31:21 | 0,01             | 0,01             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 2,93   | 1,70   | 2,14   | 0,03             |
| 3602 | 16:31:26 | 0,00             | 0,01             | 0,02             | 3,68                      | 3,27                      | 9,32                      | 2,06   | 2,65   | 1,97   | 0,03             |
| 3603 | 16:31:31 | 0,00             | 0,01             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 2,36   | 2,97   | 2,32   | 0,03             |
| 3604 | 16:31:36 | 0,01             | 0,02             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 1,75   | 0,72   | 2,77   | 0,04             |
| 3605 | 16:31:41 | 0,01             | 0,01             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 1,73   | 1,95   | 2,22   | 0,04             |
| 3606 | 16:31:46 | 0,01             | 0,01             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 2,21   | 2,89   | 3,01   | 0,03             |
| 3607 | 16:31:51 | 0,01             | 0,01             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 3,17   | 2,75   | 2,12   | 0,03             |
| 3608 | 16:31:56 | 0,01             | 0,01             | 0,02             | 3,68                      | 3,27                      | 9,32                      | 2,70   | 3,04   | 2,99   | 0,03             |
| 3609 | 16:32:01 | 0,01             | 0,06             | 0,03             | 3,68                      | 3,27                      | 9,32                      | 4,41   | 2,02   | 3,60   | 0,09             |
| 3610 | 16:32:06 | 0,01             | 0,06             | 0,05             | 3,68                      | 3,27                      | 9,32                      | 0,86   | 0,86   | 1,12   | 0,10             |
| 3611 | 16:32:11 | 0,01             | 0,01             | 0,02             | 3,68                      | 3,27                      | 9,32                      | 2,50   | 2,01   | 3,01   | 0,03             |
| 3612 | 16:32:16 | 0,00             | 0,01             | 0,02             | 3,68                      | 3,27                      | 9,32                      | 2,08   | 1,99   | 2,70   | 0,03             |
| 3613 | 16:32:21 | 0,04             | 0,04             | 0,08             | 3,68                      | 3,27                      | 9,32                      | 3,69   | 3,51   | 1,58   | 0,12             |
| 3614 | 16:32:26 | 0,38             | 0,19             | 0,15             | 3,68                      | 3,27                      | 9,32                      | 1,85   | 1,55   | 2,61   | 0,61             |
| 3615 | 16:32:31 | 0,26             | 0,22             | 0,22             | 3,68                      | 3,27                      | 9,32                      | 0,76   | 1,88   | 2,77   | 0,53             |
| 3616 | 16:32:36 | 0,34             | 0,23             | 0,66             | 3,68                      | 3,27                      | 9,32                      | 2,92   | 1,94   | 1,73   | 0,88             |
| 3617 | 16:32:41 | 0,39             | 0,38             | 0,54             | 3,68                      | 3,27                      | 9,33                      | 0,75   | 0,85   | 1,58   | 0,94             |
| 3618 | 16:32:46 | 0,21             | 0,20             | 0,45             | 3,69                      | 3,28                      | 9,33                      | 1,85   | 3,07   | 1,99   | 0,60             |
| 3619 | 16:32:51 | 0,10             | 0,20             | 0,37             | 3,69                      | 3,28                      | 9,33                      | 1,46   | 1,67   | 1,82   | 0,49             |
| 3620 | 16:32:56 | 0,14             | 0,16             | 0,35             | 3,69                      | 3,28                      | 9,33                      | 1,21   | 1,86   | 1,74   | 0,46             |
| 3621 | 16:33:01 | 0,16             | 0,16             | 0,36             | 3,69                      | 3,28                      | 9,33                      | 4,65   | 3,49   | 3,81   | 0,48             |
| 3622 | 16:33:06 | 0,12             | 0,18             | 0,42             | 3,69                      | 3,28                      | 9,33                      | 2,10   | 1,87   | 2,60   | 0,52             |
| 3623 | 16:33:11 | 0,15             | 0,15             | 0,46             | 3,69                      | 3,28                      | 9,33                      | 2,02   | 1,52   | 3,67   | 0,55             |
| 3624 | 16:33:16 | 0,10             | 0,19             | 0,34             | 3,69                      | 3,28                      | 9,33                      | 2,33   | 1,95   | 2,31   | 0,45             |
| 3625 | 16:33:21 | 0,20             | 0,24             | 0,48             | 3,69                      | 3,28                      | 9,33                      | 2,12   | 0,92   | 0,96   | 0,65             |
| 3626 | 16:33:26 | 0,22             | 0,16             | 0,42             | 3,69                      | 3,28                      | 9,33                      | 1,68   | 4,11   | 4,95   | 0,57             |
| 3627 | 16:33:31 | 0,15             | 0,16             | 0,28             | 3,69                      | 3,28                      | 9,33                      | 1,52   | 1,62   | 2,00   | 0,41             |
| 3628 | 16:33:36 | 0,22             | 0,19             | 0,35             | 3,69                      | 3,28                      | 9,33                      | 3,16   | 1,85   | 1,18   | 0,54             |
| 3629 | 16:33:41 | 0,11             | 0,23             | 0,25             | 3,69                      | 3,28                      | 9,33                      | 0,89   | 1,51   | 2,23   | 0,43             |
| 3630 | 16:33:46 | 0,20             | 0,10             | 0,24             | 3,69                      | 3,28                      | 9,33                      | 0,90   | 1,18   | 2,15   | 0,39             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3631 | 16:33:51 | 0,16             | 0,11             | 0,18             | 3,69                      | 3,28                      | 9,33                      | 2,15   | 1,82   | 1,58   | 0,33             |
| 3632 | 16:33:56 | 0,41             | 0,15             | 0,16             | 3,69                      | 3,28                      | 9,33                      | 1,63   | 1,54   | 3,91   | 0,63             |
| 3633 | 16:34:01 | 0,36             | 0,27             | 0,27             | 3,69                      | 3,28                      | 9,33                      | 0,74   | 1,31   | 1,44   | 0,69             |
| 3634 | 16:34:06 | 0,07             | 0,07             | 0,15             | 3,69                      | 3,28                      | 9,33                      | 2,60   | 2,29   | 2,35   | 0,20             |
| 3635 | 16:34:11 | 0,36             | 0,07             | 0,14             | 3,69                      | 3,28                      | 9,33                      | 2,64   | 2,15   | 2,36   | 0,53             |
| 3636 | 16:34:16 | 0,26             | 0,09             | 0,07             | 3,69                      | 3,28                      | 9,33                      | 0,08   | 0,20   | 0,79   | 0,39             |
| 3637 | 16:34:21 | 0,10             | 0,02             | 0,03             | 3,69                      | 3,28                      | 9,33                      | 4,37   | 5,47   | 5,49   | 0,15             |
| 3638 | 16:34:26 | 0,28             | 0,12             | 0,09             | 3,69                      | 3,28                      | 9,33                      | 0,61   | 0,56   | 0,78   | 0,44             |
| 3639 | 16:34:31 | 0,17             | 0,04             | 0,04             | 3,69                      | 3,28                      | 9,33                      | 0,06   | 0,63   | 1,08   | 0,25             |
| 3640 | 16:34:36 | 0,01             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 2,00   | 1,27   | 2,81   | 0,03             |
| 3641 | 16:34:41 | 0,22             | 0,10             | 0,11             | 3,69                      | 3,28                      | 9,33                      | 3,55   | 3,50   | 4,05   | 0,36             |
| 3642 | 16:34:46 | 0,31             | 0,26             | 0,21             | 3,69                      | 3,28                      | 9,33                      | 1,16   | 1,62   | 1,54   | 0,61             |
| 3643 | 16:34:51 | 0,18             | 0,22             | 0,36             | 3,69                      | 3,28                      | 9,33                      | 0,54   | 0,81   | 0,88   | 0,53             |
| 3644 | 16:34:56 | 0,27             | 0,17             | 0,67             | 3,69                      | 3,28                      | 9,33                      | 1,17   | 3,11   | 0,85   | 0,81             |
| 3645 | 16:35:01 | 0,06             | 0,15             | 0,12             | 3,69                      | 3,28                      | 9,33                      | 1,55   | 1,49   | 1,31   | 0,25             |
| 3646 | 16:35:06 | 0,15             | 0,05             | 0,05             | 3,69                      | 3,28                      | 9,33                      | 0,37   | 0,37   | 1,07   | 0,23             |
| 3647 | 16:35:11 | 0,01             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 1,44   | 2,00   | 3,16   | 0,03             |
| 3648 | 16:35:16 | 0,00             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 1,60   | 2,28   | 2,76   | 0,02             |
| 3649 | 16:35:21 | 0,00             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 2,09   | 2,70   | 2,32   | 0,02             |
| 3650 | 16:35:26 | 0,01             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 1,85   | 2,17   | 3,13   | 0,02             |
| 3651 | 16:35:31 | 0,00             | 0,01             | 0,02             | 3,69                      | 3,28                      | 9,33                      | 2,40   | 2,19   | 2,89   | 0,03             |
| 3652 | 16:35:36 | 0,02             | 0,02             | 0,03             | 3,69                      | 3,28                      | 9,33                      | 2,83   | 4,57   | 3,78   | 0,05             |
| 3653 | 16:35:41 | 0,41             | 0,05             | 0,13             | 3,70                      | 3,28                      | 9,33                      | 1,96   | 2,79   | 3,05   | 0,60             |
| 3654 | 16:35:46 | 0,42             | 0,34             | 0,53             | 3,70                      | 3,28                      | 9,33                      | 2,09   | 3,69   | 1,92   | 0,92             |
| 3655 | 16:35:51 | 0,16             | 0,31             | 0,35             | 3,70                      | 3,28                      | 9,33                      | 1,09   | 0,63   | 2,29   | 0,60             |
| 3656 | 16:35:56 | 0,09             | 0,13             | 0,19             | 3,70                      | 3,28                      | 9,33                      | 2,64   | 1,83   | 1,56   | 0,29             |
| 3657 | 16:36:01 | 0,15             | 0,28             | 0,37             | 3,70                      | 3,28                      | 9,33                      | 2,82   | 3,71   | 2,66   | 0,58             |
| 3658 | 16:36:06 | 0,28             | 0,26             | 0,73             | 3,70                      | 3,28                      | 9,33                      | 2,22   | 2,95   | 1,48   | 0,91             |
| 3659 | 16:36:11 | 0,16             | 0,24             | 0,17             | 3,70                      | 3,28                      | 9,33                      | 0,83   | 1,87   | 2,59   | 0,43             |
| 3660 | 16:36:16 | 0,08             | 0,27             | 0,19             | 3,70                      | 3,29                      | 9,33                      | 1,45   | 0,86   | 1,91   | 0,43             |
| 3661 | 16:36:21 | 0,12             | 0,12             | 0,25             | 3,70                      | 3,29                      | 9,33                      | 1,86   | 3,02   | 5,46   | 0,34             |
| 3662 | 16:36:26 | 0,13             | 0,32             | 0,34             | 3,70                      | 3,29                      | 9,33                      | 1,47   | 1,31   | 0,90   | 0,60             |
| 3663 | 16:36:31 | 0,21             | 0,15             | 0,16             | 3,70                      | 3,29                      | 9,33                      | 0,31   | 0,87   | 2,08   | 0,40             |
| 3664 | 16:36:36 | 0,16             | 0,06             | 0,12             | 3,70                      | 3,29                      | 9,33                      | 2,98   | 1,74   | 1,72   | 0,27             |
| 3665 | 16:36:41 | 0,19             | 0,02             | 0,05             | 3,70                      | 3,29                      | 9,33                      | 0,09   | 0,71   | 0,89   | 0,27             |
| 3666 | 16:36:46 | 0,01             | 0,01             | 0,02             | 3,70                      | 3,29                      | 9,33                      | 2,42   | 2,26   | 2,68   | 0,02             |
| 3667 | 16:36:51 | 0,00             | 0,01             | 0,02             | 3,70                      | 3,29                      | 9,33                      | 2,64   | 2,41   | 2,69   | 0,02             |
| 3668 | 16:36:56 | 0,00             | 0,01             | 0,02             | 3,70                      | 3,29                      | 9,33                      | 1,79   | 2,08   | 2,64   | 0,03             |
| 3669 | 16:37:01 | 0,00             | 0,01             | 0,02             | 3,70                      | 3,29                      | 9,33                      | 2,36   | 2,23   | 3,05   | 0,02             |
| 3670 | 16:37:06 | 0,04             | 0,03             | 0,05             | 3,70                      | 3,29                      | 9,33                      | 4,21   | 4,37   | 5,57   | 0,09             |
| 3671 | 16:37:11 | 0,02             | 0,04             | 0,04             | 3,70                      | 3,29                      | 9,33                      | 0,65   | 0,79   | 2,05   | 0,08             |
| 3672 | 16:37:16 | 0,35             | 0,14             | 0,14             | 3,70                      | 3,29                      | 9,33                      | 2,46   | 2,98   | 3,32   | 0,55             |
| 3673 | 16:37:21 | 0,27             | 0,19             | 0,36             | 3,70                      | 3,29                      | 9,33                      | 0,76   | 2,71   | 2,14   | 0,59             |
| 3674 | 16:37:26 | 0,12             | 0,15             | 0,19             | 3,70                      | 3,29                      | 9,33                      | 2,46   | 0,86   | 1,73   | 0,32             |
| 3675 | 16:37:31 | 0,14             | 0,08             | 0,21             | 3,70                      | 3,29                      | 9,33                      | 0,92   | 1,76   | 2,34   | 0,30             |
| 3676 | 16:37:36 | 0,05             | 0,11             | 0,22             | 3,70                      | 3,29                      | 9,33                      | 1,90   | 1,81   | 1,48   | 0,28             |
| 3677 | 16:37:41 | 0,05             | 0,11             | 0,20             | 3,70                      | 3,29                      | 9,33                      | 2,43   | 2,80   | 1,47   | 0,27             |
| 3678 | 16:37:46 | 0,17             | 0,12             | 0,29             | 3,70                      | 3,29                      | 9,33                      | 3,59   | 2,48   | 2,81   | 0,41             |
| 3679 | 16:37:51 | 0,16             | 0,15             | 0,23             | 3,70                      | 3,29                      | 9,33                      | 0,83   | 1,24   | 2,18   | 0,39             |
| 3680 | 16:37:56 | 0,12             | 0,17             | 0,34             | 3,70                      | 3,29                      | 9,33                      | 1,15   | 1,82   | 1,14   | 0,44             |
| 3681 | 16:38:01 | 0,12             | 0,15             | 0,34             | 3,70                      | 3,29                      | 9,33                      | 1,90   | 1,49   | 1,69   | 0,43             |
| 3682 | 16:38:06 | 0,07             | 0,15             | 0,21             | 3,70                      | 3,29                      | 9,33                      | 1,15   | 1,43   | 1,75   | 0,31             |
| 3683 | 16:38:11 | 0,07             | 0,12             | 0,24             | 3,70                      | 3,29                      | 9,33                      | 1,65   | 1,54   | 2,03   | 0,31             |
| 3684 | 16:38:16 | 0,08             | 0,12             | 0,21             | 3,70                      | 3,29                      | 9,33                      | 3,08   | 1,77   | 2,83   | 0,29             |
| 3685 | 16:38:21 | 0,13             | 0,15             | 0,14             | 3,70                      | 3,29                      | 9,33                      | 0,39   | 1,73   | 1,23   | 0,31             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3686 | 16:38:26 | 0,10            | 0,03            | 0,04            | 3,70                     | 3,29                     | 9,33                     | 0,30   | 0,74   | 1,54   | 0,15            |
| 3687 | 16:38:31 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 2,04   | 2,90   | 2,63   | 0,02            |
| 3688 | 16:38:36 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,58   | 2,21   | 2,99   | 0,02            |
| 3689 | 16:38:41 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 2,97   | 3,27   | 2,72   | 0,02            |
| 3690 | 16:38:46 | 0,01            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,81   | 2,16   | 2,83   | 0,02            |
| 3691 | 16:38:51 | 0,01            | 0,00            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,54   | 2,36   | 3,21   | 0,02            |
| 3692 | 16:38:56 | 0,01            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,83   | 2,11   | 3,34   | 0,02            |
| 3693 | 16:39:01 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 2,10   | 2,08   | 2,41   | 0,02            |
| 3694 | 16:39:06 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,91   | 2,26   | 2,51   | 0,02            |
| 3695 | 16:39:11 | 0,01            | 0,01            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 1,83   | 1,96   | 2,21   | 0,04            |
| 3696 | 16:39:16 | 0,02            | 0,02            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 1,51   | 1,12   | 1,56   | 0,05            |
| 3697 | 16:39:21 | 0,25            | 0,06            | 0,09            | 3,70                     | 3,29                     | 9,33                     | 2,43   | 2,33   | 2,93   | 0,36            |
| 3698 | 16:39:26 | 0,25            | 0,20            | 0,41            | 3,70                     | 3,29                     | 9,33                     | 2,33   | 1,81   | 2,28   | 0,61            |
| 3699 | 16:39:31 | 0,09            | 0,09            | 0,14            | 3,70                     | 3,29                     | 9,33                     | 1,09   | 1,88   | 2,10   | 0,22            |
| 3700 | 16:39:36 | 0,07            | 0,11            | 0,22            | 3,70                     | 3,29                     | 9,33                     | 1,16   | 1,47   | 1,90   | 0,29            |
| 3701 | 16:39:41 | 0,05            | 0,10            | 0,18            | 3,70                     | 3,29                     | 9,33                     | 2,40   | 2,88   | 1,50   | 0,24            |
| 3702 | 16:39:46 | 0,05            | 0,09            | 0,18            | 3,70                     | 3,29                     | 9,33                     | 1,98   | 2,24   | 1,97   | 0,23            |
| 3703 | 16:39:51 | 0,10            | 0,13            | 0,47            | 3,70                     | 3,29                     | 9,33                     | 0,86   | 1,22   | 0,93   | 0,53            |
| 3704 | 16:39:56 | 0,11            | 0,08            | 0,26            | 3,70                     | 3,29                     | 9,33                     | 4,06   | 1,56   | 1,04   | 0,33            |
| 3705 | 16:40:01 | 0,30            | 0,03            | 0,08            | 3,70                     | 3,29                     | 9,33                     | 0,29   | 0,53   | 1,07   | 0,43            |
| 3706 | 16:40:06 | 0,01            | 0,01            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 2,35   | 1,86   | 2,87   | 0,03            |
| 3707 | 16:40:11 | 0,01            | 0,01            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 1,35   | 1,64   | 1,98   | 0,03            |
| 3708 | 16:40:16 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 2,35   | 2,01   | 2,63   | 0,02            |
| 3709 | 16:40:21 | 0,01            | 0,02            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 3,74   | 3,37   | 6,21   | 0,04            |
| 3710 | 16:40:26 | 0,30            | 0,05            | 0,09            | 3,70                     | 3,29                     | 9,33                     | 2,45   | 3,46   | 3,33   | 0,44            |
| 3711 | 16:40:31 | 0,17            | 0,28            | 0,30            | 3,70                     | 3,29                     | 9,33                     | 1,20   | 2,76   | 1,60   | 0,55            |
| 3712 | 16:40:36 | 0,17            | 0,23            | 0,16            | 3,70                     | 3,29                     | 9,33                     | 1,70   | 0,59   | 1,75   | 0,43            |
| 3713 | 16:40:41 | 0,13            | 0,06            | 0,15            | 3,70                     | 3,29                     | 9,33                     | 1,81   | 1,92   | 1,95   | 0,25            |
| 3714 | 16:40:46 | 0,10            | 0,07            | 0,12            | 3,70                     | 3,29                     | 9,33                     | 0,92   | 1,18   | 2,03   | 0,21            |
| 3715 | 16:40:51 | 0,13            | 0,02            | 0,05            | 3,70                     | 3,29                     | 9,33                     | 0,25   | 1,06   | 1,65   | 0,19            |
| 3716 | 16:40:56 | 0,01            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 2,23   | 2,22   | 2,74   | 0,03            |
| 3717 | 16:41:01 | 0,01            | 0,01            | 0,03            | 3,70                     | 3,29                     | 9,33                     | 1,30   | 1,26   | 1,56   | 0,03            |
| 3718 | 16:41:06 | 0,01            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 3,04   | 3,67   | 2,12   | 0,03            |
| 3719 | 16:41:11 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,29                     | 9,33                     | 1,81   | 2,40   | 2,32   | 0,02            |
| 3720 | 16:41:16 | 0,13            | 0,04            | 0,05            | 3,70                     | 3,29                     | 9,33                     | 2,95   | 3,54   | 3,58   | 0,20            |
| 3721 | 16:41:21 | 0,29            | 0,26            | 0,29            | 3,70                     | 3,29                     | 9,33                     | 1,02   | 1,92   | 3,09   | 0,61            |
| 3722 | 16:41:26 | 0,15            | 0,49            | 0,23            | 3,70                     | 3,30                     | 9,33                     | 2,62   | 0,49   | 1,89   | 0,75            |
| 3723 | 16:41:31 | 0,08            | 0,17            | 0,15            | 3,70                     | 3,30                     | 9,33                     | 1,75   | 0,97   | 2,27   | 0,30            |
| 3724 | 16:41:36 | 0,07            | 0,16            | 0,19            | 3,70                     | 3,30                     | 9,33                     | 2,02   | 2,36   | 2,18   | 0,32            |
| 3725 | 16:41:41 | 0,08            | 0,17            | 0,28            | 3,70                     | 3,30                     | 9,33                     | 3,19   | 1,12   | 1,23   | 0,38            |
| 3726 | 16:41:46 | 0,25            | 0,10            | 0,18            | 3,70                     | 3,30                     | 9,33                     | 2,85   | 1,62   | 1,73   | 0,42            |
| 3727 | 16:41:51 | 0,20            | 0,31            | 0,47            | 3,70                     | 3,30                     | 9,33                     | 1,26   | 2,20   | 1,31   | 0,70            |
| 3728 | 16:41:56 | 0,06            | 0,16            | 0,18            | 3,70                     | 3,30                     | 9,33                     | 2,77   | 1,57   | 2,07   | 0,30            |
| 3729 | 16:42:01 | 0,09            | 0,12            | 0,20            | 3,70                     | 3,30                     | 9,33                     | 4,40   | 1,61   | 2,07   | 0,29            |
| 3730 | 16:42:06 | 0,18            | 0,07            | 0,10            | 3,70                     | 3,30                     | 9,33                     | 1,26   | 0,77   | 1,57   | 0,29            |
| 3731 | 16:42:11 | 0,07            | 0,01            | 0,03            | 3,70                     | 3,30                     | 9,33                     | 0,16   | 0,91   | 2,74   | 0,11            |
| 3732 | 16:42:16 | 0,00            | 0,01            | 0,02            | 3,70                     | 3,30                     | 9,33                     | 1,60   | 2,83   | 2,69   | 0,03            |
| 3733 | 16:42:21 | 0,10            | 0,03            | 0,04            | 3,70                     | 3,30                     | 9,33                     | 5,12   | 2,31   | 3,48   | 0,16            |
| 3734 | 16:42:26 | 0,31            | 0,09            | 0,16            | 3,71                     | 3,30                     | 9,33                     | 0,88   | 1,86   | 5,85   | 0,48            |
| 3735 | 16:42:31 | 0,33            | 0,26            | 0,59            | 3,71                     | 3,30                     | 9,33                     | 0,92   | 1,21   | 1,67   | 0,84            |
| 3736 | 16:42:36 | 0,07            | 0,13            | 0,28            | 3,71                     | 3,30                     | 9,33                     | 2,37   | 2,12   | 2,82   | 0,35            |
| 3737 | 16:42:41 | 0,14            | 0,22            | 0,49            | 3,71                     | 3,30                     | 9,33                     | 3,13   | 2,70   | 2,68   | 0,61            |
| 3738 | 16:42:46 | 0,10            | 0,22            | 0,41            | 3,71                     | 3,30                     | 9,33                     | 2,15   | 2,42   | 2,46   | 0,54            |
| 3739 | 16:42:51 | 0,09            | 0,21            | 0,35            | 3,71                     | 3,30                     | 9,33                     | 1,75   | 2,07   | 1,47   | 0,48            |
| 3740 | 16:42:56 | 0,11            | 0,18            | 0,39            | 3,71                     | 3,30                     | 9,33                     | 2,09   | 2,90   | 2,65   | 0,49            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3741 | 16:43:01 | 0,11             | 0,13             | 0,50             | 3,71                      | 3,30                      | 9,33                      | 1,38   | 1,67   | 0,76   | 0,55             |
| 3742 | 16:43:06 | 0,08             | 0,16             | 0,28             | 3,71                      | 3,30                      | 9,33                      | 2,32   | 1,69   | 4,25   | 0,37             |
| 3743 | 16:43:11 | 0,13             | 0,09             | 0,23             | 3,71                      | 3,30                      | 9,33                      | 2,55   | 3,03   | 2,77   | 0,32             |
| 3744 | 16:43:16 | 0,28             | 0,30             | 0,21             | 3,71                      | 3,30                      | 9,33                      | 1,80   | 1,47   | 2,76   | 0,61             |
| 3745 | 16:43:21 | 0,28             | 0,26             | 0,22             | 3,71                      | 3,30                      | 9,33                      | 0,73   | 0,58   | 1,26   | 0,58             |
| 3746 | 16:43:26 | 0,24             | 0,17             | 0,43             | 3,71                      | 3,30                      | 9,33                      | 2,79   | 1,75   | 1,71   | 0,60             |
| 3747 | 16:43:31 | 0,24             | 0,16             | 0,35             | 3,71                      | 3,30                      | 9,33                      | 0,76   | 2,42   | 3,26   | 0,54             |
| 3748 | 16:43:36 | 0,12             | 0,18             | 0,45             | 3,71                      | 3,30                      | 9,33                      | 1,96   | 1,43   | 1,68   | 0,54             |
| 3749 | 16:43:41 | 0,11             | 0,19             | 0,31             | 3,71                      | 3,30                      | 9,33                      | 1,62   | 1,38   | 2,29   | 0,44             |
| 3750 | 16:43:46 | 0,44             | 0,23             | 0,81             | 3,71                      | 3,30                      | 9,34                      | 2,32   | 3,60   | 2,42   | 1,07             |
| 3751 | 16:43:51 | 0,19             | 0,46             | 0,44             | 3,71                      | 3,31                      | 9,34                      | 0,85   | 0,63   | 1,68   | 0,83             |
| 3752 | 16:43:56 | 0,07             | 0,12             | 0,17             | 3,71                      | 3,31                      | 9,34                      | 1,57   | 1,56   | 2,69   | 0,26             |
| 3753 | 16:44:01 | 0,12             | 0,17             | 0,21             | 3,71                      | 3,31                      | 9,34                      | 2,57   | 4,03   | 3,98   | 0,36             |
| 3754 | 16:44:06 | 0,19             | 0,21             | 0,09             | 3,71                      | 3,31                      | 9,34                      | 0,29   | 0,17   | 0,82   | 0,40             |
| 3755 | 16:44:11 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,31                      | 9,34                      | 1,31   | 1,36   | 1,86   | 0,03             |
| 3756 | 16:44:16 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,31                      | 9,34                      | 1,89   | 3,18   | 2,02   | 0,02             |
| 3757 | 16:44:21 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,31                      | 9,34                      | 1,20   | 2,99   | 1,65   | 0,03             |
| 3758 | 16:44:26 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,31                      | 9,34                      | 2,68   | 2,69   | 2,83   | 0,02             |
| 3759 | 16:44:31 | 0,02             | 0,01             | 0,02             | 3,71                      | 3,31                      | 9,34                      | 0,70   | 1,82   | 2,51   | 0,04             |
| 3760 | 16:44:36 | 0,40             | 0,14             | 0,25             | 3,71                      | 3,31                      | 9,34                      | 1,91   | 3,69   | 1,90   | 0,64             |
| 3761 | 16:44:41 | 0,25             | 0,54             | 0,44             | 3,71                      | 3,32                      | 9,34                      | 1,01   | 2,94   | 2,04   | 0,94             |
| 3762 | 16:44:46 | 0,11             | 0,15             | 0,22             | 3,71                      | 3,32                      | 9,34                      | 1,33   | 1,19   | 2,20   | 0,34             |
| 3763 | 16:44:51 | 0,14             | 0,09             | 0,18             | 3,71                      | 3,32                      | 9,34                      | 1,60   | 1,65   | 1,98   | 0,29             |
| 3764 | 16:44:56 | 0,18             | 0,36             | 0,44             | 3,71                      | 3,32                      | 9,34                      | 1,21   | 1,43   | 1,48   | 0,72             |
| 3765 | 16:45:01 | 0,14             | 0,28             | 0,27             | 3,71                      | 3,32                      | 9,34                      | 1,09   | 2,49   | 0,80   | 0,52             |
| 3766 | 16:45:06 | 0,06             | 0,21             | 0,11             | 3,71                      | 3,32                      | 9,34                      | 2,63   | 0,67   | 2,88   | 0,32             |
| 3767 | 16:45:11 | 0,08             | 0,15             | 0,09             | 3,71                      | 3,32                      | 9,34                      | 3,31   | 3,06   | 1,99   | 0,26             |
| 3768 | 16:45:16 | 0,14             | 0,41             | 0,10             | 3,71                      | 3,32                      | 9,34                      | 0,25   | 0,56   | 1,18   | 0,61             |
| 3769 | 16:45:21 | 0,13             | 0,10             | 0,07             | 3,71                      | 3,32                      | 9,34                      | 1,36   | 1,48   | 1,67   | 0,24             |
| 3770 | 16:45:26 | 0,14             | 0,08             | 0,05             | 3,71                      | 3,32                      | 9,34                      | 2,39   | 1,53   | 3,20   | 0,23             |
| 3771 | 16:45:31 | 0,16             | 0,05             | 0,05             | 3,71                      | 3,32                      | 9,34                      | 1,59   | 0,65   | 1,94   | 0,24             |
| 3772 | 16:45:36 | 0,09             | 0,06             | 0,05             | 3,71                      | 3,32                      | 9,34                      | 0,72   | 0,95   | 1,60   | 0,15             |
| 3773 | 16:45:41 | 0,02             | 0,02             | 0,04             | 3,71                      | 3,32                      | 9,34                      | 3,57   | 3,05   | 2,54   | 0,06             |
| 3774 | 16:45:46 | 0,01             | 0,02             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,10   | 0,55   | 2,02   | 0,04             |
| 3775 | 16:45:51 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,48   | 2,43   | 3,30   | 0,02             |
| 3776 | 16:45:56 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,70   | 1,58   | 2,17   | 0,02             |
| 3777 | 16:46:01 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,32                      | 9,34                      | 2,71   | 1,66   | 2,82   | 0,03             |
| 3778 | 16:46:06 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,66   | 1,64   | 3,71   | 0,02             |
| 3779 | 16:46:11 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,97   | 1,86   | 2,22   | 0,02             |
| 3780 | 16:46:16 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,01   | 1,33   | 2,36   | 0,02             |
| 3781 | 16:46:21 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,56   | 0,89   | 2,34   | 0,03             |
| 3782 | 16:46:26 | 0,02             | 0,02             | 0,06             | 3,71                      | 3,32                      | 9,34                      | 3,93   | 2,65   | 13,23  | 0,07             |
| 3783 | 16:46:31 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,32                      | 9,34                      | 1,37   | 1,44   | 3,03   | 0,03             |
| 3784 | 16:46:36 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,48   | 1,30   | 2,18   | 0,03             |
| 3785 | 16:46:41 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,35   | 2,96   | 2,22   | 0,03             |
| 3786 | 16:46:46 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,94   | 1,67   | 2,74   | 0,02             |
| 3787 | 16:46:51 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 3,05   | 1,33   | 2,34   | 0,02             |
| 3788 | 16:46:56 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,24   | 2,07   | 2,49   | 0,02             |
| 3789 | 16:47:01 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,13   | 1,53   | 2,58   | 0,02             |
| 3790 | 16:47:06 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,27   | 1,99   | 2,57   | 0,02             |
| 3791 | 16:47:11 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,74   | 1,39   | 2,48   | 0,02             |
| 3792 | 16:47:16 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,62   | 2,45   | 2,62   | 0,02             |
| 3793 | 16:47:21 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,66   | 1,86   | 2,29   | 0,02             |
| 3794 | 16:47:26 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,23   | 1,91   | 3,53   | 0,02             |
| 3795 | 16:47:31 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,35   | 2,39   | 2,14   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3796 | 16:47:36 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,30   | 1,67   | 2,19   | 0,02             |
| 3797 | 16:47:41 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,49   | 2,13   | 2,68   | 0,02             |
| 3798 | 16:47:46 | 0,02             | 0,03             | 0,05             | 3,71                      | 3,32                      | 9,34                      | 0,84   | 0,52   | 1,35   | 0,07             |
| 3799 | 16:47:51 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,32                      | 9,34                      | 1,17   | 2,34   | 2,27   | 0,03             |
| 3800 | 16:47:56 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,80   | 2,34   | 3,41   | 0,02             |
| 3801 | 16:48:01 | 0,02             | 0,02             | 0,03             | 3,71                      | 3,32                      | 9,34                      | 1,44   | 1,51   | 1,91   | 0,05             |
| 3802 | 16:48:06 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,83   | 2,06   | 2,49   | 0,02             |
| 3803 | 16:48:11 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,86   | 2,18   | 2,94   | 0,02             |
| 3804 | 16:48:16 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,11   | 2,74   | 3,42   | 0,03             |
| 3805 | 16:48:21 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,97   | 1,77   | 2,57   | 0,03             |
| 3806 | 16:48:26 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,67   | 1,91   | 2,60   | 0,02             |
| 3807 | 16:48:31 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 3,17   | 3,72   | 3,66   | 0,02             |
| 3808 | 16:48:36 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,83   | 1,54   | 3,67   | 0,02             |
| 3809 | 16:48:41 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,50   | 3,17   | 3,26   | 0,02             |
| 3810 | 16:48:46 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,76   | 1,37   | 2,95   | 0,02             |
| 3811 | 16:48:51 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,92   | 2,30   | 2,46   | 0,02             |
| 3812 | 16:48:56 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,82   | 2,00   | 2,27   | 0,02             |
| 3813 | 16:49:01 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,70   | 1,46   | 2,33   | 0,02             |
| 3814 | 16:49:06 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,84   | 2,79   | 2,85   | 0,02             |
| 3815 | 16:49:11 | 0,01             | 0,01             | 0,03             | 3,71                      | 3,32                      | 9,34                      | 0,76   | 0,98   | 1,79   | 0,04             |
| 3816 | 16:49:16 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,10   | 1,25   | 2,08   | 0,02             |
| 3817 | 16:49:21 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,64   | 2,18   | 2,40   | 0,03             |
| 3818 | 16:49:26 | 0,00             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 3,30   | 2,53   | 2,53   | 0,02             |
| 3819 | 16:49:31 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,85   | 2,70   | 2,07   | 0,02             |
| 3820 | 16:49:36 | 0,00             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,39   | 1,72   | 3,56   | 0,02             |
| 3821 | 16:49:41 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,71   | 1,61   | 2,29   | 0,02             |
| 3822 | 16:49:46 | 0,01             | 0,01             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 2,43   | 1,11   | 5,76   | 0,03             |
| 3823 | 16:49:51 | 0,01             | 0,00             | 0,02             | 3,71                      | 3,32                      | 9,34                      | 1,91   | 1,64   | 2,88   | 0,03             |
| 3824 | 16:49:56 | 0,02             | 0,03             | 0,05             | 3,71                      | 3,32                      | 9,34                      | 2,80   | 1,95   | 2,74   | 0,07             |
| 3825 | 16:50:01 | 0,37             | 0,26             | 0,13             | 3,72                      | 3,32                      | 9,34                      | 0,23   | 0,55   | 0,70   | 0,65             |
| 3826 | 16:50:06 | 0,02             | 0,05             | 0,15             | 3,72                      | 3,32                      | 9,34                      | 0,54   | 0,26   | 0,41   | 0,17             |
| 3827 | 16:50:11 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,58   | 1,43   | 3,58   | 0,02             |
| 3828 | 16:50:16 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,55   | 1,87   | 3,00   | 0,02             |
| 3829 | 16:50:21 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,70   | 2,11   | 3,27   | 0,02             |
| 3830 | 16:50:26 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,12   | 1,90   | 2,70   | 0,02             |
| 3831 | 16:50:31 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,10   | 2,49   | 2,87   | 0,02             |
| 3832 | 16:50:36 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,54   | 2,02   | 3,07   | 0,02             |
| 3833 | 16:50:41 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,58   | 2,73   | 3,02   | 0,02             |
| 3834 | 16:50:46 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,79   | 2,29   | 2,31   | 0,02             |
| 3835 | 16:50:51 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,51   | 2,47   | 2,52   | 0,02             |
| 3836 | 16:50:56 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,60   | 2,01   | 2,70   | 0,02             |
| 3837 | 16:51:01 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,39   | 3,49   | 3,73   | 0,02             |
| 3838 | 16:51:06 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,76   | 2,09   | 2,26   | 0,02             |
| 3839 | 16:51:11 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,22   | 1,23   | 2,69   | 0,02             |
| 3840 | 16:51:16 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,57   | 1,56   | 3,25   | 0,02             |
| 3841 | 16:51:21 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,47   | 3,26   | 2,77   | 0,02             |
| 3842 | 16:51:26 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,19   | 1,90   | 3,27   | 0,02             |
| 3843 | 16:51:31 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,37   | 1,72   | 2,62   | 0,02             |
| 3844 | 16:51:36 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,73   | 2,37   | 2,29   | 0,02             |
| 3845 | 16:51:41 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,16   | 2,12   | 2,12   | 0,02             |
| 3846 | 16:51:46 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,54   | 2,63   | 2,70   | 0,02             |
| 3847 | 16:51:51 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,30   | 1,02   | 2,48   | 0,02             |
| 3848 | 16:51:56 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,54   | 3,01   | 2,24   | 0,02             |
| 3849 | 16:52:01 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,77   | 2,37   | 2,75   | 0,02             |
| 3850 | 16:52:06 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,48   | 2,13   | 2,40   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3851 | 16:52:11 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,92   | 2,44   | 2,78   | 0,02             |
| 3852 | 16:52:16 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,49   | 1,53   | 3,15   | 0,02             |
| 3853 | 16:52:21 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,83   | 2,53   | 3,09   | 0,02             |
| 3854 | 16:52:26 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,33   | 2,21   | 1,66   | 0,02             |
| 3855 | 16:52:31 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,15   | 1,40   | 2,61   | 0,02             |
| 3856 | 16:52:36 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,34   | 1,54   | 2,75   | 0,02             |
| 3857 | 16:52:41 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,83   | 2,65   | 3,14   | 0,02             |
| 3858 | 16:52:46 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,30   | 2,25   | 3,08   | 0,02             |
| 3859 | 16:52:51 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,25   | 1,85   | 2,43   | 0,02             |
| 3860 | 16:52:56 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,81   | 1,87   | 2,21   | 0,02             |
| 3861 | 16:53:01 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,78   | 3,51   | 1,96   | 0,02             |
| 3862 | 16:53:06 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,97   | 3,58   | 2,74   | 0,02             |
| 3863 | 16:53:11 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,49   | 2,57   | 2,76   | 0,02             |
| 3864 | 16:53:16 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,35   | 2,62   | 3,13   | 0,02             |
| 3865 | 16:53:21 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,76   | 1,83   | 2,45   | 0,02             |
| 3866 | 16:53:26 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,91   | 2,50   | 2,24   | 0,02             |
| 3867 | 16:53:31 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,83   | 2,01   | 2,24   | 0,02             |
| 3868 | 16:53:36 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,59   | 2,31   | 2,74   | 0,02             |
| 3869 | 16:53:41 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,20   | 1,95   | 3,27   | 0,02             |
| 3870 | 16:53:46 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,11   | 2,61   | 2,15   | 0,02             |
| 3871 | 16:53:51 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,12   | 1,82   | 3,12   | 0,02             |
| 3872 | 16:53:57 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,60   | 1,90   | 3,26   | 0,02             |
| 3873 | 16:54:02 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,93   | 2,11   | 2,80   | 0,02             |
| 3874 | 16:54:07 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,94   | 1,33   | 2,47   | 0,02             |
| 3875 | 16:54:12 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,84   | 2,07   | 2,35   | 0,02             |
| 3876 | 16:54:17 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,22   | 1,43   | 3,25   | 0,02             |
| 3877 | 16:54:22 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,17   | 2,56   | 3,66   | 0,02             |
| 3878 | 16:54:27 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,83   | 2,08   | 2,67   | 0,02             |
| 3879 | 16:54:32 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,47   | 1,70   | 2,32   | 0,02             |
| 3880 | 16:54:37 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,77   | 1,21   | 2,85   | 0,02             |
| 3881 | 16:54:42 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,13   | 2,51   | 2,98   | 0,02             |
| 3882 | 16:54:47 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,26   | 2,47   | 2,68   | 0,02             |
| 3883 | 16:54:52 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,71   | 1,53   | 2,58   | 0,02             |
| 3884 | 16:54:57 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,42   | 1,37   | 2,83   | 0,02             |
| 3885 | 16:55:02 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,82   | 2,48   | 2,40   | 0,02             |
| 3886 | 16:55:07 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 0,85   | 2,75   | 2,81   | 0,02             |
| 3887 | 16:55:12 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,77   | 1,69   | 2,43   | 0,02             |
| 3888 | 16:55:17 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,01   | 1,90   | 2,76   | 0,02             |
| 3889 | 16:55:22 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,14   | 2,12   | 2,92   | 0,02             |
| 3890 | 16:55:27 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,73   | 2,14   | 2,75   | 0,02             |
| 3891 | 16:55:32 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,69   | 2,33   | 2,85   | 0,02             |
| 3892 | 16:55:37 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,87   | 2,77   | 3,18   | 0,02             |
| 3893 | 16:55:42 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,63   | 2,67   | 2,05   | 0,02             |
| 3894 | 16:55:47 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,19   | 2,12   | 2,48   | 0,02             |
| 3895 | 16:55:52 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,10   | 1,51   | 2,85   | 0,02             |
| 3896 | 16:55:57 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,31   | 2,70   | 3,05   | 0,02             |
| 3897 | 16:56:02 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,24   | 2,00   | 2,76   | 0,02             |
| 3898 | 16:56:07 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,56   | 1,15   | 3,52   | 0,02             |
| 3899 | 16:56:12 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,13   | 2,09   | 3,53   | 0,02             |
| 3900 | 16:56:17 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,73   | 1,65   | 3,04   | 0,02             |
| 3901 | 16:56:22 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,12   | 2,82   | 2,07   | 0,02             |
| 3902 | 16:56:27 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,60   | 1,48   | 3,44   | 0,02             |
| 3903 | 16:56:32 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,36   | 1,61   | 3,00   | 0,02             |
| 3904 | 16:56:37 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,68   | 2,11   | 2,64   | 0,02             |
| 3905 | 16:56:42 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,27   | 0,91   | 2,24   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 3906 | 16:56:47 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,77   | 1,96   | 3,29   | 0,02             |
| 3907 | 16:56:52 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,51   | 2,73   | 2,88   | 0,02             |
| 3908 | 16:56:57 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,16   | 1,69   | 2,03   | 0,02             |
| 3909 | 16:57:02 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,85   | 1,47   | 2,90   | 0,02             |
| 3910 | 16:57:07 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,15   | 2,99   | 2,85   | 0,02             |
| 3911 | 16:57:12 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,85   | 2,68   | 3,01   | 0,02             |
| 3912 | 16:57:17 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,14   | 2,28   | 2,26   | 0,02             |
| 3913 | 16:57:22 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,12   | 2,84   | 3,02   | 0,02             |
| 3914 | 16:57:27 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,59   | 1,63   | 2,66   | 0,02             |
| 3915 | 16:57:32 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,42   | 1,62   | 2,20   | 0,02             |
| 3916 | 16:57:38 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,13   | 1,71   | 2,18   | 0,02             |
| 3917 | 16:57:43 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,02   | 2,34   | 2,96   | 0,02             |
| 3918 | 16:57:48 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,25   | 1,57   | 2,29   | 0,02             |
| 3919 | 16:57:53 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,38   | 1,48   | 2,57   | 0,02             |
| 3920 | 16:57:58 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,09   | 1,54   | 2,61   | 0,02             |
| 3921 | 16:58:03 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,71   | 1,96   | 2,78   | 0,02             |
| 3922 | 16:58:08 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,09   | 2,36   | 2,86   | 0,02             |
| 3923 | 16:58:13 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,33   | 2,57   | 2,09   | 0,02             |
| 3924 | 16:58:18 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,02   | 2,46   | 2,52   | 0,02             |
| 3925 | 16:58:23 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,77   | 2,39   | 2,60   | 0,02             |
| 3926 | 16:58:28 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,26   | 2,47   | 2,65   | 0,02             |
| 3927 | 16:58:33 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,48   | 1,50   | 2,96   | 0,02             |
| 3928 | 16:58:38 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,79   | 2,20   | 2,37   | 0,02             |
| 3929 | 16:58:43 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,70   | 2,11   | 2,82   | 0,02             |
| 3930 | 16:58:48 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,87   | 1,81   | 2,48   | 0,02             |
| 3931 | 16:58:53 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,65   | 2,81   | 2,79   | 0,02             |
| 3932 | 16:58:58 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,25   | 1,98   | 2,89   | 0,02             |
| 3933 | 16:59:03 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,37   | 1,86   | 2,21   | 0,02             |
| 3934 | 16:59:08 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,55   | 2,32   | 2,55   | 0,02             |
| 3935 | 16:59:13 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,16   | 2,47   | 2,59   | 0,02             |
| 3936 | 16:59:18 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,03   | 1,77   | 2,98   | 0,02             |
| 3937 | 16:59:23 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,57   | 3,50   | 2,58   | 0,02             |
| 3938 | 16:59:28 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,39   | 2,23   | 2,33   | 0,02             |
| 3939 | 16:59:33 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,61   | 1,66   | 3,02   | 0,02             |
| 3940 | 16:59:38 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,41   | 2,20   | 2,12   | 0,02             |
| 3941 | 16:59:43 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,85   | 3,22   | 3,18   | 0,02             |
| 3942 | 16:59:48 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,80   | 1,52   | 2,36   | 0,02             |
| 3943 | 16:59:53 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,56   | 1,68   | 2,90   | 0,02             |
| 3944 | 16:59:58 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,59   | 2,43   | 2,82   | 0,02             |
| 3945 | 17:00:03 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,36   | 1,73   | 2,93   | 0,02             |
| 3946 | 17:00:08 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,19   | 1,34   | 2,22   | 0,02             |
| 3947 | 17:00:13 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,00   | 1,91   | 2,76   | 0,02             |
| 3948 | 17:00:18 | 0,00             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,35   | 1,56   | 2,89   | 0,02             |
| 3949 | 17:00:23 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,02   | 2,61   | 2,61   | 0,02             |
| 3950 | 17:00:28 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,14   | 2,52   | 2,64   | 0,02             |
| 3951 | 17:00:33 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 3,15   | 2,40   | 2,91   | 0,02             |
| 3952 | 17:00:38 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,01   | 2,25   | 2,83   | 0,02             |
| 3953 | 17:00:43 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,99   | 2,45   | 3,26   | 0,02             |
| 3954 | 17:00:48 | 0,00             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,55   | 1,66   | 1,97   | 0,02             |
| 3955 | 17:00:53 | 0,01             | 0,00             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,94   | 1,65   | 2,83   | 0,02             |
| 3956 | 17:00:58 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,58   | 2,09   | 2,74   | 0,02             |
| 3957 | 17:01:03 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,14   | 2,22   | 3,01   | 0,02             |
| 3958 | 17:01:08 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,98   | 1,95   | 3,56   | 0,02             |
| 3959 | 17:01:13 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 2,33   | 1,56   | 2,66   | 0,02             |
| 3960 | 17:01:18 | 0,01             | 0,01             | 0,02             | 3,72                      | 3,32                      | 9,34                      | 1,88   | 2,00   | 2,16   | 0,02             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 3961 | 17:01:23 | 0,00            | 0,00            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 3,00   | 2,27   | 3,51   | 0,02            |
| 3962 | 17:01:28 | 0,00            | 0,01            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 2,36   | 2,51   | 3,75   | 0,02            |
| 3963 | 17:01:33 | 0,01            | 0,00            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 1,64   | 3,16   | 2,32   | 0,02            |
| 3964 | 17:01:38 | 0,01            | 0,01            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 2,53   | 2,82   | 2,98   | 0,02            |
| 3965 | 17:01:43 | 0,00            | 0,00            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 1,52   | 2,59   | 3,03   | 0,02            |
| 3966 | 17:01:48 | 0,01            | 0,01            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 2,27   | 2,76   | 3,35   | 0,02            |
| 3967 | 17:01:53 | 0,01            | 0,01            | 0,02            | 3,72                     | 3,32                     | 9,34                     | 1,81   | 2,37   | 2,25   | 0,02            |
| 3968 | 17:01:58 | 0,01            | 0,01            | 0,03            | 3,72                     | 3,32                     | 9,34                     | 2,88   | 4,85   | 3,91   | 0,03            |
| 3969 | 17:02:03 | 0,01            | 0,02            | 0,03            | 3,72                     | 3,32                     | 9,34                     | 2,12   | 1,39   | 4,33   | 0,04            |
| 3970 | 17:02:08 | 0,27            | 0,25            | 1,15            | 3,73                     | 3,33                     | 9,44                     | 0,26   | 0,41   | 0,05   | 1,26            |
| 3971 | 17:02:13 | 0,01            | 0,01            | 0,02            | 3,73                     | 3,33                     | 9,44                     | 0,98   | 0,83   | 1,87   | 0,03            |
| 3972 | 17:02:18 | 0,02            | 0,06            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 1,82   | 1,30   | 1,79   | 0,10            |
| 3973 | 17:02:23 | 0,02            | 0,03            | 0,05            | 3,73                     | 3,33                     | 9,44                     | 2,07   | 2,25   | 4,55   | 0,08            |
| 3974 | 17:02:28 | 0,02            | 0,06            | 0,05            | 3,73                     | 3,33                     | 9,44                     | 1,37   | 1,73   | 1,37   | 0,10            |
| 3975 | 17:02:33 | 0,02            | 0,05            | 0,05            | 3,73                     | 3,33                     | 9,44                     | 2,22   | 0,95   | 2,45   | 0,09            |
| 3976 | 17:02:38 | 0,01            | 0,02            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 1,37   | 1,85   | 2,63   | 0,04            |
| 3977 | 17:02:43 | 0,01            | 0,01            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 1,82   | 1,97   | 2,53   | 0,03            |
| 3978 | 17:02:48 | 0,01            | 0,01            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 2,02   | 2,84   | 2,99   | 0,03            |
| 3979 | 17:02:53 | 0,01            | 0,01            | 0,02            | 3,73                     | 3,33                     | 9,44                     | 2,77   | 2,77   | 2,87   | 0,03            |
| 3980 | 17:02:58 | 0,04            | 0,08            | 0,04            | 3,73                     | 3,33                     | 9,44                     | 2,28   | 3,00   | 2,95   | 0,13            |
| 3981 | 17:03:03 | 0,02            | 0,06            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 0,78   | 0,42   | 2,34   | 0,09            |
| 3982 | 17:03:08 | 0,02            | 0,04            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 3,74   | 4,27   | 4,24   | 0,07            |
| 3983 | 17:03:13 | 0,02            | 0,08            | 0,04            | 3,73                     | 3,33                     | 9,44                     | 1,53   | 0,42   | 2,60   | 0,13            |
| 3984 | 17:03:18 | 0,01            | 0,07            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 1,84   | 3,82   | 2,37   | 0,10            |
| 3985 | 17:03:23 | 0,01            | 0,10            | 0,03            | 3,73                     | 3,33                     | 9,44                     | 1,18   | 0,33   | 2,07   | 0,15            |
| 3986 | 17:03:28 | 0,01            | 0,01            | 0,02            | 3,73                     | 3,33                     | 9,44                     | 3,41   | 2,45   | 2,65   | 0,03            |
| 3987 | 17:03:33 | 0,02            | 0,14            | 0,07            | 3,73                     | 3,33                     | 9,44                     | 3,49   | 2,83   | 4,14   | 0,21            |
| 3988 | 17:03:38 | 0,27            | 0,12            | 0,11            | 3,73                     | 3,33                     | 9,44                     | 3,38   | 1,29   | 2,42   | 0,42            |
| 3989 | 17:03:43 | 0,41            | 0,12            | 0,13            | 3,73                     | 3,33                     | 9,44                     | 0,44   | 1,53   | 2,03   | 0,62            |
| 3990 | 17:03:48 | 0,12            | 0,21            | 0,17            | 3,73                     | 3,33                     | 9,44                     | 1,99   | 2,01   | 2,67   | 0,37            |
| 3991 | 17:03:53 | 0,22            | 0,26            | 0,25            | 3,73                     | 3,33                     | 9,44                     | 1,98   | 0,87   | 0,46   | 0,54            |
| 3992 | 17:03:58 | 0,26            | 0,30            | 0,18            | 3,73                     | 3,33                     | 9,44                     | 1,87   | 3,24   | 3,49   | 0,58            |
| 3993 | 17:04:03 | 0,25            | 0,22            | 0,13            | 3,73                     | 3,33                     | 9,44                     | 0,60   | 1,05   | 1,66   | 0,48            |
| 3994 | 17:04:08 | 0,14            | 0,16            | 0,15            | 3,73                     | 3,33                     | 9,44                     | 1,25   | 1,93   | 2,54   | 0,33            |
| 3995 | 17:04:13 | 0,08            | 0,19            | 0,18            | 3,73                     | 3,33                     | 9,44                     | 2,48   | 2,74   | 2,16   | 0,34            |
| 3996 | 17:04:18 | 0,09            | 0,10            | 0,08            | 3,73                     | 3,33                     | 9,44                     | 1,07   | 0,62   | 1,06   | 0,21            |
| 3997 | 17:04:23 | 0,31            | 0,11            | 0,13            | 3,74                     | 3,33                     | 9,44                     | 2,21   | 1,96   | 2,47   | 0,48            |
| 3998 | 17:04:28 | 0,23            | 0,22            | 0,29            | 3,74                     | 3,33                     | 9,44                     | 1,63   | 4,14   | 3,09   | 0,54            |
| 3999 | 17:04:33 | 0,12            | 0,53            | 0,34            | 3,74                     | 3,34                     | 9,44                     | 1,06   | 0,44   | 1,25   | 0,83            |
| 4000 | 17:04:38 | 0,07            | 0,27            | 0,22            | 3,74                     | 3,34                     | 9,44                     | 3,18   | 2,07   | 4,99   | 0,45            |
| 4001 | 17:04:43 | 0,08            | 0,14            | 0,25            | 3,74                     | 3,34                     | 9,44                     | 2,79   | 2,99   | 3,23   | 0,34            |
| 4002 | 17:04:48 | 0,10            | 0,28            | 0,43            | 3,74                     | 3,34                     | 9,44                     | 1,10   | 0,87   | 1,41   | 0,60            |
| 4003 | 17:04:53 | 0,07            | 0,15            | 0,16            | 3,74                     | 3,34                     | 9,44                     | 3,67   | 0,83   | 1,59   | 0,28            |
| 4004 | 17:04:58 | 0,12            | 0,06            | 0,11            | 3,74                     | 3,34                     | 9,44                     | 2,26   | 1,48   | 2,24   | 0,22            |
| 4005 | 17:05:03 | 0,13            | 0,06            | 0,10            | 3,74                     | 3,34                     | 9,44                     | 0,47   | 1,26   | 1,97   | 0,22            |
| 4006 | 17:05:08 | 0,07            | 0,17            | 0,27            | 3,74                     | 3,34                     | 9,44                     | 4,55   | 4,18   | 3,78   | 0,37            |
| 4007 | 17:05:13 | 0,14            | 0,36            | 0,24            | 3,74                     | 3,34                     | 9,44                     | 2,07   | 1,98   | 1,60   | 0,60            |
| 4008 | 17:05:18 | 0,18            | 0,16            | 0,18            | 3,74                     | 3,34                     | 9,44                     | 1,44   | 0,40   | 1,42   | 0,38            |
| 4009 | 17:05:23 | 0,06            | 0,06            | 0,17            | 3,74                     | 3,34                     | 9,44                     | 1,80   | 2,53   | 2,49   | 0,21            |
| 4010 | 17:05:28 | 0,09            | 0,10            | 0,17            | 3,74                     | 3,34                     | 9,44                     | 2,13   | 2,34   | 3,03   | 0,25            |
| 4011 | 17:05:33 | 0,19            | 0,31            | 0,29            | 3,74                     | 3,34                     | 9,44                     | 1,66   | 2,08   | 1,08   | 0,58            |
| 4012 | 17:05:38 | 0,14            | 0,15            | 0,14            | 3,74                     | 3,34                     | 9,44                     | 2,23   | 1,26   | 1,79   | 0,32            |
| 4013 | 17:05:43 | 0,07            | 0,13            | 0,12            | 3,74                     | 3,34                     | 9,44                     | 1,29   | 1,44   | 1,69   | 0,24            |
| 4014 | 17:05:48 | 0,07            | 0,06            | 0,06            | 3,74                     | 3,34                     | 9,44                     | 0,75   | 0,69   | 1,36   | 0,14            |
| 4015 | 17:05:53 | 0,09            | 0,02            | 0,03            | 3,74                     | 3,34                     | 9,44                     | 0,99   | 2,64   | 3,43   | 0,13            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4016 | 17:05:58 | 0,05            | 0,02            | 0,03            | 3,74                     | 3,34                     | 9,44                     | 0,63   | 2,10   | 3,00   | 0,08            |
| 4017 | 17:06:03 | 0,32            | 0,11            | 0,08            | 3,74                     | 3,34                     | 9,44                     | 0,19   | 0,54   | 1,31   | 0,48            |
| 4018 | 17:06:08 | 0,18            | 0,16            | 0,13            | 3,74                     | 3,34                     | 9,44                     | 1,59   | 4,00   | 3,71   | 0,36            |
| 4019 | 17:06:13 | 0,37            | 0,31            | 0,17            | 3,74                     | 3,35                     | 9,44                     | 0,06   | 0,26   | 0,65   | 0,69            |
| 4020 | 17:06:18 | 0,01            | 0,02            | 0,05            | 3,74                     | 3,35                     | 9,44                     | 3,95   | 3,70   | 2,96   | 0,06            |
| 4021 | 17:06:23 | 0,01            | 0,02            | 0,06            | 3,74                     | 3,35                     | 9,44                     | 2,24   | 2,00   | 1,95   | 0,07            |
| 4022 | 17:06:28 | 0,01            | 0,04            | 0,06            | 3,74                     | 3,35                     | 9,44                     | 5,00   | 5,32   | 2,59   | 0,08            |
| 4023 | 17:06:33 | 0,02            | 0,06            | 0,11            | 3,74                     | 3,35                     | 9,44                     | 1,74   | 0,88   | 1,39   | 0,14            |
| 4024 | 17:06:38 | 0,03            | 0,05            | 0,13            | 3,74                     | 3,35                     | 9,44                     | 0,56   | 1,10   | 1,31   | 0,16            |
| 4025 | 17:06:43 | 0,33            | 0,30            | 0,56            | 3,76                     | 3,36                     | 9,62                     | 1,62   | 1,64   | 0,50   | 0,84            |
| 4026 | 17:06:48 | 0,09            | 0,08            | 0,10            | 3,76                     | 3,36                     | 9,62                     | 1,99   | 1,40   | 2,25   | 0,19            |
| 4027 | 17:06:53 | 0,33            | 0,18            | 0,11            | 3,76                     | 3,36                     | 9,62                     | 1,67   | 1,64   | 1,73   | 0,54            |
| 4028 | 17:06:58 | 0,28            | 0,13            | 0,17            | 3,76                     | 3,36                     | 9,62                     | 0,52   | 1,93   | 2,17   | 0,46            |
| 4029 | 17:07:03 | 0,09            | 0,13            | 0,17            | 3,76                     | 3,36                     | 9,62                     | 2,65   | 1,17   | 2,04   | 0,28            |
| 4030 | 17:07:08 | 0,11            | 0,20            | 0,22            | 3,76                     | 3,36                     | 9,62                     | 4,04   | 0,99   | 0,94   | 0,39            |
| 4031 | 17:07:13 | 0,34            | 0,28            | 0,35            | 3,76                     | 3,36                     | 9,62                     | 0,61   | 0,79   | 2,62   | 0,71            |
| 4032 | 17:07:18 | 0,18            | 0,25            | 0,32            | 3,76                     | 3,36                     | 9,62                     | 1,42   | 1,09   | 2,19   | 0,54            |
| 4033 | 17:07:23 | 0,15            | 0,35            | 0,44            | 3,76                     | 3,36                     | 9,62                     | 2,71   | 3,10   | 2,30   | 0,70            |
| 4034 | 17:07:28 | 0,10            | 0,35            | 0,32            | 3,76                     | 3,36                     | 9,62                     | 0,72   | 0,99   | 0,65   | 0,61            |
| 4035 | 17:07:33 | 0,13            | 0,06            | 0,05            | 3,76                     | 3,36                     | 9,62                     | 0,64   | 0,50   | 0,92   | 0,21            |
| 4036 | 17:07:38 | 0,01            | 0,01            | 0,04            | 3,76                     | 3,36                     | 9,62                     | 1,10   | 1,73   | 1,53   | 0,05            |
| 4037 | 17:07:43 | 0,01            | 0,02            | 0,04            | 3,76                     | 3,36                     | 9,62                     | 1,29   | 1,67   | 2,16   | 0,04            |
| 4038 | 17:07:48 | 0,01            | 0,01            | 0,03            | 3,76                     | 3,36                     | 9,62                     | 1,80   | 2,61   | 2,39   | 0,03            |
| 4039 | 17:07:53 | 0,01            | 0,01            | 0,03            | 3,76                     | 3,36                     | 9,62                     | 6,39   | 5,97   | 4,23   | 0,04            |
| 4040 | 17:07:58 | 0,12            | 0,03            | 0,13            | 3,76                     | 3,36                     | 9,62                     | 1,31   | 3,60   | 4,65   | 0,22            |
| 4041 | 17:08:03 | 0,34            | 0,22            | 0,27            | 3,76                     | 3,36                     | 9,62                     | 1,65   | 1,79   | 1,98   | 0,63            |
| 4042 | 17:08:08 | 0,16            | 0,22            | 0,34            | 3,76                     | 3,37                     | 9,62                     | 0,90   | 0,98   | 1,82   | 0,51            |
| 4043 | 17:08:13 | 0,11            | 0,21            | 0,34            | 3,76                     | 3,37                     | 9,62                     | 0,88   | 1,12   | 1,58   | 0,48            |
| 4044 | 17:08:18 | 0,11            | 0,15            | 0,18            | 3,76                     | 3,37                     | 9,62                     | 4,18   | 1,10   | 1,82   | 0,32            |
| 4045 | 17:08:23 | 0,18            | 0,05            | 0,07            | 3,76                     | 3,37                     | 9,62                     | 1,33   | 1,46   | 1,24   | 0,27            |
| 4046 | 17:08:28 | 0,07            | 0,02            | 0,03            | 3,76                     | 3,37                     | 9,62                     | 0,84   | 1,56   | 1,54   | 0,10            |
| 4047 | 17:08:33 | 0,03            | 0,01            | 0,03            | 3,76                     | 3,37                     | 9,62                     | 2,62   | 4,30   | 2,61   | 0,05            |
| 4048 | 17:08:38 | 0,15            | 0,08            | 0,10            | 3,76                     | 3,37                     | 9,62                     | 2,71   | 3,94   | 2,79   | 0,26            |
| 4049 | 17:08:43 | 0,20            | 0,35            | 0,39            | 3,76                     | 3,37                     | 9,62                     | 1,63   | 2,26   | 2,39   | 0,69            |
| 4050 | 17:08:48 | 0,21            | 0,20            | 0,26            | 3,76                     | 3,37                     | 9,62                     | 1,39   | 1,00   | 1,58   | 0,48            |
| 4051 | 17:08:53 | 0,15            | 0,16            | 0,19            | 3,76                     | 3,37                     | 9,62                     | 1,02   | 2,29   | 3,34   | 0,36            |
| 4052 | 17:08:58 | 0,13            | 0,18            | 0,26            | 3,76                     | 3,37                     | 9,62                     | 2,70   | 1,68   | 1,74   | 0,40            |
| 4053 | 17:09:03 | 0,16            | 0,17            | 0,23            | 3,76                     | 3,37                     | 9,62                     | 1,03   | 0,62   | 0,69   | 0,40            |
| 4054 | 17:09:08 | 0,13            | 0,23            | 0,25            | 3,76                     | 3,37                     | 9,62                     | 2,09   | 2,12   | 1,02   | 0,44            |
| 4055 | 17:09:13 | 0,17            | 0,24            | 0,31            | 3,76                     | 3,37                     | 9,62                     | 2,31   | 1,07   | 2,13   | 0,51            |
| 4056 | 17:09:18 | 0,16            | 0,10            | 0,23            | 3,76                     | 3,37                     | 9,62                     | 2,14   | 2,39   | 3,39   | 0,36            |
| 4057 | 17:09:23 | 0,07            | 0,13            | 0,27            | 3,76                     | 3,37                     | 9,62                     | 2,05   | 1,65   | 2,78   | 0,34            |
| 4058 | 17:09:28 | 0,25            | 0,17            | 0,39            | 3,76                     | 3,37                     | 9,62                     | 2,26   | 3,07   | 1,55   | 0,57            |
| 4059 | 17:09:33 | 0,09            | 0,19            | 0,25            | 3,76                     | 3,37                     | 9,62                     | 3,16   | 2,48   | 2,42   | 0,39            |
| 4060 | 17:09:38 | 0,08            | 0,13            | 0,17            | 3,76                     | 3,37                     | 9,62                     | 1,54   | 1,25   | 2,48   | 0,28            |
| 4061 | 17:09:43 | 0,38            | 0,47            | 0,47            | 3,76                     | 3,37                     | 9,62                     | 2,95   | 2,01   | 2,51   | 0,97            |
| 4062 | 17:09:48 | 0,25            | 0,20            | 0,19            | 3,77                     | 3,37                     | 9,62                     | 0,94   | 1,06   | 2,37   | 0,48            |
| 4063 | 17:09:53 | 0,09            | 0,08            | 0,17            | 3,77                     | 3,37                     | 9,62                     | 1,65   | 2,96   | 2,02   | 0,23            |
| 4064 | 17:09:58 | 0,06            | 0,17            | 0,18            | 3,77                     | 3,37                     | 9,62                     | 1,71   | 3,41   | 2,50   | 0,31            |
| 4065 | 17:10:03 | 0,06            | 0,18            | 0,21            | 3,77                     | 3,37                     | 9,63                     | 1,93   | 1,57   | 2,43   | 0,33            |
| 4066 | 17:10:08 | 0,08            | 0,13            | 0,17            | 3,77                     | 3,37                     | 9,63                     | 1,14   | 2,37   | 2,11   | 0,27            |
| 4067 | 17:10:13 | 0,18            | 0,33            | 0,34            | 3,77                     | 3,37                     | 9,63                     | 2,02   | 1,38   | 2,70   | 0,62            |
| 4068 | 17:10:18 | 0,43            | 0,15            | 0,26            | 3,77                     | 3,37                     | 9,63                     | 1,02   | 0,83   | 1,32   | 0,68            |
| 4069 | 17:10:23 | 0,08            | 0,09            | 0,28            | 3,77                     | 3,37                     | 9,63                     | 1,93   | 1,38   | 1,36   | 0,33            |
| 4070 | 17:10:28 | 0,21            | 0,09            | 0,18            | 3,77                     | 3,37                     | 9,63                     | 1,02   | 1,92   | 2,32   | 0,37            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 4071 | 17:10:33 | 0,07             | 0,09             | 0,24             | 3,77                      | 3,37                      | 9,63                      | 1,71   | 1,59   | 1,39   | 0,29             |
| 4072 | 17:10:38 | 0,05             | 0,06             | 0,17             | 3,77                      | 3,37                      | 9,63                      | 3,37   | 2,76   | 2,28   | 0,20             |
| 4073 | 17:10:43 | 0,10             | 0,09             | 0,23             | 3,77                      | 3,37                      | 9,63                      | 0,45   | 1,54   | 1,18   | 0,29             |
| 4074 | 17:10:48 | 0,24             | 0,14             | 0,11             | 3,77                      | 3,37                      | 9,63                      | 1,07   | 3,33   | 2,41   | 0,40             |
| 4075 | 17:10:53 | 0,27             | 0,15             | 0,16             | 3,77                      | 3,37                      | 9,63                      | 0,68   | 1,20   | 3,24   | 0,46             |
| 4076 | 17:10:58 | 0,19             | 0,08             | 0,22             | 3,77                      | 3,37                      | 9,63                      | 1,03   | 2,56   | 3,00   | 0,37             |
| 4077 | 17:11:03 | 0,11             | 0,10             | 0,25             | 3,77                      | 3,37                      | 9,63                      | 3,38   | 2,17   | 3,59   | 0,33             |
| 4078 | 17:11:08 | 0,10             | 0,11             | 0,20             | 3,77                      | 3,37                      | 9,63                      | 1,42   | 1,24   | 2,49   | 0,29             |
| 4079 | 17:11:13 | 0,07             | 0,12             | 0,22             | 3,77                      | 3,37                      | 9,63                      | 1,74   | 1,09   | 2,50   | 0,30             |
| 4080 | 17:11:18 | 0,08             | 0,12             | 0,26             | 3,77                      | 3,37                      | 9,63                      | 1,26   | 1,24   | 1,44   | 0,33             |
| 4081 | 17:11:23 | 0,08             | 0,11             | 0,31             | 3,77                      | 3,37                      | 9,63                      | 1,81   | 1,43   | 2,13   | 0,36             |
| 4082 | 17:11:28 | 0,07             | 0,12             | 0,23             | 3,77                      | 3,37                      | 9,63                      | 2,48   | 1,99   | 2,06   | 0,30             |
| 4083 | 17:11:33 | 0,05             | 0,09             | 0,24             | 3,77                      | 3,37                      | 9,63                      | 2,53   | 2,78   | 2,71   | 0,28             |
| 4084 | 17:11:38 | 0,09             | 0,09             | 0,23             | 3,77                      | 3,37                      | 9,63                      | 1,45   | 3,05   | 2,70   | 0,29             |
| 4085 | 17:11:43 | 0,06             | 0,08             | 0,21             | 3,77                      | 3,37                      | 9,63                      | 2,31   | 2,18   | 3,05   | 0,25             |
| 4086 | 17:11:48 | 0,11             | 0,11             | 0,27             | 3,77                      | 3,37                      | 9,63                      | 0,63   | 1,87   | 1,83   | 0,34             |
| 4087 | 17:11:53 | 0,07             | 0,08             | 0,19             | 3,77                      | 3,37                      | 9,63                      | 3,40   | 1,72   | 3,07   | 0,24             |
| 4088 | 17:11:58 | 0,05             | 0,07             | 0,15             | 3,77                      | 3,37                      | 9,63                      | 1,96   | 2,42   | 3,31   | 0,20             |
| 4089 | 17:12:03 | 0,15             | 0,09             | 0,18             | 3,77                      | 3,37                      | 9,63                      | 2,14   | 1,70   | 2,57   | 0,30             |
| 4090 | 17:12:08 | 0,23             | 0,12             | 0,25             | 3,77                      | 3,37                      | 9,63                      | 2,35   | 1,59   | 0,89   | 0,43             |
| 4091 | 17:12:13 | 0,13             | 0,06             | 0,05             | 3,77                      | 3,37                      | 9,63                      | 0,24   | 0,36   | 1,15   | 0,21             |
| 4092 | 17:12:18 | 0,09             | 0,01             | 0,03             | 3,77                      | 3,37                      | 9,63                      | 0,14   | 1,45   | 2,06   | 0,13             |
| 4093 | 17:12:23 | 0,14             | 0,02             | 0,04             | 3,77                      | 3,37                      | 9,63                      | 3,13   | 3,11   | 3,66   | 0,20             |
| 4094 | 17:12:28 | 0,34             | 0,09             | 0,11             | 3,77                      | 3,37                      | 9,63                      | 2,89   | 1,89   | 4,13   | 0,51             |
| 4095 | 17:12:33 | 0,37             | 0,25             | 0,17             | 3,77                      | 3,37                      | 9,63                      | 0,96   | 1,35   | 2,41   | 0,65             |
| 4096 | 17:12:38 | 0,20             | 0,08             | 0,19             | 3,77                      | 3,37                      | 9,63                      | 1,99   | 2,68   | 3,26   | 0,35             |
| 4097 | 17:12:43 | 0,14             | 0,14             | 0,30             | 3,77                      | 3,37                      | 9,63                      | 1,09   | 3,24   | 3,34   | 0,41             |
| 4098 | 17:12:48 | 0,10             | 0,12             | 0,26             | 3,77                      | 3,37                      | 9,63                      | 1,95   | 1,92   | 2,03   | 0,35             |
| 4099 | 17:12:53 | 0,07             | 0,10             | 0,22             | 3,77                      | 3,37                      | 9,63                      | 2,45   | 1,43   | 2,28   | 0,28             |
| 4100 | 17:12:58 | 0,08             | 0,10             | 0,24             | 3,77                      | 3,37                      | 9,63                      | 1,85   | 2,66   | 1,33   | 0,30             |
| 4101 | 17:13:03 | 0,08             | 0,09             | 0,19             | 3,77                      | 3,37                      | 9,63                      | 1,92   | 1,56   | 3,25   | 0,25             |
| 4102 | 17:13:08 | 0,45             | 0,34             | 0,49             | 3,77                      | 3,38                      | 9,63                      | 0,68   | 1,42   | 0,71   | 0,93             |
| 4103 | 17:13:13 | 0,28             | 0,11             | 0,23             | 3,77                      | 3,38                      | 9,63                      | 0,51   | 0,75   | 1,48   | 0,48             |
| 4104 | 17:13:18 | 0,21             | 0,12             | 0,22             | 3,77                      | 3,38                      | 9,63                      | 0,75   | 2,77   | 2,77   | 0,41             |
| 4105 | 17:13:23 | 0,13             | 0,11             | 0,26             | 3,77                      | 3,38                      | 9,63                      | 1,69   | 2,53   | 2,13   | 0,35             |
| 4106 | 17:13:28 | 0,31             | 0,12             | 0,33             | 3,78                      | 3,38                      | 9,63                      | 1,44   | 1,78   | 3,29   | 0,56             |
| 4107 | 17:13:33 | 0,14             | 0,14             | 0,31             | 3,78                      | 3,38                      | 9,63                      | 2,67   | 1,33   | 1,89   | 0,41             |
| 4108 | 17:13:38 | 0,13             | 0,18             | 0,25             | 3,78                      | 3,38                      | 9,63                      | 2,10   | 3,08   | 2,12   | 0,39             |
| 4109 | 17:13:43 | 0,16             | 0,15             | 0,19             | 3,78                      | 3,38                      | 9,63                      | 1,91   | 1,67   | 0,90   | 0,36             |
| 4110 | 17:13:48 | 0,44             | 0,17             | 0,18             | 3,78                      | 3,38                      | 9,63                      | 0,75   | 2,88   | 1,82   | 0,69             |
| 4111 | 17:13:53 | 0,19             | 0,19             | 0,23             | 3,78                      | 3,38                      | 9,63                      | 1,15   | 2,62   | 3,42   | 0,44             |
| 4112 | 17:13:58 | 0,15             | 0,19             | 0,34             | 3,78                      | 3,38                      | 9,63                      | 1,32   | 1,52   | 1,66   | 0,48             |
| 4113 | 17:14:03 | 0,10             | 0,14             | 0,27             | 3,78                      | 3,38                      | 9,63                      | 1,74   | 1,89   | 2,10   | 0,36             |
| 4114 | 17:14:08 | 0,16             | 0,10             | 0,28             | 3,78                      | 3,38                      | 9,63                      | 1,66   | 1,34   | 1,23   | 0,39             |
| 4115 | 17:14:13 | 0,29             | 0,11             | 0,44             | 3,78                      | 3,38                      | 9,63                      | 2,86   | 4,27   | 2,63   | 0,62             |
| 4116 | 17:14:18 | 0,37             | 0,23             | 0,46             | 3,78                      | 3,38                      | 9,63                      | 0,44   | 0,72   | 0,61   | 0,77             |
| 4117 | 17:14:23 | 0,09             | 0,06             | 0,15             | 3,78                      | 3,38                      | 9,63                      | 1,01   | 2,15   | 3,04   | 0,21             |
| 4118 | 17:14:28 | 0,06             | 0,09             | 0,18             | 3,78                      | 3,38                      | 9,63                      | 1,83   | 2,59   | 1,90   | 0,23             |
| 4119 | 17:14:33 | 0,38             | 0,13             | 0,43             | 3,78                      | 3,38                      | 9,63                      | 2,74   | 2,77   | 3,16   | 0,71             |
| 4120 | 17:14:38 | 0,24             | 0,38             | 0,31             | 3,78                      | 3,38                      | 9,63                      | 0,63   | 0,35   | 1,21   | 0,70             |
| 4121 | 17:14:43 | 0,06             | 0,06             | 0,15             | 3,78                      | 3,38                      | 9,63                      | 2,65   | 2,55   | 1,70   | 0,20             |
| 4122 | 17:14:48 | 0,11             | 0,05             | 0,13             | 3,78                      | 3,38                      | 9,63                      | 0,91   | 1,58   | 1,41   | 0,21             |
| 4123 | 17:14:53 | 0,12             | 0,04             | 0,05             | 3,78                      | 3,38                      | 9,63                      | 2,76   | 0,68   | 2,60   | 0,18             |
| 4124 | 17:14:58 | 0,03             | 0,01             | 0,03             | 3,78                      | 3,38                      | 9,63                      | 1,26   | 3,28   | 4,69   | 0,06             |
| 4125 | 17:15:03 | 0,18             | 0,05             | 0,14             | 3,78                      | 3,38                      | 9,63                      | 2,56   | 4,89   | 3,51   | 0,30             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4126 | 17:15:08 | 0,25            | 0,31            | 0,32            | 3,78                     | 3,38                     | 9,63                     | 1,31   | 2,11   | 3,02   | 0,65            |
| 4127 | 17:15:13 | 0,27            | 0,30            | 0,31            | 3,78                     | 3,38                     | 9,63                     | 0,53   | 0,94   | 1,63   | 0,64            |
| 4128 | 17:15:18 | 0,18            | 0,15            | 0,24            | 3,78                     | 3,38                     | 9,63                     | 0,91   | 1,51   | 2,96   | 0,41            |
| 4129 | 17:15:23 | 0,07            | 0,12            | 0,29            | 3,78                     | 3,38                     | 9,63                     | 4,27   | 4,27   | 3,61   | 0,35            |
| 4130 | 17:15:28 | 0,08            | 0,22            | 0,36            | 3,78                     | 3,38                     | 9,63                     | 2,24   | 1,23   | 2,53   | 0,48            |
| 4131 | 17:15:33 | 0,15            | 0,25            | 0,54            | 3,78                     | 3,38                     | 9,63                     | 1,69   | 0,71   | 1,44   | 0,68            |
| 4132 | 17:15:38 | 0,13            | 0,12            | 0,36            | 3,78                     | 3,38                     | 9,63                     | 3,29   | 3,46   | 1,71   | 0,44            |
| 4133 | 17:15:43 | 0,15            | 0,11            | 0,22            | 3,78                     | 3,38                     | 9,63                     | 0,53   | 1,65   | 1,69   | 0,34            |
| 4134 | 17:15:48 | 0,50            | 0,11            | 0,36            | 3,79                     | 3,38                     | 9,63                     | 0,45   | 1,71   | 0,75   | 0,80            |
| 4135 | 17:15:53 | 0,18            | 0,21            | 0,30            | 3,79                     | 3,38                     | 9,63                     | 1,43   | 1,12   | 2,05   | 0,48            |
| 4136 | 17:15:58 | 0,09            | 0,12            | 0,26            | 3,79                     | 3,38                     | 9,63                     | 1,67   | 3,31   | 2,66   | 0,33            |
| 4137 | 17:16:03 | 0,07            | 0,13            | 0,26            | 3,79                     | 3,38                     | 9,63                     | 2,09   | 1,85   | 1,72   | 0,33            |
| 4138 | 17:16:08 | 0,12            | 0,12            | 0,21            | 3,79                     | 3,38                     | 9,63                     | 1,15   | 2,12   | 2,56   | 0,31            |
| 4139 | 17:16:13 | 0,27            | 0,31            | 0,37            | 3,79                     | 3,38                     | 9,63                     | 1,15   | 1,32   | 1,29   | 0,68            |
| 4140 | 17:16:18 | 0,20            | 0,09            | 0,19            | 3,79                     | 3,38                     | 9,63                     | 0,72   | 2,07   | 3,77   | 0,36            |
| 4141 | 17:16:23 | 0,10            | 0,12            | 0,22            | 3,79                     | 3,38                     | 9,63                     | 2,22   | 2,77   | 2,73   | 0,31            |
| 4142 | 17:16:28 | 0,31            | 0,14            | 0,28            | 3,79                     | 3,38                     | 9,63                     | 1,51   | 3,75   | 3,81   | 0,55            |
| 4143 | 17:16:33 | 0,20            | 0,20            | 0,30            | 3,79                     | 3,38                     | 9,63                     | 1,03   | 1,74   | 2,15   | 0,50            |
| 4144 | 17:16:38 | 0,21            | 0,15            | 0,35            | 3,79                     | 3,38                     | 9,63                     | 1,57   | 2,31   | 0,91   | 0,50            |
| 4145 | 17:16:43 | 0,20            | 0,08            | 0,20            | 3,79                     | 3,38                     | 9,63                     | 1,27   | 2,42   | 2,74   | 0,37            |
| 4146 | 17:16:48 | 0,09            | 0,11            | 0,27            | 3,79                     | 3,38                     | 9,63                     | 1,92   | 3,30   | 2,53   | 0,33            |
| 4147 | 17:16:53 | 0,08            | 0,09            | 0,24            | 3,79                     | 3,38                     | 9,63                     | 1,12   | 3,34   | 1,75   | 0,29            |
| 4148 | 17:16:58 | 0,11            | 0,10            | 0,30            | 3,79                     | 3,38                     | 9,63                     | 1,93   | 1,30   | 2,23   | 0,36            |
| 4149 | 17:17:03 | 0,11            | 0,28            | 0,32            | 3,79                     | 3,38                     | 9,63                     | 1,30   | 2,83   | 1,58   | 0,53            |
| 4150 | 17:17:08 | 0,26            | 0,15            | 0,15            | 3,79                     | 3,38                     | 9,63                     | 3,07   | 0,94   | 1,67   | 0,45            |
| 4151 | 17:17:13 | 0,14            | 0,06            | 0,05            | 3,79                     | 3,38                     | 9,63                     | 0,60   | 0,99   | 1,89   | 0,22            |
| 4152 | 17:17:18 | 0,20            | 0,06            | 0,07            | 3,79                     | 3,38                     | 9,63                     | 0,36   | 1,26   | 1,30   | 0,30            |
| 4153 | 17:17:23 | 0,26            | 0,35            | 0,17            | 3,79                     | 3,39                     | 9,63                     | 3,78   | 2,99   | 4,10   | 0,63            |
| 4154 | 17:17:28 | 0,19            | 0,16            | 0,17            | 3,79                     | 3,39                     | 9,63                     | 0,06   | 0,49   | 1,13   | 0,40            |
| 4155 | 17:17:33 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 3,49   | 1,99   | 1,95   | 0,10            |
| 4156 | 17:17:38 | 0,01            | 0,03            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 1,36   | 1,49   | 2,00   | 0,11            |
| 4157 | 17:17:43 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,26   | 1,95   | 1,92   | 0,11            |
| 4158 | 17:17:48 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 1,81   | 2,19   | 2,13   | 0,11            |
| 4159 | 17:17:53 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,92   | 2,04   | 1,82   | 0,11            |
| 4160 | 17:17:58 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,06   | 1,99   | 1,73   | 0,12            |
| 4161 | 17:18:03 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,94   | 2,70   | 2,01   | 0,12            |
| 4162 | 17:18:08 | 0,01            | 0,04            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 1,70   | 1,15   | 1,82   | 0,12            |
| 4163 | 17:18:13 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 1,77   | 1,81   | 2,03   | 0,11            |
| 4164 | 17:18:18 | 0,01            | 0,04            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,84   | 1,94   | 2,14   | 0,12            |
| 4165 | 17:18:23 | 0,01            | 0,04            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 3,75   | 3,38   | 2,10   | 0,12            |
| 4166 | 17:18:28 | 0,01            | 0,04            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,39   | 1,94   | 2,11   | 0,12            |
| 4167 | 17:18:33 | 0,02            | 0,06            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 1,25   | 1,94   | 1,93   | 0,14            |
| 4168 | 17:18:38 | 0,02            | 0,05            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 1,59   | 2,18   | 1,75   | 0,13            |
| 4169 | 17:18:43 | 0,03            | 0,04            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 2,51   | 3,44   | 2,56   | 0,12            |
| 4170 | 17:18:48 | 0,02            | 0,04            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 2,59   | 2,63   | 1,94   | 0,12            |
| 4171 | 17:18:53 | 0,01            | 0,04            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 1,75   | 1,27   | 1,96   | 0,11            |
| 4172 | 17:18:58 | 0,01            | 0,02            | 0,09            | 3,79                     | 3,39                     | 9,63                     | 2,63   | 1,63   | 2,19   | 0,10            |
| 4173 | 17:19:03 | 0,03            | 0,06            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 0,77   | 1,40   | 1,74   | 0,14            |
| 4174 | 17:19:08 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 2,32   | 2,20   | 1,84   | 0,10            |
| 4175 | 17:19:13 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 3,02   | 2,21   | 1,89   | 0,10            |
| 4176 | 17:19:18 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 3,51   | 2,46   | 1,82   | 0,11            |
| 4177 | 17:19:23 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 1,66   | 1,79   | 1,77   | 0,10            |
| 4178 | 17:19:28 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 1,86   | 1,72   | 1,78   | 0,11            |
| 4179 | 17:19:33 | 0,01            | 0,03            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 3,21   | 3,39   | 1,94   | 0,11            |
| 4180 | 17:19:38 | 0,01            | 0,05            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 1,46   | 1,04   | 1,84   | 0,12            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4181 | 17:19:43 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,63                     | 2,60   | 2,29   | 1,73   | 0,11            |
| 4182 | 17:19:48 | 0,01            | 0,02            | 0,11            | 3,79                     | 3,39                     | 9,63                     | 2,58   | 2,15   | 2,12   | 0,11            |
| 4183 | 17:19:53 | 0,06            | 0,07            | 1,47            | 3,79                     | 3,39                     | 9,71                     | 0,28   | 0,62   | 0,05   | 1,47            |
| 4184 | 17:19:58 | 0,01            | 0,01            | 0,04            | 3,79                     | 3,39                     | 9,71                     | 1,86   | 3,09   | 2,63   | 0,04            |
| 4185 | 17:20:03 | 0,01            | 0,02            | 0,05            | 3,79                     | 3,39                     | 9,71                     | 3,45   | 2,11   | 1,79   | 0,06            |
| 4186 | 17:20:08 | 0,01            | 0,02            | 0,04            | 3,79                     | 3,39                     | 9,71                     | 3,57   | 3,16   | 2,24   | 0,05            |
| 4187 | 17:20:13 | 0,01            | 0,02            | 0,04            | 3,79                     | 3,39                     | 9,71                     | 2,27   | 1,79   | 2,21   | 0,05            |
| 4188 | 17:20:18 | 0,01            | 0,03            | 0,04            | 3,79                     | 3,39                     | 9,71                     | 3,87   | 4,99   | 3,48   | 0,07            |
| 4189 | 17:20:23 | 0,02            | 0,04            | 0,06            | 3,79                     | 3,39                     | 9,71                     | 1,58   | 1,85   | 1,74   | 0,08            |
| 4190 | 17:20:28 | 0,01            | 0,02            | 0,05            | 3,79                     | 3,39                     | 9,71                     | 2,04   | 1,75   | 2,49   | 0,06            |
| 4191 | 17:20:33 | 0,02            | 0,03            | 0,09            | 3,79                     | 3,39                     | 9,71                     | 4,80   | 6,27   | 8,49   | 0,10            |
| 4192 | 17:20:38 | 0,01            | 0,02            | 0,09            | 3,79                     | 3,39                     | 9,71                     | 2,03   | 2,18   | 2,04   | 0,09            |
| 4193 | 17:20:43 | 0,02            | 0,07            | 0,15            | 3,79                     | 3,39                     | 9,71                     | 1,15   | 1,01   | 1,11   | 0,18            |
| 4194 | 17:20:48 | 0,01            | 0,02            | 0,09            | 3,79                     | 3,39                     | 9,71                     | 2,93   | 2,85   | 1,77   | 0,10            |
| 4195 | 17:20:53 | 0,01            | 0,02            | 0,09            | 3,79                     | 3,39                     | 9,71                     | 1,60   | 1,91   | 1,79   | 0,10            |
| 4196 | 17:20:58 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,45   | 2,15   | 1,94   | 0,10            |
| 4197 | 17:21:03 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,33   | 2,96   | 2,15   | 0,10            |
| 4198 | 17:21:08 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 3,19   | 3,10   | 1,81   | 0,10            |
| 4199 | 17:21:13 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 3,12   | 2,69   | 2,20   | 0,10            |
| 4200 | 17:21:18 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,03   | 2,39   | 2,15   | 0,10            |
| 4201 | 17:21:23 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,40   | 3,12   | 1,90   | 0,10            |
| 4202 | 17:21:28 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,70   | 2,11   | 1,83   | 0,10            |
| 4203 | 17:21:33 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,98   | 1,74   | 1,93   | 0,10            |
| 4204 | 17:21:38 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,19   | 2,64   | 1,73   | 0,11            |
| 4205 | 17:21:43 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,87   | 2,06   | 1,84   | 0,10            |
| 4206 | 17:21:48 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,91   | 2,25   | 1,94   | 0,11            |
| 4207 | 17:21:53 | 0,01            | 0,03            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,96   | 2,50   | 1,94   | 0,11            |
| 4208 | 17:21:58 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,43   | 2,61   | 1,93   | 0,10            |
| 4209 | 17:22:03 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,95   | 2,21   | 1,96   | 0,10            |
| 4210 | 17:22:08 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,73   | 1,94   | 1,86   | 0,10            |
| 4211 | 17:22:13 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,41   | 2,29   | 1,73   | 0,10            |
| 4212 | 17:22:18 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,61   | 2,17   | 2,10   | 0,10            |
| 4213 | 17:22:23 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,92   | 2,13   | 2,03   | 0,11            |
| 4214 | 17:22:28 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,53   | 1,86   | 1,73   | 0,11            |
| 4215 | 17:22:33 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,63   | 1,93   | 2,01   | 0,10            |
| 4216 | 17:22:38 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,61   | 2,04   | 1,80   | 0,11            |
| 4217 | 17:22:43 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,83   | 1,95   | 1,96   | 0,11            |
| 4218 | 17:22:48 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 3,10   | 2,24   | 1,85   | 0,11            |
| 4219 | 17:22:53 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,82   | 2,01   | 1,89   | 0,11            |
| 4220 | 17:22:58 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,85   | 2,19   | 1,85   | 0,10            |
| 4221 | 17:23:03 | 0,01            | 0,02            | 0,09            | 3,79                     | 3,39                     | 9,71                     | 3,10   | 2,26   | 2,01   | 0,10            |
| 4222 | 17:23:08 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,27   | 2,62   | 1,91   | 0,10            |
| 4223 | 17:23:13 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,00   | 2,20   | 2,01   | 0,10            |
| 4224 | 17:23:18 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,70   | 2,64   | 2,10   | 0,11            |
| 4225 | 17:23:23 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,47   | 2,30   | 1,67   | 0,10            |
| 4226 | 17:23:28 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,04   | 2,14   | 1,71   | 0,10            |
| 4227 | 17:23:33 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,69   | 2,51   | 1,84   | 0,10            |
| 4228 | 17:23:38 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,87   | 2,00   | 1,91   | 0,10            |
| 4229 | 17:23:43 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,12   | 2,12   | 1,95   | 0,10            |
| 4230 | 17:23:48 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,80   | 1,94   | 1,76   | 0,11            |
| 4231 | 17:23:53 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,75   | 2,14   | 1,82   | 0,11            |
| 4232 | 17:23:58 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,33   | 2,32   | 1,79   | 0,10            |
| 4233 | 17:24:03 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,57   | 2,01   | 1,67   | 0,10            |
| 4234 | 17:24:08 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,63   | 1,99   | 1,70   | 0,10            |
| 4235 | 17:24:13 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,07   | 2,25   | 1,87   | 0,10            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4236 | 17:24:18 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,30   | 2,36   | 1,85   | 0,10            |
| 4237 | 17:24:23 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 3,76   | 2,30   | 1,88   | 0,10            |
| 4238 | 17:24:28 | 0,01            | 0,03            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,68   | 1,59   | 2,09   | 0,10            |
| 4239 | 17:24:33 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,45   | 2,17   | 1,94   | 0,10            |
| 4240 | 17:24:38 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,26   | 2,73   | 1,80   | 0,10            |
| 4241 | 17:24:43 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 1,82   | 2,05   | 1,83   | 0,10            |
| 4242 | 17:24:48 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 2,46   | 2,17   | 2,14   | 0,11            |
| 4243 | 17:24:53 | 0,01            | 0,02            | 0,10            | 3,79                     | 3,39                     | 9,71                     | 3,00   | 2,01   | 1,68   | 0,10            |
| 4244 | 17:24:58 | 0,01            | 0,02            | 0,05            | 3,79                     | 3,39                     | 9,71                     | 1,13   | 1,07   | 1,01   | 0,06            |
| 4245 | 17:25:03 | 0,01            | 0,01            | 0,03            | 3,79                     | 3,39                     | 9,71                     | 2,72   | 2,91   | 2,39   | 0,03            |
| 4246 | 17:25:08 | 0,24            | 0,64            | 0,85            | 3,79                     | 3,42                     | 9,71                     | 0,28   | 0,11   | 0,13   | 1,28            |
| 4247 | 17:25:13 | 0,02            | 0,07            | 0,09            | 3,79                     | 3,42                     | 9,71                     | 2,05   | 0,82   | 1,24   | 0,13            |
| 4248 | 17:25:18 | 0,01            | 0,01            | 0,04            | 3,79                     | 3,42                     | 9,71                     | 1,51   | 2,24   | 1,56   | 0,04            |
| 4249 | 17:25:23 | 0,01            | 0,04            | 0,03            | 3,79                     | 3,42                     | 9,71                     | 3,57   | 2,98   | 2,55   | 0,07            |
| 4250 | 17:25:28 | 0,01            | 0,02            | 0,03            | 3,79                     | 3,42                     | 9,71                     | 1,63   | 0,99   | 1,89   | 0,04            |
| 4251 | 17:25:33 | 0,01            | 0,01            | 0,03            | 3,79                     | 3,42                     | 9,71                     | 1,64   | 2,10   | 1,62   | 0,04            |
| 4252 | 17:25:38 | 0,04            | 0,05            | 0,06            | 3,79                     | 3,42                     | 9,71                     | 0,32   | 0,37   | 0,82   | 0,11            |
| 4253 | 17:25:43 | 0,01            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 1,93   | 2,21   | 3,19   | 0,02            |
| 4254 | 17:25:48 | 0,00            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 2,94   | 2,41   | 3,44   | 0,02            |
| 4255 | 17:25:53 | 0,00            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 2,71   | 2,82   | 2,90   | 0,03            |
| 4256 | 17:25:58 | 0,01            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 2,19   | 2,23   | 2,72   | 0,03            |
| 4257 | 17:26:03 | 0,02            | 0,05            | 0,04            | 3,79                     | 3,42                     | 9,71                     | 1,86   | 1,48   | 3,45   | 0,08            |
| 4258 | 17:26:08 | 0,01            | 0,03            | 0,05            | 3,79                     | 3,42                     | 9,71                     | 2,82   | 2,00   | 3,12   | 0,07            |
| 4259 | 17:26:13 | 0,01            | 0,02            | 0,05            | 3,79                     | 3,42                     | 9,71                     | 1,13   | 1,05   | 1,24   | 0,06            |
| 4260 | 17:26:18 | 0,00            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 2,08   | 2,01   | 2,60   | 0,02            |
| 4261 | 17:26:23 | 0,02            | 0,03            | 0,04            | 3,79                     | 3,42                     | 9,71                     | 3,06   | 2,41   | 2,00   | 0,06            |
| 4262 | 17:26:28 | 0,14            | 0,07            | 0,06            | 3,79                     | 3,42                     | 9,71                     | 1,18   | 0,77   | 1,72   | 0,22            |
| 4263 | 17:26:33 | 0,14            | 0,05            | 0,06            | 3,79                     | 3,42                     | 9,71                     | 0,35   | 1,66   | 2,54   | 0,22            |
| 4264 | 17:26:38 | 0,09            | 0,06            | 0,08            | 3,79                     | 3,42                     | 9,71                     | 3,04   | 4,06   | 3,12   | 0,17            |
| 4265 | 17:26:43 | 0,14            | 0,20            | 0,21            | 3,79                     | 3,42                     | 9,71                     | 2,13   | 1,25   | 1,79   | 0,40            |
| 4266 | 17:26:48 | 0,15            | 0,12            | 0,18            | 3,79                     | 3,42                     | 9,71                     | 1,11   | 1,17   | 3,89   | 0,32            |
| 4267 | 17:26:53 | 0,14            | 0,14            | 0,27            | 3,79                     | 3,42                     | 9,71                     | 1,72   | 1,88   | 2,51   | 0,39            |
| 4268 | 17:26:58 | 0,11            | 0,18            | 0,31            | 3,79                     | 3,42                     | 9,71                     | 0,75   | 1,01   | 1,67   | 0,42            |
| 4269 | 17:27:03 | 0,08            | 0,10            | 0,21            | 3,79                     | 3,42                     | 9,71                     | 2,17   | 2,78   | 3,12   | 0,28            |
| 4270 | 17:27:08 | 0,10            | 0,20            | 0,28            | 3,79                     | 3,42                     | 9,71                     | 1,36   | 1,44   | 2,12   | 0,43            |
| 4271 | 17:27:13 | 0,14            | 0,13            | 0,32            | 3,79                     | 3,42                     | 9,71                     | 2,21   | 1,75   | 2,23   | 0,42            |
| 4272 | 17:27:18 | 0,12            | 0,19            | 0,28            | 3,79                     | 3,42                     | 9,71                     | 2,69   | 4,82   | 4,17   | 0,42            |
| 4273 | 17:27:23 | 0,17            | 0,16            | 0,23            | 3,79                     | 3,42                     | 9,71                     | 3,33   | 1,58   | 2,84   | 0,39            |
| 4274 | 17:27:28 | 0,17            | 0,13            | 0,30            | 3,79                     | 3,42                     | 9,71                     | 0,89   | 1,86   | 2,38   | 0,42            |
| 4275 | 17:27:33 | 0,08            | 0,13            | 0,25            | 3,79                     | 3,42                     | 9,71                     | 3,25   | 2,47   | 2,32   | 0,33            |
| 4276 | 17:27:38 | 0,10            | 0,15            | 0,23            | 3,79                     | 3,42                     | 9,71                     | 1,32   | 1,23   | 1,84   | 0,34            |
| 4277 | 17:27:43 | 0,05            | 0,12            | 0,17            | 3,79                     | 3,42                     | 9,71                     | 2,48   | 1,57   | 1,57   | 0,24            |
| 4278 | 17:27:48 | 0,08            | 0,13            | 0,38            | 3,79                     | 3,42                     | 9,71                     | 1,39   | 1,80   | 1,43   | 0,44            |
| 4279 | 17:27:53 | 0,07            | 0,11            | 0,18            | 3,79                     | 3,42                     | 9,71                     | 2,25   | 1,99   | 2,51   | 0,26            |
| 4280 | 17:27:58 | 0,12            | 0,07            | 0,08            | 3,79                     | 3,42                     | 9,71                     | 1,22   | 1,30   | 1,30   | 0,21            |
| 4281 | 17:28:03 | 0,06            | 0,02            | 0,03            | 3,79                     | 3,42                     | 9,71                     | 0,86   | 0,65   | 1,79   | 0,10            |
| 4282 | 17:28:08 | 0,02            | 0,01            | 0,02            | 3,79                     | 3,42                     | 9,71                     | 2,76   | 2,60   | 2,61   | 0,03            |
| 4283 | 17:28:13 | 0,23            | 0,29            | 0,15            | 3,79                     | 3,42                     | 9,71                     | 3,63   | 2,62   | 2,19   | 0,53            |
| 4284 | 17:28:18 | 0,09            | 0,17            | 0,06            | 3,79                     | 3,42                     | 9,71                     | 1,52   | 0,16   | 1,02   | 0,27            |
| 4285 | 17:28:23 | 0,16            | 0,09            | 0,08            | 3,79                     | 3,42                     | 9,71                     | 5,45   | 7,62   | 9,91   | 0,27            |
| 4286 | 17:28:28 | 0,61            | 0,26            | 0,23            | 3,80                     | 3,42                     | 9,71                     | 1,99   | 2,26   | 1,37   | 0,96            |
| 4287 | 17:28:33 | 0,36            | 0,17            | 0,20            | 3,80                     | 3,42                     | 9,71                     | 1,11   | 2,51   | 2,30   | 0,59            |
| 4288 | 17:28:38 | 0,12            | 0,17            | 0,45            | 3,80                     | 3,42                     | 9,71                     | 2,22   | 1,54   | 1,57   | 0,54            |
| 4289 | 17:28:43 | 0,09            | 0,07            | 0,20            | 3,80                     | 3,42                     | 9,71                     | 1,22   | 1,39   | 1,78   | 0,26            |
| 4290 | 17:28:48 | 0,40            | 0,24            | 0,46            | 3,80                     | 3,42                     | 9,71                     | 0,70   | 1,18   | 0,90   | 0,79            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 4291 | 17:28:53 | 0,27             | 0,13             | 0,26             | 3,80                      | 3,42                      | 9,71                      | 0,38   | 1,23   | 2,00   | 0,50             |
| 4292 | 17:28:58 | 0,22             | 0,08             | 0,21             | 3,80                      | 3,42                      | 9,71                      | 0,73   | 1,82   | 2,73   | 0,39             |
| 4293 | 17:29:03 | 0,10             | 0,13             | 0,34             | 3,80                      | 3,42                      | 9,71                      | 2,11   | 2,40   | 2,37   | 0,42             |
| 4294 | 17:29:08 | 0,08             | 0,12             | 0,35             | 3,80                      | 3,42                      | 9,71                      | 2,19   | 2,62   | 1,83   | 0,40             |
| 4295 | 17:29:13 | 0,12             | 0,09             | 0,24             | 3,80                      | 3,42                      | 9,71                      | 3,83   | 2,43   | 2,51   | 0,32             |
| 4296 | 17:29:18 | 0,43             | 0,16             | 0,51             | 3,81                      | 3,42                      | 9,71                      | 0,58   | 0,95   | 0,80   | 0,83             |
| 4297 | 17:29:23 | 0,36             | 0,11             | 0,20             | 3,81                      | 3,42                      | 9,71                      | 1,27   | 2,15   | 2,85   | 0,56             |
| 4298 | 17:29:28 | 0,09             | 0,12             | 0,25             | 3,81                      | 3,42                      | 9,71                      | 2,11   | 2,07   | 3,44   | 0,33             |
| 4299 | 17:29:33 | 0,08             | 0,12             | 0,32             | 3,81                      | 3,42                      | 9,71                      | 1,30   | 1,02   | 1,29   | 0,38             |
| 4300 | 17:29:38 | 0,14             | 0,17             | 0,37             | 3,81                      | 3,42                      | 9,71                      | 2,05   | 1,62   | 1,60   | 0,49             |
| 4301 | 17:29:43 | 0,09             | 0,12             | 0,37             | 3,81                      | 3,42                      | 9,71                      | 2,29   | 3,09   | 1,68   | 0,43             |
| 4302 | 17:29:48 | 0,11             | 0,13             | 0,40             | 3,81                      | 3,42                      | 9,71                      | 3,63   | 2,69   | 3,16   | 0,47             |
| 4303 | 17:29:53 | 0,16             | 0,13             | 0,50             | 3,81                      | 3,42                      | 9,71                      | 2,01   | 1,84   | 2,24   | 0,58             |
| 4304 | 17:29:58 | 0,10             | 0,17             | 0,40             | 3,81                      | 3,42                      | 9,71                      | 2,57   | 2,03   | 1,66   | 0,49             |
| 4305 | 17:30:03 | 0,08             | 0,26             | 0,33             | 3,81                      | 3,42                      | 9,71                      | 2,30   | 1,24   | 2,58   | 0,50             |
| 4306 | 17:30:08 | 0,08             | 0,10             | 0,31             | 3,81                      | 3,42                      | 9,71                      | 2,22   | 1,40   | 1,97   | 0,36             |
| 4307 | 17:30:13 | 0,13             | 0,17             | 0,33             | 3,81                      | 3,42                      | 9,71                      | 2,18   | 1,37   | 1,56   | 0,45             |
| 4308 | 17:30:18 | 0,10             | 0,14             | 0,35             | 3,81                      | 3,42                      | 9,71                      | 2,09   | 1,08   | 2,07   | 0,42             |
| 4309 | 17:30:24 | 0,08             | 0,11             | 0,28             | 3,81                      | 3,42                      | 9,71                      | 2,90   | 1,16   | 2,30   | 0,35             |
| 4310 | 17:30:29 | 0,11             | 0,18             | 0,27             | 3,81                      | 3,42                      | 9,71                      | 1,63   | 2,34   | 1,91   | 0,40             |
| 4311 | 17:30:34 | 0,11             | 0,16             | 0,40             | 3,81                      | 3,42                      | 9,71                      | 1,43   | 1,42   | 1,31   | 0,48             |
| 4312 | 17:30:39 | 0,12             | 0,12             | 0,31             | 3,81                      | 3,42                      | 9,71                      | 2,78   | 1,80   | 2,04   | 0,39             |
| 4313 | 17:30:44 | 0,19             | 0,21             | 0,41             | 3,81                      | 3,42                      | 9,72                      | 1,11   | 2,33   | 1,51   | 0,57             |
| 4314 | 17:30:49 | 0,08             | 0,18             | 0,23             | 3,81                      | 3,42                      | 9,72                      | 2,44   | 2,40   | 2,94   | 0,35             |
| 4315 | 17:30:54 | 0,24             | 0,17             | 0,11             | 3,81                      | 3,42                      | 9,72                      | 2,87   | 1,17   | 2,90   | 0,43             |
| 4316 | 17:30:59 | 0,17             | 0,11             | 0,16             | 3,81                      | 3,42                      | 9,72                      | 0,80   | 2,62   | 3,30   | 0,33             |
| 4317 | 17:31:04 | 0,08             | 0,15             | 0,21             | 3,81                      | 3,42                      | 9,72                      | 1,34   | 1,65   | 1,69   | 0,32             |
| 4318 | 17:31:09 | 0,11             | 0,09             | 0,19             | 3,81                      | 3,42                      | 9,72                      | 2,59   | 2,79   | 2,74   | 0,27             |
| 4319 | 17:31:14 | 0,22             | 0,33             | 0,25             | 3,81                      | 3,43                      | 9,72                      | 2,58   | 0,39   | 2,02   | 0,61             |
| 4320 | 17:31:19 | 0,16             | 0,06             | 0,18             | 3,81                      | 3,43                      | 9,72                      | 5,04   | 1,68   | 5,02   | 0,30             |
| 4321 | 17:31:24 | 0,15             | 0,15             | 0,20             | 3,81                      | 3,43                      | 9,72                      | 0,87   | 1,06   | 1,94   | 0,36             |
| 4322 | 17:31:29 | 0,19             | 0,09             | 0,20             | 3,81                      | 3,43                      | 9,72                      | 1,50   | 3,09   | 2,10   | 0,36             |
| 4323 | 17:31:34 | 0,11             | 0,17             | 0,28             | 3,81                      | 3,43                      | 9,72                      | 2,02   | 2,61   | 1,66   | 0,40             |
| 4324 | 17:31:39 | 0,16             | 0,25             | 0,29             | 3,81                      | 3,43                      | 9,72                      | 1,26   | 1,50   | 2,07   | 0,51             |
| 4325 | 17:31:45 | 0,10             | 0,20             | 0,33             | 3,81                      | 3,43                      | 9,72                      | 2,92   | 2,74   | 3,73   | 0,46             |
| 4326 | 17:31:50 | 0,13             | 0,15             | 0,34             | 3,81                      | 3,43                      | 9,72                      | 1,84   | 1,64   | 1,78   | 0,44             |
| 4327 | 17:31:55 | 0,14             | 0,14             | 0,42             | 3,81                      | 3,43                      | 9,72                      | 1,38   | 1,71   | 2,08   | 0,51             |
| 4328 | 17:32:00 | 0,14             | 0,15             | 0,46             | 3,81                      | 3,43                      | 9,72                      | 1,36   | 1,81   | 2,26   | 0,55             |
| 4329 | 17:32:05 | 0,17             | 0,13             | 0,49             | 3,81                      | 3,43                      | 9,72                      | 2,01   | 1,27   | 1,46   | 0,57             |
| 4330 | 17:32:10 | 0,19             | 0,14             | 0,44             | 3,81                      | 3,43                      | 9,72                      | 1,91   | 2,49   | 1,51   | 0,55             |
| 4331 | 17:32:15 | 0,09             | 0,12             | 0,33             | 3,81                      | 3,43                      | 9,72                      | 2,51   | 1,92   | 2,47   | 0,39             |
| 4332 | 17:32:20 | 0,16             | 0,20             | 0,39             | 3,81                      | 3,43                      | 9,72                      | 1,27   | 1,19   | 1,16   | 0,53             |
| 4333 | 17:32:25 | 0,13             | 0,13             | 0,47             | 3,81                      | 3,43                      | 9,72                      | 1,45   | 1,92   | 1,25   | 0,54             |
| 4334 | 17:32:30 | 0,11             | 0,13             | 0,35             | 3,81                      | 3,43                      | 9,72                      | 2,08   | 2,34   | 3,95   | 0,42             |
| 4335 | 17:32:35 | 0,12             | 0,14             | 0,41             | 3,81                      | 3,43                      | 9,72                      | 1,64   | 1,43   | 1,69   | 0,48             |
| 4336 | 17:32:40 | 0,31             | 0,16             | 0,65             | 3,81                      | 3,43                      | 9,72                      | 0,99   | 3,07   | 1,24   | 0,81             |
| 4337 | 17:32:45 | 0,14             | 0,19             | 0,37             | 3,81                      | 3,43                      | 9,72                      | 1,76   | 2,74   | 2,57   | 0,50             |
| 4338 | 17:32:50 | 0,12             | 0,23             | 0,42             | 3,81                      | 3,43                      | 9,72                      | 4,24   | 3,49   | 3,74   | 0,55             |
| 4339 | 17:32:55 | 0,19             | 0,14             | 0,46             | 3,81                      | 3,43                      | 9,72                      | 0,92   | 2,36   | 1,70   | 0,56             |
| 4340 | 17:33:00 | 0,23             | 0,13             | 0,51             | 3,81                      | 3,43                      | 9,72                      | 1,67   | 1,75   | 2,45   | 0,63             |
| 4341 | 17:33:05 | 0,10             | 0,12             | 0,31             | 3,81                      | 3,43                      | 9,72                      | 2,09   | 2,10   | 2,27   | 0,38             |
| 4342 | 17:33:10 | 0,38             | 0,21             | 0,56             | 3,81                      | 3,43                      | 9,72                      | 1,97   | 3,11   | 2,43   | 0,83             |
| 4343 | 17:33:15 | 0,14             | 0,19             | 0,32             | 3,81                      | 3,43                      | 9,72                      | 1,19   | 1,64   | 2,44   | 0,46             |
| 4344 | 17:33:20 | 0,14             | 0,10             | 0,34             | 3,81                      | 3,43                      | 9,72                      | 2,34   | 3,33   | 2,23   | 0,42             |
| 4345 | 17:33:25 | 0,14             | 0,15             | 0,32             | 3,81                      | 3,43                      | 9,72                      | 2,53   | 1,32   | 2,43   | 0,43             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4346 | 17:33:30 | 0,26            | 0,18            | 0,44            | 3,81                     | 3,43                     | 9,72                     | 2,70   | 2,51   | 3,26   | 0,62            |
| 4347 | 17:33:35 | 0,21            | 0,17            | 0,52            | 3,81                     | 3,43                     | 9,72                     | 0,96   | 1,13   | 1,12   | 0,65            |
| 4348 | 17:33:40 | 0,16            | 0,13            | 0,38            | 3,81                     | 3,43                     | 9,72                     | 1,41   | 1,46   | 1,92   | 0,48            |
| 4349 | 17:33:45 | 0,09            | 0,12            | 0,38            | 3,81                     | 3,43                     | 9,72                     | 2,69   | 2,50   | 4,54   | 0,43            |
| 4350 | 17:33:50 | 0,10            | 0,11            | 0,25            | 3,81                     | 3,43                     | 9,72                     | 2,56   | 2,69   | 4,62   | 0,32            |
| 4351 | 17:33:55 | 0,17            | 0,14            | 0,49            | 3,81                     | 3,43                     | 9,72                     | 1,78   | 2,36   | 2,54   | 0,58            |
| 4352 | 17:34:00 | 0,14            | 0,12            | 0,43            | 3,81                     | 3,43                     | 9,72                     | 2,14   | 1,77   | 1,44   | 0,51            |
| 4353 | 17:34:05 | 0,16            | 0,16            | 0,40            | 3,81                     | 3,43                     | 9,72                     | 2,31   | 4,60   | 2,36   | 0,51            |
| 4354 | 17:34:10 | 0,20            | 0,18            | 0,41            | 3,81                     | 3,43                     | 9,72                     | 0,99   | 1,99   | 1,60   | 0,56            |
| 4355 | 17:34:15 | 0,24            | 0,20            | 0,56            | 3,81                     | 3,43                     | 9,72                     | 0,59   | 1,78   | 1,53   | 0,71            |
| 4356 | 17:34:20 | 0,14            | 0,15            | 0,40            | 3,81                     | 3,43                     | 9,72                     | 2,43   | 1,99   | 2,46   | 0,50            |
| 4357 | 17:34:25 | 0,17            | 0,13            | 0,40            | 3,81                     | 3,43                     | 9,72                     | 1,84   | 1,38   | 1,58   | 0,50            |
| 4358 | 17:34:30 | 0,16            | 0,14            | 0,34            | 3,81                     | 3,43                     | 9,72                     | 2,75   | 2,64   | 4,45   | 0,45            |
| 4359 | 17:34:35 | 0,17            | 0,11            | 0,32            | 3,81                     | 3,43                     | 9,72                     | 1,14   | 2,79   | 1,69   | 0,43            |
| 4360 | 17:34:40 | 0,15            | 0,09            | 0,41            | 3,81                     | 3,43                     | 9,72                     | 1,99   | 2,29   | 2,32   | 0,47            |
| 4361 | 17:34:45 | 0,20            | 0,15            | 0,42            | 3,81                     | 3,43                     | 9,72                     | 1,20   | 1,40   | 1,29   | 0,55            |
| 4362 | 17:34:50 | 0,17            | 0,16            | 0,46            | 3,81                     | 3,43                     | 9,72                     | 1,79   | 2,65   | 2,09   | 0,57            |
| 4363 | 17:34:55 | 0,18            | 0,16            | 0,45            | 3,81                     | 3,43                     | 9,72                     | 1,04   | 1,64   | 1,29   | 0,56            |
| 4364 | 17:35:00 | 0,24            | 0,17            | 0,52            | 3,81                     | 3,43                     | 9,72                     | 2,34   | 2,79   | 3,00   | 0,66            |
| 4365 | 17:35:05 | 0,20            | 0,16            | 0,43            | 3,81                     | 3,43                     | 9,72                     | 1,48   | 2,30   | 3,05   | 0,56            |
| 4366 | 17:35:10 | 0,14            | 0,11            | 0,36            | 3,81                     | 3,43                     | 9,72                     | 3,13   | 3,70   | 2,56   | 0,44            |
| 4367 | 17:35:15 | 0,18            | 0,12            | 0,36            | 3,81                     | 3,43                     | 9,72                     | 1,43   | 2,24   | 1,69   | 0,47            |
| 4368 | 17:35:20 | 0,15            | 0,08            | 0,31            | 3,81                     | 3,43                     | 9,72                     | 0,87   | 2,18   | 1,66   | 0,39            |
| 4369 | 17:35:25 | 0,20            | 0,16            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 2,91   | 2,87   | 2,90   | 0,53            |
| 4370 | 17:35:30 | 0,22            | 0,11            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 1,04   | 1,09   | 1,26   | 0,53            |
| 4371 | 17:35:35 | 0,18            | 0,14            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 0,84   | 1,07   | 1,90   | 0,50            |
| 4372 | 17:35:40 | 0,16            | 0,10            | 0,38            | 3,81                     | 3,43                     | 9,72                     | 3,20   | 2,40   | 2,79   | 0,47            |
| 4373 | 17:35:45 | 0,15            | 0,15            | 0,33            | 3,81                     | 3,43                     | 9,72                     | 1,30   | 1,27   | 1,47   | 0,45            |
| 4374 | 17:35:50 | 0,15            | 0,12            | 0,41            | 3,81                     | 3,43                     | 9,72                     | 1,80   | 1,73   | 1,51   | 0,49            |
| 4375 | 17:35:55 | 0,12            | 0,10            | 0,29            | 3,81                     | 3,43                     | 9,72                     | 2,58   | 2,13   | 1,97   | 0,36            |
| 4376 | 17:36:00 | 0,15            | 0,14            | 0,36            | 3,81                     | 3,43                     | 9,72                     | 1,77   | 1,58   | 2,15   | 0,46            |
| 4377 | 17:36:05 | 0,14            | 0,12            | 0,36            | 3,81                     | 3,43                     | 9,72                     | 1,57   | 2,24   | 2,09   | 0,45            |
| 4378 | 17:36:10 | 0,13            | 0,13            | 0,34            | 3,81                     | 3,43                     | 9,72                     | 1,46   | 2,10   | 1,71   | 0,43            |
| 4379 | 17:36:15 | 0,15            | 0,11            | 0,32            | 3,81                     | 3,43                     | 9,72                     | 2,00   | 3,63   | 1,85   | 0,41            |
| 4380 | 17:36:20 | 0,23            | 0,14            | 0,47            | 3,81                     | 3,43                     | 9,72                     | 0,93   | 1,44   | 1,06   | 0,60            |
| 4381 | 17:36:25 | 0,11            | 0,12            | 0,25            | 3,81                     | 3,43                     | 9,72                     | 2,31   | 2,43   | 2,54   | 0,34            |
| 4382 | 17:36:30 | 0,18            | 0,14            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 2,16   | 2,76   | 1,71   | 0,50            |
| 4383 | 17:36:35 | 0,14            | 0,14            | 0,38            | 3,81                     | 3,43                     | 9,72                     | 1,20   | 1,29   | 1,34   | 0,47            |
| 4384 | 17:36:40 | 0,15            | 0,15            | 0,34            | 3,81                     | 3,43                     | 9,72                     | 1,25   | 2,91   | 1,91   | 0,45            |
| 4385 | 17:36:45 | 0,12            | 0,13            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 1,33   | 1,21   | 1,23   | 0,46            |
| 4386 | 17:36:50 | 0,08            | 0,11            | 0,27            | 3,81                     | 3,43                     | 9,72                     | 2,94   | 1,65   | 2,77   | 0,34            |
| 4387 | 17:36:55 | 0,11            | 0,12            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 3,09   | 2,85   | 3,48   | 0,45            |
| 4388 | 17:37:00 | 0,14            | 0,12            | 0,31            | 3,81                     | 3,43                     | 9,72                     | 2,37   | 2,92   | 2,59   | 0,40            |
| 4389 | 17:37:05 | 0,10            | 0,09            | 0,30            | 3,81                     | 3,43                     | 9,72                     | 2,25   | 1,26   | 2,55   | 0,35            |
| 4390 | 17:37:10 | 0,19            | 0,10            | 0,41            | 3,81                     | 3,43                     | 9,72                     | 1,11   | 1,77   | 1,04   | 0,51            |
| 4391 | 17:37:16 | 0,13            | 0,11            | 0,33            | 3,81                     | 3,43                     | 9,72                     | 1,67   | 2,25   | 2,81   | 0,41            |
| 4392 | 17:37:21 | 0,14            | 0,16            | 0,36            | 3,81                     | 3,43                     | 9,72                     | 1,48   | 0,91   | 1,66   | 0,46            |
| 4393 | 17:37:26 | 0,15            | 0,10            | 0,34            | 3,81                     | 3,43                     | 9,72                     | 1,68   | 1,57   | 2,18   | 0,42            |
| 4394 | 17:37:31 | 0,11            | 0,12            | 0,33            | 3,81                     | 3,43                     | 9,72                     | 3,50   | 3,45   | 3,04   | 0,40            |
| 4395 | 17:37:36 | 0,13            | 0,12            | 0,30            | 3,81                     | 3,43                     | 9,72                     | 2,57   | 1,61   | 2,69   | 0,39            |
| 4396 | 17:37:41 | 0,17            | 0,08            | 0,39            | 3,81                     | 3,43                     | 9,72                     | 0,92   | 2,70   | 1,38   | 0,47            |
| 4397 | 17:37:46 | 0,13            | 0,10            | 0,30            | 3,81                     | 3,43                     | 9,72                     | 1,27   | 2,63   | 2,10   | 0,38            |
| 4398 | 17:37:51 | 0,16            | 0,13            | 0,38            | 3,81                     | 3,43                     | 9,72                     | 1,78   | 2,66   | 2,14   | 0,48            |
| 4399 | 17:37:56 | 0,28            | 0,14            | 0,53            | 3,81                     | 3,43                     | 9,73                     | 1,03   | 2,27   | 2,08   | 0,69            |
| 4400 | 17:38:01 | 0,19            | 0,18            | 0,43            | 3,81                     | 3,43                     | 9,73                     | 3,46   | 2,13   | 1,97   | 0,57            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 4401 | 17:38:06 | 0,19             | 0,16             | 0,42             | 3,81                      | 3,43                      | 9,73                      | 1,13   | 2,50   | 2,00   | 0,55             |
| 4402 | 17:38:11 | 0,18             | 0,17             | 0,41             | 3,81                      | 3,43                      | 9,73                      | 1,60   | 2,17   | 1,89   | 0,54             |
| 4403 | 17:38:16 | 0,27             | 0,12             | 0,51             | 3,81                      | 3,43                      | 9,73                      | 1,46   | 2,00   | 2,09   | 0,66             |
| 4404 | 17:38:21 | 0,24             | 0,17             | 0,48             | 3,81                      | 3,43                      | 9,73                      | 0,91   | 2,25   | 1,33   | 0,63             |
| 4405 | 17:38:26 | 0,18             | 0,12             | 0,40             | 3,81                      | 3,43                      | 9,73                      | 1,67   | 2,09   | 1,93   | 0,50             |
| 4406 | 17:38:31 | 0,27             | 0,08             | 0,49             | 3,81                      | 3,43                      | 9,73                      | 1,48   | 2,02   | 1,46   | 0,63             |
| 4407 | 17:38:36 | 0,20             | 0,08             | 0,33             | 3,81                      | 3,43                      | 9,73                      | 1,79   | 2,23   | 1,93   | 0,44             |
| 4408 | 17:38:41 | 0,26             | 0,11             | 0,50             | 3,81                      | 3,43                      | 9,73                      | 2,89   | 3,15   | 3,37   | 0,64             |
| 4409 | 17:38:46 | 0,15             | 0,17             | 0,29             | 3,81                      | 3,43                      | 9,73                      | 0,71   | 1,07   | 1,90   | 0,43             |
| 4410 | 17:38:51 | 0,25             | 0,14             | 0,49             | 3,82                      | 3,43                      | 9,73                      | 2,45   | 1,61   | 2,36   | 0,63             |
| 4411 | 17:38:56 | 0,34             | 0,14             | 0,54             | 3,82                      | 3,43                      | 9,73                      | 1,18   | 1,79   | 1,46   | 0,75             |
| 4412 | 17:39:01 | 0,22             | 0,09             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 0,84   | 3,38   | 1,57   | 0,50             |
| 4413 | 17:39:06 | 0,29             | 0,17             | 0,45             | 3,82                      | 3,43                      | 9,73                      | 2,71   | 2,51   | 2,27   | 0,64             |
| 4414 | 17:39:11 | 0,27             | 0,11             | 0,47             | 3,82                      | 3,43                      | 9,73                      | 2,22   | 1,71   | 1,86   | 0,63             |
| 4415 | 17:39:16 | 0,24             | 0,13             | 0,40             | 3,82                      | 3,43                      | 9,73                      | 2,50   | 2,34   | 2,96   | 0,56             |
| 4416 | 17:39:21 | 0,31             | 0,13             | 0,51             | 3,82                      | 3,43                      | 9,73                      | 1,20   | 1,21   | 1,34   | 0,69             |
| 4417 | 17:39:26 | 0,17             | 0,09             | 0,45             | 3,82                      | 3,43                      | 9,73                      | 2,25   | 2,56   | 2,15   | 0,52             |
| 4418 | 17:39:31 | 0,13             | 0,12             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 1,44   | 1,59   | 1,58   | 0,44             |
| 4419 | 17:39:36 | 0,15             | 0,14             | 0,31             | 3,82                      | 3,43                      | 9,73                      | 1,16   | 2,24   | 2,48   | 0,42             |
| 4420 | 17:39:41 | 0,15             | 0,12             | 0,29             | 3,82                      | 3,43                      | 9,73                      | 1,99   | 1,25   | 2,81   | 0,40             |
| 4421 | 17:39:46 | 0,12             | 0,07             | 0,28             | 3,82                      | 3,43                      | 9,73                      | 2,98   | 1,69   | 2,55   | 0,34             |
| 4422 | 17:39:51 | 0,17             | 0,06             | 0,29             | 3,82                      | 3,43                      | 9,73                      | 1,50   | 2,70   | 2,17   | 0,38             |
| 4423 | 17:39:56 | 0,13             | 0,10             | 0,25             | 3,82                      | 3,43                      | 9,73                      | 1,35   | 2,61   | 1,97   | 0,34             |
| 4424 | 17:40:01 | 0,14             | 0,07             | 0,31             | 3,82                      | 3,43                      | 9,73                      | 1,80   | 1,53   | 2,51   | 0,38             |
| 4425 | 17:40:06 | 0,26             | 0,10             | 0,39             | 3,82                      | 3,43                      | 9,73                      | 1,92   | 1,87   | 2,29   | 0,55             |
| 4426 | 17:40:11 | 0,12             | 0,12             | 0,34             | 3,82                      | 3,43                      | 9,73                      | 2,04   | 2,33   | 3,26   | 0,41             |
| 4427 | 17:40:16 | 0,15             | 0,09             | 0,36             | 3,82                      | 3,43                      | 9,73                      | 1,31   | 2,84   | 2,37   | 0,43             |
| 4428 | 17:40:21 | 0,33             | 0,10             | 0,58             | 3,82                      | 3,43                      | 9,73                      | 2,39   | 1,59   | 2,25   | 0,76             |
| 4429 | 17:40:26 | 0,30             | 0,09             | 0,55             | 3,82                      | 3,43                      | 9,73                      | 1,82   | 2,23   | 2,14   | 0,71             |
| 4430 | 17:40:31 | 0,23             | 0,11             | 0,42             | 3,82                      | 3,43                      | 9,73                      | 0,80   | 1,65   | 1,24   | 0,54             |
| 4431 | 17:40:36 | 0,31             | 0,15             | 0,53             | 3,82                      | 3,43                      | 9,73                      | 2,05   | 2,47   | 2,11   | 0,71             |
| 4432 | 17:40:41 | 0,22             | 0,13             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 1,83   | 2,03   | 2,35   | 0,51             |
| 4433 | 17:40:46 | 0,18             | 0,11             | 0,39             | 3,82                      | 3,43                      | 9,73                      | 1,50   | 2,11   | 2,35   | 0,48             |
| 4434 | 17:40:51 | 0,17             | 0,13             | 0,40             | 3,82                      | 3,43                      | 9,73                      | 2,18   | 2,45   | 2,62   | 0,50             |
| 4435 | 17:40:56 | 0,25             | 0,11             | 0,45             | 3,82                      | 3,43                      | 9,73                      | 0,63   | 1,84   | 1,13   | 0,59             |
| 4436 | 17:41:01 | 0,13             | 0,15             | 0,34             | 3,82                      | 3,43                      | 9,73                      | 1,93   | 2,46   | 2,14   | 0,44             |
| 4437 | 17:41:06 | 0,26             | 0,17             | 0,47             | 3,82                      | 3,43                      | 9,73                      | 1,30   | 2,23   | 1,93   | 0,64             |
| 4438 | 17:41:11 | 0,14             | 0,09             | 0,41             | 3,82                      | 3,43                      | 9,73                      | 2,45   | 1,83   | 1,58   | 0,47             |
| 4439 | 17:41:16 | 0,10             | 0,11             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 3,01   | 1,60   | 1,98   | 0,43             |
| 4440 | 17:41:21 | 0,18             | 0,12             | 0,43             | 3,82                      | 3,43                      | 9,73                      | 1,20   | 1,60   | 2,20   | 0,53             |
| 4441 | 17:41:26 | 0,28             | 0,19             | 0,49             | 3,82                      | 3,43                      | 9,73                      | 1,56   | 0,93   | 2,29   | 0,67             |
| 4442 | 17:41:31 | 0,13             | 0,17             | 0,35             | 3,82                      | 3,43                      | 9,73                      | 1,02   | 1,36   | 1,86   | 0,46             |
| 4443 | 17:41:36 | 0,22             | 0,18             | 0,41             | 3,82                      | 3,43                      | 9,73                      | 1,18   | 1,37   | 1,96   | 0,57             |
| 4444 | 17:41:41 | 0,16             | 0,13             | 0,41             | 3,82                      | 3,43                      | 9,73                      | 2,93   | 3,23   | 2,55   | 0,51             |
| 4445 | 17:41:46 | 0,15             | 0,12             | 0,33             | 3,82                      | 3,43                      | 9,73                      | 2,98   | 2,17   | 2,82   | 0,42             |
| 4446 | 17:41:51 | 0,19             | 0,18             | 0,54             | 3,82                      | 3,43                      | 9,73                      | 2,15   | 1,53   | 1,39   | 0,65             |
| 4447 | 17:41:56 | 0,26             | 0,11             | 0,56             | 3,82                      | 3,43                      | 9,73                      | 2,38   | 2,50   | 3,10   | 0,68             |
| 4448 | 17:42:01 | 0,22             | 0,18             | 0,40             | 3,82                      | 3,43                      | 9,73                      | 1,77   | 1,04   | 2,28   | 0,56             |
| 4449 | 17:42:06 | 0,19             | 0,12             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 0,71   | 1,25   | 1,38   | 0,48             |
| 4450 | 17:42:11 | 0,22             | 0,14             | 0,43             | 3,82                      | 3,43                      | 9,73                      | 0,59   | 1,05   | 0,98   | 0,56             |
| 4451 | 17:42:16 | 0,20             | 0,18             | 0,45             | 3,82                      | 3,43                      | 9,73                      | 1,31   | 1,52   | 1,17   | 0,59             |
| 4452 | 17:42:21 | 0,23             | 0,22             | 0,41             | 3,82                      | 3,43                      | 9,73                      | 2,84   | 2,08   | 3,00   | 0,61             |
| 4453 | 17:42:26 | 0,19             | 0,20             | 0,38             | 3,82                      | 3,43                      | 9,73                      | 0,99   | 0,75   | 1,66   | 0,55             |
| 4454 | 17:42:31 | 0,16             | 0,18             | 0,34             | 3,82                      | 3,43                      | 9,73                      | 0,95   | 2,03   | 1,43   | 0,48             |
| 4455 | 17:42:36 | 0,13             | 0,17             | 0,31             | 3,82                      | 3,43                      | 9,73                      | 2,08   | 1,45   | 4,84   | 0,43             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 4456 | 17:42:41 | 0,20             | 0,14             | 0,43             | 3,82                      | 3,43                      | 9,73                      | 0,91   | 1,76   | 1,23   | 0,55             |
| 4457 | 17:42:46 | 0,21             | 0,15             | 0,40             | 3,82                      | 3,43                      | 9,73                      | 3,21   | 3,61   | 3,51   | 0,55             |
| 4458 | 17:42:51 | 0,25             | 0,14             | 0,51             | 3,82                      | 3,43                      | 9,73                      | 1,89   | 2,64   | 2,34   | 0,65             |
| 4459 | 17:42:56 | 0,18             | 0,12             | 0,39             | 3,82                      | 3,43                      | 9,73                      | 2,07   | 2,84   | 2,69   | 0,49             |
| 4460 | 17:43:01 | 0,21             | 0,15             | 0,48             | 3,82                      | 3,43                      | 9,73                      | 2,68   | 1,37   | 2,16   | 0,60             |
| 4461 | 17:43:06 | 0,23             | 0,13             | 0,52             | 3,82                      | 3,43                      | 9,73                      | 1,24   | 1,80   | 1,79   | 0,64             |
| 4462 | 17:43:11 | 0,20             | 0,12             | 0,44             | 3,82                      | 3,43                      | 9,73                      | 2,78   | 1,45   | 2,63   | 0,55             |
| 4463 | 17:43:16 | 0,13             | 0,11             | 0,30             | 3,82                      | 3,43                      | 9,73                      | 1,00   | 1,71   | 2,83   | 0,38             |
| 4464 | 17:43:21 | 0,20             | 0,14             | 0,43             | 3,82                      | 3,43                      | 9,73                      | 1,94   | 1,52   | 1,95   | 0,55             |
| 4465 | 17:43:26 | 0,10             | 0,08             | 0,27             | 3,82                      | 3,43                      | 9,73                      | 1,96   | 2,69   | 1,55   | 0,32             |
| 4466 | 17:43:31 | 0,25             | 0,13             | 0,50             | 3,82                      | 3,43                      | 9,73                      | 3,30   | 1,69   | 2,34   | 0,63             |
| 4467 | 17:43:36 | 0,16             | 0,17             | 0,29             | 3,82                      | 3,43                      | 9,73                      | 2,65   | 2,74   | 2,18   | 0,44             |
| 4468 | 17:43:41 | 0,09             | 0,14             | 0,25             | 3,82                      | 3,43                      | 9,73                      | 3,55   | 1,52   | 3,48   | 0,34             |
| 4469 | 17:43:46 | 0,09             | 0,07             | 0,23             | 3,82                      | 3,43                      | 9,73                      | 2,35   | 2,87   | 1,97   | 0,27             |
| 4470 | 17:43:51 | 0,21             | 0,19             | 0,42             | 3,82                      | 3,43                      | 9,73                      | 1,19   | 1,53   | 1,55   | 0,58             |
| 4471 | 17:43:56 | 0,12             | 0,13             | 0,31             | 3,82                      | 3,43                      | 9,73                      | 2,05   | 1,25   | 2,41   | 0,40             |
| 4472 | 17:44:01 | 0,11             | 0,06             | 0,22             | 3,82                      | 3,43                      | 9,73                      | 1,19   | 2,49   | 1,52   | 0,28             |
| 4473 | 17:44:06 | 0,15             | 0,11             | 0,37             | 3,82                      | 3,43                      | 9,73                      | 2,60   | 2,79   | 2,89   | 0,46             |
| 4474 | 17:44:11 | 0,11             | 0,07             | 0,31             | 3,82                      | 3,43                      | 9,73                      | 2,42   | 2,38   | 2,54   | 0,36             |
| 4475 | 17:44:16 | 0,17             | 0,07             | 0,41             | 3,82                      | 3,43                      | 9,73                      | 0,88   | 1,55   | 1,45   | 0,48             |
| 4476 | 17:44:21 | 0,26             | 0,08             | 0,47             | 3,82                      | 3,43                      | 9,74                      | 0,79   | 2,57   | 1,33   | 0,60             |
| 4477 | 17:44:26 | 0,12             | 0,09             | 0,32             | 3,82                      | 3,43                      | 9,74                      | 1,36   | 1,80   | 2,42   | 0,38             |
| 4478 | 17:44:31 | 0,18             | 0,09             | 0,39             | 3,82                      | 3,43                      | 9,74                      | 1,79   | 2,38   | 2,56   | 0,48             |
| 4479 | 17:44:36 | 0,21             | 0,11             | 0,48             | 3,82                      | 3,43                      | 9,74                      | 1,86   | 2,06   | 1,79   | 0,58             |
| 4480 | 17:44:41 | 0,12             | 0,09             | 0,30             | 3,82                      | 3,43                      | 9,74                      | 2,48   | 2,13   | 3,54   | 0,37             |
| 4481 | 17:44:46 | 0,14             | 0,11             | 0,28             | 3,82                      | 3,43                      | 9,74                      | 2,04   | 2,76   | 4,50   | 0,38             |
| 4482 | 17:44:51 | 0,12             | 0,12             | 0,36             | 3,83                      | 3,43                      | 9,74                      | 3,22   | 2,87   | 2,47   | 0,44             |
| 4483 | 17:44:56 | 0,16             | 0,12             | 0,33             | 3,83                      | 3,43                      | 9,74                      | 3,06   | 2,02   | 3,76   | 0,43             |
| 4484 | 17:45:01 | 0,15             | 0,08             | 0,38             | 3,83                      | 3,43                      | 9,74                      | 1,41   | 2,21   | 1,62   | 0,45             |
| 4485 | 17:45:06 | 0,14             | 0,14             | 0,38             | 3,83                      | 3,43                      | 9,74                      | 1,16   | 1,65   | 1,29   | 0,47             |
| 4486 | 17:45:11 | 0,15             | 0,12             | 0,32             | 3,83                      | 3,43                      | 9,74                      | 1,16   | 2,73   | 1,24   | 0,42             |
| 4487 | 17:45:16 | 0,13             | 0,13             | 0,37             | 3,83                      | 3,43                      | 9,74                      | 2,48   | 2,74   | 2,24   | 0,45             |
| 4488 | 17:45:21 | 0,16             | 0,12             | 0,40             | 3,83                      | 3,43                      | 9,74                      | 1,54   | 2,02   | 2,35   | 0,49             |
| 4489 | 17:45:26 | 0,11             | 0,15             | 0,40             | 3,83                      | 3,43                      | 9,74                      | 1,90   | 1,99   | 1,73   | 0,48             |
| 4490 | 17:45:31 | 0,16             | 0,11             | 0,33             | 3,83                      | 3,43                      | 9,74                      | 2,24   | 2,07   | 3,67   | 0,43             |
| 4491 | 17:45:36 | 0,18             | 0,13             | 0,49             | 3,83                      | 3,43                      | 9,74                      | 0,90   | 1,15   | 0,90   | 0,58             |
| 4492 | 17:45:41 | 0,11             | 0,07             | 0,32             | 3,83                      | 3,43                      | 9,74                      | 2,23   | 3,07   | 2,60   | 0,37             |
| 4493 | 17:45:46 | 0,15             | 0,10             | 0,34             | 3,83                      | 3,43                      | 9,74                      | 0,93   | 2,05   | 2,15   | 0,42             |
| 4494 | 17:45:51 | 0,10             | 0,12             | 0,39             | 3,83                      | 3,43                      | 9,74                      | 1,74   | 3,14   | 2,06   | 0,45             |
| 4495 | 17:45:56 | 0,20             | 0,19             | 0,50             | 3,83                      | 3,43                      | 9,74                      | 2,20   | 2,97   | 2,05   | 0,63             |
| 4496 | 17:46:01 | 0,10             | 0,14             | 0,36             | 3,83                      | 3,43                      | 9,74                      | 2,65   | 2,14   | 2,04   | 0,43             |
| 4497 | 17:46:06 | 0,25             | 0,16             | 0,54             | 3,83                      | 3,43                      | 9,74                      | 2,30   | 2,31   | 2,80   | 0,68             |
| 4498 | 17:46:11 | 0,18             | 0,13             | 0,44             | 3,83                      | 3,43                      | 9,74                      | 0,74   | 1,16   | 1,09   | 0,53             |
| 4499 | 17:46:16 | 0,16             | 0,13             | 0,48             | 3,83                      | 3,43                      | 9,74                      | 2,27   | 1,81   | 1,44   | 0,56             |
| 4500 | 17:46:21 | 0,22             | 0,14             | 0,47             | 3,83                      | 3,43                      | 9,74                      | 1,58   | 2,13   | 2,17   | 0,60             |
| 4501 | 17:46:26 | 0,22             | 0,11             | 0,43             | 3,83                      | 3,43                      | 9,74                      | 0,91   | 2,90   | 2,23   | 0,55             |
| 4502 | 17:46:31 | 0,16             | 0,15             | 0,37             | 3,83                      | 3,43                      | 9,74                      | 1,83   | 2,66   | 2,34   | 0,48             |
| 4503 | 17:46:36 | 0,17             | 0,12             | 0,35             | 3,83                      | 3,43                      | 9,74                      | 2,50   | 2,16   | 2,49   | 0,45             |
| 4504 | 17:46:41 | 0,32             | 0,23             | 0,78             | 3,83                      | 3,43                      | 9,74                      | 1,36   | 1,23   | 1,60   | 0,96             |
| 4505 | 17:46:46 | 0,21             | 0,17             | 0,53             | 3,83                      | 3,43                      | 9,74                      | 3,25   | 3,16   | 3,25   | 0,65             |
| 4506 | 17:46:51 | 0,21             | 0,14             | 0,46             | 3,83                      | 3,43                      | 9,74                      | 1,00   | 1,15   | 1,87   | 0,58             |
| 4507 | 17:46:56 | 0,21             | 0,10             | 0,41             | 3,83                      | 3,43                      | 9,74                      | 1,23   | 2,63   | 2,09   | 0,52             |
| 4508 | 17:47:01 | 0,15             | 0,13             | 0,34             | 3,83                      | 3,43                      | 9,74                      | 1,51   | 2,84   | 2,74   | 0,43             |
| 4509 | 17:47:06 | 0,13             | 0,14             | 0,34             | 3,83                      | 3,43                      | 9,74                      | 1,43   | 1,23   | 1,56   | 0,43             |
| 4510 | 17:47:11 | 0,15             | 0,16             | 0,33             | 3,83                      | 3,43                      | 9,74                      | 1,73   | 2,28   | 3,18   | 0,45             |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4511 | 17:47:16 | 0,14            | 0,15            | 0,37            | 3,83                     | 3,43                     | 9,74                     | 2,35   | 1,10   | 3,79   | 0,47            |
| 4512 | 17:47:21 | 0,23            | 0,16            | 0,44            | 3,83                     | 3,43                     | 9,74                     | 2,28   | 2,56   | 2,63   | 0,59            |
| 4513 | 17:47:27 | 0,19            | 0,15            | 0,43            | 3,83                     | 3,43                     | 9,74                     | 1,33   | 2,26   | 1,81   | 0,55            |
| 4514 | 17:47:32 | 0,21            | 0,19            | 0,40            | 3,83                     | 3,43                     | 9,74                     | 1,11   | 1,31   | 1,44   | 0,56            |
| 4515 | 17:47:37 | 0,15            | 0,15            | 0,36            | 3,83                     | 3,43                     | 9,74                     | 2,86   | 4,05   | 2,95   | 0,47            |
| 4516 | 17:47:42 | 0,22            | 0,17            | 0,51            | 3,83                     | 3,43                     | 9,74                     | 2,67   | 2,88   | 2,12   | 0,64            |
| 4517 | 17:47:47 | 0,29            | 0,20            | 0,53            | 3,83                     | 3,43                     | 9,74                     | 1,19   | 0,77   | 1,25   | 0,72            |
| 4518 | 17:47:52 | 0,24            | 0,13            | 0,49            | 3,83                     | 3,43                     | 9,74                     | 3,37   | 2,36   | 4,17   | 0,62            |
| 4519 | 17:47:57 | 0,20            | 0,12            | 0,46            | 3,83                     | 3,43                     | 9,74                     | 1,64   | 2,32   | 1,68   | 0,57            |
| 4520 | 17:48:02 | 0,10            | 0,10            | 0,25            | 3,83                     | 3,43                     | 9,74                     | 1,06   | 2,86   | 1,59   | 0,31            |
| 4521 | 17:48:07 | 0,11            | 0,10            | 0,29            | 3,83                     | 3,43                     | 9,74                     | 1,93   | 2,10   | 2,86   | 0,35            |
| 4522 | 17:48:12 | 0,21            | 0,10            | 0,42            | 3,83                     | 3,43                     | 9,74                     | 3,08   | 1,92   | 2,36   | 0,53            |
| 4523 | 17:48:17 | 0,15            | 0,11            | 0,30            | 3,83                     | 3,43                     | 9,74                     | 1,21   | 2,42   | 2,02   | 0,40            |
| 4524 | 17:48:22 | 0,19            | 0,14            | 0,39            | 3,83                     | 3,43                     | 9,74                     | 1,20   | 2,96   | 1,77   | 0,51            |
| 4525 | 17:48:27 | 0,27            | 0,16            | 0,54            | 3,83                     | 3,43                     | 9,74                     | 1,17   | 2,61   | 1,84   | 0,71            |
| 4526 | 17:48:32 | 0,31            | 0,13            | 0,67            | 3,83                     | 3,43                     | 9,74                     | 2,37   | 2,34   | 2,73   | 0,82            |
| 4527 | 17:48:37 | 0,38            | 0,20            | 0,64            | 3,83                     | 3,43                     | 9,75                     | 0,60   | 1,58   | 1,11   | 0,88            |
| 4528 | 17:48:42 | 0,14            | 0,21            | 0,34            | 3,83                     | 3,43                     | 9,75                     | 1,91   | 2,23   | 2,55   | 0,49            |
| 4529 | 17:48:47 | 0,23            | 0,15            | 0,47            | 3,83                     | 3,43                     | 9,75                     | 1,89   | 2,27   | 2,60   | 0,61            |
| 4530 | 17:48:52 | 0,26            | 0,12            | 0,45            | 3,83                     | 3,43                     | 9,75                     | 2,55   | 2,53   | 2,79   | 0,60            |
| 4531 | 17:48:57 | 0,19            | 0,17            | 0,36            | 3,83                     | 3,43                     | 9,75                     | 0,48   | 1,02   | 1,34   | 0,50            |
| 4532 | 17:49:02 | 0,13            | 0,11            | 0,28            | 3,83                     | 3,43                     | 9,75                     | 1,91   | 2,73   | 1,75   | 0,37            |
| 4533 | 17:49:07 | 0,22            | 0,18            | 0,41            | 3,83                     | 3,43                     | 9,75                     | 1,52   | 1,22   | 1,86   | 0,57            |
| 4534 | 17:49:12 | 0,18            | 0,14            | 0,37            | 3,83                     | 3,43                     | 9,75                     | 2,31   | 2,87   | 2,31   | 0,49            |
| 4535 | 17:49:17 | 0,11            | 0,10            | 0,29            | 3,83                     | 3,43                     | 9,75                     | 3,23   | 4,17   | 2,97   | 0,36            |
| 4536 | 17:49:22 | 0,19            | 0,12            | 0,38            | 3,83                     | 3,43                     | 9,75                     | 2,32   | 1,45   | 2,50   | 0,49            |
| 4537 | 17:49:27 | 0,17            | 0,14            | 0,42            | 3,83                     | 3,43                     | 9,75                     | 1,31   | 1,86   | 1,61   | 0,52            |
| 4538 | 17:49:32 | 0,21            | 0,12            | 0,43            | 3,83                     | 3,43                     | 9,75                     | 1,48   | 2,28   | 1,05   | 0,55            |
| 4539 | 17:49:37 | 0,13            | 0,10            | 0,29            | 3,83                     | 3,43                     | 9,75                     | 2,63   | 2,39   | 2,88   | 0,38            |
| 4540 | 17:49:42 | 0,15            | 0,12            | 0,31            | 3,83                     | 3,43                     | 9,75                     | 1,33   | 1,29   | 1,73   | 0,41            |
| 4541 | 17:49:47 | 0,13            | 0,11            | 0,31            | 3,83                     | 3,43                     | 9,75                     | 2,15   | 3,14   | 1,74   | 0,39            |
| 4542 | 17:49:52 | 0,11            | 0,11            | 0,27            | 3,83                     | 3,43                     | 9,75                     | 1,65   | 1,93   | 2,46   | 0,34            |
| 4543 | 17:49:57 | 0,13            | 0,12            | 0,26            | 3,83                     | 3,43                     | 9,75                     | 2,43   | 2,47   | 2,43   | 0,36            |
| 4544 | 17:50:02 | 0,15            | 0,12            | 0,30            | 3,83                     | 3,43                     | 9,75                     | 1,70   | 2,51   | 2,19   | 0,40            |
| 4545 | 17:50:07 | 0,18            | 0,14            | 0,39            | 3,83                     | 3,44                     | 9,75                     | 1,77   | 1,18   | 2,65   | 0,51            |
| 4546 | 17:50:12 | 0,16            | 0,12            | 0,33            | 3,83                     | 3,44                     | 9,75                     | 1,88   | 1,96   | 2,23   | 0,43            |
| 4547 | 17:50:17 | 0,10            | 0,13            | 0,29            | 3,83                     | 3,44                     | 9,75                     | 3,20   | 2,62   | 3,82   | 0,37            |
| 4548 | 17:50:22 | 0,29            | 0,12            | 0,56            | 3,83                     | 3,44                     | 9,75                     | 1,16   | 1,52   | 1,37   | 0,72            |
| 4549 | 17:50:27 | 0,15            | 0,14            | 0,33            | 3,83                     | 3,44                     | 9,75                     | 1,48   | 1,78   | 1,51   | 0,44            |
| 4550 | 17:50:32 | 0,14            | 0,15            | 0,29            | 3,83                     | 3,44                     | 9,75                     | 1,73   | 0,86   | 2,87   | 0,41            |
| 4551 | 17:50:37 | 0,15            | 0,13            | 0,38            | 3,83                     | 3,44                     | 9,75                     | 2,57   | 1,98   | 2,33   | 0,48            |
| 4552 | 17:50:42 | 0,15            | 0,09            | 0,33            | 3,83                     | 3,44                     | 9,75                     | 3,12   | 1,10   | 3,06   | 0,41            |
| 4553 | 17:50:47 | 0,26            | 0,16            | 0,50            | 3,83                     | 3,44                     | 9,75                     | 2,43   | 1,18   | 2,57   | 0,66            |
| 4554 | 17:50:52 | 0,13            | 0,15            | 0,30            | 3,83                     | 3,44                     | 9,75                     | 2,35   | 1,80   | 2,13   | 0,40            |
| 4555 | 17:50:57 | 0,10            | 0,11            | 0,29            | 3,83                     | 3,44                     | 9,75                     | 2,26   | 2,34   | 4,16   | 0,36            |
| 4556 | 17:51:02 | 0,10            | 0,11            | 0,28            | 3,83                     | 3,44                     | 9,75                     | 2,40   | 1,92   | 2,46   | 0,35            |
| 4557 | 17:51:07 | 0,09            | 0,08            | 0,20            | 3,83                     | 3,44                     | 9,75                     | 2,80   | 2,96   | 1,90   | 0,27            |
| 4558 | 17:51:12 | 0,11            | 0,23            | 0,23            | 3,83                     | 3,44                     | 9,75                     | 1,30   | 1,38   | 1,74   | 0,42            |
| 4559 | 17:51:17 | 0,15            | 0,24            | 0,31            | 3,83                     | 3,44                     | 9,75                     | 1,15   | 0,99   | 2,13   | 0,50            |
| 4560 | 17:51:22 | 0,15            | 0,16            | 0,28            | 3,83                     | 3,44                     | 9,75                     | 1,01   | 2,57   | 1,28   | 0,42            |
| 4561 | 17:51:27 | 0,08            | 0,10            | 0,19            | 3,83                     | 3,44                     | 9,75                     | 3,10   | 1,09   | 3,19   | 0,27            |
| 4562 | 17:51:32 | 0,13            | 0,16            | 0,34            | 3,83                     | 3,44                     | 9,75                     | 3,27   | 1,82   | 3,19   | 0,45            |
| 4563 | 17:51:37 | 0,13            | 0,09            | 0,16            | 3,83                     | 3,44                     | 9,75                     | 2,02   | 2,18   | 1,77   | 0,28            |
| 4564 | 17:51:42 | 0,10            | 0,08            | 0,21            | 3,83                     | 3,44                     | 9,75                     | 2,67   | 2,36   | 2,81   | 0,28            |
| 4565 | 17:51:47 | 0,12            | 0,14            | 0,23            | 3,83                     | 3,44                     | 9,75                     | 1,34   | 0,76   | 1,92   | 0,34            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4566 | 17:51:52 | 0,16            | 0,17            | 0,16            | 3,83                     | 3,44                     | 9,75                     | 0,78   | 1,96   | 3,56   | 0,37            |
| 4567 | 17:51:57 | 0,09            | 0,12            | 0,12            | 3,83                     | 3,44                     | 9,75                     | 2,38   | 0,92   | 2,96   | 0,25            |
| 4568 | 17:52:02 | 0,04            | 0,06            | 0,13            | 3,83                     | 3,44                     | 9,75                     | 2,53   | 2,42   | 3,24   | 0,17            |
| 4569 | 17:52:07 | 0,04            | 0,13            | 0,13            | 3,83                     | 3,44                     | 9,75                     | 2,40   | 2,14   | 2,68   | 0,23            |
| 4570 | 17:52:12 | 0,07            | 0,22            | 0,17            | 3,83                     | 3,44                     | 9,75                     | 2,02   | 0,75   | 1,20   | 0,37            |
| 4571 | 17:52:17 | 0,07            | 0,18            | 0,22            | 3,83                     | 3,44                     | 9,75                     | 1,62   | 1,19   | 1,36   | 0,35            |
| 4572 | 17:52:22 | 0,04            | 0,11            | 0,14            | 3,83                     | 3,44                     | 9,75                     | 2,27   | 2,40   | 4,06   | 0,21            |
| 4573 | 17:52:27 | 0,10            | 0,30            | 0,29            | 3,83                     | 3,44                     | 9,75                     | 1,92   | 0,99   | 1,82   | 0,53            |
| 4574 | 17:52:32 | 0,26            | 0,28            | 0,39            | 3,83                     | 3,44                     | 9,75                     | 1,47   | 1,96   | 1,65   | 0,66            |
| 4575 | 17:52:37 | 0,31            | 0,42            | 0,33            | 3,84                     | 3,44                     | 9,75                     | 1,68   | 1,23   | 1,21   | 0,80            |
| 4576 | 17:52:42 | 0,21            | 0,19            | 0,20            | 3,84                     | 3,44                     | 9,75                     | 1,89   | 1,14   | 2,60   | 0,44            |
| 4577 | 17:52:47 | 0,11            | 0,16            | 0,29            | 3,84                     | 3,44                     | 9,75                     | 2,53   | 0,98   | 2,78   | 0,40            |
| 4578 | 17:52:52 | 0,12            | 0,22            | 0,33            | 3,84                     | 3,44                     | 9,75                     | 4,54   | 4,26   | 4,53   | 0,48            |
| 4579 | 17:52:57 | 0,11            | 0,19            | 0,35            | 3,84                     | 3,44                     | 9,75                     | 3,12   | 1,58   | 3,97   | 0,46            |
| 4580 | 17:53:02 | 0,13            | 0,16            | 0,37            | 3,84                     | 3,44                     | 9,75                     | 1,23   | 1,13   | 1,54   | 0,47            |
| 4581 | 17:53:07 | 0,07            | 0,10            | 0,29            | 3,84                     | 3,44                     | 9,75                     | 2,53   | 2,14   | 2,02   | 0,34            |
| 4582 | 17:53:12 | 0,08            | 0,08            | 0,27            | 3,84                     | 3,44                     | 9,75                     | 3,15   | 2,02   | 1,81   | 0,32            |
| 4583 | 17:53:17 | 0,23            | 0,13            | 0,34            | 3,84                     | 3,44                     | 9,75                     | 1,75   | 1,55   | 1,65   | 0,50            |
| 4584 | 17:53:22 | 0,22            | 0,20            | 0,37            | 3,84                     | 3,44                     | 9,75                     | 0,64   | 0,98   | 1,69   | 0,56            |
| 4585 | 17:53:27 | 0,17            | 0,10            | 0,29            | 3,84                     | 3,44                     | 9,75                     | 1,30   | 2,57   | 2,84   | 0,40            |
| 4586 | 17:53:32 | 0,10            | 0,10            | 0,28            | 3,84                     | 3,44                     | 9,75                     | 2,28   | 1,92   | 2,03   | 0,35            |
| 4587 | 17:53:37 | 0,09            | 0,11            | 0,32            | 3,84                     | 3,44                     | 9,75                     | 2,48   | 2,43   | 2,07   | 0,38            |
| 4588 | 17:53:42 | 0,11            | 0,13            | 0,33            | 3,84                     | 3,44                     | 9,75                     | 2,68   | 1,67   | 1,74   | 0,41            |
| 4589 | 17:53:47 | 0,08            | 0,12            | 0,31            | 3,84                     | 3,44                     | 9,75                     | 2,14   | 2,38   | 1,54   | 0,37            |
| 4590 | 17:53:52 | 0,38            | 0,22            | 0,28            | 3,84                     | 3,44                     | 9,75                     | 1,68   | 2,18   | 1,35   | 0,68            |
| 4591 | 17:53:57 | 0,14            | 0,08            | 0,06            | 3,84                     | 3,44                     | 9,75                     | 0,81   | 0,74   | 0,92   | 0,23            |
| 4592 | 17:54:02 | 0,27            | 0,16            | 0,17            | 3,84                     | 3,44                     | 9,75                     | 1,85   | 2,68   | 2,04   | 0,47            |
| 4593 | 17:54:07 | 0,16            | 0,68            | 0,30            | 3,84                     | 3,45                     | 9,75                     | 2,36   | 1,83   | 2,89   | 1,03            |
| 4594 | 17:54:12 | 0,28            | 0,75            | 0,52            | 3,84                     | 3,46                     | 9,75                     | 1,19   | 0,87   | 2,09   | 1,23            |
| 4595 | 17:54:17 | 0,14            | 0,15            | 0,35            | 3,84                     | 3,46                     | 9,75                     | 1,25   | 1,28   | 2,88   | 0,45            |
| 4596 | 17:54:22 | 0,10            | 0,11            | 0,38            | 3,84                     | 3,46                     | 9,75                     | 2,87   | 3,38   | 2,37   | 0,43            |
| 4597 | 17:54:27 | 0,09            | 0,10            | 0,32            | 3,84                     | 3,46                     | 9,75                     | 2,32   | 3,76   | 3,70   | 0,37            |
| 4598 | 17:54:32 | 0,08            | 0,11            | 0,25            | 3,84                     | 3,46                     | 9,75                     | 2,70   | 1,21   | 2,12   | 0,31            |
| 4599 | 17:54:37 | 0,13            | 0,21            | 0,37            | 3,84                     | 3,47                     | 9,75                     | 1,41   | 3,46   | 1,46   | 0,50            |
| 4600 | 17:54:42 | 0,21            | 0,36            | 0,37            | 3,84                     | 3,47                     | 9,75                     | 1,58   | 0,78   | 1,85   | 0,69            |
| 4601 | 17:54:47 | 0,19            | 0,16            | 0,38            | 3,84                     | 3,47                     | 9,75                     | 2,21   | 1,48   | 2,14   | 0,51            |
| 4602 | 17:54:52 | 0,13            | 0,13            | 0,36            | 3,84                     | 3,47                     | 9,75                     | 2,61   | 1,71   | 2,47   | 0,44            |
| 4603 | 17:54:57 | 0,15            | 0,16            | 0,30            | 3,84                     | 3,47                     | 9,75                     | 1,26   | 1,61   | 1,21   | 0,43            |
| 4604 | 17:55:02 | 0,21            | 0,23            | 0,44            | 3,84                     | 3,47                     | 9,75                     | 3,86   | 2,40   | 2,04   | 0,62            |
| 4605 | 17:55:07 | 0,32            | 0,30            | 0,33            | 3,84                     | 3,47                     | 9,75                     | 1,78   | 1,30   | 2,08   | 0,70            |
| 4606 | 17:55:12 | 0,16            | 0,11            | 0,25            | 3,84                     | 3,47                     | 9,75                     | 1,30   | 2,97   | 2,46   | 0,37            |
| 4607 | 17:55:17 | 0,15            | 0,11            | 0,27            | 3,84                     | 3,47                     | 9,75                     | 1,51   | 2,67   | 2,86   | 0,38            |
| 4608 | 17:55:22 | 0,09            | 0,14            | 0,36            | 3,84                     | 3,47                     | 9,75                     | 2,81   | 1,91   | 2,33   | 0,44            |
| 4609 | 17:55:27 | 0,10            | 0,10            | 0,31            | 3,84                     | 3,47                     | 9,75                     | 1,37   | 2,36   | 1,18   | 0,37            |
| 4610 | 17:55:32 | 0,37            | 0,31            | 0,49            | 3,84                     | 3,47                     | 9,75                     | 1,35   | 0,86   | 1,32   | 0,83            |
| 4611 | 17:55:37 | 0,28            | 0,19            | 0,27            | 3,84                     | 3,47                     | 9,75                     | 1,02   | 1,01   | 2,46   | 0,55            |
| 4612 | 17:55:42 | 0,12            | 0,14            | 0,36            | 3,84                     | 3,47                     | 9,75                     | 2,79   | 2,46   | 2,49   | 0,44            |
| 4613 | 17:55:47 | 0,17            | 0,15            | 0,28            | 3,84                     | 3,47                     | 9,75                     | 1,31   | 1,76   | 4,16   | 0,42            |
| 4614 | 17:55:52 | 0,09            | 0,16            | 0,30            | 3,84                     | 3,47                     | 9,75                     | 3,75   | 1,96   | 2,41   | 0,40            |
| 4615 | 17:55:57 | 0,14            | 0,14            | 0,41            | 3,84                     | 3,47                     | 9,75                     | 1,55   | 1,53   | 1,75   | 0,50            |
| 4616 | 17:56:02 | 0,10            | 0,16            | 0,39            | 3,84                     | 3,47                     | 9,75                     | 2,18   | 2,13   | 1,97   | 0,47            |
| 4617 | 17:56:07 | 0,19            | 0,18            | 0,53            | 3,84                     | 3,47                     | 9,75                     | 1,17   | 2,43   | 1,18   | 0,65            |
| 4618 | 17:56:12 | 0,14            | 0,17            | 0,23            | 3,84                     | 3,47                     | 9,75                     | 2,19   | 2,56   | 1,82   | 0,38            |
| 4619 | 17:56:17 | 0,28            | 0,22            | 0,14            | 3,84                     | 3,47                     | 9,75                     | 0,88   | 1,41   | 0,90   | 0,52            |
| 4620 | 17:56:22 | 0,19            | 0,05            | 0,05            | 3,84                     | 3,47                     | 9,75                     | 0,73   | 0,83   | 1,61   | 0,27            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4621 | 17:56:27 | 0,06            | 0,02            | 0,03            | 3,84                     | 3,47                     | 9,75                     | 2,28   | 5,39   | 3,41   | 0,10            |
| 4622 | 17:56:32 | 0,49            | 0,34            | 0,20            | 3,85                     | 3,47                     | 9,75                     | 1,32   | 2,21   | 1,93   | 0,85            |
| 4623 | 17:56:37 | 0,26            | 0,23            | 0,23            | 3,85                     | 3,47                     | 9,75                     | 0,49   | 1,00   | 1,55   | 0,54            |
| 4624 | 17:56:42 | 0,17            | 0,10            | 0,23            | 3,85                     | 3,47                     | 9,75                     | 1,37   | 3,26   | 2,79   | 0,36            |
| 4625 | 17:56:47 | 0,08            | 0,10            | 0,25            | 3,85                     | 3,47                     | 9,75                     | 1,48   | 1,81   | 2,08   | 0,30            |
| 4626 | 17:56:52 | 0,13            | 0,21            | 0,54            | 3,85                     | 3,47                     | 9,75                     | 1,83   | 0,94   | 1,06   | 0,64            |
| 4627 | 17:56:57 | 0,18            | 0,20            | 0,21            | 3,85                     | 3,47                     | 9,75                     | 2,06   | 1,55   | 3,54   | 0,43            |
| 4628 | 17:57:02 | 0,24            | 0,28            | 0,18            | 3,85                     | 3,47                     | 9,75                     | 2,29   | 0,61   | 1,56   | 0,55            |
| 4629 | 17:57:07 | 0,39            | 0,14            | 0,17            | 3,85                     | 3,47                     | 9,75                     | 1,25   | 2,93   | 2,17   | 0,60            |
| 4630 | 17:57:12 | 0,21            | 0,24            | 0,39            | 3,85                     | 3,47                     | 9,75                     | 0,41   | 0,99   | 1,17   | 0,60            |
| 4631 | 17:57:17 | 0,13            | 0,15            | 0,17            | 3,85                     | 3,47                     | 9,75                     | 2,60   | 1,40   | 2,15   | 0,33            |
| 4632 | 17:57:22 | 0,18            | 0,09            | 0,21            | 3,85                     | 3,47                     | 9,75                     | 2,94   | 1,36   | 2,51   | 0,35            |
| 4633 | 17:57:27 | 0,09            | 0,12            | 0,20            | 3,85                     | 3,47                     | 9,75                     | 1,92   | 3,09   | 2,67   | 0,29            |
| 4634 | 17:57:32 | 0,14            | 0,19            | 0,31            | 3,85                     | 3,47                     | 9,75                     | 1,33   | 2,86   | 2,92   | 0,45            |
| 4635 | 17:57:37 | 0,12            | 0,26            | 0,46            | 3,85                     | 3,47                     | 9,75                     | 1,45   | 0,80   | 1,14   | 0,61            |
| 4636 | 17:57:42 | 0,14            | 0,10            | 0,24            | 3,85                     | 3,47                     | 9,75                     | 0,76   | 1,31   | 2,10   | 0,34            |
| 4637 | 17:57:47 | 0,08            | 0,10            | 0,23            | 3,85                     | 3,47                     | 9,75                     | 2,95   | 3,48   | 2,92   | 0,30            |
| 4638 | 17:57:52 | 0,13            | 0,15            | 0,33            | 3,85                     | 3,47                     | 9,75                     | 1,79   | 1,37   | 1,94   | 0,43            |
| 4639 | 17:57:57 | 0,13            | 0,20            | 0,17            | 3,85                     | 3,47                     | 9,75                     | 1,59   | 2,83   | 1,12   | 0,38            |
| 4640 | 17:58:02 | 0,12            | 0,08            | 0,06            | 3,85                     | 3,47                     | 9,75                     | 0,33   | 0,35   | 0,97   | 0,22            |
| 4641 | 17:58:07 | 0,01            | 0,01            | 0,03            | 3,85                     | 3,47                     | 9,75                     | 1,16   | 1,16   | 1,66   | 0,04            |
| 4642 | 17:58:12 | 0,01            | 0,01            | 0,02            | 3,85                     | 3,47                     | 9,75                     | 2,06   | 1,41   | 2,66   | 0,02            |
| 4643 | 17:58:17 | 0,01            | 0,01            | 0,02            | 3,85                     | 3,47                     | 9,75                     | 2,67   | 2,77   | 2,95   | 0,02            |
| 4644 | 17:58:22 | 0,01            | 0,01            | 0,02            | 3,85                     | 3,47                     | 9,75                     | 2,61   | 1,90   | 2,26   | 0,03            |
| 4645 | 17:58:27 | 0,14            | 0,03            | 0,06            | 3,85                     | 3,47                     | 9,75                     | 3,71   | 1,52   | 3,56   | 0,21            |
| 4646 | 17:58:32 | 0,36            | 0,12            | 0,16            | 3,85                     | 3,47                     | 9,75                     | 1,77   | 1,83   | 1,89   | 0,56            |
| 4647 | 17:58:37 | 0,23            | 0,17            | 0,22            | 3,85                     | 3,47                     | 9,75                     | 2,84   | 2,71   | 3,04   | 0,46            |
| 4648 | 17:58:42 | 0,09            | 0,16            | 0,19            | 3,85                     | 3,47                     | 9,75                     | 1,87   | 0,98   | 2,41   | 0,32            |
| 4649 | 17:58:47 | 0,05            | 0,10            | 0,16            | 3,85                     | 3,47                     | 9,75                     | 1,32   | 2,75   | 2,04   | 0,22            |
| 4650 | 17:58:52 | 0,12            | 0,16            | 0,19            | 3,85                     | 3,47                     | 9,75                     | 1,98   | 2,79   | 2,61   | 0,34            |
| 4651 | 17:58:57 | 0,10            | 0,37            | 0,20            | 3,85                     | 3,47                     | 9,75                     | 3,13   | 1,44   | 5,28   | 0,57            |
| 4652 | 17:59:02 | 0,21            | 0,26            | 0,34            | 3,85                     | 3,47                     | 9,75                     | 0,69   | 1,80   | 1,69   | 0,58            |
| 4653 | 17:59:07 | 0,10            | 0,17            | 0,25            | 3,85                     | 3,47                     | 9,75                     | 1,64   | 1,61   | 2,68   | 0,37            |
| 4654 | 17:59:12 | 0,09            | 0,16            | 0,33            | 3,85                     | 3,47                     | 9,75                     | 1,57   | 2,15   | 1,39   | 0,42            |
| 4655 | 17:59:18 | 0,23            | 0,16            | 0,32            | 3,85                     | 3,47                     | 9,75                     | 2,91   | 1,45   | 1,72   | 0,50            |
| 4656 | 17:59:23 | 0,23            | 0,21            | 0,21            | 3,85                     | 3,47                     | 9,75                     | 1,02   | 1,01   | 1,60   | 0,49            |
| 4657 | 17:59:28 | 0,11            | 0,13            | 0,23            | 3,85                     | 3,47                     | 9,75                     | 2,22   | 3,37   | 2,84   | 0,33            |
| 4658 | 17:59:33 | 0,11            | 0,20            | 0,20            | 3,85                     | 3,47                     | 9,75                     | 3,43   | 2,69   | 1,17   | 0,38            |
| 4659 | 17:59:38 | 0,09            | 0,10            | 0,20            | 3,85                     | 3,47                     | 9,75                     | 4,11   | 1,20   | 7,21   | 0,27            |
| 4660 | 17:59:43 | 0,15            | 0,21            | 0,27            | 3,85                     | 3,47                     | 9,75                     | 1,13   | 1,28   | 1,72   | 0,46            |
| 4661 | 17:59:48 | 0,15            | 0,21            | 0,28            | 3,85                     | 3,47                     | 9,75                     | 0,50   | 0,92   | 0,63   | 0,46            |
| 4662 | 17:59:53 | 0,10            | 0,13            | 0,07            | 3,85                     | 3,47                     | 9,75                     | 3,21   | 1,27   | 2,81   | 0,24            |
| 4663 | 17:59:58 | 0,20            | 0,13            | 0,15            | 3,85                     | 3,47                     | 9,75                     | 0,64   | 1,32   | 3,10   | 0,36            |
| 4664 | 18:00:03 | 0,17            | 0,13            | 0,17            | 3,85                     | 3,47                     | 9,75                     | 3,47   | 2,42   | 2,81   | 0,35            |
| 4665 | 18:00:08 | 0,12            | 0,18            | 0,23            | 3,85                     | 3,48                     | 9,75                     | 3,83   | 1,14   | 3,76   | 0,38            |
| 4666 | 18:00:13 | 0,19            | 0,21            | 0,39            | 3,85                     | 3,48                     | 9,75                     | 1,45   | 0,86   | 1,26   | 0,56            |
| 4667 | 18:00:18 | 0,16            | 0,15            | 0,23            | 3,85                     | 3,48                     | 9,75                     | 0,66   | 2,22   | 1,80   | 0,38            |
| 4668 | 18:00:23 | 0,10            | 0,20            | 0,19            | 3,85                     | 3,48                     | 9,75                     | 0,87   | 0,91   | 1,00   | 0,36            |
| 4669 | 18:00:28 | 0,12            | 0,10            | 0,06            | 3,85                     | 3,48                     | 9,75                     | 1,65   | 0,94   | 2,01   | 0,23            |
| 4670 | 18:00:33 | 0,17            | 0,06            | 0,05            | 3,85                     | 3,48                     | 9,75                     | 2,13   | 3,37   | 2,31   | 0,25            |
| 4671 | 18:00:38 | 0,13            | 0,04            | 0,04            | 3,85                     | 3,48                     | 9,75                     | 0,16   | 0,43   | 1,30   | 0,20            |
| 4672 | 18:00:43 | 0,03            | 0,01            | 0,02            | 3,85                     | 3,48                     | 9,75                     | 1,62   | 1,24   | 1,91   | 0,05            |
| 4673 | 18:00:48 | 0,04            | 0,01            | 0,03            | 3,85                     | 3,48                     | 9,75                     | 1,28   | 2,13   | 2,66   | 0,06            |
| 4674 | 18:00:53 | 0,09            | 0,02            | 0,03            | 3,85                     | 3,48                     | 9,75                     | 1,05   | 0,88   | 2,14   | 0,13            |
| 4675 | 18:00:58 | 0,11            | 0,03            | 0,04            | 3,85                     | 3,48                     | 9,75                     | 0,73   | 1,68   | 1,90   | 0,17            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4676 | 18:01:03 | 0,06            | 0,01            | 0,03            | 3,85                     | 3,48                     | 9,75                     | 0,75   | 1,23   | 2,74   | 0,10            |
| 4677 | 18:01:08 | 0,23            | 0,09            | 0,11            | 3,85                     | 3,48                     | 9,75                     | 1,80   | 2,70   | 2,90   | 0,37            |
| 4678 | 18:01:13 | 0,21            | 0,19            | 0,25            | 3,85                     | 3,48                     | 9,75                     | 0,86   | 1,76   | 2,06   | 0,47            |
| 4679 | 18:01:18 | 0,14            | 0,12            | 0,29            | 3,85                     | 3,48                     | 9,75                     | 1,61   | 2,36   | 3,07   | 0,39            |
| 4680 | 18:01:23 | 0,08            | 0,15            | 0,27            | 3,85                     | 3,48                     | 9,75                     | 1,91   | 1,42   | 2,41   | 0,36            |
| 4681 | 18:01:28 | 0,08            | 0,12            | 0,27            | 3,85                     | 3,48                     | 9,75                     | 1,84   | 0,96   | 2,94   | 0,33            |
| 4682 | 18:01:33 | 0,08            | 0,10            | 0,29            | 3,85                     | 3,48                     | 9,75                     | 1,83   | 2,07   | 1,82   | 0,34            |
| 4683 | 18:01:38 | 0,13            | 0,11            | 0,27            | 3,85                     | 3,48                     | 9,75                     | 2,93   | 1,96   | 2,43   | 0,37            |
| 4684 | 18:01:43 | 0,24            | 0,27            | 0,34            | 3,85                     | 3,48                     | 9,75                     | 0,97   | 2,05   | 5,48   | 0,61            |
| 4685 | 18:01:48 | 0,11            | 0,11            | 0,18            | 3,85                     | 3,48                     | 9,75                     | 2,18   | 1,62   | 0,73   | 0,28            |
| 4686 | 18:01:53 | 0,14            | 0,02            | 0,06            | 3,85                     | 3,48                     | 9,75                     | 0,05   | 1,06   | 1,06   | 0,21            |
| 4687 | 18:01:58 | 0,05            | 0,02            | 0,03            | 3,85                     | 3,48                     | 9,75                     | 2,21   | 2,06   | 3,11   | 0,08            |
| 4688 | 18:02:03 | 0,09            | 0,03            | 0,04            | 3,85                     | 3,48                     | 9,75                     | 0,72   | 0,89   | 1,33   | 0,13            |
| 4689 | 18:02:08 | 0,07            | 0,01            | 0,03            | 3,85                     | 3,48                     | 9,75                     | 1,07   | 2,80   | 2,23   | 0,10            |
| 4690 | 18:02:13 | 0,30            | 0,08            | 0,12            | 3,85                     | 3,48                     | 9,75                     | 2,58   | 3,20   | 2,97   | 0,45            |
| 4691 | 18:02:18 | 0,17            | 0,20            | 0,18            | 3,85                     | 3,48                     | 9,75                     | 0,81   | 2,14   | 1,68   | 0,41            |
| 4692 | 18:02:23 | 0,16            | 0,17            | 0,35            | 3,85                     | 3,48                     | 9,75                     | 2,18   | 1,44   | 1,10   | 0,48            |
| 4693 | 18:02:28 | 0,07            | 0,12            | 0,28            | 3,85                     | 3,48                     | 9,75                     | 2,42   | 2,61   | 2,98   | 0,34            |
| 4694 | 18:02:33 | 0,07            | 0,09            | 0,22            | 3,85                     | 3,48                     | 9,75                     | 1,65   | 1,37   | 1,84   | 0,28            |
| 4695 | 18:02:38 | 0,10            | 0,12            | 0,35            | 3,85                     | 3,48                     | 9,75                     | 1,70   | 2,40   | 2,37   | 0,42            |
| 4696 | 18:02:43 | 0,47            | 0,18            | 0,48            | 3,86                     | 3,48                     | 9,75                     | 0,88   | 1,82   | 1,11   | 0,85            |
| 4697 | 18:02:48 | 0,24            | 0,16            | 0,35            | 3,86                     | 3,48                     | 9,75                     | 1,10   | 1,93   | 1,27   | 0,53            |
| 4698 | 18:02:53 | 0,16            | 0,09            | 0,26            | 3,86                     | 3,48                     | 9,75                     | 1,11   | 3,00   | 2,18   | 0,36            |
| 4699 | 18:02:58 | 0,08            | 0,09            | 0,30            | 3,86                     | 3,48                     | 9,75                     | 1,45   | 2,40   | 1,42   | 0,35            |
| 4700 | 18:03:03 | 0,08            | 0,10            | 0,26            | 3,86                     | 3,48                     | 9,75                     | 2,75   | 2,12   | 2,63   | 0,32            |
| 4701 | 18:03:08 | 0,18            | 0,18            | 0,53            | 3,86                     | 3,48                     | 9,75                     | 3,82   | 2,63   | 2,06   | 0,63            |
| 4702 | 18:03:13 | 0,22            | 0,22            | 0,24            | 3,86                     | 3,48                     | 9,75                     | 0,95   | 0,42   | 0,82   | 0,50            |
| 4703 | 18:03:18 | 0,25            | 0,09            | 0,19            | 3,86                     | 3,48                     | 9,75                     | 0,66   | 1,48   | 1,85   | 0,41            |
| 4704 | 18:03:23 | 0,13            | 0,10            | 0,27            | 3,86                     | 3,48                     | 9,75                     | 1,82   | 2,23   | 1,50   | 0,36            |
| 4705 | 18:03:28 | 0,07            | 0,12            | 0,26            | 3,86                     | 3,48                     | 9,75                     | 1,74   | 1,30   | 2,33   | 0,33            |
| 4706 | 18:03:33 | 0,08            | 0,16            | 0,34            | 3,86                     | 3,48                     | 9,75                     | 2,22   | 2,32   | 2,32   | 0,42            |
| 4707 | 18:03:38 | 0,08            | 0,19            | 0,35            | 3,86                     | 3,48                     | 9,75                     | 2,33   | 2,27   | 2,40   | 0,46            |
| 4708 | 18:03:43 | 0,13            | 0,26            | 0,48            | 3,86                     | 3,48                     | 9,76                     | 1,81   | 1,67   | 1,51   | 0,63            |
| 4709 | 18:03:48 | 0,36            | 0,22            | 0,46            | 3,86                     | 3,48                     | 9,76                     | 0,77   | 2,14   | 1,78   | 0,75            |
| 4710 | 18:03:53 | 0,16            | 0,24            | 0,24            | 3,86                     | 3,48                     | 9,76                     | 1,57   | 1,99   | 2,19   | 0,47            |
| 4711 | 18:03:58 | 0,32            | 0,29            | 0,62            | 3,86                     | 3,48                     | 9,76                     | 1,07   | 1,87   | 1,88   | 0,87            |
| 4712 | 18:04:03 | 0,20            | 0,21            | 0,48            | 3,86                     | 3,48                     | 9,76                     | 1,02   | 1,33   | 0,93   | 0,62            |
| 4713 | 18:04:08 | 0,13            | 0,18            | 0,47            | 3,86                     | 3,48                     | 9,76                     | 2,25   | 3,67   | 2,73   | 0,56            |
| 4714 | 18:04:13 | 0,15            | 0,24            | 0,37            | 3,86                     | 3,48                     | 9,76                     | 1,97   | 1,31   | 4,00   | 0,54            |
| 4715 | 18:04:18 | 0,09            | 0,15            | 0,38            | 3,86                     | 3,48                     | 9,76                     | 1,96   | 2,19   | 2,23   | 0,45            |
| 4716 | 18:04:23 | 0,10            | 0,12            | 0,38            | 3,86                     | 3,48                     | 9,76                     | 3,70   | 2,81   | 3,74   | 0,44            |
| 4717 | 18:04:28 | 0,11            | 0,16            | 0,54            | 3,86                     | 3,48                     | 9,76                     | 3,12   | 2,33   | 4,39   | 0,61            |
| 4718 | 18:04:33 | 0,10            | 0,14            | 0,44            | 3,86                     | 3,48                     | 9,76                     | 2,99   | 2,80   | 2,45   | 0,50            |
| 4719 | 18:04:38 | 0,15            | 0,18            | 0,48            | 3,86                     | 3,48                     | 9,76                     | 2,31   | 2,41   | 3,17   | 0,58            |
| 4720 | 18:04:43 | 0,29            | 0,18            | 0,40            | 3,86                     | 3,48                     | 9,76                     | 2,78   | 3,29   | 1,47   | 0,62            |
| 4721 | 18:04:48 | 0,22            | 0,22            | 0,35            | 3,86                     | 3,48                     | 9,76                     | 1,22   | 1,82   | 1,45   | 0,56            |
| 4722 | 18:04:53 | 0,27            | 0,12            | 0,40            | 3,86                     | 3,48                     | 9,76                     | 1,86   | 1,70   | 1,83   | 0,58            |
| 4723 | 18:04:58 | 0,20            | 0,23            | 0,40            | 3,86                     | 3,48                     | 9,76                     | 1,45   | 2,54   | 3,26   | 0,59            |
| 4724 | 18:05:03 | 0,15            | 0,17            | 0,25            | 3,86                     | 3,48                     | 9,76                     | 0,96   | 1,25   | 1,74   | 0,41            |
| 4725 | 18:05:08 | 0,12            | 0,09            | 0,29            | 3,86                     | 3,48                     | 9,76                     | 1,68   | 2,45   | 1,80   | 0,36            |
| 4726 | 18:05:13 | 0,09            | 0,13            | 0,37            | 3,86                     | 3,48                     | 9,76                     | 3,89   | 2,75   | 2,27   | 0,43            |
| 4727 | 18:05:18 | 0,12            | 0,15            | 0,30            | 3,86                     | 3,48                     | 9,76                     | 1,60   | 1,74   | 1,40   | 0,40            |
| 4728 | 18:05:23 | 0,22            | 0,25            | 0,35            | 3,86                     | 3,48                     | 9,76                     | 4,23   | 2,48   | 3,77   | 0,58            |
| 4729 | 18:05:28 | 0,25            | 0,11            | 0,29            | 3,86                     | 3,48                     | 9,76                     | 1,69   | 2,39   | 2,49   | 0,48            |
| 4730 | 18:05:33 | 0,13            | 0,12            | 0,28            | 3,86                     | 3,48                     | 9,76                     | 0,67   | 0,79   | 1,44   | 0,37            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mr}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 4731 | 18:05:38 | 0,10            | 0,12            | 0,22            | 3,86                     | 3,48                     | 9,76                     | 2,05   | 4,03   | 2,85   | 0,31            |
| 4732 | 18:05:43 | 0,13            | 0,18            | 0,34            | 3,86                     | 3,48                     | 9,76                     | 1,94   | 1,30   | 1,33   | 0,46            |
| 4733 | 18:05:48 | 0,15            | 0,08            | 0,17            | 3,86                     | 3,48                     | 9,76                     | 0,88   | 1,50   | 2,84   | 0,30            |
| 4734 | 18:05:53 | 0,07            | 0,13            | 0,24            | 3,86                     | 3,48                     | 9,76                     | 1,42   | 2,28   | 2,17   | 0,32            |
| 4735 | 18:05:58 | 0,08            | 0,12            | 0,29            | 3,86                     | 3,48                     | 9,76                     | 1,56   | 2,16   | 2,36   | 0,36            |
| 4736 | 18:06:04 | 0,07            | 0,14            | 0,29            | 3,86                     | 3,48                     | 9,76                     | 3,35   | 1,47   | 2,47   | 0,37            |
| 4737 | 18:06:09 | 0,07            | 0,09            | 0,23            | 3,86                     | 3,48                     | 9,76                     | 2,43   | 1,07   | 2,31   | 0,28            |
| 4738 | 18:06:14 | 0,12            | 0,13            | 0,20            | 3,86                     | 3,48                     | 9,76                     | 0,60   | 2,32   | 2,25   | 0,32            |
| 4739 | 18:06:19 | 0,08            | 0,21            | 0,13            | 3,86                     | 3,48                     | 9,76                     | 1,02   | 1,28   | 2,57   | 0,34            |
| 4740 | 18:06:24 | 0,07            | 0,17            | 0,12            | 3,86                     | 3,48                     | 9,76                     | 1,73   | 0,87   | 1,43   | 0,29            |
| 4741 | 18:06:29 | 0,09            | 0,11            | 0,05            | 3,86                     | 3,48                     | 9,76                     | 1,42   | 1,22   | 2,84   | 0,21            |
| 4742 | 18:06:34 | 0,16            | 0,13            | 0,07            | 3,86                     | 3,48                     | 9,76                     | 1,84   | 2,46   | 1,88   | 0,29            |
| 4743 | 18:06:39 | 0,09            | 0,07            | 0,04            | 3,86                     | 3,48                     | 9,76                     | 0,47   | 0,79   | 2,25   | 0,17            |
| 4744 | 18:06:44 | 0,16            | 0,07            | 0,08            | 3,86                     | 3,48                     | 9,76                     | 1,18   | 1,73   | 1,90   | 0,25            |
| 4745 | 18:06:49 | 0,03            | 0,02            | 0,04            | 3,86                     | 3,48                     | 9,76                     | 0,43   | 0,65   | 1,49   | 0,07            |
| 4746 | 18:06:54 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,10   | 2,42   | 2,73   | 0,03            |
| 4747 | 18:06:59 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 4,62   | 4,37   | 3,05   | 0,03            |
| 4748 | 18:07:04 | 0,01            | 0,02            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 0,92   | 1,11   | 2,85   | 0,04            |
| 4749 | 18:07:09 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,64   | 3,03   | 2,31   | 0,03            |
| 4750 | 18:07:14 | 0,01            | 0,02            | 0,04            | 3,86                     | 3,48                     | 9,76                     | 4,77   | 3,89   | 2,39   | 0,05            |
| 4751 | 18:07:19 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 0,62   | 1,64   | 2,36   | 0,04            |
| 4752 | 18:07:24 | 0,02            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 1,47   | 1,54   | 2,43   | 0,04            |
| 4753 | 18:07:29 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,69   | 2,47   | 2,79   | 0,03            |
| 4754 | 18:07:34 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 1,99   | 2,58   | 2,84   | 0,04            |
| 4755 | 18:07:39 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 1,75   | 1,22   | 2,42   | 0,03            |
| 4756 | 18:07:44 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,84   | 2,83   | 2,68   | 0,03            |
| 4757 | 18:07:49 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 1,71   | 1,79   | 2,18   | 0,03            |
| 4758 | 18:07:54 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 1,88   | 1,81   | 2,32   | 0,03            |
| 4759 | 18:07:59 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,22   | 2,92   | 2,07   | 0,03            |
| 4760 | 18:08:04 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,32   | 3,11   | 2,67   | 0,03            |
| 4761 | 18:08:09 | 0,01            | 0,01            | 0,03            | 3,86                     | 3,48                     | 9,76                     | 2,11   | 3,79   | 2,84   | 0,04            |
| 4762 | 18:08:14 | 0,02            | 0,07            | 0,06            | 3,86                     | 3,48                     | 9,76                     | 3,31   | 2,90   | 3,22   | 0,12            |
| 4763 | 18:08:19 | 0,28            | 0,20            | 0,17            | 3,86                     | 3,48                     | 9,76                     | 0,10   | 0,24   | 1,33   | 0,51            |
| 4764 | 18:08:24 | 0,01            | 0,02            | 0,12            | 3,86                     | 3,48                     | 9,76                     | 1,96   | 2,92   | 1,81   | 0,13            |
| 4765 | 18:08:29 | 0,01            | 0,05            | 0,12            | 3,86                     | 3,48                     | 9,76                     | 3,37   | 1,91   | 2,09   | 0,14            |
| 4766 | 18:08:34 | 0,01            | 0,02            | 0,13            | 3,86                     | 3,48                     | 9,76                     | 2,56   | 2,12   | 1,85   | 0,13            |
| 4767 | 18:08:39 | 0,01            | 0,02            | 0,13            | 3,86                     | 3,48                     | 9,76                     | 2,08   | 2,68   | 1,95   | 0,13            |
| 4768 | 18:08:44 | 0,01            | 0,02            | 0,13            | 3,86                     | 3,48                     | 9,76                     | 3,16   | 2,33   | 1,84   | 0,13            |
| 4769 | 18:08:49 | 0,24            | 0,38            | 1,50            | 3,86                     | 3,49                     | 9,90                     | 4,62   | 5,19   | 9,80   | 1,63            |
| 4770 | 18:08:54 | 1,72            | 1,20            | 1,50            | 4,32                     | 3,69                     | 9,99                     | 0,89   | 1,80   | 2,19   | 3,30            |
| 4771 | 18:08:59 | 1,05            | 1,61            | 0,91            | 4,36                     | 4,07                     | 10,00                    | 1,96   | 1,51   | 2,80   | 2,84            |
| 4772 | 18:09:04 | 1,23            | 1,73            | 1,20            | 4,42                     | 4,40                     | 10,01                    | 1,07   | 1,40   | 2,56   | 3,21            |
| 4773 | 18:09:09 | 0,99            | 1,76            | 1,02            | 4,44                     | 4,71                     | 10,02                    | 2,41   | 1,73   | 1,93   | 3,01            |
| 4774 | 18:09:14 | 1,76            | 1,63            | 1,27            | 4,95                     | 4,94                     | 10,03                    | 0,94   | 0,99   | 0,84   | 3,59            |

Empresa avaliada: MUNICIPIO DE PATO BRAGADO  
Setor: SECRETARIA DE OBRAS  
Funcionário avaliado: OPERADOR DE MÁQUINA  
Tipo: VCI

Empresa avaliadora: SAO LUCAS MEDICINA E SEGURANÇA DO TRABALHO LTDA  
Realizado por: ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Data: 07/08/2025  
Jornada de trabalho [hh:mm]: 08:00

**Componentes de exposição**

| Evento | arep  | VDVj(X) | VDVj(Y) | VDVj(Z) | FC(X) | FC(Y) | FC(Z) | Tempo de exposição |
|--------|-------|---------|---------|---------|-------|-------|-------|--------------------|
| 1      | 00,99 | 09,11   | 08,35   | 26,15   | 11,57 | 11,35 | 13,41 | 08:00              |

**Resultado da avaliação**

|                                |                                |                                    |
|--------------------------------|--------------------------------|------------------------------------|
| are [m/s <sup>2</sup> ]: 0,99  | VDVexpj [m/s <sup>1,75</sup> ] | VDVR [m/s <sup>1,75</sup> ]: 33,54 |
| aren [m/s <sup>2</sup> ]: 0,99 | X: 15,99                       |                                    |
| FC: 13,41                      | Y: 14,65                       |                                    |
|                                | Z: 32,78                       |                                    |

**Calibração**

Cert. cal.: CRS0172/2025 21/01/2025

**Observações**

ENG<sup>a</sup> THAIS LUANA GRZEGOZESKI  
Registro: CREA PR 147394/D

**Configurações**

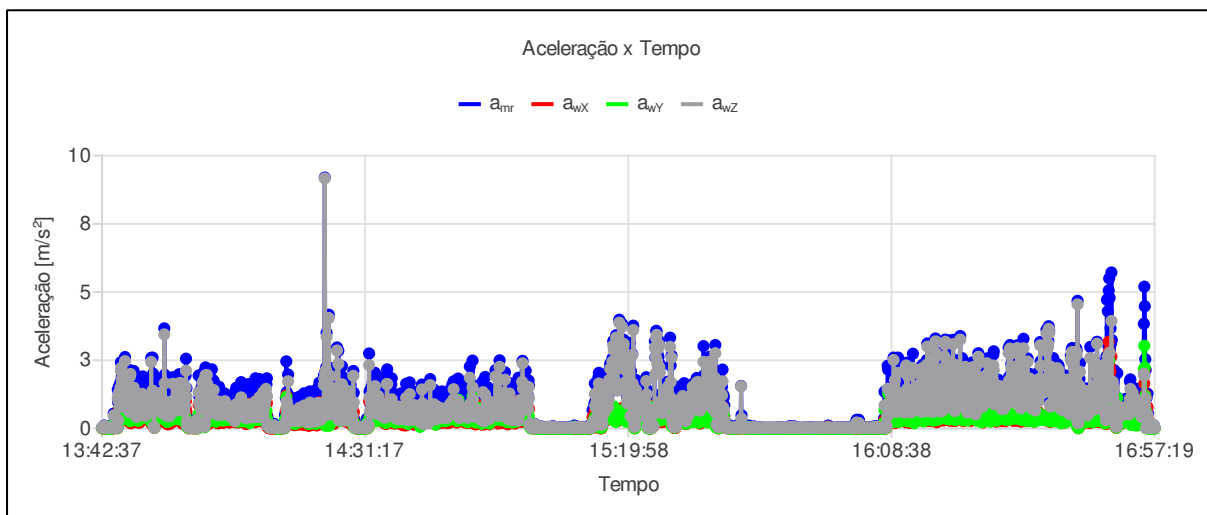
|                                 |                          |                        |
|---------------------------------|--------------------------|------------------------|
| Evento: 1                       | Tarefa: Ensaio02         |                        |
| Ponderação de tempo: Rápida (F) | Ponderação em frequência | Fator de multiplicação |
| Tempo de amostragem [s]: 5      | X: Wd                    | X: 01,40               |
| Início: 13:42:37                | Y: Wd                    | Y: 01,40               |
| Fim: 16:57:19                   | Z: Wk                    | Z: 01,00               |
| Duração: 03:14:25               |                          |                        |
| Tempo de exposição: 08:00:00    |                          |                        |
| Tempo em pausa: 00:00:00        |                          |                        |

**Sensor**

|                  |                      |
|------------------|----------------------|
| Nome: VCI CR-100 | Sensibilidade [mV/g] |
| NS: 00053        | X: 117,00            |
|                  | Y: 115,50            |
|                  | Z: 115,50            |

**Resultados**

| Aceleração                 |                            |                           |                          |
|----------------------------|----------------------------|---------------------------|--------------------------|
| Máximo [m/s <sup>2</sup> ] | Mínimo [m/s <sup>2</sup> ] | Média [m/s <sup>2</sup> ] | Pico [m/s <sup>2</sup> ] |
| X: 03,18                   | X: 00,00                   | X: 00,29                  | X: 08,42                 |
| Y: 03,03                   | Y: 00,00                   | Y: 00,30                  | Y: 04,70                 |
| Z: 09,17                   | Z: 00,02                   | Z: 00,74                  | Z: 17,14                 |

**Gráfico**

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 001 | 13:42:37 | 0,01            | 0,01            | 0,02            | 0,01                     | 0,01                     | 0,04                     | 2,98   | 2,43   | 2,84   | 0,02            |
| 002 | 13:42:42 | 0,01            | 0,01            | 0,03            | 0,02                     | 0,02                     | 0,07                     | 3,35   | 2,28   | 3,08   | 0,03            |
| 003 | 13:42:47 | 0,01            | 0,01            | 0,03            | 0,03                     | 0,03                     | 0,09                     | 1,40   | 2,13   | 2,18   | 0,04            |
| 004 | 13:42:52 | 0,01            | 0,01            | 0,04            | 0,03                     | 0,03                     | 0,13                     | 1,19   | 1,15   | 1,80   | 0,04            |
| 005 | 13:42:57 | 0,01            | 0,01            | 0,03            | 0,03                     | 0,03                     | 0,13                     | 1,65   | 1,26   | 1,86   | 0,03            |
| 006 | 13:43:02 | 0,02            | 0,02            | 0,10            | 0,06                     | 0,04                     | 0,32                     | 4,36   | 3,66   | 6,96   | 0,11            |
| 007 | 13:43:07 | 0,02            | 0,02            | 0,07            | 0,06                     | 0,06                     | 0,33                     | 1,87   | 0,64   | 1,74   | 0,09            |
| 008 | 13:43:12 | 0,01            | 0,02            | 0,07            | 0,06                     | 0,08                     | 0,34                     | 3,81   | 7,22   | 4,67   | 0,08            |
| 009 | 13:43:17 | 0,01            | 0,03            | 0,03            | 0,06                     | 0,09                     | 0,34                     | 1,72   | 0,94   | 3,11   | 0,05            |
| 010 | 13:43:22 | 0,01            | 0,02            | 0,05            | 0,06                     | 0,09                     | 0,34                     | 1,94   | 2,58   | 2,40   | 0,06            |
| 011 | 13:43:27 | 0,01            | 0,01            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,38   | 0,93   | 3,31   | 0,03            |
| 012 | 13:43:32 | 0,00            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 1,73   | 3,93   | 2,44   | 0,02            |
| 013 | 13:43:37 | 0,00            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,62   | 4,10   | 2,42   | 0,02            |
| 014 | 13:43:42 | 0,00            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,23   | 2,60   | 2,31   | 0,02            |
| 015 | 13:43:47 | 0,00            | 0,01            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,65   | 1,34   | 2,60   | 0,02            |
| 016 | 13:43:52 | 0,01            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 1,69   | 2,07   | 2,63   | 0,02            |
| 017 | 13:43:57 | 0,00            | 0,01            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,37   | 1,79   | 2,64   | 0,02            |
| 018 | 13:44:02 | 0,01            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 1,25   | 2,39   | 3,01   | 0,02            |
| 019 | 13:44:07 | 0,00            | 0,00            | 0,02            | 0,06                     | 0,09                     | 0,34                     | 2,41   | 2,91   | 2,90   | 0,02            |
| 020 | 13:44:12 | 0,01            | 0,01            | 0,02            | 0,07                     | 0,09                     | 0,34                     | 2,45   | 1,80   | 2,58   | 0,02            |
| 021 | 13:44:17 | 0,00            | 0,00            | 0,02            | 0,07                     | 0,09                     | 0,34                     | 1,43   | 2,12   | 2,19   | 0,02            |
| 022 | 13:44:22 | 0,01            | 0,00            | 0,02            | 0,07                     | 0,09                     | 0,34                     | 2,26   | 1,92   | 2,75   | 0,02            |
| 023 | 13:44:27 | 0,00            | 0,01            | 0,03            | 0,07                     | 0,09                     | 0,34                     | 1,41   | 2,05   | 1,73   | 0,03            |
| 024 | 13:44:32 | 0,00            | 0,01            | 0,02            | 0,07                     | 0,09                     | 0,34                     | 1,53   | 1,25   | 2,78   | 0,02            |
| 025 | 13:44:37 | 0,01            | 0,01            | 0,02            | 0,07                     | 0,09                     | 0,34                     | 1,87   | 0,80   | 2,88   | 0,02            |
| 026 | 13:44:42 | 0,00            | 0,01            | 0,04            | 0,07                     | 0,09                     | 0,34                     | 5,87   | 6,50   | 9,00   | 0,04            |
| 027 | 13:44:47 | 0,11            | 0,16            | 0,48            | 0,32                     | 0,31                     | 2,07                     | 4,49   | 2,63   | 0,65   | 0,55            |
| 028 | 13:44:52 | 0,13            | 0,08            | 0,07            | 0,34                     | 0,33                     | 2,07                     | 0,58   | 1,54   | 1,08   | 0,23            |
| 029 | 13:44:57 | 0,03            | 0,07            | 0,04            | 0,34                     | 0,34                     | 2,07                     | 2,17   | 4,14   | 4,67   | 0,12            |
| 030 | 13:45:02 | 0,04            | 0,05            | 0,06            | 0,34                     | 0,34                     | 2,07                     | 0,48   | 0,65   | 2,37   | 0,11            |
| 031 | 13:45:07 | 0,05            | 0,05            | 0,07            | 0,34                     | 0,34                     | 2,07                     | 0,52   | 0,93   | 1,68   | 0,12            |
| 032 | 13:45:12 | 0,06            | 0,05            | 0,07            | 0,34                     | 0,34                     | 2,07                     | 2,37   | 1,13   | 2,60   | 0,13            |
| 033 | 13:45:17 | 0,08            | 0,06            | 0,06            | 0,35                     | 0,34                     | 2,07                     | 2,91   | 4,11   | 6,48   | 0,15            |
| 034 | 13:45:22 | 0,12            | 0,12            | 0,05            | 0,36                     | 0,36                     | 2,07                     | 0,19   | 0,13   | 1,45   | 0,24            |
| 035 | 13:45:27 | 0,01            | 0,01            | 0,02            | 0,36                     | 0,36                     | 2,07                     | 1,47   | 2,42   | 2,75   | 0,03            |
| 036 | 13:45:32 | 0,60            | 0,19            | 1,12            | 1,85                     | 0,47                     | 4,85                     | 4,20   | 4,35   | 6,80   | 1,43            |
| 037 | 13:45:37 | 0,37            | 0,54            | 0,31            | 1,91                     | 1,11                     | 4,85                     | 0,74   | 1,50   | 2,21   | 0,96            |
| 038 | 13:45:42 | 0,44            | 0,32            | 1,01            | 1,95                     | 1,13                     | 4,91                     | 1,60   | 2,07   | 2,02   | 1,26            |
| 039 | 13:45:47 | 0,46            | 0,36            | 1,32            | 2,05                     | 1,17                     | 5,11                     | 5,19   | 2,39   | 2,70   | 1,56            |
| 040 | 13:45:52 | 0,52            | 0,63            | 0,79            | 2,09                     | 1,34                     | 5,11                     | 1,56   | 2,20   | 1,77   | 1,39            |
| 041 | 13:45:57 | 0,42            | 0,71            | 0,88            | 2,10                     | 1,59                     | 5,14                     | 1,49   | 0,95   | 2,21   | 1,45            |
| 042 | 13:46:02 | 0,37            | 0,43            | 1,50            | 2,11                     | 1,62                     | 5,24                     | 2,17   | 1,82   | 2,19   | 1,70            |
| 043 | 13:46:07 | 0,53            | 0,66            | 2,12            | 2,14                     | 1,72                     | 5,70                     | 2,10   | 2,49   | 2,65   | 2,43            |
| 044 | 13:46:12 | 0,47            | 0,43            | 2,23            | 2,15                     | 1,74                     | 6,09                     | 2,10   | 2,21   | 1,97   | 2,40            |
| 045 | 13:46:17 | 0,39            | 0,38            | 1,73            | 2,16                     | 1,75                     | 6,20                     | 1,76   | 1,88   | 1,54   | 1,89            |
| 046 | 13:46:22 | 0,38            | 0,37            | 1,84            | 2,17                     | 1,77                     | 6,35                     | 1,98   | 2,16   | 1,58   | 1,99            |
| 047 | 13:46:27 | 0,35            | 0,35            | 1,37            | 2,17                     | 1,78                     | 6,39                     | 2,41   | 1,27   | 2,46   | 1,54            |
| 048 | 13:46:32 | 0,38            | 0,33            | 1,61            | 2,18                     | 1,79                     | 6,47                     | 1,93   | 1,70   | 2,29   | 1,76            |
| 049 | 13:46:37 | 0,33            | 0,55            | 1,00            | 2,18                     | 1,81                     | 6,48                     | 1,62   | 1,44   | 1,64   | 1,34            |
| 050 | 13:46:42 | 0,32            | 0,38            | 0,98            | 2,19                     | 1,83                     | 6,50                     | 3,00   | 1,35   | 3,01   | 1,21            |
| 051 | 13:46:47 | 0,38            | 0,44            | 1,94            | 2,19                     | 1,85                     | 6,63                     | 2,39   | 1,93   | 2,85   | 2,10            |
| 052 | 13:46:52 | 0,50            | 0,38            | 2,47            | 2,22                     | 1,86                     | 6,92                     | 2,49   | 2,38   | 2,56   | 2,62            |
| 053 | 13:46:57 | 0,57            | 0,65            | 1,07            | 2,25                     | 1,96                     | 6,96                     | 1,57   | 1,17   | 1,85   | 1,62            |
| 054 | 13:47:02 | 0,47            | 0,72            | 1,01            | 2,26                     | 2,18                     | 6,97                     | 2,17   | 2,80   | 2,50   | 1,57            |
| 055 | 13:47:07 | 0,35            | 0,50            | 0,74            | 2,27                     | 2,19                     | 6,98                     | 1,89   | 1,42   | 2,10   | 1,13            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 056 | 13:47:12 | 0,32            | 0,35            | 0,80            | 2,27                     | 2,20                     | 6,98                     | 1,46   | 1,95   | 2,19   | 1,04            |
| 057 | 13:47:17 | 0,34            | 0,36            | 0,77            | 2,27                     | 2,20                     | 6,98                     | 2,30   | 1,92   | 3,01   | 1,03            |
| 058 | 13:47:22 | 0,30            | 0,35            | 0,75            | 2,28                     | 2,20                     | 6,99                     | 1,52   | 3,22   | 2,07   | 0,99            |
| 059 | 13:47:27 | 0,26            | 0,35            | 0,77            | 2,28                     | 2,21                     | 6,99                     | 1,99   | 1,41   | 2,73   | 0,99            |
| 060 | 13:47:32 | 0,35            | 0,37            | 0,68            | 2,28                     | 2,21                     | 6,99                     | 1,44   | 0,87   | 2,23   | 0,98            |
| 061 | 13:47:37 | 0,27            | 0,51            | 0,64            | 2,28                     | 2,23                     | 6,99                     | 2,98   | 2,09   | 1,62   | 1,03            |
| 062 | 13:47:42 | 0,30            | 0,41            | 0,60            | 2,29                     | 2,24                     | 7,00                     | 1,55   | 1,77   | 2,41   | 0,93            |
| 063 | 13:47:47 | 0,62            | 0,27            | 1,91            | 2,32                     | 2,24                     | 7,29                     | 2,76   | 2,64   | 4,05   | 2,14            |
| 064 | 13:47:52 | 0,36            | 0,28            | 2,00            | 2,34                     | 2,24                     | 7,71                     | 1,06   | 2,10   | 0,56   | 2,10            |
| 065 | 13:47:57 | 0,19            | 0,45            | 0,62            | 2,34                     | 2,25                     | 7,72                     | 2,15   | 1,74   | 2,80   | 0,92            |
| 066 | 13:48:02 | 0,24            | 0,47            | 0,62            | 2,34                     | 2,26                     | 7,72                     | 2,34   | 2,07   | 2,41   | 0,96            |
| 067 | 13:48:07 | 0,79            | 0,44            | 0,88            | 2,42                     | 2,27                     | 7,72                     | 1,42   | 1,96   | 2,64   | 1,54            |
| 068 | 13:48:12 | 0,38            | 0,54            | 0,91            | 2,43                     | 2,30                     | 7,73                     | 2,17   | 1,63   | 2,24   | 1,30            |
| 069 | 13:48:18 | 0,46            | 0,49            | 1,31            | 2,45                     | 2,30                     | 7,78                     | 1,97   | 2,61   | 1,67   | 1,62            |
| 070 | 13:48:23 | 0,49            | 0,90            | 0,98            | 2,48                     | 2,40                     | 7,79                     | 4,06   | 2,34   | 3,15   | 1,74            |
| 071 | 13:48:28 | 0,83            | 0,67            | 1,50            | 2,57                     | 2,45                     | 7,88                     | 1,21   | 1,31   | 1,52   | 2,11            |
| 072 | 13:48:33 | 0,50            | 0,65            | 0,77            | 2,60                     | 2,47                     | 7,89                     | 1,17   | 1,07   | 1,04   | 1,38            |
| 073 | 13:48:38 | 0,71            | 0,55            | 0,83            | 2,72                     | 2,50                     | 7,93                     | 0,78   | 1,38   | 1,21   | 1,50            |
| 074 | 13:48:43 | 0,35            | 0,35            | 0,53            | 2,72                     | 2,50                     | 7,93                     | 1,63   | 3,00   | 2,66   | 0,87            |
| 075 | 13:48:48 | 0,30            | 0,50            | 0,74            | 2,72                     | 2,51                     | 7,93                     | 2,37   | 1,09   | 2,42   | 1,11            |
| 076 | 13:48:53 | 0,35            | 0,34            | 0,54            | 2,72                     | 2,51                     | 7,93                     | 1,80   | 2,07   | 4,08   | 0,87            |
| 077 | 13:48:58 | 0,28            | 0,37            | 0,43            | 2,72                     | 2,52                     | 7,93                     | 2,69   | 2,36   | 3,35   | 0,79            |
| 078 | 13:49:03 | 0,23            | 0,37            | 0,43            | 2,72                     | 2,52                     | 7,93                     | 2,90   | 1,87   | 3,08   | 0,75            |
| 079 | 13:49:08 | 0,26            | 0,36            | 0,54            | 2,73                     | 2,53                     | 7,93                     | 6,72   | 4,49   | 5,78   | 0,83            |
| 080 | 13:49:13 | 0,42            | 0,39            | 0,49            | 2,74                     | 2,53                     | 7,93                     | 2,06   | 1,54   | 2,23   | 0,94            |
| 081 | 13:49:18 | 0,45            | 0,28            | 0,50            | 2,75                     | 2,54                     | 7,93                     | 0,53   | 2,05   | 2,86   | 0,89            |
| 082 | 13:49:23 | 0,25            | 0,30            | 0,49            | 2,75                     | 2,54                     | 7,93                     | 2,20   | 2,39   | 2,28   | 0,73            |
| 083 | 13:49:28 | 0,38            | 0,39            | 0,67            | 2,75                     | 2,54                     | 7,93                     | 2,42   | 1,67   | 2,32   | 1,02            |
| 084 | 13:49:33 | 0,21            | 0,42            | 0,55            | 2,75                     | 2,55                     | 7,94                     | 2,94   | 1,76   | 3,01   | 0,86            |
| 085 | 13:49:38 | 0,33            | 0,42            | 0,65            | 2,75                     | 2,56                     | 7,94                     | 2,23   | 1,61   | 2,31   | 0,99            |
| 086 | 13:49:43 | 0,33            | 0,44            | 0,94            | 2,76                     | 2,57                     | 7,94                     | 2,89   | 2,04   | 2,05   | 1,21            |
| 087 | 13:49:48 | 0,36            | 0,42            | 0,64            | 2,76                     | 2,57                     | 7,94                     | 1,75   | 1,77   | 1,18   | 1,00            |
| 088 | 13:49:53 | 0,30            | 0,50            | 0,66            | 2,76                     | 2,58                     | 7,95                     | 2,77   | 2,68   | 2,64   | 1,05            |
| 089 | 13:49:58 | 0,37            | 0,58            | 0,72            | 2,77                     | 2,60                     | 7,95                     | 4,87   | 2,64   | 4,67   | 1,21            |
| 090 | 13:50:03 | 0,54            | 0,68            | 1,27            | 2,79                     | 2,66                     | 8,08                     | 2,52   | 2,17   | 2,41   | 1,76            |
| 091 | 13:50:08 | 0,88            | 0,78            | 0,95            | 2,89                     | 2,75                     | 8,09                     | 1,10   | 2,43   | 2,61   | 1,91            |
| 092 | 13:50:13 | 0,57            | 0,64            | 0,95            | 2,93                     | 2,84                     | 8,10                     | 1,34   | 1,53   | 1,71   | 1,53            |
| 093 | 13:50:18 | 0,90            | 0,40            | 0,94            | 3,09                     | 2,85                     | 8,12                     | 2,10   | 1,92   | 2,00   | 1,67            |
| 094 | 13:50:23 | 0,40            | 0,63            | 0,47            | 3,09                     | 2,86                     | 8,12                     | 1,37   | 1,67   | 1,85   | 1,14            |
| 095 | 13:50:28 | 0,41            | 0,49            | 0,68            | 3,10                     | 2,88                     | 8,12                     | 1,46   | 1,27   | 2,81   | 1,12            |
| 096 | 13:50:33 | 0,55            | 0,53            | 0,81            | 3,11                     | 2,89                     | 8,13                     | 1,83   | 2,13   | 2,33   | 1,34            |
| 097 | 13:50:38 | 0,35            | 0,61            | 0,69            | 3,11                     | 2,93                     | 8,13                     | 1,54   | 1,39   | 1,97   | 1,21            |
| 098 | 13:50:43 | 0,47            | 0,42            | 0,47            | 3,11                     | 2,93                     | 8,13                     | 1,55   | 2,36   | 1,70   | 0,99            |
| 099 | 13:50:48 | 0,37            | 0,81            | 0,59            | 3,12                     | 2,98                     | 8,13                     | 1,72   | 0,62   | 1,94   | 1,38            |
| 100 | 13:50:53 | 0,38            | 0,54            | 0,55            | 3,12                     | 2,99                     | 8,13                     | 2,05   | 2,85   | 1,73   | 1,07            |
| 101 | 13:50:58 | 0,63            | 0,60            | 0,55            | 3,16                     | 3,00                     | 8,13                     | 1,99   | 0,79   | 2,80   | 1,34            |
| 102 | 13:51:03 | 0,42            | 0,56            | 0,80            | 3,16                     | 3,01                     | 8,14                     | 1,68   | 1,78   | 1,59   | 1,26            |
| 103 | 13:51:08 | 0,32            | 0,65            | 0,77            | 3,16                     | 3,03                     | 8,14                     | 2,10   | 3,22   | 2,90   | 1,28            |
| 104 | 13:51:13 | 0,30            | 0,52            | 0,68            | 3,16                     | 3,04                     | 8,14                     | 2,39   | 1,63   | 2,62   | 1,08            |
| 105 | 13:51:18 | 0,29            | 0,34            | 0,60            | 3,16                     | 3,04                     | 8,14                     | 1,09   | 3,04   | 1,83   | 0,87            |
| 106 | 13:51:23 | 0,41            | 0,44            | 0,89            | 3,17                     | 3,05                     | 8,15                     | 1,45   | 1,55   | 1,96   | 1,22            |
| 107 | 13:51:28 | 0,37            | 0,72            | 0,72            | 3,17                     | 3,07                     | 8,15                     | 1,62   | 1,77   | 2,71   | 1,34            |
| 108 | 13:51:33 | 0,46            | 0,62            | 1,01            | 3,17                     | 3,09                     | 8,15                     | 1,66   | 2,04   | 3,03   | 1,48            |
| 109 | 13:51:38 | 0,52            | 0,67            | 0,85            | 3,19                     | 3,12                     | 8,16                     | 1,22   | 1,25   | 1,57   | 1,46            |
| 110 | 13:51:43 | 0,51            | 0,34            | 2,44            | 3,20                     | 3,12                     | 8,42                     | 1,81   | 2,53   | 2,95   | 2,59            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 111 | 13:51:48 | 0,16            | 0,21            | 0,82            | 3,20                     | 3,12                     | 8,42                     | 0,67   | 0,90   | 0,72   | 0,90            |
| 112 | 13:51:53 | 0,66            | 0,52            | 0,79            | 3,22                     | 3,13                     | 8,43                     | 3,61   | 2,80   | 4,40   | 1,42            |
| 113 | 13:51:58 | 1,24            | 0,97            | 1,39            | 3,42                     | 3,24                     | 8,46                     | 1,60   | 1,80   | 1,75   | 2,60            |
| 114 | 13:52:03 | 0,80            | 0,82            | 1,22            | 3,45                     | 3,35                     | 8,48                     | 1,51   | 1,91   | 2,67   | 2,01            |
| 115 | 13:52:08 | 0,82            | 0,66            | 1,14            | 3,51                     | 3,37                     | 8,54                     | 0,94   | 1,67   | 0,60   | 1,87            |
| 116 | 13:52:13 | 0,15            | 0,14            | 0,07            | 3,51                     | 3,37                     | 8,54                     | 1,01   | 2,05   | 3,02   | 0,29            |
| 117 | 13:52:18 | 0,02            | 0,03            | 0,03            | 3,51                     | 3,37                     | 8,54                     | 0,55   | 0,49   | 2,68   | 0,06            |
| 118 | 13:52:23 | 0,64            | 0,41            | 0,73            | 3,53                     | 3,38                     | 8,55                     | 3,71   | 4,42   | 3,82   | 1,30            |
| 119 | 13:52:28 | 0,87            | 0,64            | 0,81            | 3,56                     | 3,39                     | 8,55                     | 1,08   | 1,65   | 4,35   | 1,72            |
| 120 | 13:52:33 | 0,87            | 0,51            | 1,01            | 3,60                     | 3,40                     | 8,56                     | 2,24   | 3,05   | 4,45   | 1,74            |
| 121 | 13:52:38 | 0,61            | 0,51            | 0,74            | 3,61                     | 3,41                     | 8,56                     | 1,85   | 1,95   | 4,10   | 1,33            |
| 122 | 13:52:43 | 0,72            | 0,72            | 0,99            | 3,62                     | 3,44                     | 8,57                     | 1,65   | 2,90   | 5,69   | 1,73            |
| 123 | 13:52:48 | 0,59            | 0,54            | 0,77            | 3,64                     | 3,46                     | 8,59                     | 2,36   | 2,29   | 3,87   | 1,36            |
| 124 | 13:52:53 | 0,60            | 0,97            | 0,80            | 3,66                     | 3,52                     | 8,59                     | 1,21   | 0,83   | 1,44   | 1,78            |
| 125 | 13:52:58 | 0,51            | 0,59            | 0,72            | 3,67                     | 3,53                     | 8,59                     | 2,74   | 2,04   | 3,92   | 1,30            |
| 126 | 13:53:03 | 0,64            | 0,51            | 0,85            | 3,68                     | 3,53                     | 8,60                     | 2,69   | 1,19   | 4,20   | 1,43            |
| 127 | 13:53:08 | 0,73            | 0,52            | 1,10            | 3,72                     | 3,54                     | 8,62                     | 1,01   | 1,55   | 1,56   | 1,67            |
| 128 | 13:53:13 | 0,36            | 0,56            | 0,72            | 3,72                     | 3,55                     | 8,62                     | 1,92   | 1,88   | 2,22   | 1,17            |
| 129 | 13:53:18 | 0,41            | 0,39            | 0,96            | 3,72                     | 3,55                     | 8,62                     | 1,82   | 2,54   | 2,24   | 1,24            |
| 130 | 13:53:23 | 0,27            | 0,46            | 1,30            | 3,72                     | 3,56                     | 8,68                     | 2,25   | 2,20   | 7,19   | 1,50            |
| 131 | 13:53:28 | 0,34            | 0,65            | 0,62            | 3,72                     | 3,57                     | 8,68                     | 1,48   | 2,38   | 2,15   | 1,20            |
| 132 | 13:53:33 | 0,28            | 0,64            | 0,59            | 3,72                     | 3,57                     | 8,68                     | 1,12   | 1,90   | 1,80   | 1,14            |
| 133 | 13:53:38 | 0,26            | 0,40            | 0,64            | 3,72                     | 3,57                     | 8,68                     | 2,39   | 1,81   | 2,82   | 0,92            |
| 134 | 13:53:43 | 0,31            | 0,40            | 0,71            | 3,72                     | 3,57                     | 8,68                     | 2,40   | 2,50   | 2,95   | 1,01            |
| 135 | 13:53:48 | 0,28            | 0,36            | 0,64            | 3,72                     | 3,58                     | 8,68                     | 2,99   | 2,28   | 3,08   | 0,91            |
| 136 | 13:53:53 | 0,28            | 0,36            | 0,68            | 3,72                     | 3,58                     | 8,69                     | 1,90   | 3,20   | 2,53   | 0,94            |
| 137 | 13:53:58 | 0,39            | 0,47            | 1,04            | 3,73                     | 3,58                     | 8,69                     | 2,11   | 2,39   | 2,14   | 1,35            |
| 138 | 13:54:03 | 0,33            | 0,63            | 0,74            | 3,73                     | 3,61                     | 8,70                     | 1,83   | 1,50   | 1,79   | 1,24            |
| 139 | 13:54:08 | 0,58            | 0,67            | 3,45            | 3,74                     | 3,63                     | 9,49                     | 2,54   | 1,80   | 2,17   | 3,67            |
| 140 | 13:54:13 | 0,50            | 0,56            | 1,66            | 3,75                     | 3,64                     | 9,61                     | 0,87   | 2,03   | 1,79   | 1,97            |
| 141 | 13:54:18 | 0,33            | 0,69            | 0,90            | 3,75                     | 3,65                     | 9,61                     | 1,98   | 1,64   | 2,57   | 1,40            |
| 142 | 13:54:23 | 0,25            | 0,36            | 0,49            | 3,75                     | 3,65                     | 9,61                     | 2,10   | 2,75   | 3,16   | 0,79            |
| 143 | 13:54:28 | 0,27            | 0,37            | 0,56            | 3,75                     | 3,65                     | 9,61                     | 2,43   | 1,82   | 4,42   | 0,85            |
| 144 | 13:54:33 | 0,21            | 0,31            | 0,50            | 3,75                     | 3,65                     | 9,61                     | 2,19   | 2,41   | 3,00   | 0,72            |
| 145 | 13:54:38 | 0,19            | 0,24            | 0,47            | 3,75                     | 3,65                     | 9,61                     | 1,88   | 1,74   | 2,45   | 0,64            |
| 146 | 13:54:43 | 0,16            | 0,36            | 0,50            | 3,75                     | 3,65                     | 9,61                     | 2,87   | 3,11   | 3,01   | 0,75            |
| 147 | 13:54:48 | 0,15            | 0,33            | 0,53            | 3,75                     | 3,65                     | 9,61                     | 2,28   | 2,14   | 2,04   | 0,73            |
| 148 | 13:54:53 | 0,20            | 0,61            | 0,56            | 3,75                     | 3,66                     | 9,61                     | 2,13   | 1,26   | 2,38   | 1,05            |
| 149 | 13:54:58 | 0,19            | 0,34            | 0,48            | 3,75                     | 3,66                     | 9,61                     | 1,53   | 1,56   | 1,80   | 0,73            |
| 150 | 13:55:03 | 0,17            | 0,36            | 0,45            | 3,75                     | 3,66                     | 9,61                     | 3,09   | 3,38   | 2,87   | 0,72            |
| 151 | 13:55:08 | 0,17            | 0,27            | 0,46            | 3,75                     | 3,66                     | 9,61                     | 2,19   | 2,26   | 2,44   | 0,64            |
| 152 | 13:55:13 | 0,25            | 0,38            | 0,53            | 3,75                     | 3,67                     | 9,61                     | 2,74   | 2,13   | 3,17   | 0,83            |
| 153 | 13:55:18 | 0,26            | 0,32            | 0,73            | 3,75                     | 3,67                     | 9,62                     | 1,61   | 4,01   | 2,21   | 0,93            |
| 154 | 13:55:23 | 0,29            | 0,48            | 0,79            | 3,75                     | 3,67                     | 9,62                     | 2,01   | 1,44   | 2,52   | 1,11            |
| 155 | 13:55:28 | 0,24            | 0,35            | 0,99            | 3,75                     | 3,67                     | 9,62                     | 1,63   | 3,39   | 1,14   | 1,16            |
| 156 | 13:55:33 | 0,22            | 0,32            | 0,64            | 3,75                     | 3,67                     | 9,62                     | 2,81   | 2,13   | 2,54   | 0,84            |
| 157 | 13:55:38 | 0,41            | 0,35            | 0,74            | 3,75                     | 3,67                     | 9,62                     | 1,77   | 1,55   | 1,27   | 1,05            |
| 158 | 13:55:43 | 0,56            | 0,36            | 1,64            | 3,76                     | 3,67                     | 9,67                     | 1,77   | 3,08   | 2,14   | 1,88            |
| 159 | 13:55:48 | 0,46            | 0,62            | 0,85            | 3,76                     | 3,68                     | 9,67                     | 1,88   | 2,92   | 2,30   | 1,37            |
| 160 | 13:55:53 | 0,33            | 0,83            | 0,73            | 3,76                     | 3,70                     | 9,67                     | 2,49   | 1,06   | 3,69   | 1,45            |
| 161 | 13:55:58 | 0,44            | 0,57            | 1,04            | 3,77                     | 3,70                     | 9,68                     | 1,03   | 2,07   | 1,64   | 1,45            |
| 162 | 13:56:03 | 0,36            | 0,58            | 0,78            | 3,77                     | 3,71                     | 9,68                     | 3,02   | 1,27   | 3,28   | 1,23            |
| 163 | 13:56:08 | 0,35            | 0,40            | 0,65            | 3,77                     | 3,71                     | 9,68                     | 3,92   | 2,13   | 5,69   | 0,99            |
| 164 | 13:56:13 | 0,39            | 0,54            | 0,98            | 3,77                     | 3,72                     | 9,68                     | 1,32   | 1,94   | 1,51   | 1,35            |
| 165 | 13:56:18 | 0,38            | 0,38            | 0,70            | 3,77                     | 3,72                     | 9,69                     | 2,63   | 2,99   | 2,81   | 1,03            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 166 | 13:56:23 | 0,33            | 0,51            | 0,85            | 3,77                     | 3,73                     | 9,69                     | 1,35   | 2,02   | 1,70   | 1,21            |
| 167 | 13:56:28 | 0,33            | 0,43            | 0,67            | 3,78                     | 3,73                     | 9,69                     | 1,80   | 2,95   | 2,25   | 1,01            |
| 168 | 13:56:33 | 0,35            | 0,60            | 0,67            | 3,78                     | 3,73                     | 9,69                     | 2,38   | 1,68   | 3,65   | 1,18            |
| 169 | 13:56:38 | 0,34            | 0,43            | 0,88            | 3,78                     | 3,74                     | 9,69                     | 1,92   | 1,72   | 1,72   | 1,16            |
| 170 | 13:56:43 | 0,59            | 0,34            | 1,07            | 3,78                     | 3,74                     | 9,71                     | 1,85   | 1,57   | 2,03   | 1,43            |
| 171 | 13:56:48 | 0,54            | 0,48            | 0,95            | 3,79                     | 3,74                     | 9,71                     | 1,36   | 2,87   | 2,45   | 1,38            |
| 172 | 13:56:53 | 0,59            | 0,51            | 1,66            | 3,80                     | 3,75                     | 9,81                     | 1,39   | 1,04   | 2,32   | 1,99            |
| 173 | 13:56:58 | 0,67            | 0,53            | 1,40            | 3,81                     | 3,75                     | 9,87                     | 1,21   | 1,81   | 1,15   | 1,84            |
| 174 | 13:57:03 | 0,44            | 0,45            | 1,52            | 3,82                     | 3,76                     | 9,89                     | 1,09   | 2,05   | 1,86   | 1,76            |
| 175 | 13:57:08 | 0,37            | 0,41            | 1,67            | 3,82                     | 3,76                     | 9,91                     | 1,58   | 1,49   | 1,38   | 1,84            |
| 176 | 13:57:13 | 0,24            | 0,37            | 0,72            | 3,82                     | 3,76                     | 9,92                     | 2,69   | 2,51   | 3,35   | 0,95            |
| 177 | 13:57:18 | 0,23            | 0,39            | 0,67            | 3,82                     | 3,76                     | 9,92                     | 2,91   | 1,40   | 2,68   | 0,93            |
| 178 | 13:57:23 | 0,25            | 0,38            | 0,75            | 3,82                     | 3,77                     | 9,92                     | 1,84   | 1,38   | 2,83   | 0,98            |
| 179 | 13:57:28 | 0,18            | 0,32            | 0,77            | 3,82                     | 3,77                     | 9,92                     | 2,74   | 2,41   | 4,20   | 0,92            |
| 180 | 13:57:33 | 0,22            | 0,32            | 1,01            | 3,82                     | 3,77                     | 9,92                     | 1,99   | 2,31   | 1,32   | 1,15            |
| 181 | 13:57:38 | 0,20            | 0,29            | 0,81            | 3,82                     | 3,77                     | 9,93                     | 1,51   | 2,43   | 1,65   | 0,95            |
| 182 | 13:57:44 | 0,25            | 0,41            | 0,95            | 3,82                     | 3,77                     | 9,93                     | 1,89   | 0,90   | 1,95   | 1,16            |
| 183 | 13:57:49 | 0,22            | 0,38            | 0,63            | 3,82                     | 3,77                     | 9,93                     | 2,30   | 1,35   | 2,09   | 0,87            |
| 184 | 13:57:54 | 0,28            | 0,31            | 1,16            | 3,82                     | 3,77                     | 9,94                     | 3,61   | 2,09   | 2,27   | 1,30            |
| 185 | 13:57:59 | 0,22            | 0,39            | 0,84            | 3,82                     | 3,77                     | 9,94                     | 1,64   | 1,99   | 1,90   | 1,04            |
| 186 | 13:58:04 | 0,77            | 0,42            | 1,50            | 3,86                     | 3,77                     | 9,97                     | 1,92   | 1,29   | 2,01   | 1,94            |
| 187 | 13:58:09 | 1,01            | 0,22            | 2,12            | 3,92                     | 3,77                     | 10,08                    | 0,25   | 0,54   | 0,30   | 2,56            |
| 188 | 13:58:14 | 0,63            | 0,14            | 1,17            | 3,93                     | 3,77                     | 10,09                    | 2,98   | 2,57   | 3,89   | 1,48            |
| 189 | 13:58:19 | 0,23            | 0,11            | 0,25            | 3,93                     | 3,78                     | 10,09                    | 1,25   | 1,06   | 1,00   | 0,43            |
| 190 | 13:58:24 | 0,06            | 0,05            | 0,09            | 3,93                     | 3,78                     | 10,09                    | 0,77   | 1,85   | 3,25   | 0,14            |
| 191 | 13:58:29 | 0,04            | 0,04            | 0,10            | 3,93                     | 3,78                     | 10,09                    | 1,30   | 2,42   | 2,07   | 0,13            |
| 192 | 13:58:34 | 0,01            | 0,04            | 0,08            | 3,93                     | 3,78                     | 10,09                    | 2,25   | 2,50   | 2,16   | 0,10            |
| 193 | 13:58:39 | 0,04            | 0,05            | 0,11            | 3,93                     | 3,78                     | 10,09                    | 3,69   | 2,07   | 1,04   | 0,14            |
| 194 | 13:58:44 | 0,09            | 0,04            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 0,16   | 0,45   | 2,18   | 0,14            |
| 195 | 13:58:49 | 0,01            | 0,01            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 5,87   | 5,65   | 6,10   | 0,03            |
| 196 | 13:58:54 | 0,04            | 0,03            | 0,13            | 3,93                     | 3,78                     | 10,09                    | 0,50   | 0,69   | 0,94   | 0,15            |
| 197 | 13:58:59 | 0,03            | 0,05            | 0,13            | 3,93                     | 3,78                     | 10,09                    | 2,69   | 2,68   | 1,24   | 0,15            |
| 198 | 13:59:04 | 0,05            | 0,07            | 0,07            | 3,93                     | 3,78                     | 10,09                    | 0,32   | 0,42   | 0,83   | 0,14            |
| 199 | 13:59:09 | 0,03            | 0,02            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 3,02   | 4,83   | 5,53   | 0,06            |
| 200 | 13:59:14 | 0,03            | 0,04            | 0,04            | 3,93                     | 3,78                     | 10,09                    | 0,88   | 0,81   | 1,53   | 0,07            |
| 201 | 13:59:19 | 0,02            | 0,02            | 0,05            | 3,93                     | 3,78                     | 10,09                    | 3,38   | 2,50   | 3,00   | 0,07            |
| 202 | 13:59:24 | 0,01            | 0,02            | 0,02            | 3,93                     | 3,78                     | 10,09                    | 1,18   | 1,08   | 3,55   | 0,04            |
| 203 | 13:59:29 | 0,01            | 0,01            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 5,46   | 5,12   | 2,84   | 0,04            |
| 204 | 13:59:34 | 0,04            | 0,03            | 0,05            | 3,93                     | 3,78                     | 10,09                    | 1,04   | 1,44   | 1,58   | 0,09            |
| 205 | 13:59:39 | 0,05            | 0,05            | 0,06            | 3,93                     | 3,78                     | 10,09                    | 1,06   | 1,78   | 2,86   | 0,11            |
| 206 | 13:59:44 | 0,02            | 0,02            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 0,93   | 0,97   | 2,56   | 0,05            |
| 207 | 13:59:49 | 0,01            | 0,02            | 0,04            | 3,93                     | 3,78                     | 10,09                    | 2,01   | 1,15   | 1,73   | 0,05            |
| 208 | 13:59:54 | 0,01            | 0,01            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 2,38   | 4,30   | 3,31   | 0,04            |
| 209 | 13:59:59 | 0,07            | 0,03            | 0,17            | 3,93                     | 3,78                     | 10,09                    | 4,28   | 6,51   | 5,27   | 0,20            |
| 210 | 14:00:04 | 0,11            | 0,09            | 0,31            | 3,93                     | 3,78                     | 10,09                    | 0,74   | 2,86   | 0,72   | 0,36            |
| 211 | 14:00:09 | 0,03            | 0,04            | 0,05            | 3,93                     | 3,78                     | 10,09                    | 0,60   | 0,51   | 1,86   | 0,09            |
| 212 | 14:00:14 | 0,01            | 0,01            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 2,32   | 2,25   | 2,66   | 0,03            |
| 213 | 14:00:19 | 0,01            | 0,01            | 0,03            | 3,93                     | 3,78                     | 10,09                    | 1,64   | 2,10   | 2,39   | 0,03            |
| 214 | 14:00:24 | 0,06            | 0,20            | 0,12            | 3,93                     | 3,78                     | 10,09                    | 3,86   | 1,10   | 2,45   | 0,31            |
| 215 | 14:00:29 | 0,87            | 0,52            | 1,33            | 3,97                     | 3,78                     | 10,12                    | 1,96   | 2,48   | 2,11   | 1,94            |
| 216 | 14:00:34 | 0,37            | 0,55            | 0,94            | 3,97                     | 3,79                     | 10,12                    | 2,42   | 1,90   | 2,79   | 1,32            |
| 217 | 14:00:39 | 0,35            | 0,31            | 0,94            | 3,97                     | 3,79                     | 10,12                    | 2,58   | 1,66   | 2,18   | 1,14            |
| 218 | 14:00:44 | 0,38            | 0,47            | 0,92            | 3,97                     | 3,79                     | 10,13                    | 2,60   | 2,74   | 2,03   | 1,26            |
| 219 | 14:00:49 | 0,35            | 0,46            | 0,82            | 3,98                     | 3,80                     | 10,13                    | 2,60   | 2,15   | 3,34   | 1,15            |
| 220 | 14:00:54 | 0,46            | 0,53            | 1,06            | 3,98                     | 3,80                     | 10,14                    | 0,95   | 1,47   | 1,97   | 1,44            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 221 | 14:00:59 | 0,33            | 0,46            | 0,70            | 3,98                     | 3,81                     | 10,14                    | 3,20   | 1,93   | 3,83   | 1,06            |
| 222 | 14:01:04 | 0,32            | 0,36            | 0,76            | 3,98                     | 3,81                     | 10,14                    | 1,88   | 1,42   | 2,08   | 1,02            |
| 223 | 14:01:09 | 0,32            | 0,38            | 0,82            | 3,98                     | 3,81                     | 10,14                    | 2,29   | 2,01   | 4,68   | 1,08            |
| 224 | 14:01:14 | 0,49            | 0,60            | 1,68            | 3,99                     | 3,81                     | 10,18                    | 2,46   | 2,41   | 1,62   | 2,00            |
| 225 | 14:01:19 | 0,64            | 0,33            | 1,42            | 4,00                     | 3,81                     | 10,20                    | 0,86   | 1,22   | 2,02   | 1,75            |
| 226 | 14:01:24 | 0,76            | 0,12            | 1,75            | 4,05                     | 3,81                     | 10,32                    | 4,13   | 3,66   | 7,35   | 2,05            |
| 227 | 14:01:29 | 0,56            | 0,07            | 1,03            | 4,06                     | 3,81                     | 10,33                    | 0,48   | 0,96   | 0,20   | 1,29            |
| 228 | 14:01:35 | 0,08            | 0,04            | 0,06            | 4,06                     | 3,81                     | 10,33                    | 1,15   | 2,74   | 2,10   | 0,14            |
| 229 | 14:01:40 | 0,35            | 0,15            | 0,21            | 4,06                     | 3,81                     | 10,33                    | 3,77   | 2,39   | 5,34   | 0,57            |
| 230 | 14:01:45 | 0,66            | 0,43            | 1,95            | 4,07                     | 3,82                     | 10,39                    | 1,54   | 2,14   | 2,51   | 2,24            |
| 231 | 14:01:50 | 0,44            | 0,39            | 1,71            | 4,07                     | 3,82                     | 10,43                    | 1,66   | 1,61   | 1,26   | 1,90            |
| 232 | 14:01:56 | 0,27            | 0,28            | 1,13            | 4,07                     | 3,82                     | 10,43                    | 2,22   | 2,53   | 2,50   | 1,26            |
| 233 | 14:02:01 | 0,36            | 0,29            | 1,96            | 4,08                     | 3,82                     | 10,46                    | 2,25   | 2,05   | 2,02   | 2,06            |
| 234 | 14:02:06 | 0,29            | 0,29            | 1,63            | 4,08                     | 3,82                     | 10,47                    | 1,47   | 1,81   | 1,32   | 1,73            |
| 235 | 14:02:11 | 0,16            | 0,24            | 0,52            | 4,08                     | 3,82                     | 10,47                    | 2,21   | 1,98   | 3,41   | 0,66            |
| 236 | 14:02:16 | 0,18            | 0,25            | 0,51            | 4,08                     | 3,82                     | 10,47                    | 2,65   | 2,41   | 2,20   | 0,68            |
| 237 | 14:02:21 | 0,17            | 0,37            | 0,95            | 4,08                     | 3,82                     | 10,48                    | 2,27   | 2,28   | 1,93   | 1,11            |
| 238 | 14:02:26 | 0,23            | 0,37            | 0,69            | 4,08                     | 3,82                     | 10,48                    | 1,69   | 1,11   | 2,19   | 0,92            |
| 239 | 14:02:31 | 0,22            | 0,41            | 1,03            | 4,08                     | 3,82                     | 10,48                    | 2,88   | 1,83   | 2,69   | 1,21            |
| 240 | 14:02:36 | 0,31            | 0,51            | 1,23            | 4,08                     | 3,83                     | 10,49                    | 2,09   | 2,74   | 2,35   | 1,49            |
| 241 | 14:02:41 | 0,31            | 0,47            | 0,97            | 4,08                     | 3,83                     | 10,49                    | 2,13   | 1,97   | 3,12   | 1,25            |
| 242 | 14:02:46 | 0,33            | 0,47            | 0,84            | 4,08                     | 3,83                     | 10,49                    | 1,71   | 2,25   | 2,43   | 1,16            |
| 243 | 14:02:51 | 0,88            | 0,66            | 0,98            | 4,11                     | 3,84                     | 10,49                    | 1,22   | 2,12   | 3,33   | 1,83            |
| 244 | 14:02:56 | 0,72            | 1,10            | 1,16            | 4,12                     | 3,91                     | 10,50                    | 1,30   | 1,36   | 1,88   | 2,17            |
| 245 | 14:03:01 | 0,30            | 0,67            | 0,92            | 4,12                     | 3,93                     | 10,51                    | 1,54   | 1,85   | 1,53   | 1,38            |
| 246 | 14:03:06 | 0,37            | 0,58            | 0,79            | 4,12                     | 3,93                     | 10,51                    | 2,71   | 2,29   | 2,88   | 1,25            |
| 247 | 14:03:11 | 0,38            | 0,85            | 0,97            | 4,12                     | 3,98                     | 10,51                    | 1,70   | 2,11   | 3,68   | 1,62            |
| 248 | 14:03:16 | 0,51            | 0,54            | 1,41            | 4,13                     | 3,98                     | 10,53                    | 3,57   | 2,11   | 2,35   | 1,75            |
| 249 | 14:03:21 | 0,54            | 0,41            | 1,02            | 4,13                     | 3,98                     | 10,54                    | 1,65   | 1,48   | 1,64   | 1,39            |
| 250 | 14:03:26 | 0,37            | 0,33            | 0,65            | 4,13                     | 3,98                     | 10,54                    | 1,13   | 0,80   | 1,62   | 0,95            |
| 251 | 14:03:31 | 0,73            | 0,28            | 1,03            | 4,16                     | 3,98                     | 10,55                    | 1,64   | 2,42   | 1,68   | 1,50            |
| 252 | 14:03:36 | 0,25            | 0,50            | 0,54            | 4,16                     | 3,99                     | 10,55                    | 1,87   | 2,84   | 2,59   | 0,95            |
| 253 | 14:03:41 | 0,40            | 0,25            | 0,58            | 4,16                     | 3,99                     | 10,55                    | 1,37   | 2,43   | 2,78   | 0,88            |
| 254 | 14:03:46 | 0,34            | 0,38            | 0,77            | 4,16                     | 3,99                     | 10,56                    | 2,00   | 1,71   | 1,88   | 1,04            |
| 255 | 14:03:51 | 0,21            | 0,41            | 0,54            | 4,16                     | 3,99                     | 10,56                    | 3,14   | 1,81   | 2,84   | 0,84            |
| 256 | 14:03:56 | 0,26            | 0,33            | 0,65            | 4,16                     | 3,99                     | 10,56                    | 1,80   | 2,65   | 1,86   | 0,88            |
| 257 | 14:04:01 | 0,22            | 0,32            | 0,62            | 4,16                     | 3,99                     | 10,56                    | 1,76   | 2,45   | 1,75   | 0,83            |
| 258 | 14:04:06 | 0,19            | 0,46            | 0,49            | 4,16                     | 3,99                     | 10,56                    | 4,10   | 1,77   | 1,27   | 0,85            |
| 259 | 14:04:11 | 0,30            | 0,38            | 0,59            | 4,16                     | 4,00                     | 10,56                    | 1,30   | 1,28   | 2,19   | 0,89            |
| 260 | 14:04:16 | 0,73            | 0,42            | 0,98            | 4,18                     | 4,00                     | 10,56                    | 1,86   | 2,49   | 3,15   | 1,53            |
| 261 | 14:04:21 | 0,45            | 0,62            | 0,82            | 4,18                     | 4,00                     | 10,56                    | 1,75   | 0,75   | 1,65   | 1,35            |
| 262 | 14:04:26 | 0,31            | 0,55            | 0,80            | 4,18                     | 4,01                     | 10,56                    | 2,62   | 2,63   | 2,80   | 1,20            |
| 263 | 14:04:31 | 0,34            | 0,42            | 0,86            | 4,19                     | 4,01                     | 10,57                    | 1,36   | 1,24   | 1,32   | 1,14            |
| 264 | 14:04:36 | 0,29            | 0,38            | 0,69            | 4,19                     | 4,01                     | 10,57                    | 1,36   | 3,32   | 1,75   | 0,96            |
| 265 | 14:04:41 | 0,30            | 0,38            | 0,69            | 4,19                     | 4,01                     | 10,57                    | 1,80   | 1,48   | 1,76   | 0,97            |
| 266 | 14:04:46 | 0,64            | 0,48            | 0,72            | 4,19                     | 4,02                     | 10,57                    | 2,08   | 1,32   | 1,49   | 1,33            |
| 267 | 14:04:51 | 0,40            | 0,40            | 0,51            | 4,19                     | 4,02                     | 10,57                    | 1,36   | 1,81   | 2,52   | 0,95            |
| 268 | 14:04:56 | 0,23            | 0,30            | 0,64            | 4,19                     | 4,02                     | 10,57                    | 1,75   | 1,72   | 2,11   | 0,83            |
| 269 | 14:05:01 | 0,21            | 0,30            | 0,60            | 4,19                     | 4,02                     | 10,57                    | 1,72   | 2,08   | 2,53   | 0,79            |
| 270 | 14:05:06 | 0,22            | 0,30            | 0,58            | 4,19                     | 4,02                     | 10,57                    | 2,39   | 1,77   | 2,21   | 0,78            |
| 271 | 14:05:11 | 0,25            | 0,31            | 0,68            | 4,19                     | 4,02                     | 10,57                    | 1,45   | 2,05   | 2,21   | 0,88            |
| 272 | 14:05:16 | 0,29            | 0,34            | 0,69            | 4,19                     | 4,02                     | 10,57                    | 1,67   | 2,04   | 1,49   | 0,93            |
| 273 | 14:05:21 | 0,39            | 0,43            | 1,00            | 4,20                     | 4,02                     | 10,57                    | 1,38   | 2,99   | 1,57   | 1,28            |
| 274 | 14:05:26 | 0,42            | 0,52            | 0,63            | 4,20                     | 4,03                     | 10,59                    | 6,20   | 1,89   | 11,35  | 1,13            |
| 275 | 14:05:31 | 0,40            | 0,54            | 0,75            | 4,20                     | 4,03                     | 10,59                    | 1,96   | 1,95   | 3,23   | 1,20            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 276 | 14:05:36 | 0,35            | 0,32            | 0,79            | 4,20                     | 4,03                     | 10,59                    | 2,82   | 2,28   | 3,24   | 1,03            |
| 277 | 14:05:41 | 0,27            | 0,39            | 0,71            | 4,20                     | 4,03                     | 10,59                    | 1,62   | 2,30   | 2,10   | 0,98            |
| 278 | 14:05:46 | 0,31            | 0,41            | 0,71            | 4,20                     | 4,04                     | 10,59                    | 2,08   | 3,98   | 3,43   | 1,01            |
| 279 | 14:05:51 | 0,43            | 0,46            | 0,82            | 4,21                     | 4,04                     | 10,59                    | 2,71   | 2,83   | 2,96   | 1,21            |
| 280 | 14:05:56 | 0,36            | 0,32            | 0,54            | 4,21                     | 4,04                     | 10,59                    | 4,38   | 2,62   | 2,89   | 0,86            |
| 281 | 14:06:01 | 0,26            | 0,40            | 0,52            | 4,21                     | 4,04                     | 10,59                    | 2,03   | 2,03   | 2,04   | 0,85            |
| 282 | 14:06:06 | 0,22            | 0,34            | 0,46            | 4,21                     | 4,04                     | 10,59                    | 3,18   | 2,56   | 2,58   | 0,73            |
| 283 | 14:06:11 | 0,30            | 0,39            | 0,70            | 4,21                     | 4,04                     | 10,59                    | 1,85   | 1,86   | 1,68   | 0,98            |
| 284 | 14:06:16 | 0,23            | 0,39            | 0,49            | 4,21                     | 4,05                     | 10,59                    | 1,75   | 1,97   | 2,13   | 0,80            |
| 285 | 14:06:21 | 0,33            | 0,39            | 0,60            | 4,21                     | 4,05                     | 10,60                    | 3,60   | 1,77   | 2,97   | 0,93            |
| 286 | 14:06:26 | 0,26            | 0,33            | 0,69            | 4,21                     | 4,05                     | 10,60                    | 1,77   | 1,87   | 2,04   | 0,90            |
| 287 | 14:06:31 | 0,65            | 0,34            | 0,53            | 4,22                     | 4,05                     | 10,60                    | 2,81   | 1,72   | 1,32   | 1,16            |
| 288 | 14:06:36 | 0,31            | 0,38            | 0,53            | 4,23                     | 4,05                     | 10,60                    | 0,88   | 0,98   | 1,55   | 0,87            |
| 289 | 14:06:41 | 0,42            | 0,58            | 0,70            | 4,23                     | 4,06                     | 10,60                    | 2,59   | 1,92   | 1,08   | 1,22            |
| 290 | 14:06:46 | 0,47            | 0,39            | 0,51            | 4,23                     | 4,06                     | 10,60                    | 1,23   | 2,07   | 1,75   | 1,00            |
| 291 | 14:06:51 | 0,24            | 0,47            | 0,54            | 4,23                     | 4,06                     | 10,60                    | 1,82   | 1,02   | 2,11   | 0,91            |
| 292 | 14:06:56 | 0,25            | 0,33            | 0,61            | 4,23                     | 4,06                     | 10,60                    | 1,77   | 1,54   | 2,05   | 0,85            |
| 293 | 14:07:01 | 0,63            | 0,32            | 0,63            | 4,24                     | 4,06                     | 10,60                    | 0,57   | 2,17   | 1,70   | 1,18            |
| 294 | 14:07:06 | 0,35            | 0,44            | 0,82            | 4,24                     | 4,06                     | 10,60                    | 2,60   | 0,96   | 1,40   | 1,13            |
| 295 | 14:07:11 | 0,32            | 0,42            | 0,27            | 4,24                     | 4,07                     | 10,60                    | 1,41   | 0,35   | 0,84   | 0,79            |
| 296 | 14:07:16 | 0,64            | 0,39            | 0,82            | 4,25                     | 4,07                     | 10,61                    | 0,91   | 4,18   | 2,33   | 1,33            |
| 297 | 14:07:21 | 0,23            | 0,33            | 0,51            | 4,25                     | 4,07                     | 10,61                    | 1,56   | 1,80   | 2,55   | 0,75            |
| 298 | 14:07:26 | 0,77            | 0,35            | 0,89            | 4,26                     | 4,07                     | 10,61                    | 2,24   | 2,13   | 3,39   | 1,49            |
| 299 | 14:07:31 | 0,46            | 0,35            | 0,78            | 4,26                     | 4,08                     | 10,61                    | 2,60   | 2,19   | 2,62   | 1,12            |
| 300 | 14:07:36 | 0,56            | 0,40            | 0,70            | 4,27                     | 4,08                     | 10,61                    | 1,32   | 1,93   | 1,41   | 1,19            |
| 301 | 14:07:41 | 0,33            | 0,25            | 0,59            | 4,27                     | 4,08                     | 10,61                    | 1,49   | 1,23   | 3,09   | 0,83            |
| 302 | 14:07:46 | 0,22            | 0,31            | 0,45            | 4,27                     | 4,08                     | 10,61                    | 1,35   | 1,54   | 1,54   | 0,70            |
| 303 | 14:07:51 | 0,66            | 0,38            | 0,59            | 4,29                     | 4,08                     | 10,62                    | 0,71   | 1,36   | 2,00   | 1,21            |
| 304 | 14:07:56 | 0,43            | 0,59            | 0,83            | 4,29                     | 4,08                     | 10,62                    | 2,65   | 2,60   | 2,58   | 1,32            |
| 305 | 14:08:01 | 0,54            | 0,46            | 0,62            | 4,30                     | 4,09                     | 10,62                    | 0,68   | 1,29   | 1,17   | 1,17            |
| 306 | 14:08:06 | 0,52            | 0,40            | 0,90            | 4,30                     | 4,09                     | 10,62                    | 2,21   | 2,50   | 3,05   | 1,28            |
| 307 | 14:08:11 | 0,57            | 0,42            | 1,00            | 4,30                     | 4,09                     | 10,63                    | 3,72   | 1,75   | 5,02   | 1,41            |
| 308 | 14:08:16 | 0,75            | 0,28            | 0,86            | 4,32                     | 4,09                     | 10,63                    | 1,83   | 2,19   | 3,92   | 1,41            |
| 309 | 14:08:21 | 0,48            | 0,77            | 1,14            | 4,32                     | 4,11                     | 10,63                    | 1,35   | 1,78   | 1,12   | 1,70            |
| 310 | 14:08:26 | 0,27            | 0,74            | 0,65            | 4,32                     | 4,12                     | 10,63                    | 2,32   | 1,31   | 3,03   | 1,29            |
| 311 | 14:08:31 | 0,63            | 0,48            | 0,57            | 4,33                     | 4,13                     | 10,63                    | 1,10   | 2,24   | 2,71   | 1,25            |
| 312 | 14:08:36 | 0,70            | 0,54            | 0,97            | 4,34                     | 4,13                     | 10,64                    | 1,76   | 2,35   | 1,60   | 1,57            |
| 313 | 14:08:41 | 0,55            | 0,53            | 0,59            | 4,34                     | 4,14                     | 10,64                    | 1,47   | 1,34   | 2,19   | 1,22            |
| 314 | 14:08:46 | 0,24            | 0,26            | 0,55            | 4,34                     | 4,14                     | 10,65                    | 5,50   | 2,46   | 13,41  | 0,74            |
| 315 | 14:08:51 | 0,50            | 0,55            | 0,60            | 4,35                     | 4,15                     | 10,65                    | 0,96   | 1,32   | 2,36   | 1,20            |
| 316 | 14:08:56 | 0,54            | 0,55            | 0,56            | 4,36                     | 4,15                     | 10,65                    | 4,96   | 1,23   | 2,23   | 1,21            |
| 317 | 14:09:01 | 0,32            | 0,34            | 0,54            | 4,36                     | 4,15                     | 10,65                    | 2,23   | 1,78   | 2,57   | 0,86            |
| 318 | 14:09:06 | 0,28            | 0,54            | 0,55            | 4,36                     | 4,16                     | 10,65                    | 1,95   | 1,85   | 1,80   | 1,02            |
| 319 | 14:09:11 | 0,22            | 0,29            | 0,43            | 4,36                     | 4,16                     | 10,65                    | 1,01   | 1,61   | 2,34   | 0,67            |
| 320 | 14:09:16 | 0,16            | 0,26            | 0,37            | 4,36                     | 4,16                     | 10,65                    | 3,33   | 2,60   | 3,77   | 0,57            |
| 321 | 14:09:21 | 0,21            | 0,48            | 0,48            | 4,36                     | 4,16                     | 10,65                    | 3,33   | 1,00   | 2,31   | 0,88            |
| 322 | 14:09:26 | 0,26            | 0,33            | 0,53            | 4,36                     | 4,16                     | 10,65                    | 1,42   | 2,41   | 1,73   | 0,80            |
| 323 | 14:09:31 | 0,68            | 0,46            | 0,66            | 4,38                     | 4,16                     | 10,65                    | 0,97   | 1,89   | 3,29   | 1,33            |
| 324 | 14:09:36 | 0,37            | 0,51            | 0,77            | 4,38                     | 4,17                     | 10,66                    | 1,98   | 2,52   | 2,46   | 1,17            |
| 325 | 14:09:41 | 0,29            | 0,45            | 0,64            | 4,38                     | 4,17                     | 10,66                    | 1,30   | 2,51   | 2,19   | 0,99            |
| 326 | 14:09:46 | 0,90            | 0,38            | 0,88            | 4,41                     | 4,17                     | 10,66                    | 2,66   | 1,87   | 0,84   | 1,63            |
| 327 | 14:09:51 | 0,56            | 0,27            | 0,59            | 4,42                     | 4,17                     | 10,67                    | 0,71   | 0,62   | 0,27   | 1,05            |
| 328 | 14:09:56 | 0,70            | 0,20            | 0,73            | 4,43                     | 4,17                     | 10,67                    | 1,99   | 2,79   | 2,21   | 1,25            |
| 329 | 14:10:01 | 0,37            | 0,68            | 0,55            | 4,43                     | 4,20                     | 10,67                    | 1,52   | 2,55   | 2,50   | 1,22            |
| 330 | 14:10:06 | 0,65            | 0,56            | 0,81            | 4,43                     | 4,20                     | 10,67                    | 0,62   | 1,22   | 1,75   | 1,45            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 331 | 14:10:11 | 0,26            | 0,40            | 0,48            | 4,43                     | 4,20                     | 10,67                    | 1,97   | 2,57   | 2,29   | 0,83            |
| 332 | 14:10:16 | 0,26            | 0,39            | 0,40            | 4,43                     | 4,20                     | 10,67                    | 1,75   | 1,24   | 2,60   | 0,77            |
| 333 | 14:10:21 | 0,31            | 0,35            | 0,46            | 4,44                     | 4,21                     | 10,67                    | 5,36   | 3,60   | 2,44   | 0,80            |
| 334 | 14:10:26 | 0,27            | 0,30            | 0,43            | 4,44                     | 4,21                     | 10,67                    | 1,66   | 2,36   | 2,57   | 0,70            |
| 335 | 14:10:31 | 0,29            | 0,43            | 0,58            | 4,44                     | 4,21                     | 10,67                    | 1,59   | 2,00   | 1,59   | 0,93            |
| 336 | 14:10:36 | 0,66            | 0,52            | 0,87            | 4,44                     | 4,21                     | 10,67                    | 2,43   | 1,69   | 2,12   | 1,46            |
| 337 | 14:10:41 | 0,57            | 0,61            | 0,75            | 4,45                     | 4,21                     | 10,68                    | 1,63   | 1,58   | 2,54   | 1,39            |
| 338 | 14:10:46 | 0,46            | 0,49            | 0,62            | 4,45                     | 4,22                     | 10,68                    | 2,40   | 1,07   | 2,13   | 1,13            |
| 339 | 14:10:51 | 0,37            | 0,37            | 0,53            | 4,45                     | 4,22                     | 10,68                    | 2,09   | 2,38   | 2,95   | 0,91            |
| 340 | 14:10:56 | 0,23            | 0,41            | 0,52            | 4,45                     | 4,22                     | 10,68                    | 1,49   | 1,97   | 1,38   | 0,84            |
| 341 | 14:11:01 | 0,99            | 0,51            | 0,99            | 4,49                     | 4,22                     | 10,69                    | 1,19   | 2,01   | 1,32   | 1,84            |
| 342 | 14:11:06 | 0,43            | 0,40            | 0,42            | 4,49                     | 4,22                     | 10,69                    | 2,52   | 2,06   | 1,69   | 0,92            |
| 343 | 14:11:11 | 0,40            | 0,31            | 0,79            | 4,49                     | 4,22                     | 10,69                    | 0,96   | 1,56   | 1,42   | 1,07            |
| 344 | 14:11:16 | 0,79            | 0,31            | 0,86            | 4,51                     | 4,22                     | 10,69                    | 0,61   | 2,59   | 1,76   | 1,46            |
| 345 | 14:11:21 | 0,55            | 0,47            | 0,59            | 4,51                     | 4,23                     | 10,69                    | 2,04   | 1,96   | 1,44   | 1,17            |
| 346 | 14:11:26 | 0,58            | 0,37            | 0,82            | 4,51                     | 4,23                     | 10,69                    | 1,28   | 0,77   | 1,39   | 1,26            |
| 347 | 14:11:31 | 0,68            | 0,44            | 0,91            | 4,53                     | 4,23                     | 10,70                    | 0,72   | 2,38   | 2,18   | 1,46            |
| 348 | 14:11:36 | 0,54            | 0,55            | 0,50            | 4,53                     | 4,23                     | 10,70                    | 1,11   | 0,96   | 1,15   | 1,18            |
| 349 | 14:11:41 | 0,34            | 0,33            | 0,63            | 4,53                     | 4,23                     | 10,70                    | 1,52   | 1,88   | 2,55   | 0,91            |
| 350 | 14:11:46 | 0,85            | 0,52            | 1,15            | 4,55                     | 4,24                     | 10,72                    | 1,08   | 1,78   | 0,99   | 1,81            |
| 351 | 14:11:52 | 0,51            | 0,32            | 0,42            | 4,55                     | 4,24                     | 10,73                    | 2,06   | 1,30   | 1,12   | 0,93            |
| 352 | 14:11:57 | 0,28            | 0,37            | 0,44            | 4,55                     | 4,24                     | 10,73                    | 2,67   | 1,89   | 2,74   | 0,78            |
| 353 | 14:12:02 | 0,26            | 0,45            | 0,66            | 4,55                     | 4,24                     | 10,73                    | 2,91   | 0,97   | 3,86   | 0,98            |
| 354 | 14:12:07 | 0,28            | 0,33            | 0,71            | 4,55                     | 4,24                     | 10,73                    | 1,89   | 3,29   | 2,87   | 0,94            |
| 355 | 14:12:12 | 0,29            | 0,44            | 0,81            | 4,55                     | 4,24                     | 10,73                    | 3,39   | 1,94   | 2,64   | 1,09            |
| 356 | 14:12:17 | 0,33            | 0,65            | 0,87            | 4,55                     | 4,26                     | 10,73                    | 1,30   | 2,27   | 1,81   | 1,34            |
| 357 | 14:12:22 | 0,36            | 0,59            | 0,99            | 4,55                     | 4,27                     | 10,73                    | 1,87   | 0,87   | 2,46   | 1,39            |
| 358 | 14:12:27 | 0,65            | 0,51            | 1,33            | 4,56                     | 4,27                     | 10,75                    | 1,14   | 1,45   | 1,88   | 1,76            |
| 359 | 14:12:32 | 0,47            | 0,42            | 0,97            | 4,56                     | 4,27                     | 10,75                    | 1,10   | 2,27   | 1,52   | 1,32            |
| 360 | 14:12:37 | 0,50            | 0,46            | 1,07            | 4,56                     | 4,28                     | 10,75                    | 3,08   | 2,09   | 2,02   | 1,44            |
| 361 | 14:12:42 | 0,37            | 0,57            | 0,83            | 4,57                     | 4,28                     | 10,75                    | 1,92   | 1,40   | 1,60   | 1,26            |
| 362 | 14:12:47 | 0,52            | 0,47            | 0,98            | 4,57                     | 4,28                     | 10,76                    | 1,18   | 1,46   | 1,94   | 1,38            |
| 363 | 14:12:52 | 0,50            | 0,70            | 1,09            | 4,57                     | 4,29                     | 10,76                    | 1,27   | 0,90   | 1,78   | 1,62            |
| 364 | 14:12:57 | 0,44            | 0,36            | 1,45            | 4,57                     | 4,29                     | 10,78                    | 1,46   | 2,21   | 1,65   | 1,65            |
| 365 | 14:13:02 | 0,50            | 0,64            | 1,14            | 4,57                     | 4,30                     | 10,79                    | 2,25   | 2,19   | 1,64   | 1,61            |
| 366 | 14:13:07 | 0,93            | 0,37            | 1,19            | 4,63                     | 4,31                     | 10,82                    | 0,07   | 0,55   | 0,22   | 1,84            |
| 367 | 14:13:12 | 0,22            | 0,21            | 0,14            | 4,63                     | 4,31                     | 10,82                    | 1,32   | 1,02   | 2,23   | 0,45            |
| 368 | 14:13:17 | 0,04            | 0,09            | 0,10            | 4,63                     | 4,31                     | 10,82                    | 2,67   | 3,71   | 2,87   | 0,17            |
| 369 | 14:13:22 | 0,14            | 0,11            | 0,15            | 4,63                     | 4,31                     | 10,82                    | 0,88   | 1,97   | 1,53   | 0,29            |
| 370 | 14:13:27 | 0,08            | 0,14            | 0,11            | 4,63                     | 4,31                     | 10,82                    | 0,91   | 1,60   | 1,78   | 0,25            |
| 371 | 14:13:32 | 0,01            | 0,05            | 0,05            | 4,63                     | 4,31                     | 10,82                    | 1,64   | 2,16   | 1,81   | 0,08            |
| 372 | 14:13:37 | 0,01            | 0,04            | 0,04            | 4,63                     | 4,31                     | 10,82                    | 2,01   | 1,92   | 3,10   | 0,07            |
| 373 | 14:13:42 | 0,01            | 0,04            | 0,04            | 4,63                     | 4,31                     | 10,82                    | 2,41   | 2,06   | 1,99   | 0,07            |
| 374 | 14:13:47 | 0,01            | 0,04            | 0,04            | 4,63                     | 4,31                     | 10,82                    | 1,94   | 2,40   | 2,21   | 0,07            |
| 375 | 14:13:52 | 0,01            | 0,04            | 0,05            | 4,63                     | 4,31                     | 10,82                    | 2,46   | 2,13   | 2,66   | 0,08            |
| 376 | 14:13:57 | 0,01            | 0,04            | 0,03            | 4,63                     | 4,31                     | 10,82                    | 2,39   | 2,27   | 2,45   | 0,06            |
| 377 | 14:14:02 | 0,01            | 0,04            | 0,04            | 4,63                     | 4,31                     | 10,82                    | 2,97   | 3,62   | 2,94   | 0,07            |
| 378 | 14:14:07 | 0,01            | 0,05            | 0,05            | 4,63                     | 4,31                     | 10,82                    | 2,07   | 2,00   | 2,27   | 0,08            |
| 379 | 14:14:12 | 0,01            | 0,04            | 0,06            | 4,63                     | 4,31                     | 10,82                    | 1,97   | 2,08   | 2,53   | 0,09            |
| 380 | 14:14:17 | 0,01            | 0,04            | 0,07            | 4,63                     | 4,31                     | 10,82                    | 2,23   | 2,04   | 2,20   | 0,09            |
| 381 | 14:14:22 | 0,01            | 0,05            | 0,06            | 4,63                     | 4,31                     | 10,82                    | 2,44   | 2,20   | 1,89   | 0,09            |
| 382 | 14:14:27 | 0,06            | 0,06            | 0,12            | 4,63                     | 4,31                     | 10,82                    | 8,13   | 3,40   | 8,11   | 0,17            |
| 383 | 14:14:32 | 0,05            | 0,04            | 0,07            | 4,63                     | 4,31                     | 10,82                    | 0,40   | 0,57   | 1,51   | 0,12            |
| 384 | 14:14:37 | 0,01            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,01   | 2,06   | 2,79   | 0,02            |
| 385 | 14:14:42 | 0,01            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,05   | 2,00   | 1,98   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 386 | 14:14:47 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,04   | 1,12   | 2,04   | 0,02            |
| 387 | 14:14:52 | 0,01            | 0,00            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,73   | 2,76   | 2,76   | 0,02            |
| 388 | 14:14:57 | 0,01            | 0,00            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 1,21   | 2,64   | 2,74   | 0,02            |
| 389 | 14:15:02 | 0,01            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,30   | 1,63   | 1,95   | 0,02            |
| 390 | 14:15:07 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 1,70   | 1,64   | 2,73   | 0,02            |
| 391 | 14:15:12 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,30   | 2,25   | 2,18   | 0,02            |
| 392 | 14:15:17 | 0,01            | 0,00            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,03   | 2,91   | 2,41   | 0,02            |
| 393 | 14:15:22 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,59   | 1,60   | 2,89   | 0,02            |
| 394 | 14:15:27 | 0,00            | 0,00            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,46   | 1,42   | 3,16   | 0,02            |
| 395 | 14:15:32 | 0,00            | 0,00            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 3,40   | 2,27   | 2,31   | 0,02            |
| 396 | 14:15:37 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,19   | 2,35   | 2,53   | 0,02            |
| 397 | 14:15:42 | 0,00            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 1,92   | 1,49   | 2,14   | 0,02            |
| 398 | 14:15:47 | 0,01            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 2,43   | 1,89   | 2,24   | 0,02            |
| 399 | 14:15:52 | 0,01            | 0,01            | 0,02            | 4,63                     | 4,31                     | 10,82                    | 1,43   | 1,84   | 2,71   | 0,02            |
| 400 | 14:15:57 | 0,02            | 0,05            | 0,07            | 4,63                     | 4,31                     | 10,82                    | 3,50   | 1,50   | 2,28   | 0,10            |
| 401 | 14:16:02 | 0,01            | 0,03            | 0,03            | 4,63                     | 4,31                     | 10,82                    | 0,92   | 2,01   | 3,00   | 0,05            |
| 402 | 14:16:07 | 0,09            | 0,06            | 0,07            | 4,63                     | 4,31                     | 10,82                    | 0,68   | 0,98   | 1,25   | 0,16            |
| 403 | 14:16:12 | 0,04            | 0,08            | 0,06            | 4,63                     | 4,31                     | 10,82                    | 4,32   | 4,84   | 3,08   | 0,14            |
| 404 | 14:16:17 | 0,05            | 0,08            | 0,06            | 4,63                     | 4,31                     | 10,82                    | 0,20   | 0,17   | 1,27   | 0,14            |
| 405 | 14:16:22 | 0,01            | 0,01            | 0,03            | 4,63                     | 4,31                     | 10,82                    | 2,01   | 1,41   | 1,93   | 0,04            |
| 406 | 14:16:27 | 0,18            | 0,30            | 0,14            | 4,63                     | 4,31                     | 10,82                    | 2,09   | 1,87   | 2,42   | 0,50            |
| 407 | 14:16:32 | 0,06            | 0,11            | 0,08            | 4,63                     | 4,31                     | 10,82                    | 0,99   | 0,71   | 1,75   | 0,20            |
| 408 | 14:16:37 | 0,66            | 0,40            | 0,25            | 4,64                     | 4,31                     | 10,82                    | 0,45   | 0,95   | 0,98   | 1,12            |
| 409 | 14:16:42 | 1,21            | 1,16            | 0,74            | 4,73                     | 4,46                     | 10,82                    | 0,96   | 1,24   | 1,42   | 2,46            |
| 410 | 14:16:47 | 0,48            | 0,41            | 0,99            | 4,73                     | 4,47                     | 10,84                    | 1,52   | 1,83   | 0,66   | 1,33            |
| 411 | 14:16:52 | 0,49            | 0,54            | 0,49            | 4,74                     | 4,47                     | 10,84                    | 2,22   | 2,14   | 2,27   | 1,13            |
| 412 | 14:16:57 | 0,34            | 0,50            | 0,82            | 4,74                     | 4,47                     | 10,84                    | 2,20   | 1,16   | 3,51   | 1,18            |
| 413 | 14:17:02 | 0,46            | 0,50            | 1,73            | 4,74                     | 4,48                     | 10,95                    | 2,67   | 2,54   | 1,33   | 1,98            |
| 414 | 14:17:07 | 0,49            | 0,47            | 0,73            | 4,74                     | 4,48                     | 10,95                    | 2,57   | 2,09   | 3,78   | 1,20            |
| 415 | 14:17:12 | 0,38            | 0,67            | 0,54            | 4,74                     | 4,49                     | 10,95                    | 0,89   | 1,31   | 3,09   | 1,20            |
| 416 | 14:17:17 | 0,24            | 0,46            | 0,56            | 4,74                     | 4,49                     | 10,95                    | 1,57   | 1,38   | 1,71   | 0,92            |
| 417 | 14:17:22 | 0,18            | 0,26            | 0,44            | 4,74                     | 4,49                     | 10,95                    | 1,60   | 1,98   | 2,69   | 0,62            |
| 418 | 14:17:27 | 0,18            | 0,40            | 0,39            | 4,74                     | 4,50                     | 10,95                    | 0,87   | 2,51   | 1,90   | 0,72            |
| 419 | 14:17:32 | 0,17            | 0,35            | 0,39            | 4,74                     | 4,50                     | 10,95                    | 2,40   | 2,02   | 2,92   | 0,67            |
| 420 | 14:17:37 | 0,18            | 0,22            | 0,41            | 4,74                     | 4,50                     | 10,95                    | 3,09   | 2,27   | 2,52   | 0,57            |
| 421 | 14:17:42 | 0,15            | 0,37            | 0,42            | 4,74                     | 4,50                     | 10,95                    | 2,85   | 0,58   | 2,36   | 0,70            |
| 422 | 14:17:48 | 0,20            | 0,24            | 0,39            | 4,74                     | 4,50                     | 10,95                    | 2,52   | 2,65   | 3,74   | 0,58            |
| 423 | 14:17:53 | 0,49            | 0,25            | 0,47            | 4,74                     | 4,50                     | 10,95                    | 2,22   | 1,99   | 2,32   | 0,91            |
| 424 | 14:17:58 | 0,55            | 0,39            | 0,40            | 4,75                     | 4,50                     | 10,95                    | 2,37   | 1,89   | 3,65   | 1,03            |
| 425 | 14:18:03 | 0,15            | 0,28            | 0,37            | 4,75                     | 4,50                     | 10,95                    | 1,47   | 1,04   | 1,68   | 0,58            |
| 426 | 14:18:08 | 0,27            | 0,20            | 0,28            | 4,75                     | 4,50                     | 10,95                    | 3,64   | 2,37   | 3,27   | 0,54            |
| 427 | 14:18:13 | 0,14            | 0,28            | 0,35            | 4,75                     | 4,50                     | 10,95                    | 2,52   | 2,27   | 2,36   | 0,56            |
| 428 | 14:18:18 | 0,12            | 0,16            | 0,30            | 4,75                     | 4,50                     | 10,95                    | 1,40   | 2,64   | 3,01   | 0,41            |
| 429 | 14:18:23 | 0,64            | 0,35            | 0,39            | 4,75                     | 4,50                     | 10,95                    | 1,34   | 2,10   | 2,71   | 1,10            |
| 430 | 14:18:28 | 0,22            | 0,40            | 0,39            | 4,75                     | 4,50                     | 10,95                    | 1,64   | 2,76   | 2,24   | 0,75            |
| 431 | 14:18:33 | 0,43            | 0,22            | 0,33            | 4,75                     | 4,50                     | 10,95                    | 2,58   | 2,09   | 2,25   | 0,76            |
| 432 | 14:18:38 | 0,26            | 0,24            | 0,33            | 4,75                     | 4,50                     | 10,95                    | 1,00   | 2,19   | 2,17   | 0,60            |
| 433 | 14:18:43 | 0,63            | 0,30            | 0,54            | 4,77                     | 4,50                     | 10,95                    | 2,71   | 2,59   | 2,46   | 1,12            |
| 434 | 14:18:49 | 0,33            | 0,33            | 0,41            | 4,77                     | 4,50                     | 10,95                    | 1,01   | 1,24   | 1,34   | 0,77            |
| 435 | 14:18:54 | 0,25            | 0,27            | 0,30            | 4,77                     | 4,50                     | 10,95                    | 1,51   | 0,54   | 2,78   | 0,60            |
| 436 | 14:18:59 | 0,48            | 0,24            | 0,33            | 4,77                     | 4,50                     | 10,95                    | 0,47   | 1,37   | 2,31   | 0,82            |
| 437 | 14:19:04 | 0,14            | 0,23            | 0,28            | 4,77                     | 4,50                     | 10,95                    | 3,34   | 1,74   | 2,28   | 0,47            |
| 438 | 14:19:09 | 0,56            | 0,30            | 0,76            | 4,78                     | 4,50                     | 10,96                    | 3,82   | 2,11   | 7,06   | 1,17            |
| 439 | 14:19:14 | 0,32            | 0,39            | 0,31            | 4,78                     | 4,50                     | 10,96                    | 0,64   | 1,25   | 2,35   | 0,77            |
| 440 | 14:19:19 | 0,47            | 0,48            | 0,38            | 4,79                     | 4,51                     | 10,96                    | 5,26   | 4,91   | 4,11   | 1,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 441 | 14:19:24 | 0,51            | 0,47            | 0,46            | 4,80                     | 4,52                     | 10,96                    | 0,83   | 1,38   | 1,24   | 1,07            |
| 442 | 14:19:29 | 0,33            | 0,29            | 0,54            | 4,80                     | 4,52                     | 10,97                    | 5,82   | 3,92   | 8,16   | 0,82            |
| 443 | 14:19:34 | 0,62            | 0,32            | 0,36            | 4,81                     | 4,52                     | 10,97                    | 0,58   | 1,84   | 2,04   | 1,04            |
| 444 | 14:19:39 | 0,21            | 0,37            | 0,34            | 4,81                     | 4,52                     | 10,97                    | 1,29   | 1,59   | 2,66   | 0,69            |
| 445 | 14:19:44 | 0,66            | 0,38            | 0,37            | 4,81                     | 4,52                     | 10,97                    | 0,52   | 1,20   | 1,63   | 1,13            |
| 446 | 14:19:49 | 0,17            | 0,31            | 0,31            | 4,81                     | 4,52                     | 10,97                    | 1,40   | 2,04   | 3,55   | 0,59            |
| 447 | 14:19:54 | 0,13            | 0,28            | 0,31            | 4,81                     | 4,52                     | 10,97                    | 2,72   | 1,20   | 2,54   | 0,53            |
| 448 | 14:19:59 | 0,64            | 0,27            | 0,84            | 4,82                     | 4,52                     | 10,97                    | 0,41   | 1,74   | 1,09   | 1,29            |
| 449 | 14:20:04 | 0,44            | 0,39            | 0,35            | 4,82                     | 4,53                     | 10,97                    | 2,97   | 1,07   | 3,51   | 0,90            |
| 450 | 14:20:09 | 0,30            | 0,27            | 0,33            | 4,82                     | 4,53                     | 10,97                    | 0,94   | 1,80   | 2,49   | 0,66            |
| 451 | 14:20:14 | 0,16            | 0,25            | 0,38            | 4,82                     | 4,53                     | 10,97                    | 2,33   | 2,18   | 2,32   | 0,57            |
| 452 | 14:20:19 | 0,61            | 0,39            | 0,61            | 4,82                     | 4,53                     | 10,98                    | 0,53   | 2,27   | 1,24   | 1,19            |
| 453 | 14:20:24 | 0,14            | 0,28            | 0,31            | 4,82                     | 4,53                     | 10,98                    | 0,86   | 1,47   | 2,43   | 0,53            |
| 454 | 14:20:29 | 0,19            | 0,58            | 0,35            | 4,82                     | 4,53                     | 10,98                    | 2,13   | 1,18   | 3,27   | 0,93            |
| 455 | 14:20:34 | 0,18            | 0,23            | 0,23            | 4,82                     | 4,53                     | 10,98                    | 1,55   | 2,27   | 2,38   | 0,47            |
| 456 | 14:20:39 | 0,49            | 0,21            | 0,34            | 4,83                     | 4,53                     | 10,98                    | 0,56   | 2,15   | 2,78   | 0,81            |
| 457 | 14:20:44 | 0,18            | 0,18            | 0,26            | 4,83                     | 4,53                     | 10,98                    | 1,61   | 2,76   | 2,66   | 0,44            |
| 458 | 14:20:49 | 0,11            | 0,17            | 0,24            | 4,83                     | 4,53                     | 10,98                    | 1,54   | 1,52   | 1,90   | 0,37            |
| 459 | 14:20:54 | 0,10            | 0,22            | 0,29            | 4,83                     | 4,53                     | 10,98                    | 2,35   | 1,71   | 2,84   | 0,45            |
| 460 | 14:20:59 | 0,20            | 0,17            | 0,38            | 4,83                     | 4,53                     | 10,98                    | 2,59   | 1,93   | 3,15   | 0,52            |
| 461 | 14:21:04 | 0,63            | 0,29            | 0,95            | 4,84                     | 4,53                     | 10,98                    | 0,47   | 2,39   | 0,66   | 1,36            |
| 462 | 14:21:09 | 0,13            | 0,31            | 0,32            | 4,84                     | 4,53                     | 10,98                    | 2,92   | 2,07   | 2,36   | 0,56            |
| 463 | 14:21:14 | 0,15            | 0,33            | 0,34            | 4,84                     | 4,53                     | 10,98                    | 1,97   | 2,56   | 2,75   | 0,61            |
| 464 | 14:21:19 | 0,18            | 0,26            | 0,33            | 4,84                     | 4,53                     | 10,98                    | 2,64   | 3,06   | 1,91   | 0,55            |
| 465 | 14:21:24 | 0,50            | 0,28            | 0,25            | 4,84                     | 4,53                     | 10,98                    | 0,36   | 2,53   | 2,76   | 0,84            |
| 466 | 14:21:29 | 0,14            | 0,25            | 0,29            | 4,84                     | 4,53                     | 10,98                    | 2,16   | 2,30   | 2,16   | 0,50            |
| 467 | 14:21:34 | 0,16            | 0,21            | 0,29            | 4,84                     | 4,53                     | 10,98                    | 2,29   | 2,25   | 2,56   | 0,47            |
| 468 | 14:21:39 | 0,18            | 0,23            | 0,35            | 4,84                     | 4,53                     | 10,98                    | 3,02   | 2,36   | 2,67   | 0,54            |
| 469 | 14:21:44 | 0,51            | 0,31            | 0,84            | 4,84                     | 4,53                     | 10,99                    | 0,50   | 2,94   | 0,90   | 1,19            |
| 470 | 14:21:49 | 0,17            | 0,40            | 0,36            | 4,85                     | 4,53                     | 10,99                    | 2,07   | 2,68   | 2,37   | 0,71            |
| 471 | 14:21:54 | 0,18            | 0,33            | 0,35            | 4,85                     | 4,53                     | 10,99                    | 2,45   | 1,03   | 1,49   | 0,63            |
| 472 | 14:21:59 | 0,23            | 0,23            | 0,26            | 4,85                     | 4,53                     | 10,99                    | 1,60   | 0,82   | 2,12   | 0,53            |
| 473 | 14:22:04 | 0,33            | 0,17            | 0,28            | 4,85                     | 4,53                     | 10,99                    | 0,59   | 1,73   | 1,80   | 0,59            |
| 474 | 14:22:09 | 0,15            | 0,18            | 0,27            | 4,85                     | 4,53                     | 10,99                    | 1,76   | 1,70   | 3,09   | 0,43            |
| 475 | 14:22:14 | 0,18            | 0,20            | 0,28            | 4,85                     | 4,53                     | 10,99                    | 2,52   | 2,05   | 2,00   | 0,47            |
| 476 | 14:22:19 | 0,11            | 0,19            | 0,27            | 4,85                     | 4,53                     | 10,99                    | 3,77   | 3,42   | 2,72   | 0,41            |
| 477 | 14:22:24 | 0,71            | 0,36            | 0,93            | 4,86                     | 4,53                     | 10,99                    | 1,74   | 1,13   | 2,95   | 1,45            |
| 478 | 14:22:29 | 0,29            | 0,38            | 0,32            | 4,86                     | 4,54                     | 10,99                    | 2,16   | 0,73   | 2,72   | 0,74            |
| 479 | 14:22:34 | 0,21            | 0,40            | 0,38            | 4,86                     | 4,54                     | 10,99                    | 1,72   | 1,34   | 1,54   | 0,74            |
| 480 | 14:22:39 | 0,52            | 0,26            | 0,37            | 4,86                     | 4,54                     | 10,99                    | 0,28   | 2,48   | 2,27   | 0,89            |
| 481 | 14:22:44 | 0,56            | 0,37            | 0,42            | 4,86                     | 4,54                     | 10,99                    | 4,08   | 2,39   | 4,00   | 1,03            |
| 482 | 14:22:49 | 0,96            | 0,26            | 0,93            | 4,87                     | 4,54                     | 11,00                    | 1,77   | 2,16   | 1,34   | 1,68            |
| 483 | 14:22:54 | 0,40            | 0,28            | 0,35            | 4,87                     | 4,54                     | 11,00                    | 0,80   | 1,38   | 2,40   | 0,76            |
| 484 | 14:22:59 | 0,19            | 0,28            | 0,34            | 4,87                     | 4,54                     | 11,00                    | 1,88   | 1,89   | 3,09   | 0,58            |
| 485 | 14:23:04 | 0,47            | 0,47            | 0,32            | 4,88                     | 4,54                     | 11,00                    | 0,65   | 1,78   | 1,78   | 0,99            |
| 486 | 14:23:09 | 0,63            | 0,31            | 0,36            | 4,88                     | 4,54                     | 11,00                    | 0,89   | 1,86   | 1,83   | 1,05            |
| 487 | 14:23:14 | 0,26            | 0,33            | 0,45            | 4,88                     | 4,54                     | 11,00                    | 1,99   | 1,63   | 2,05   | 0,74            |
| 488 | 14:23:19 | 0,75            | 0,29            | 0,63            | 4,90                     | 4,54                     | 11,00                    | 0,93   | 1,13   | 0,97   | 1,29            |
| 489 | 14:23:24 | 0,15            | 0,36            | 0,46            | 4,90                     | 4,54                     | 11,00                    | 2,54   | 2,35   | 4,25   | 0,72            |
| 490 | 14:23:29 | 0,40            | 0,23            | 0,65            | 4,90                     | 4,54                     | 11,00                    | 1,79   | 2,28   | 2,10   | 0,92            |
| 491 | 14:23:34 | 0,26            | 0,23            | 0,57            | 4,90                     | 4,54                     | 11,00                    | 1,43   | 3,81   | 2,76   | 0,75            |
| 492 | 14:23:39 | 0,73            | 0,31            | 1,60            | 4,92                     | 4,54                     | 11,05                    | 0,24   | 0,53   | 1,00   | 1,94            |
| 493 | 14:23:44 | 0,15            | 0,18            | 1,82            | 4,92                     | 4,54                     | 11,08                    | 1,64   | 1,84   | 3,17   | 1,85            |
| 494 | 14:23:49 | 0,44            | 0,25            | 9,17            | 4,92                     | 4,54                     | 22,91                    | 1,57   | 1,04   | 0,40   | 9,20            |
| 495 | 14:23:54 | 0,30            | 0,12            | 2,02            | 4,92                     | 4,54                     | 22,92                    | 2,01   | 2,00   | 2,26   | 2,07            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 496 | 14:23:59 | 0,27            | 0,10            | 1,76            | 4,92                     | 4,54                     | 22,92                    | 2,12   | 2,91   | 2,68   | 1,81            |
| 497 | 14:24:04 | 0,38            | 0,19            | 2,15            | 4,92                     | 4,54                     | 22,93                    | 2,43   | 2,12   | 2,80   | 2,23            |
| 498 | 14:24:09 | 0,63            | 0,38            | 3,36            | 4,93                     | 4,54                     | 23,00                    | 0,58   | 1,62   | 0,65   | 3,51            |
| 499 | 14:24:14 | 0,22            | 0,33            | 0,49            | 4,93                     | 4,54                     | 23,00                    | 1,73   | 3,02   | 3,38   | 0,75            |
| 500 | 14:24:19 | 0,22            | 0,26            | 0,57            | 4,93                     | 4,55                     | 23,00                    | 0,97   | 1,71   | 1,68   | 0,74            |
| 501 | 14:24:24 | 0,17            | 0,25            | 0,59            | 4,93                     | 4,55                     | 23,00                    | 1,86   | 2,60   | 3,81   | 0,73            |
| 502 | 14:24:29 | 0,35            | 0,28            | 1,95            | 4,93                     | 4,55                     | 23,00                    | 3,17   | 2,54   | 2,21   | 2,05            |
| 503 | 14:24:34 | 0,58            | 0,41            | 4,05            | 4,93                     | 4,55                     | 23,07                    | 0,67   | 1,33   | 0,68   | 4,17            |
| 504 | 14:24:39 | 0,29            | 0,10            | 0,67            | 4,93                     | 4,55                     | 23,07                    | 2,70   | 2,26   | 4,54   | 0,80            |
| 505 | 14:24:44 | 0,53            | 0,14            | 1,30            | 4,93                     | 4,55                     | 23,07                    | 0,57   | 1,44   | 0,49   | 1,51            |
| 506 | 14:24:49 | 0,36            | 0,33            | 0,54            | 4,93                     | 4,55                     | 23,07                    | 1,11   | 2,01   | 1,31   | 0,86            |
| 507 | 14:24:54 | 0,73            | 0,30            | 1,92            | 4,94                     | 4,55                     | 23,09                    | 3,22   | 3,75   | 6,93   | 2,22            |
| 508 | 14:24:59 | 0,73            | 0,66            | 1,50            | 4,95                     | 4,55                     | 23,10                    | 0,95   | 1,14   | 1,30   | 2,03            |
| 509 | 14:25:04 | 0,25            | 0,35            | 0,75            | 4,95                     | 4,55                     | 23,10                    | 2,45   | 1,99   | 1,80   | 0,96            |
| 510 | 14:25:09 | 0,23            | 0,52            | 0,51            | 4,95                     | 4,55                     | 23,10                    | 2,24   | 1,21   | 2,48   | 0,94            |
| 511 | 14:25:14 | 0,21            | 0,37            | 0,53            | 4,95                     | 4,56                     | 23,10                    | 2,79   | 2,11   | 2,61   | 0,80            |
| 512 | 14:25:19 | 0,53            | 0,29            | 0,65            | 4,96                     | 4,56                     | 23,10                    | 1,60   | 1,01   | 1,82   | 1,07            |
| 513 | 14:25:24 | 0,31            | 0,27            | 0,60            | 4,96                     | 4,56                     | 23,10                    | 0,96   | 1,84   | 2,17   | 0,83            |
| 514 | 14:25:29 | 0,17            | 0,33            | 0,59            | 4,96                     | 4,56                     | 23,10                    | 2,26   | 1,78   | 1,85   | 0,79            |
| 515 | 14:25:34 | 0,21            | 0,50            | 0,79            | 4,96                     | 4,56                     | 23,10                    | 2,79   | 1,86   | 3,61   | 1,10            |
| 516 | 14:25:39 | 0,25            | 0,50            | 0,69            | 4,96                     | 4,56                     | 23,10                    | 2,06   | 1,79   | 1,84   | 1,04            |
| 517 | 14:25:44 | 0,25            | 0,46            | 0,75            | 4,96                     | 4,56                     | 23,10                    | 2,14   | 1,57   | 2,11   | 1,05            |
| 518 | 14:25:49 | 0,37            | 0,42            | 0,71            | 4,96                     | 4,56                     | 23,10                    | 1,00   | 1,32   | 2,99   | 1,06            |
| 519 | 14:25:55 | 0,41            | 0,44            | 0,98            | 4,96                     | 4,57                     | 23,10                    | 1,15   | 2,21   | 1,33   | 1,29            |
| 520 | 14:26:00 | 0,46            | 0,86            | 0,54            | 4,96                     | 4,57                     | 23,10                    | 1,81   | 0,40   | 1,40   | 1,47            |
| 521 | 14:26:05 | 0,41            | 0,40            | 2,86            | 4,96                     | 4,57                     | 23,16                    | 1,72   | 1,69   | 0,70   | 2,97            |
| 522 | 14:26:10 | 0,59            | 0,56            | 0,96            | 4,96                     | 4,58                     | 23,16                    | 1,23   | 1,35   | 1,60   | 1,49            |
| 523 | 14:26:15 | 0,70            | 0,53            | 1,14            | 4,98                     | 4,58                     | 23,16                    | 3,91   | 3,46   | 5,24   | 1,68            |
| 524 | 14:26:20 | 0,87            | 0,72            | 2,37            | 5,02                     | 4,60                     | 23,21                    | 1,01   | 1,49   | 0,47   | 2,85            |
| 525 | 14:26:25 | 0,43            | 0,30            | 0,30            | 5,02                     | 4,60                     | 23,21                    | 1,00   | 2,16   | 3,24   | 0,79            |
| 526 | 14:26:30 | 0,40            | 0,32            | 0,74            | 5,02                     | 4,60                     | 23,21                    | 3,21   | 1,14   | 1,05   | 1,03            |
| 527 | 14:26:35 | 0,84            | 0,45            | 1,24            | 5,03                     | 4,60                     | 23,21                    | 1,42   | 1,75   | 0,38   | 1,83            |
| 528 | 14:26:40 | 0,35            | 0,28            | 0,36            | 5,03                     | 4,60                     | 23,21                    | 1,53   | 3,40   | 4,41   | 0,72            |
| 529 | 14:26:45 | 0,30            | 0,46            | 0,70            | 5,03                     | 4,60                     | 23,21                    | 1,72   | 2,32   | 1,34   | 1,04            |
| 530 | 14:26:50 | 0,58            | 0,38            | 0,66            | 5,03                     | 4,61                     | 23,21                    | 2,68   | 6,38   | 5,16   | 1,17            |
| 531 | 14:26:55 | 0,61            | 1,00            | 1,03            | 5,04                     | 4,63                     | 23,22                    | 2,04   | 2,50   | 1,38   | 1,93            |
| 532 | 14:27:00 | 0,86            | 0,76            | 1,62            | 5,05                     | 4,64                     | 23,22                    | 2,02   | 1,39   | 1,49   | 2,28            |
| 533 | 14:27:05 | 0,52            | 0,60            | 1,21            | 5,05                     | 4,65                     | 23,22                    | 1,36   | 1,37   | 0,84   | 1,64            |
| 534 | 14:27:10 | 0,41            | 0,55            | 0,88            | 5,05                     | 4,65                     | 23,22                    | 1,39   | 2,01   | 0,85   | 1,31            |
| 535 | 14:27:15 | 0,37            | 0,42            | 0,82            | 5,05                     | 4,65                     | 23,22                    | 1,54   | 2,69   | 1,74   | 1,13            |
| 536 | 14:27:20 | 0,37            | 0,58            | 0,51            | 5,06                     | 4,66                     | 23,22                    | 1,81   | 0,61   | 1,24   | 1,09            |
| 537 | 14:27:25 | 0,59            | 0,54            | 0,53            | 5,07                     | 4,66                     | 23,22                    | 1,54   | 1,50   | 1,14   | 1,24            |
| 538 | 14:27:30 | 0,61            | 0,59            | 0,33            | 5,07                     | 4,67                     | 23,22                    | 2,37   | 3,32   | 3,78   | 1,24            |
| 539 | 14:27:35 | 0,31            | 0,34            | 0,29            | 5,07                     | 4,67                     | 23,22                    | 1,93   | 3,40   | 3,75   | 0,71            |
| 540 | 14:27:40 | 0,43            | 0,52            | 0,56            | 5,07                     | 4,67                     | 23,22                    | 1,76   | 1,90   | 4,48   | 1,09            |
| 541 | 14:27:46 | 0,53            | 0,51            | 1,04            | 5,07                     | 4,67                     | 23,22                    | 1,70   | 2,49   | 1,41   | 1,46            |
| 542 | 14:27:51 | 0,24            | 0,57            | 0,61            | 5,07                     | 4,68                     | 23,22                    | 2,77   | 1,64   | 2,75   | 1,07            |
| 543 | 14:27:56 | 0,33            | 0,31            | 1,01            | 5,07                     | 4,68                     | 23,22                    | 3,78   | 2,77   | 5,33   | 1,20            |
| 544 | 14:28:01 | 0,59            | 0,54            | 1,38            | 5,08                     | 4,68                     | 23,23                    | 1,02   | 3,24   | 1,62   | 1,78            |
| 545 | 14:28:06 | 0,46            | 0,58            | 1,16            | 5,08                     | 4,69                     | 23,23                    | 3,02   | 1,26   | 2,56   | 1,56            |
| 546 | 14:28:11 | 0,38            | 0,51            | 0,89            | 5,08                     | 4,69                     | 23,23                    | 0,82   | 2,23   | 1,29   | 1,25            |
| 547 | 14:28:16 | 0,40            | 0,59            | 0,84            | 5,08                     | 4,69                     | 23,23                    | 1,80   | 1,66   | 1,56   | 1,30            |
| 548 | 14:28:21 | 0,37            | 0,52            | 0,62            | 5,08                     | 4,69                     | 23,23                    | 1,20   | 1,90   | 2,62   | 1,09            |
| 549 | 14:28:26 | 0,27            | 0,57            | 0,56            | 5,08                     | 4,70                     | 23,23                    | 2,49   | 2,10   | 1,94   | 1,05            |
| 550 | 14:28:31 | 0,31            | 0,44            | 1,09            | 5,09                     | 4,70                     | 23,23                    | 1,46   | 2,02   | 1,47   | 1,33            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 551 | 14:28:36 | 0,39            | 0,83            | 0,96            | 5,09                     | 4,71                     | 23,23                    | 1,02   | 2,53   | 2,38   | 1,60            |
| 552 | 14:28:41 | 0,26            | 0,39            | 0,70            | 5,09                     | 4,71                     | 23,23                    | 1,85   | 1,20   | 3,22   | 0,97            |
| 553 | 14:28:46 | 0,16            | 0,36            | 0,43            | 5,09                     | 4,71                     | 23,23                    | 2,41   | 1,63   | 2,09   | 0,70            |
| 554 | 14:28:51 | 0,12            | 0,20            | 0,38            | 5,09                     | 4,71                     | 23,23                    | 2,85   | 2,54   | 3,04   | 0,49            |
| 555 | 14:28:56 | 0,18            | 0,27            | 0,46            | 5,09                     | 4,71                     | 23,23                    | 2,99   | 2,62   | 6,11   | 0,65            |
| 556 | 14:29:01 | 0,22            | 0,30            | 0,83            | 5,09                     | 4,71                     | 23,23                    | 2,24   | 1,10   | 1,69   | 0,98            |
| 557 | 14:29:06 | 0,54            | 0,26            | 1,93            | 5,09                     | 4,71                     | 23,24                    | 1,67   | 0,61   | 1,19   | 2,11            |
| 558 | 14:29:11 | 0,61            | 0,17            | 0,96            | 5,10                     | 4,71                     | 23,24                    | 0,72   | 1,46   | 0,56   | 1,31            |
| 559 | 14:29:16 | 0,23            | 0,03            | 0,12            | 5,10                     | 4,71                     | 23,24                    | 0,72   | 1,77   | 1,06   | 0,34            |
| 560 | 14:29:21 | 0,03            | 0,02            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 0,89   | 3,11   | 2,11   | 0,06            |
| 561 | 14:29:26 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,77   | 1,90   | 2,56   | 0,04            |
| 562 | 14:29:31 | 0,04            | 0,12            | 0,07            | 5,10                     | 4,71                     | 23,24                    | 2,93   | 2,90   | 3,98   | 0,19            |
| 563 | 14:29:36 | 0,02            | 0,03            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 0,65   | 0,61   | 2,34   | 0,06            |
| 564 | 14:29:41 | 0,01            | 0,02            | 0,04            | 5,10                     | 4,71                     | 23,24                    | 1,35   | 0,73   | 1,98   | 0,05            |
| 565 | 14:29:46 | 0,01            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 1,44   | 1,43   | 3,26   | 0,03            |
| 566 | 14:29:51 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,60   | 1,57   | 3,03   | 0,03            |
| 567 | 14:29:56 | 0,00            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 3,50   | 2,18   | 2,38   | 0,02            |
| 568 | 14:30:01 | 0,01            | 0,01            | 0,04            | 5,10                     | 4,71                     | 23,24                    | 1,80   | 1,45   | 1,52   | 0,05            |
| 569 | 14:30:06 | 0,00            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 2,65   | 1,45   | 2,70   | 0,02            |
| 570 | 14:30:11 | 0,01            | 0,00            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 1,89   | 1,47   | 2,49   | 0,03            |
| 571 | 14:30:16 | 0,02            | 0,02            | 0,05            | 5,10                     | 4,71                     | 23,24                    | 0,72   | 0,84   | 1,68   | 0,06            |
| 572 | 14:30:21 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 2,18   | 1,05   | 1,67   | 0,03            |
| 573 | 14:30:26 | 0,00            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 1,99   | 2,23   | 1,91   | 0,02            |
| 574 | 14:30:31 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 2,84   | 2,61   | 5,47   | 0,03            |
| 575 | 14:30:36 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,66   | 1,55   | 2,78   | 0,03            |
| 576 | 14:30:41 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,65   | 0,82   | 1,70   | 0,04            |
| 577 | 14:30:46 | 0,01            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 1,29   | 1,94   | 2,44   | 0,02            |
| 578 | 14:30:51 | 0,00            | 0,00            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 2,88   | 1,73   | 2,64   | 0,02            |
| 579 | 14:30:56 | 0,01            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 2,25   | 2,08   | 2,10   | 0,03            |
| 580 | 14:31:01 | 0,00            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 1,91   | 1,25   | 2,30   | 0,03            |
| 581 | 14:31:06 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,91   | 1,79   | 1,90   | 0,03            |
| 582 | 14:31:11 | 0,01            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 3,89   | 2,16   | 2,86   | 0,03            |
| 583 | 14:31:16 | 0,01            | 0,01            | 0,02            | 5,10                     | 4,71                     | 23,24                    | 0,80   | 1,28   | 1,91   | 0,03            |
| 584 | 14:31:21 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,97   | 1,55   | 1,71   | 0,04            |
| 585 | 14:31:26 | 0,04            | 0,04            | 0,06            | 5,10                     | 4,71                     | 23,24                    | 2,16   | 2,19   | 2,42   | 0,10            |
| 586 | 14:31:31 | 0,04            | 0,08            | 0,07            | 5,10                     | 4,71                     | 23,24                    | 0,23   | 0,33   | 0,74   | 0,15            |
| 587 | 14:31:36 | 0,12            | 0,20            | 0,15            | 5,10                     | 4,71                     | 23,24                    | 2,45   | 1,40   | 1,66   | 0,36            |
| 588 | 14:31:41 | 0,03            | 0,08            | 0,06            | 5,10                     | 4,71                     | 23,24                    | 0,55   | 0,89   | 1,80   | 0,14            |
| 589 | 14:31:46 | 0,01            | 0,01            | 0,03            | 5,10                     | 4,71                     | 23,24                    | 1,25   | 1,64   | 1,58   | 0,04            |
| 590 | 14:31:51 | 0,09            | 0,12            | 0,16            | 5,10                     | 4,71                     | 23,24                    | 1,18   | 1,85   | 1,85   | 0,26            |
| 591 | 14:31:56 | 0,06            | 0,06            | 0,10            | 5,10                     | 4,71                     | 23,24                    | 2,35   | 2,28   | 1,83   | 0,15            |
| 592 | 14:32:01 | 1,00            | 0,33            | 2,32            | 5,12                     | 4,71                     | 23,25                    | 2,32   | 3,74   | 3,35   | 2,75            |
| 593 | 14:32:06 | 0,44            | 0,31            | 1,14            | 5,12                     | 4,71                     | 23,25                    | 1,72   | 2,19   | 1,30   | 1,36            |
| 594 | 14:32:11 | 0,26            | 0,43            | 0,62            | 5,12                     | 4,72                     | 23,25                    | 1,83   | 1,61   | 2,51   | 0,94            |
| 595 | 14:32:17 | 0,20            | 0,56            | 0,57            | 5,12                     | 4,72                     | 23,25                    | 2,31   | 2,04   | 2,70   | 1,01            |
| 596 | 14:32:22 | 0,29            | 0,36            | 0,94            | 5,12                     | 4,72                     | 23,25                    | 2,62   | 3,03   | 2,62   | 1,14            |
| 597 | 14:32:27 | 0,46            | 0,57            | 1,12            | 5,12                     | 4,72                     | 23,25                    | 2,69   | 1,30   | 2,82   | 1,52            |
| 598 | 14:32:32 | 0,52            | 0,44            | 0,72            | 5,12                     | 4,72                     | 23,25                    | 0,69   | 2,94   | 3,02   | 1,19            |
| 599 | 14:32:37 | 0,56            | 0,53            | 0,72            | 5,13                     | 4,73                     | 23,25                    | 1,41   | 1,21   | 1,90   | 1,30            |
| 600 | 14:32:42 | 0,67            | 0,26            | 1,37            | 5,14                     | 4,73                     | 23,25                    | 1,09   | 3,42   | 2,15   | 1,70            |
| 601 | 14:32:47 | 0,33            | 0,37            | 0,69            | 5,14                     | 4,73                     | 23,25                    | 2,13   | 2,25   | 1,79   | 0,98            |
| 602 | 14:32:52 | 0,39            | 0,39            | 0,57            | 5,14                     | 4,73                     | 23,25                    | 2,17   | 1,86   | 3,76   | 0,96            |
| 603 | 14:32:57 | 0,57            | 0,38            | 0,74            | 5,14                     | 4,73                     | 23,25                    | 0,90   | 1,64   | 1,04   | 1,21            |
| 604 | 14:33:02 | 0,44            | 0,47            | 0,74            | 5,14                     | 4,73                     | 23,25                    | 1,17   | 2,07   | 1,74   | 1,16            |
| 605 | 14:33:07 | 0,87            | 0,38            | 1,55            | 5,16                     | 4,73                     | 23,26                    | 0,46   | 2,22   | 1,66   | 2,04            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mc}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 606 | 14:33:12 | 0,46            | 0,52            | 0,88            | 5,17                     | 4,75                     | 23,26                    | 0,76   | 1,75   | 1,90   | 1,31            |
| 607 | 14:33:17 | 0,32            | 0,37            | 0,66            | 5,17                     | 4,75                     | 23,26                    | 5,19   | 2,42   | 6,97   | 0,95            |
| 608 | 14:33:22 | 0,49            | 0,27            | 0,54            | 5,17                     | 4,75                     | 23,26                    | 1,22   | 2,38   | 2,87   | 0,95            |
| 609 | 14:33:27 | 0,49            | 0,28            | 1,03            | 5,17                     | 4,75                     | 23,26                    | 4,58   | 1,61   | 6,00   | 1,30            |
| 610 | 14:33:32 | 0,58            | 0,33            | 0,76            | 5,18                     | 4,75                     | 23,26                    | 1,51   | 2,49   | 2,94   | 1,20            |
| 611 | 14:33:37 | 0,36            | 0,44            | 0,93            | 5,18                     | 4,76                     | 23,26                    | 1,94   | 4,14   | 1,32   | 1,22            |
| 612 | 14:33:42 | 0,55            | 0,69            | 1,19            | 5,18                     | 4,76                     | 23,26                    | 2,41   | 2,80   | 1,54   | 1,72            |
| 613 | 14:33:47 | 0,56            | 0,98            | 0,99            | 5,19                     | 4,78                     | 23,26                    | 1,56   | 1,04   | 1,81   | 1,86            |
| 614 | 14:33:52 | 0,37            | 0,70            | 1,01            | 5,19                     | 4,78                     | 23,26                    | 2,64   | 1,15   | 1,91   | 1,50            |
| 615 | 14:33:57 | 0,47            | 0,67            | 0,97            | 5,19                     | 4,80                     | 23,26                    | 2,72   | 1,21   | 3,64   | 1,50            |
| 616 | 14:34:02 | 0,49            | 0,48            | 0,67            | 5,19                     | 4,80                     | 23,26                    | 1,10   | 1,88   | 2,25   | 1,17            |
| 617 | 14:34:07 | 0,42            | 0,47            | 0,64            | 5,19                     | 4,80                     | 23,26                    | 1,07   | 1,60   | 2,10   | 1,09            |
| 618 | 14:34:12 | 0,33            | 0,52            | 0,48            | 5,19                     | 4,81                     | 23,26                    | 1,22   | 1,94   | 2,24   | 0,99            |
| 619 | 14:34:17 | 0,38            | 0,51            | 0,86            | 5,19                     | 4,81                     | 23,26                    | 1,82   | 2,02   | 1,88   | 1,24            |
| 620 | 14:34:22 | 0,38            | 0,70            | 0,75            | 5,19                     | 4,82                     | 23,26                    | 1,85   | 0,84   | 1,66   | 1,34            |
| 621 | 14:34:27 | 0,30            | 0,31            | 0,78            | 5,19                     | 4,82                     | 23,26                    | 3,59   | 2,36   | 3,90   | 0,98            |
| 622 | 14:34:32 | 0,27            | 0,26            | 0,57            | 5,19                     | 4,82                     | 23,26                    | 0,93   | 1,71   | 2,90   | 0,78            |
| 623 | 14:34:37 | 0,25            | 0,32            | 0,44            | 5,19                     | 4,82                     | 23,26                    | 3,89   | 4,86   | 2,83   | 0,71            |
| 624 | 14:34:42 | 0,72            | 0,35            | 0,72            | 5,21                     | 4,82                     | 23,27                    | 0,54   | 2,45   | 1,67   | 1,33            |
| 625 | 14:34:47 | 0,20            | 0,37            | 0,40            | 5,21                     | 4,82                     | 23,27                    | 1,79   | 1,38   | 1,47   | 0,72            |
| 626 | 14:34:52 | 0,64            | 0,41            | 0,65            | 5,21                     | 4,82                     | 23,27                    | 1,97   | 1,11   | 1,90   | 1,24            |
| 627 | 14:34:57 | 0,23            | 0,35            | 0,46            | 5,21                     | 4,82                     | 23,27                    | 2,06   | 2,10   | 1,98   | 0,74            |
| 628 | 14:35:02 | 0,25            | 0,25            | 0,42            | 5,21                     | 4,82                     | 23,27                    | 3,45   | 1,82   | 2,76   | 0,65            |
| 629 | 14:35:07 | 0,17            | 0,20            | 0,40            | 5,21                     | 4,82                     | 23,27                    | 1,49   | 1,78   | 1,72   | 0,55            |
| 630 | 14:35:12 | 0,17            | 0,26            | 0,44            | 5,21                     | 4,82                     | 23,27                    | 1,61   | 2,71   | 2,05   | 0,62            |
| 631 | 14:35:17 | 0,75            | 0,35            | 1,63            | 5,23                     | 4,82                     | 23,27                    | 4,48   | 4,04   | 4,81   | 2,00            |
| 632 | 14:35:22 | 1,00            | 0,24            | 1,63            | 5,25                     | 4,82                     | 23,28                    | 1,32   | 1,41   | 0,56   | 2,17            |
| 633 | 14:35:27 | 0,67            | 0,24            | 0,80            | 5,25                     | 4,82                     | 23,28                    | 0,93   | 3,04   | 1,66   | 1,27            |
| 634 | 14:35:32 | 0,51            | 0,27            | 0,75            | 5,25                     | 4,82                     | 23,28                    | 0,56   | 1,64   | 0,90   | 1,10            |
| 635 | 14:35:37 | 0,34            | 0,51            | 0,72            | 5,25                     | 4,82                     | 23,28                    | 2,06   | 1,12   | 2,61   | 1,12            |
| 636 | 14:35:42 | 0,29            | 0,28            | 0,57            | 5,25                     | 4,82                     | 23,28                    | 1,96   | 3,18   | 4,00   | 0,80            |
| 637 | 14:35:47 | 0,35            | 0,43            | 0,67            | 5,25                     | 4,82                     | 23,28                    | 1,83   | 1,03   | 2,51   | 1,03            |
| 638 | 14:35:52 | 0,45            | 0,61            | 0,95            | 5,26                     | 4,83                     | 23,28                    | 4,82   | 1,70   | 5,11   | 1,42            |
| 639 | 14:35:57 | 0,47            | 0,98            | 1,02            | 5,26                     | 4,85                     | 23,28                    | 1,46   | 0,90   | 2,07   | 1,84            |
| 640 | 14:36:02 | 0,44            | 0,66            | 0,86            | 5,26                     | 4,86                     | 23,28                    | 3,74   | 3,43   | 5,45   | 1,40            |
| 641 | 14:36:07 | 0,57            | 0,89            | 0,64            | 5,26                     | 4,87                     | 23,28                    | 2,63   | 2,27   | 2,30   | 1,61            |
| 642 | 14:36:12 | 0,60            | 0,88            | 1,07            | 5,26                     | 4,89                     | 23,28                    | 1,78   | 0,92   | 1,78   | 1,84            |
| 643 | 14:36:17 | 0,28            | 0,39            | 0,62            | 5,26                     | 4,89                     | 23,28                    | 2,23   | 2,66   | 2,14   | 0,91            |
| 644 | 14:36:22 | 0,25            | 0,36            | 0,53            | 5,26                     | 4,89                     | 23,28                    | 1,19   | 2,53   | 2,35   | 0,81            |
| 645 | 14:36:27 | 0,19            | 0,38            | 0,61            | 5,26                     | 4,89                     | 23,28                    | 2,93   | 2,38   | 2,73   | 0,85            |
| 646 | 14:36:32 | 0,33            | 0,43            | 0,59            | 5,26                     | 4,89                     | 23,28                    | 2,72   | 2,34   | 3,02   | 0,96            |
| 647 | 14:36:37 | 0,36            | 0,41            | 0,59            | 5,26                     | 4,89                     | 23,28                    | 1,27   | 2,01   | 2,51   | 0,97            |
| 648 | 14:36:42 | 0,28            | 0,39            | 0,67            | 5,26                     | 4,89                     | 23,28                    | 2,14   | 1,25   | 1,88   | 0,94            |
| 649 | 14:36:47 | 0,22            | 0,29            | 0,54            | 5,26                     | 4,89                     | 23,28                    | 2,24   | 2,42   | 1,55   | 0,74            |
| 650 | 14:36:52 | 0,18            | 0,21            | 0,38            | 5,26                     | 4,89                     | 23,28                    | 1,94   | 2,39   | 2,65   | 0,54            |
| 651 | 14:36:57 | 0,20            | 0,26            | 0,53            | 5,26                     | 4,89                     | 23,28                    | 2,68   | 1,84   | 2,56   | 0,70            |
| 652 | 14:37:02 | 0,26            | 0,36            | 0,75            | 5,26                     | 4,89                     | 23,28                    | 2,36   | 2,83   | 2,04   | 0,97            |
| 653 | 14:37:07 | 0,45            | 0,33            | 0,80            | 5,27                     | 4,89                     | 23,28                    | 3,07   | 1,39   | 1,54   | 1,12            |
| 654 | 14:37:12 | 0,55            | 0,53            | 0,59            | 5,27                     | 4,89                     | 23,28                    | 0,90   | 2,18   | 2,19   | 1,23            |
| 655 | 14:37:17 | 0,27            | 0,38            | 0,37            | 5,27                     | 4,90                     | 23,28                    | 2,80   | 1,94   | 2,68   | 0,74            |
| 656 | 14:37:22 | 0,50            | 0,29            | 0,39            | 5,27                     | 4,90                     | 23,28                    | 2,30   | 3,34   | 2,20   | 0,90            |
| 657 | 14:37:27 | 0,28            | 0,35            | 0,34            | 5,27                     | 4,90                     | 23,28                    | 2,51   | 2,16   | 2,90   | 0,71            |
| 658 | 14:37:32 | 0,51            | 0,39            | 0,80            | 5,28                     | 4,90                     | 23,28                    | 1,75   | 2,78   | 1,35   | 1,20            |
| 659 | 14:37:37 | 0,24            | 0,36            | 0,45            | 5,28                     | 4,90                     | 23,28                    | 1,28   | 1,91   | 2,50   | 0,75            |
| 660 | 14:37:42 | 0,37            | 0,42            | 0,44            | 5,28                     | 4,90                     | 23,28                    | 1,65   | 0,83   | 1,54   | 0,90            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 661 | 14:37:47 | 0,57            | 0,23            | 0,40            | 5,28                     | 4,90                     | 23,28                    | 1,29   | 1,28   | 2,07   | 0,95            |
| 662 | 14:37:52 | 0,16            | 0,25            | 0,41            | 5,28                     | 4,90                     | 23,28                    | 2,22   | 2,65   | 3,04   | 0,58            |
| 663 | 14:37:57 | 0,63            | 0,38            | 0,78            | 5,28                     | 4,90                     | 23,28                    | 1,86   | 1,81   | 2,98   | 1,29            |
| 664 | 14:38:02 | 0,25            | 0,28            | 0,35            | 5,28                     | 4,90                     | 23,28                    | 1,68   | 2,25   | 1,88   | 0,63            |
| 665 | 14:38:07 | 0,38            | 0,30            | 0,49            | 5,28                     | 4,90                     | 23,28                    | 0,73   | 1,90   | 1,71   | 0,83            |
| 666 | 14:38:12 | 0,58            | 0,33            | 0,48            | 5,29                     | 4,90                     | 23,28                    | 0,90   | 2,73   | 2,91   | 1,05            |
| 667 | 14:38:17 | 0,12            | 0,24            | 0,47            | 5,29                     | 4,90                     | 23,28                    | 2,18   | 2,34   | 2,02   | 0,60            |
| 668 | 14:38:22 | 0,20            | 0,28            | 0,39            | 5,29                     | 4,90                     | 23,28                    | 2,49   | 2,86   | 2,87   | 0,62            |
| 669 | 14:38:27 | 0,57            | 0,32            | 0,63            | 5,29                     | 4,90                     | 23,28                    | 0,53   | 1,88   | 1,18   | 1,11            |
| 670 | 14:38:32 | 0,29            | 0,32            | 0,47            | 5,29                     | 4,90                     | 23,28                    | 2,61   | 3,47   | 2,64   | 0,77            |
| 671 | 14:38:37 | 0,44            | 0,32            | 0,62            | 5,29                     | 4,90                     | 23,28                    | 1,11   | 1,90   | 1,83   | 0,98            |
| 672 | 14:38:42 | 0,14            | 0,21            | 0,55            | 5,29                     | 4,90                     | 23,28                    | 2,63   | 2,40   | 2,22   | 0,65            |
| 673 | 14:38:47 | 0,11            | 0,37            | 0,41            | 5,29                     | 4,90                     | 23,28                    | 1,33   | 2,78   | 2,07   | 0,68            |
| 674 | 14:38:52 | 0,74            | 0,43            | 1,12            | 5,30                     | 4,90                     | 23,28                    | 2,58   | 2,68   | 5,99   | 1,64            |
| 675 | 14:38:57 | 0,47            | 0,49            | 0,32            | 5,30                     | 4,90                     | 23,28                    | 0,91   | 1,11   | 1,97   | 1,01            |
| 676 | 14:39:02 | 0,56            | 0,41            | 0,54            | 5,30                     | 4,91                     | 23,28                    | 1,67   | 2,60   | 2,85   | 1,11            |
| 677 | 14:39:07 | 0,31            | 0,50            | 0,73            | 5,30                     | 4,91                     | 23,28                    | 0,94   | 0,82   | 1,23   | 1,11            |
| 678 | 14:39:12 | 0,27            | 0,17            | 0,46            | 5,30                     | 4,91                     | 23,28                    | 0,91   | 2,44   | 1,28   | 0,64            |
| 679 | 14:39:17 | 0,45            | 0,23            | 0,36            | 5,31                     | 4,91                     | 23,28                    | 3,06   | 3,22   | 3,10   | 0,80            |
| 680 | 14:39:22 | 0,40            | 0,30            | 0,44            | 5,31                     | 4,91                     | 23,28                    | 2,22   | 2,46   | 2,42   | 0,82            |
| 681 | 14:39:27 | 0,18            | 0,33            | 0,31            | 5,31                     | 4,91                     | 23,28                    | 1,98   | 2,00   | 2,84   | 0,61            |
| 682 | 14:39:32 | 0,75            | 0,28            | 1,26            | 5,32                     | 4,91                     | 23,29                    | 0,37   | 1,47   | 0,48   | 1,69            |
| 683 | 14:39:37 | 0,55            | 0,37            | 0,51            | 5,32                     | 4,91                     | 23,29                    | 0,79   | 1,15   | 1,87   | 1,06            |
| 684 | 14:39:42 | 0,49            | 0,32            | 0,59            | 5,32                     | 4,91                     | 23,29                    | 0,91   | 2,09   | 2,39   | 1,01            |
| 685 | 14:39:47 | 0,28            | 0,23            | 0,60            | 5,32                     | 4,91                     | 23,29                    | 0,96   | 1,72   | 1,38   | 0,79            |
| 686 | 14:39:52 | 0,55            | 0,43            | 0,57            | 5,32                     | 4,91                     | 23,29                    | 2,15   | 2,82   | 1,86   | 1,14            |
| 687 | 14:39:57 | 0,44            | 0,32            | 0,56            | 5,32                     | 4,91                     | 23,29                    | 0,78   | 2,10   | 2,06   | 0,94            |
| 688 | 14:40:02 | 0,42            | 0,37            | 0,52            | 5,33                     | 4,91                     | 23,29                    | 1,45   | 1,43   | 2,31   | 0,94            |
| 689 | 14:40:07 | 0,23            | 0,30            | 0,32            | 5,33                     | 4,91                     | 23,29                    | 1,80   | 1,32   | 2,40   | 0,62            |
| 690 | 14:40:12 | 0,43            | 0,29            | 0,42            | 5,33                     | 4,91                     | 23,29                    | 1,21   | 1,57   | 1,80   | 0,84            |
| 691 | 14:40:17 | 0,14            | 0,28            | 0,50            | 5,33                     | 4,91                     | 23,29                    | 1,77   | 1,84   | 2,85   | 0,67            |
| 692 | 14:40:22 | 0,29            | 0,41            | 0,86            | 5,33                     | 4,91                     | 23,29                    | 3,09   | 2,95   | 2,66   | 1,11            |
| 693 | 14:40:27 | 0,53            | 0,41            | 0,56            | 5,33                     | 4,91                     | 23,29                    | 1,77   | 2,06   | 2,31   | 1,09            |
| 694 | 14:40:32 | 0,24            | 0,32            | 0,68            | 5,33                     | 4,91                     | 23,29                    | 1,27   | 1,99   | 2,04   | 0,88            |
| 695 | 14:40:37 | 0,70            | 0,42            | 0,71            | 5,34                     | 4,91                     | 23,29                    | 2,26   | 2,32   | 1,60   | 1,34            |
| 696 | 14:40:42 | 0,57            | 0,54            | 0,51            | 5,34                     | 4,92                     | 23,29                    | 2,33   | 2,12   | 1,87   | 1,21            |
| 697 | 14:40:47 | 0,41            | 0,47            | 0,49            | 5,34                     | 4,92                     | 23,29                    | 1,10   | 1,66   | 3,02   | 1,00            |
| 698 | 14:40:52 | 0,41            | 0,36            | 0,33            | 5,34                     | 4,92                     | 23,29                    | 1,14   | 2,44   | 2,08   | 0,84            |
| 699 | 14:40:57 | 0,26            | 0,39            | 0,39            | 5,34                     | 4,92                     | 23,29                    | 2,13   | 1,26   | 1,73   | 0,77            |
| 700 | 14:41:02 | 0,63            | 0,40            | 0,57            | 5,34                     | 4,92                     | 23,29                    | 2,47   | 1,14   | 3,63   | 1,20            |
| 701 | 14:41:07 | 0,45            | 0,49            | 0,44            | 5,34                     | 4,92                     | 23,29                    | 1,23   | 1,67   | 1,70   | 1,04            |
| 702 | 14:41:12 | 0,34            | 0,33            | 0,45            | 5,34                     | 4,92                     | 23,29                    | 0,87   | 1,84   | 1,83   | 0,80            |
| 703 | 14:41:17 | 0,51            | 0,26            | 0,44            | 5,35                     | 4,92                     | 23,29                    | 1,51   | 1,07   | 2,31   | 0,91            |
| 704 | 14:41:22 | 0,28            | 0,13            | 0,37            | 5,35                     | 4,92                     | 23,29                    | 2,18   | 1,32   | 1,61   | 0,57            |
| 705 | 14:41:27 | 0,14            | 0,06            | 0,24            | 5,35                     | 4,92                     | 23,29                    | 2,45   | 2,74   | 2,24   | 0,32            |
| 706 | 14:41:32 | 0,36            | 0,16            | 0,39            | 5,35                     | 4,92                     | 23,29                    | 1,38   | 1,61   | 2,42   | 0,67            |
| 707 | 14:41:37 | 0,67            | 0,47            | 0,61            | 5,35                     | 4,92                     | 23,29                    | 0,98   | 1,53   | 1,90   | 1,30            |
| 708 | 14:41:42 | 0,33            | 0,23            | 0,40            | 5,35                     | 4,92                     | 23,29                    | 0,62   | 2,11   | 2,24   | 0,69            |
| 709 | 14:41:47 | 0,42            | 0,33            | 1,43            | 5,36                     | 4,92                     | 23,29                    | 1,99   | 1,31   | 3,76   | 1,61            |
| 710 | 14:41:54 | 0,57            | 0,28            | 0,92            | 5,36                     | 4,92                     | 23,29                    | 1,24   | 2,73   | 0,62   | 1,28            |
| 711 | 14:41:59 | 0,27            | 0,29            | 0,39            | 5,36                     | 4,92                     | 23,29                    | 1,85   | 1,36   | 0,73   | 0,68            |
| 712 | 14:42:04 | 0,35            | 0,17            | 0,16            | 5,36                     | 4,92                     | 23,29                    | 3,04   | 3,32   | 2,10   | 0,57            |
| 713 | 14:42:09 | 0,56            | 0,44            | 0,38            | 5,36                     | 4,93                     | 23,29                    | 0,95   | 1,12   | 1,92   | 1,07            |
| 714 | 14:42:14 | 0,65            | 0,48            | 0,31            | 5,37                     | 4,93                     | 23,29                    | 0,86   | 1,50   | 5,52   | 1,18            |
| 715 | 14:42:19 | 0,75            | 0,52            | 0,62            | 5,37                     | 4,93                     | 23,29                    | 0,98   | 1,01   | 0,67   | 1,42            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 716 | 14:42:24 | 0,40            | 0,26            | 0,30            | 5,37                     | 4,93                     | 23,29                    | 1,64   | 1,62   | 1,55   | 0,73            |
| 717 | 14:42:29 | 0,42            | 0,25            | 0,28            | 5,38                     | 4,93                     | 23,29                    | 2,42   | 1,20   | 1,62   | 0,73            |
| 718 | 14:42:34 | 0,55            | 0,30            | 0,39            | 5,38                     | 4,93                     | 23,29                    | 1,04   | 0,74   | 0,72   | 0,96            |
| 719 | 14:42:39 | 0,51            | 0,41            | 0,27            | 5,38                     | 4,93                     | 23,29                    | 1,79   | 1,88   | 2,71   | 0,95            |
| 720 | 14:42:44 | 0,33            | 0,38            | 0,27            | 5,38                     | 4,93                     | 23,29                    | 0,56   | 0,78   | 1,12   | 0,76            |
| 721 | 14:42:49 | 0,60            | 0,25            | 0,39            | 5,38                     | 4,93                     | 23,29                    | 1,31   | 2,31   | 2,64   | 0,99            |
| 722 | 14:42:54 | 0,36            | 0,40            | 0,38            | 5,39                     | 4,94                     | 23,29                    | 1,82   | 2,01   | 1,90   | 0,85            |
| 723 | 14:42:59 | 0,56            | 0,34            | 0,19            | 5,39                     | 4,94                     | 23,29                    | 1,74   | 1,58   | 2,10   | 0,94            |
| 724 | 14:43:04 | 0,44            | 0,34            | 0,30            | 5,39                     | 4,94                     | 23,29                    | 2,40   | 1,92   | 3,07   | 0,83            |
| 725 | 14:43:09 | 0,66            | 0,38            | 0,27            | 5,39                     | 4,94                     | 23,29                    | 0,73   | 1,31   | 1,81   | 1,10            |
| 726 | 14:43:14 | 0,34            | 0,32            | 0,33            | 5,39                     | 4,94                     | 23,29                    | 3,60   | 1,55   | 4,75   | 0,73            |
| 727 | 14:43:19 | 0,51            | 0,36            | 1,59            | 5,40                     | 4,94                     | 23,29                    | 0,93   | 1,88   | 0,40   | 1,81            |
| 728 | 14:43:24 | 0,58            | 0,38            | 0,57            | 5,40                     | 4,94                     | 23,29                    | 3,36   | 3,23   | 4,57   | 1,13            |
| 729 | 14:43:29 | 0,42            | 0,35            | 0,62            | 5,40                     | 4,94                     | 23,29                    | 1,84   | 1,90   | 1,77   | 0,99            |
| 730 | 14:43:34 | 0,80            | 0,49            | 0,41            | 5,41                     | 4,94                     | 23,29                    | 3,24   | 2,48   | 10,27  | 1,37            |
| 731 | 14:43:39 | 0,77            | 0,36            | 0,64            | 5,45                     | 4,94                     | 23,29                    | 0,45   | 1,61   | 1,74   | 1,36            |
| 732 | 14:43:44 | 0,45            | 0,27            | 0,64            | 5,46                     | 4,94                     | 23,29                    | 2,75   | 3,36   | 2,51   | 0,98            |
| 733 | 14:43:49 | 0,24            | 0,23            | 0,73            | 5,46                     | 4,94                     | 23,29                    | 1,54   | 1,70   | 1,68   | 0,86            |
| 734 | 14:43:54 | 0,62            | 0,45            | 0,72            | 5,46                     | 4,94                     | 23,30                    | 1,53   | 1,77   | 3,36   | 1,30            |
| 735 | 14:43:59 | 0,60            | 0,53            | 0,89            | 5,46                     | 4,95                     | 23,30                    | 1,53   | 1,07   | 4,15   | 1,43            |
| 736 | 14:44:04 | 0,58            | 0,32            | 0,81            | 5,47                     | 4,95                     | 23,30                    | 0,56   | 1,93   | 0,74   | 1,23            |
| 737 | 14:44:09 | 0,81            | 0,38            | 0,59            | 5,48                     | 4,95                     | 23,30                    | 0,51   | 1,11   | 1,51   | 1,38            |
| 738 | 14:44:14 | 0,76            | 0,51            | 0,44            | 5,49                     | 4,95                     | 23,30                    | 0,58   | 1,40   | 1,65   | 1,35            |
| 739 | 14:44:19 | 0,15            | 0,14            | 0,33            | 5,49                     | 4,95                     | 23,30                    | 1,57   | 0,88   | 1,93   | 0,44            |
| 740 | 14:44:24 | 0,32            | 0,23            | 0,43            | 5,49                     | 4,95                     | 23,30                    | 1,86   | 1,96   | 2,66   | 0,70            |
| 741 | 14:44:29 | 0,54            | 0,43            | 0,82            | 5,49                     | 4,95                     | 23,30                    | 2,08   | 1,65   | 2,06   | 1,27            |
| 742 | 14:44:34 | 0,33            | 0,50            | 0,41            | 5,49                     | 4,95                     | 23,30                    | 0,82   | 1,32   | 2,83   | 0,93            |
| 743 | 14:44:39 | 0,31            | 0,28            | 0,38            | 5,49                     | 4,95                     | 23,30                    | 1,10   | 1,98   | 2,25   | 0,70            |
| 744 | 14:44:44 | 0,17            | 0,26            | 0,48            | 5,49                     | 4,95                     | 23,30                    | 1,96   | 1,62   | 2,32   | 0,65            |
| 745 | 14:44:49 | 0,57            | 0,36            | 0,73            | 5,50                     | 4,95                     | 23,30                    | 1,01   | 1,91   | 2,75   | 1,19            |
| 746 | 14:44:54 | 0,50            | 0,44            | 0,55            | 5,50                     | 4,96                     | 23,30                    | 1,16   | 1,79   | 1,56   | 1,09            |
| 747 | 14:44:59 | 0,57            | 0,45            | 0,71            | 5,50                     | 4,96                     | 23,30                    | 2,14   | 1,19   | 1,38   | 1,24            |
| 748 | 14:45:04 | 0,25            | 0,30            | 0,37            | 5,50                     | 4,96                     | 23,30                    | 1,49   | 3,23   | 2,61   | 0,66            |
| 749 | 14:45:09 | 0,40            | 0,32            | 0,55            | 5,50                     | 4,96                     | 23,30                    | 3,45   | 3,79   | 2,66   | 0,90            |
| 750 | 14:45:14 | 0,31            | 0,43            | 0,48            | 5,50                     | 4,96                     | 23,30                    | 1,31   | 1,76   | 2,56   | 0,89            |
| 751 | 14:45:19 | 0,34            | 0,32            | 0,41            | 5,50                     | 4,96                     | 23,30                    | 0,89   | 2,52   | 1,97   | 0,77            |
| 752 | 14:45:24 | 0,22            | 0,28            | 0,59            | 5,50                     | 4,96                     | 23,30                    | 2,05   | 1,53   | 3,71   | 0,78            |
| 753 | 14:45:29 | 0,68            | 0,47            | 0,73            | 5,51                     | 4,96                     | 23,30                    | 2,31   | 3,59   | 2,81   | 1,36            |
| 754 | 14:45:34 | 0,38            | 0,73            | 0,52            | 5,51                     | 4,97                     | 23,30                    | 1,43   | 1,24   | 1,81   | 1,26            |
| 755 | 14:45:39 | 0,32            | 0,40            | 0,51            | 5,51                     | 4,97                     | 23,30                    | 0,60   | 1,00   | 1,58   | 0,87            |
| 756 | 14:45:44 | 0,49            | 0,43            | 0,43            | 5,51                     | 4,97                     | 23,30                    | 1,04   | 1,63   | 2,39   | 1,01            |
| 757 | 14:45:49 | 0,22            | 0,30            | 0,43            | 5,51                     | 4,97                     | 23,30                    | 1,99   | 2,86   | 1,44   | 0,68            |
| 758 | 14:45:54 | 0,56            | 0,35            | 0,45            | 5,52                     | 4,97                     | 23,30                    | 1,92   | 2,53   | 2,94   | 1,02            |
| 759 | 14:45:59 | 0,28            | 0,46            | 0,43            | 5,52                     | 4,97                     | 23,30                    | 1,18   | 1,61   | 1,68   | 0,86            |
| 760 | 14:46:04 | 0,48            | 0,27            | 0,48            | 5,52                     | 4,97                     | 23,30                    | 1,82   | 1,24   | 2,30   | 0,91            |
| 761 | 14:46:09 | 0,27            | 0,32            | 0,39            | 5,52                     | 4,97                     | 23,30                    | 1,39   | 1,50   | 2,50   | 0,70            |
| 762 | 14:46:14 | 0,53            | 0,42            | 0,63            | 5,52                     | 4,97                     | 23,30                    | 2,79   | 2,67   | 2,99   | 1,14            |
| 763 | 14:46:19 | 0,37            | 0,47            | 0,68            | 5,52                     | 4,97                     | 23,30                    | 1,83   | 1,33   | 3,51   | 1,08            |
| 764 | 14:46:24 | 0,54            | 0,37            | 0,49            | 5,52                     | 4,97                     | 23,30                    | 2,07   | 1,91   | 2,04   | 1,04            |
| 765 | 14:46:29 | 0,20            | 0,29            | 0,40            | 5,52                     | 4,97                     | 23,30                    | 1,60   | 2,04   | 2,28   | 0,63            |
| 766 | 14:46:34 | 0,28            | 0,37            | 0,43            | 5,52                     | 4,97                     | 23,30                    | 2,43   | 2,09   | 2,70   | 0,77            |
| 767 | 14:46:39 | 0,45            | 0,34            | 0,64            | 5,52                     | 4,98                     | 23,30                    | 1,67   | 3,71   | 1,27   | 1,02            |
| 768 | 14:46:44 | 0,37            | 0,30            | 0,57            | 5,52                     | 4,98                     | 23,30                    | 2,06   | 1,90   | 2,08   | 0,88            |
| 769 | 14:46:49 | 0,21            | 0,46            | 0,55            | 5,52                     | 4,98                     | 23,30                    | 2,46   | 1,05   | 2,62   | 0,90            |
| 770 | 14:46:54 | 0,24            | 0,48            | 0,53            | 5,52                     | 4,98                     | 23,30                    | 1,73   | 0,89   | 2,00   | 0,92            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 771 | 14:46:59 | 0,33            | 0,39            | 0,86            | 5,52                     | 4,98                     | 23,30                    | 2,84   | 2,40   | 2,63   | 1,11            |
| 772 | 14:47:04 | 0,55            | 0,58            | 0,91            | 5,53                     | 4,98                     | 23,30                    | 2,48   | 2,16   | 1,62   | 1,44            |
| 773 | 14:47:09 | 0,37            | 0,70            | 0,79            | 5,53                     | 4,99                     | 23,30                    | 2,16   | 1,46   | 2,27   | 1,35            |
| 774 | 14:47:14 | 0,39            | 0,73            | 0,81            | 5,53                     | 5,00                     | 23,30                    | 2,55   | 2,14   | 2,27   | 1,42            |
| 775 | 14:47:19 | 0,41            | 0,56            | 0,78            | 5,53                     | 5,00                     | 23,30                    | 2,33   | 1,83   | 3,53   | 1,24            |
| 776 | 14:47:24 | 0,53            | 0,75            | 0,95            | 5,53                     | 5,03                     | 23,30                    | 1,13   | 2,39   | 3,21   | 1,60            |
| 777 | 14:47:29 | 0,36            | 0,54            | 0,86            | 5,53                     | 5,03                     | 23,30                    | 2,11   | 1,62   | 2,12   | 1,26            |
| 778 | 14:47:34 | 0,42            | 0,62            | 1,05            | 5,53                     | 5,04                     | 23,30                    | 2,02   | 1,36   | 2,47   | 1,49            |
| 779 | 14:47:39 | 0,49            | 0,48            | 1,44            | 5,53                     | 5,04                     | 23,30                    | 2,85   | 2,24   | 3,31   | 1,73            |
| 780 | 14:47:44 | 0,47            | 0,62            | 0,97            | 5,53                     | 5,04                     | 23,30                    | 1,53   | 1,40   | 1,93   | 1,46            |
| 781 | 14:47:49 | 0,31            | 0,43            | 0,59            | 5,53                     | 5,04                     | 23,30                    | 2,20   | 2,82   | 2,31   | 0,94            |
| 782 | 14:47:54 | 0,39            | 0,37            | 0,66            | 5,53                     | 5,04                     | 23,30                    | 1,30   | 2,62   | 2,57   | 1,00            |
| 783 | 14:47:59 | 0,31            | 0,43            | 0,66            | 5,53                     | 5,04                     | 23,30                    | 2,19   | 3,03   | 2,75   | 0,99            |
| 784 | 14:48:04 | 0,29            | 0,42            | 0,79            | 5,53                     | 5,05                     | 23,30                    | 1,61   | 1,17   | 1,59   | 1,07            |
| 785 | 14:48:09 | 0,27            | 0,37            | 0,58            | 5,53                     | 5,05                     | 23,30                    | 2,29   | 2,97   | 1,94   | 0,86            |
| 786 | 14:48:14 | 0,22            | 0,31            | 0,56            | 5,53                     | 5,05                     | 23,30                    | 2,39   | 2,78   | 2,08   | 0,77            |
| 787 | 14:48:19 | 0,25            | 0,27            | 0,62            | 5,53                     | 5,05                     | 23,30                    | 1,83   | 3,18   | 1,99   | 0,81            |
| 788 | 14:48:24 | 0,39            | 0,50            | 1,03            | 5,53                     | 5,05                     | 23,30                    | 1,47   | 2,47   | 2,48   | 1,36            |
| 789 | 14:48:29 | 0,88            | 0,73            | 0,88            | 5,54                     | 5,06                     | 23,30                    | 1,06   | 2,44   | 1,90   | 1,83            |
| 790 | 14:48:34 | 0,61            | 1,05            | 0,57            | 5,54                     | 5,08                     | 23,30                    | 1,39   | 0,63   | 2,20   | 1,80            |
| 791 | 14:48:39 | 0,37            | 0,33            | 0,39            | 5,54                     | 5,08                     | 23,30                    | 1,57   | 2,78   | 2,28   | 0,80            |
| 792 | 14:48:44 | 0,48            | 0,47            | 0,65            | 5,54                     | 5,08                     | 23,30                    | 3,37   | 3,38   | 6,27   | 1,15            |
| 793 | 14:48:49 | 0,61            | 0,59            | 0,63            | 5,55                     | 5,09                     | 23,30                    | 1,25   | 2,01   | 1,30   | 1,34            |
| 794 | 14:48:54 | 0,50            | 0,53            | 0,40            | 5,55                     | 5,09                     | 23,30                    | 2,39   | 3,17   | 4,05   | 1,09            |
| 795 | 14:48:59 | 0,59            | 0,43            | 0,43            | 5,56                     | 5,09                     | 23,30                    | 1,85   | 1,74   | 1,91   | 1,10            |
| 796 | 14:49:04 | 0,59            | 0,64            | 0,71            | 5,56                     | 5,09                     | 23,30                    | 1,37   | 1,03   | 1,38   | 1,41            |
| 797 | 14:49:09 | 0,42            | 0,38            | 0,43            | 5,56                     | 5,10                     | 23,30                    | 1,10   | 1,60   | 2,13   | 0,90            |
| 798 | 14:49:14 | 0,45            | 0,44            | 0,63            | 5,56                     | 5,10                     | 23,30                    | 5,80   | 1,94   | 3,75   | 1,08            |
| 799 | 14:49:19 | 0,71            | 0,73            | 0,76            | 5,57                     | 5,10                     | 23,30                    | 1,63   | 2,90   | 4,39   | 1,61            |
| 800 | 14:49:24 | 0,37            | 0,74            | 0,74            | 5,57                     | 5,11                     | 23,30                    | 1,11   | 1,09   | 1,78   | 1,37            |
| 801 | 14:49:29 | 0,29            | 0,42            | 0,73            | 5,57                     | 5,11                     | 23,30                    | 2,78   | 1,42   | 3,99   | 1,02            |
| 802 | 14:49:34 | 0,33            | 0,29            | 0,59            | 5,57                     | 5,11                     | 23,30                    | 1,71   | 2,46   | 2,11   | 0,85            |
| 803 | 14:49:39 | 0,24            | 0,39            | 0,60            | 5,57                     | 5,11                     | 23,30                    | 2,04   | 1,73   | 2,22   | 0,88            |
| 804 | 14:49:44 | 0,22            | 0,44            | 0,60            | 5,57                     | 5,11                     | 23,30                    | 3,55   | 1,94   | 2,52   | 0,92            |
| 805 | 14:49:49 | 0,24            | 0,36            | 0,57            | 5,57                     | 5,11                     | 23,30                    | 2,86   | 1,94   | 2,40   | 0,83            |
| 806 | 14:49:54 | 0,38            | 0,33            | 0,68            | 5,57                     | 5,11                     | 23,30                    | 3,14   | 3,57   | 2,65   | 0,98            |
| 807 | 14:49:59 | 0,41            | 0,35            | 0,67            | 5,57                     | 5,11                     | 23,30                    | 1,55   | 2,05   | 3,29   | 1,00            |
| 808 | 14:50:04 | 0,24            | 0,28            | 0,62            | 5,57                     | 5,11                     | 23,30                    | 3,27   | 2,46   | 3,17   | 0,81            |
| 809 | 14:50:09 | 0,25            | 0,30            | 0,47            | 5,57                     | 5,11                     | 23,30                    | 3,10   | 2,65   | 2,37   | 0,72            |
| 810 | 14:50:14 | 0,21            | 0,23            | 0,39            | 5,57                     | 5,11                     | 23,30                    | 1,85   | 1,81   | 2,68   | 0,58            |
| 811 | 14:50:19 | 0,21            | 0,24            | 0,49            | 5,57                     | 5,11                     | 23,30                    | 2,57   | 2,41   | 2,97   | 0,66            |
| 812 | 14:50:24 | 0,29            | 0,33            | 0,58            | 5,57                     | 5,11                     | 23,30                    | 1,80   | 1,71   | 2,33   | 0,85            |
| 813 | 14:50:29 | 0,35            | 0,32            | 0,59            | 5,57                     | 5,11                     | 23,31                    | 3,34   | 4,30   | 2,91   | 0,89            |
| 814 | 14:50:34 | 0,46            | 0,53            | 0,77            | 5,57                     | 5,11                     | 23,31                    | 2,08   | 1,83   | 2,94   | 1,25            |
| 815 | 14:50:39 | 0,83            | 0,43            | 1,86            | 5,63                     | 5,12                     | 23,31                    | 1,17   | 0,88   | 1,17   | 2,27            |
| 816 | 14:50:44 | 0,49            | 0,72            | 0,91            | 5,63                     | 5,12                     | 23,31                    | 2,04   | 2,60   | 1,17   | 1,52            |
| 817 | 14:50:49 | 0,33            | 0,69            | 0,57            | 5,63                     | 5,13                     | 23,31                    | 2,01   | 2,37   | 2,56   | 1,21            |
| 818 | 14:50:54 | 0,22            | 0,70            | 0,54            | 5,63                     | 5,13                     | 23,31                    | 1,71   | 1,56   | 2,81   | 1,16            |
| 819 | 14:50:59 | 0,28            | 0,38            | 0,68            | 5,63                     | 5,13                     | 23,31                    | 2,55   | 2,31   | 1,73   | 0,94            |
| 820 | 14:51:04 | 0,25            | 0,43            | 0,57            | 5,63                     | 5,13                     | 23,31                    | 2,48   | 2,33   | 1,79   | 0,90            |
| 821 | 14:51:09 | 0,78            | 1,18            | 1,51            | 5,69                     | 5,64                     | 23,32                    | 1,44   | 0,49   | 1,54   | 2,49            |
| 822 | 14:51:14 | 0,52            | 0,45            | 1,07            | 5,69                     | 5,64                     | 23,33                    | 2,50   | 2,34   | 1,21   | 1,44            |
| 823 | 14:51:19 | 0,58            | 0,38            | 0,49            | 5,69                     | 5,64                     | 23,33                    | 1,14   | 2,29   | 2,36   | 1,09            |
| 824 | 14:51:24 | 0,20            | 0,38            | 0,49            | 5,69                     | 5,64                     | 23,33                    | 1,97   | 1,89   | 2,34   | 0,78            |
| 825 | 14:51:29 | 0,26            | 0,53            | 0,56            | 5,69                     | 5,64                     | 23,33                    | 2,15   | 1,56   | 3,08   | 1,00            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 826 | 14:51:34 | 0,17            | 0,44            | 0,54            | 5,69                     | 5,64                     | 23,33                    | 3,42   | 1,68   | 2,27   | 0,86            |
| 827 | 14:51:39 | 0,16            | 0,33            | 0,42            | 5,69                     | 5,64                     | 23,33                    | 2,22   | 1,61   | 1,79   | 0,66            |
| 828 | 14:51:44 | 0,15            | 0,22            | 0,56            | 5,69                     | 5,64                     | 23,33                    | 2,09   | 3,55   | 1,43   | 0,68            |
| 829 | 14:51:49 | 0,29            | 0,39            | 0,70            | 5,69                     | 5,64                     | 23,33                    | 4,27   | 2,84   | 5,67   | 0,97            |
| 830 | 14:51:54 | 0,31            | 0,46            | 0,62            | 5,69                     | 5,64                     | 23,33                    | 2,29   | 2,90   | 2,25   | 1,00            |
| 831 | 14:51:59 | 0,56            | 0,68            | 0,54            | 5,69                     | 5,65                     | 23,33                    | 1,37   | 1,27   | 2,28   | 1,35            |
| 832 | 14:52:04 | 0,87            | 0,55            | 0,64            | 5,70                     | 5,65                     | 23,33                    | 1,52   | 0,87   | 1,41   | 1,57            |
| 833 | 14:52:09 | 0,70            | 0,36            | 0,50            | 5,71                     | 5,65                     | 23,33                    | 0,60   | 2,41   | 1,89   | 1,21            |
| 834 | 14:52:14 | 0,59            | 0,40            | 0,51            | 5,71                     | 5,65                     | 23,33                    | 2,15   | 3,28   | 3,20   | 1,12            |
| 835 | 14:52:19 | 0,42            | 0,75            | 0,50            | 5,71                     | 5,66                     | 23,33                    | 1,32   | 1,55   | 2,65   | 1,30            |
| 836 | 14:52:24 | 0,24            | 0,33            | 0,59            | 5,71                     | 5,66                     | 23,33                    | 2,80   | 2,61   | 3,35   | 0,81            |
| 837 | 14:52:29 | 0,28            | 0,40            | 0,60            | 5,71                     | 5,66                     | 23,33                    | 2,22   | 1,28   | 1,64   | 0,91            |
| 838 | 14:52:34 | 0,23            | 0,31            | 0,50            | 5,71                     | 5,66                     | 23,33                    | 2,08   | 1,56   | 1,68   | 0,73            |
| 839 | 14:52:39 | 0,20            | 0,36            | 0,46            | 5,71                     | 5,66                     | 23,33                    | 2,03   | 2,13   | 2,26   | 0,73            |
| 840 | 14:52:44 | 0,39            | 0,27            | 0,34            | 5,71                     | 5,66                     | 23,33                    | 0,70   | 1,24   | 2,08   | 0,75            |
| 841 | 14:52:49 | 0,15            | 0,17            | 0,32            | 5,71                     | 5,66                     | 23,33                    | 2,36   | 2,18   | 2,74   | 0,45            |
| 842 | 14:52:54 | 0,16            | 0,23            | 0,30            | 5,71                     | 5,66                     | 23,33                    | 3,15   | 2,95   | 2,07   | 0,49            |
| 843 | 14:52:59 | 0,15            | 0,23            | 0,32            | 5,71                     | 5,66                     | 23,33                    | 2,61   | 2,92   | 1,43   | 0,50            |
| 844 | 14:53:04 | 0,76            | 0,26            | 1,33            | 5,72                     | 5,66                     | 23,33                    | 0,57   | 2,07   | 0,69   | 1,74            |
| 845 | 14:53:09 | 0,46            | 0,39            | 0,41            | 5,72                     | 5,66                     | 23,33                    | 2,72   | 1,33   | 2,51   | 0,94            |
| 846 | 14:53:14 | 0,45            | 0,26            | 0,29            | 5,72                     | 5,66                     | 23,33                    | 0,69   | 2,16   | 1,95   | 0,79            |
| 847 | 14:53:19 | 0,15            | 0,22            | 0,26            | 5,72                     | 5,66                     | 23,33                    | 2,62   | 2,08   | 2,40   | 0,46            |
| 848 | 14:53:24 | 0,22            | 0,29            | 0,34            | 5,72                     | 5,66                     | 23,33                    | 1,64   | 2,20   | 2,32   | 0,61            |
| 849 | 14:53:29 | 0,90            | 0,48            | 1,24            | 5,74                     | 5,66                     | 23,33                    | 0,83   | 2,96   | 1,29   | 1,89            |
| 850 | 14:53:34 | 0,40            | 0,46            | 0,51            | 5,74                     | 5,66                     | 23,33                    | 1,33   | 1,63   | 1,56   | 1,00            |
| 851 | 14:53:39 | 0,44            | 0,27            | 0,38            | 5,74                     | 5,66                     | 23,33                    | 0,87   | 1,96   | 3,45   | 0,82            |
| 852 | 14:53:44 | 0,19            | 0,33            | 0,43            | 5,74                     | 5,66                     | 23,33                    | 2,38   | 1,21   | 2,24   | 0,68            |
| 853 | 14:53:49 | 0,18            | 0,29            | 0,45            | 5,74                     | 5,66                     | 23,33                    | 2,88   | 2,63   | 3,60   | 0,65            |
| 854 | 14:53:54 | 0,33            | 0,48            | 0,61            | 5,74                     | 5,66                     | 23,33                    | 2,50   | 2,90   | 2,13   | 1,01            |
| 855 | 14:53:59 | 0,76            | 0,50            | 0,81            | 5,74                     | 5,66                     | 23,33                    | 1,35   | 1,25   | 1,60   | 1,51            |
| 856 | 14:54:04 | 0,42            | 0,55            | 0,50            | 5,74                     | 5,66                     | 23,33                    | 1,51   | 2,10   | 1,75   | 1,09            |
| 857 | 14:54:09 | 0,42            | 0,43            | 0,51            | 5,74                     | 5,66                     | 23,33                    | 0,79   | 0,96   | 1,52   | 0,99            |
| 858 | 14:54:14 | 0,15            | 0,35            | 0,67            | 5,74                     | 5,67                     | 23,33                    | 1,58   | 1,44   | 0,98   | 0,86            |
| 859 | 14:54:19 | 0,23            | 0,18            | 0,35            | 5,74                     | 5,67                     | 23,33                    | 2,27   | 1,63   | 1,48   | 0,54            |
| 860 | 14:54:24 | 0,70            | 0,26            | 0,97            | 5,75                     | 5,67                     | 23,33                    | 1,41   | 2,20   | 2,15   | 1,43            |
| 861 | 14:54:29 | 0,55            | 0,47            | 0,63            | 5,75                     | 5,67                     | 23,33                    | 0,83   | 1,98   | 1,54   | 1,20            |
| 862 | 14:54:34 | 0,21            | 0,54            | 0,47            | 5,75                     | 5,67                     | 23,33                    | 2,85   | 2,01   | 3,21   | 0,94            |
| 863 | 14:54:39 | 0,37            | 0,41            | 0,63            | 5,75                     | 5,67                     | 23,33                    | 1,89   | 1,22   | 2,27   | 0,99            |
| 864 | 14:54:44 | 0,22            | 0,28            | 0,48            | 5,75                     | 5,67                     | 23,33                    | 2,41   | 1,78   | 3,20   | 0,69            |
| 865 | 14:54:49 | 0,25            | 0,30            | 0,56            | 5,75                     | 5,67                     | 23,33                    | 1,44   | 2,28   | 3,10   | 0,78            |
| 866 | 14:54:54 | 0,41            | 0,50            | 0,79            | 5,75                     | 5,67                     | 23,33                    | 5,10   | 5,20   | 4,09   | 1,20            |
| 867 | 14:54:59 | 0,46            | 0,45            | 0,95            | 5,75                     | 5,67                     | 23,33                    | 2,38   | 3,03   | 2,98   | 1,31            |
| 868 | 14:55:04 | 0,42            | 0,46            | 0,53            | 5,75                     | 5,67                     | 23,33                    | 1,71   | 1,88   | 3,23   | 1,02            |
| 869 | 14:55:09 | 0,25            | 0,31            | 0,72            | 5,75                     | 5,67                     | 23,33                    | 2,55   | 1,81   | 1,82   | 0,92            |
| 870 | 14:55:14 | 0,26            | 0,34            | 0,65            | 5,75                     | 5,67                     | 23,33                    | 2,18   | 2,62   | 3,21   | 0,88            |
| 871 | 14:55:19 | 0,24            | 0,33            | 0,80            | 5,75                     | 5,67                     | 23,33                    | 3,23   | 2,70   | 2,51   | 0,99            |
| 872 | 14:55:24 | 0,55            | 0,42            | 1,91            | 5,76                     | 5,67                     | 23,34                    | 1,96   | 2,37   | 1,11   | 2,14            |
| 873 | 14:55:29 | 0,30            | 0,36            | 0,65            | 5,76                     | 5,67                     | 23,34                    | 2,13   | 2,19   | 2,22   | 0,93            |
| 874 | 14:55:34 | 0,35            | 0,50            | 0,63            | 5,76                     | 5,68                     | 23,34                    | 1,31   | 1,68   | 2,30   | 1,07            |
| 875 | 14:55:39 | 0,23            | 0,67            | 0,52            | 5,76                     | 5,68                     | 23,34                    | 2,48   | 1,31   | 2,71   | 1,13            |
| 876 | 14:55:44 | 0,49            | 0,44            | 0,51            | 5,76                     | 5,68                     | 23,34                    | 1,25   | 1,70   | 2,62   | 1,06            |
| 877 | 14:55:49 | 0,21            | 0,42            | 0,54            | 5,76                     | 5,68                     | 23,34                    | 1,70   | 2,48   | 1,58   | 0,86            |
| 878 | 14:55:54 | 0,18            | 0,61            | 0,46            | 5,76                     | 5,68                     | 23,34                    | 2,95   | 0,91   | 2,52   | 1,01            |
| 879 | 14:55:59 | 0,23            | 0,33            | 0,80            | 5,76                     | 5,68                     | 23,34                    | 3,37   | 2,05   | 3,60   | 0,98            |
| 880 | 14:56:04 | 0,25            | 0,34            | 1,34            | 5,76                     | 5,68                     | 23,34                    | 1,90   | 2,43   | 2,94   | 1,46            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 881 | 14:56:09 | 0,67            | 0,37            | 2,26            | 5,77                     | 5,68                     | 23,36                    | 0,67   | 1,15   | 0,90   | 2,50            |
| 882 | 14:56:14 | 0,39            | 0,46            | 0,83            | 5,77                     | 5,69                     | 23,36                    | 1,88   | 2,38   | 1,77   | 1,19            |
| 883 | 14:56:19 | 0,47            | 0,51            | 0,55            | 5,78                     | 5,69                     | 23,36                    | 3,19   | 3,58   | 7,60   | 1,12            |
| 884 | 14:56:24 | 0,63            | 1,01            | 0,58            | 5,78                     | 5,70                     | 23,36                    | 0,66   | 1,52   | 1,97   | 1,76            |
| 885 | 14:56:29 | 0,32            | 0,30            | 0,52            | 5,78                     | 5,70                     | 23,36                    | 1,28   | 2,69   | 2,35   | 0,81            |
| 886 | 14:56:34 | 0,26            | 0,36            | 0,56            | 5,78                     | 5,70                     | 23,36                    | 1,91   | 2,11   | 1,96   | 0,84            |
| 887 | 14:56:39 | 0,56            | 0,32            | 0,48            | 5,78                     | 5,70                     | 23,36                    | 0,94   | 2,53   | 2,45   | 1,01            |
| 888 | 14:56:44 | 0,25            | 0,36            | 0,46            | 5,78                     | 5,70                     | 23,36                    | 1,26   | 1,78   | 1,95   | 0,76            |
| 889 | 14:56:49 | 0,20            | 0,40            | 0,47            | 5,78                     | 5,70                     | 23,36                    | 1,87   | 1,11   | 2,05   | 0,78            |
| 890 | 14:56:54 | 0,32            | 0,71            | 0,65            | 5,78                     | 5,71                     | 23,36                    | 3,77   | 0,91   | 3,97   | 1,27            |
| 891 | 14:56:59 | 0,48            | 0,44            | 0,96            | 5,78                     | 5,71                     | 23,36                    | 1,31   | 2,58   | 3,33   | 1,33            |
| 892 | 14:57:04 | 0,34            | 0,33            | 0,70            | 5,78                     | 5,71                     | 23,36                    | 1,55   | 1,25   | 2,00   | 0,97            |
| 893 | 14:57:09 | 0,58            | 0,44            | 1,79            | 5,79                     | 5,71                     | 23,37                    | 2,08   | 2,44   | 1,46   | 2,06            |
| 894 | 14:57:14 | 0,30            | 0,47            | 0,52            | 5,79                     | 5,71                     | 23,37                    | 1,96   | 2,32   | 1,75   | 0,94            |
| 895 | 14:57:19 | 0,36            | 0,64            | 0,68            | 5,79                     | 5,71                     | 23,37                    | 1,74   | 1,55   | 2,17   | 1,23            |
| 896 | 14:57:24 | 0,25            | 0,41            | 0,68            | 5,79                     | 5,72                     | 23,37                    | 1,78   | 1,85   | 2,73   | 0,96            |
| 897 | 14:57:29 | 0,25            | 0,38            | 0,57            | 5,79                     | 5,72                     | 23,37                    | 3,07   | 1,26   | 2,68   | 0,85            |
| 898 | 14:57:34 | 0,51            | 0,24            | 0,40            | 5,79                     | 5,72                     | 23,37                    | 0,51   | 1,79   | 1,75   | 0,88            |
| 899 | 14:57:39 | 0,15            | 0,23            | 0,35            | 5,79                     | 5,72                     | 23,37                    | 2,35   | 2,82   | 3,06   | 0,52            |
| 900 | 14:57:44 | 0,18            | 0,32            | 0,47            | 5,79                     | 5,72                     | 23,37                    | 2,27   | 2,70   | 3,16   | 0,70            |
| 901 | 14:57:49 | 0,35            | 0,53            | 0,52            | 5,79                     | 5,72                     | 23,37                    | 0,88   | 1,27   | 2,10   | 1,03            |
| 902 | 14:57:54 | 0,31            | 0,38            | 0,59            | 5,79                     | 5,72                     | 23,37                    | 1,47   | 2,13   | 2,96   | 0,90            |
| 903 | 14:57:59 | 0,61            | 0,35            | 1,28            | 5,79                     | 5,72                     | 23,37                    | 3,15   | 2,05   | 1,90   | 1,61            |
| 904 | 14:58:04 | 0,86            | 0,54            | 0,85            | 5,80                     | 5,72                     | 23,37                    | 1,66   | 1,82   | 2,15   | 1,66            |
| 905 | 14:58:09 | 0,67            | 0,60            | 0,76            | 5,80                     | 5,72                     | 23,37                    | 0,63   | 1,29   | 1,08   | 1,47            |
| 906 | 14:58:14 | 0,39            | 0,30            | 0,38            | 5,80                     | 5,72                     | 23,37                    | 1,54   | 1,48   | 2,60   | 0,79            |
| 907 | 14:58:19 | 0,31            | 0,31            | 0,58            | 5,80                     | 5,72                     | 23,37                    | 2,28   | 2,57   | 2,38   | 0,84            |
| 908 | 14:58:24 | 0,62            | 0,52            | 0,93            | 5,82                     | 5,72                     | 23,37                    | 3,11   | 1,74   | 5,23   | 1,47            |
| 909 | 14:58:29 | 0,34            | 0,55            | 0,50            | 5,82                     | 5,73                     | 23,37                    | 2,11   | 1,53   | 1,27   | 1,03            |
| 910 | 14:58:34 | 0,44            | 0,22            | 0,30            | 5,82                     | 5,73                     | 23,37                    | 0,95   | 2,29   | 4,23   | 0,75            |
| 911 | 14:58:39 | 0,27            | 0,24            | 0,54            | 5,82                     | 5,73                     | 23,37                    | 1,84   | 2,14   | 2,20   | 0,74            |
| 912 | 14:58:44 | 0,50            | 0,50            | 0,65            | 5,82                     | 5,73                     | 23,37                    | 2,06   | 1,56   | 2,03   | 1,18            |
| 913 | 14:58:49 | 0,34            | 0,28            | 0,51            | 5,82                     | 5,73                     | 23,37                    | 2,66   | 1,61   | 0,92   | 0,80            |
| 914 | 14:58:54 | 0,31            | 0,26            | 0,47            | 5,82                     | 5,73                     | 23,37                    | 1,71   | 1,61   | 2,78   | 0,74            |
| 915 | 14:58:59 | 0,18            | 0,36            | 0,40            | 5,82                     | 5,73                     | 23,37                    | 0,93   | 1,97   | 2,34   | 0,69            |
| 916 | 14:59:04 | 0,68            | 0,42            | 0,82            | 5,82                     | 5,73                     | 23,37                    | 0,94   | 2,83   | 1,93   | 1,39            |
| 917 | 14:59:09 | 0,31            | 0,48            | 0,56            | 5,82                     | 5,73                     | 23,37                    | 1,51   | 0,89   | 0,93   | 0,98            |
| 918 | 14:59:14 | 0,43            | 0,25            | 0,34            | 5,82                     | 5,73                     | 23,37                    | 1,66   | 4,03   | 2,80   | 0,77            |
| 919 | 14:59:19 | 0,36            | 0,38            | 0,43            | 5,83                     | 5,73                     | 23,37                    | 1,92   | 1,88   | 1,43   | 0,85            |
| 920 | 14:59:24 | 0,49            | 0,47            | 0,59            | 5,83                     | 5,73                     | 23,37                    | 2,53   | 2,70   | 2,73   | 1,12            |
| 921 | 14:59:29 | 0,41            | 0,45            | 0,75            | 5,83                     | 5,73                     | 23,37                    | 0,82   | 1,40   | 2,51   | 1,13            |
| 922 | 14:59:34 | 0,47            | 0,40            | 0,29            | 5,83                     | 5,73                     | 23,37                    | 1,06   | 1,80   | 3,10   | 0,91            |
| 923 | 14:59:39 | 1,02            | 0,50            | 0,96            | 5,85                     | 5,73                     | 23,37                    | 1,17   | 2,04   | 0,54   | 1,86            |
| 924 | 14:59:44 | 0,45            | 0,37            | 0,44            | 5,85                     | 5,73                     | 23,37                    | 1,48   | 2,23   | 3,19   | 0,93            |
| 925 | 14:59:49 | 0,61            | 0,63            | 1,03            | 5,85                     | 5,74                     | 23,37                    | 0,87   | 1,00   | 1,66   | 1,60            |
| 926 | 14:59:54 | 0,42            | 0,46            | 0,60            | 5,86                     | 5,74                     | 23,37                    | 1,56   | 2,15   | 2,32   | 1,05            |
| 927 | 14:59:59 | 0,72            | 0,45            | 0,72            | 5,86                     | 5,74                     | 23,38                    | 1,80   | 1,64   | 1,39   | 1,39            |
| 928 | 15:00:04 | 0,36            | 0,45            | 0,88            | 5,86                     | 5,74                     | 23,38                    | 1,91   | 2,49   | 2,68   | 1,19            |
| 929 | 15:00:09 | 0,46            | 0,47            | 0,78            | 5,86                     | 5,74                     | 23,38                    | 1,77   | 2,30   | 1,87   | 1,21            |
| 930 | 15:00:14 | 0,24            | 0,32            | 0,96            | 5,86                     | 5,74                     | 23,38                    | 1,71   | 1,99   | 3,63   | 1,11            |
| 931 | 15:00:19 | 0,30            | 0,43            | 1,71            | 5,86                     | 5,74                     | 23,38                    | 1,59   | 1,68   | 2,60   | 1,86            |
| 932 | 15:00:24 | 0,32            | 0,32            | 2,39            | 5,86                     | 5,74                     | 23,39                    | 2,81   | 1,96   | 1,51   | 2,48            |
| 933 | 15:00:29 | 0,43            | 0,36            | 1,46            | 5,86                     | 5,74                     | 23,39                    | 1,66   | 2,16   | 1,58   | 1,66            |
| 934 | 15:00:34 | 0,36            | 0,50            | 1,05            | 5,86                     | 5,74                     | 23,39                    | 3,60   | 2,41   | 3,33   | 1,36            |
| 935 | 15:00:39 | 0,29            | 0,46            | 0,84            | 5,86                     | 5,74                     | 23,39                    | 1,82   | 2,62   | 1,60   | 1,14            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|-----|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 936 | 15:00:44 | 0,32            | 0,64            | 0,73            | 5,86                     | 5,75                     | 23,39                    | 4,29   | 2,35   | 6,12   | 1,24            |
| 937 | 15:00:49 | 0,48            | 0,58            | 0,87            | 5,86                     | 5,75                     | 23,39                    | 2,14   | 0,96   | 0,79   | 1,37            |
| 938 | 15:00:54 | 0,60            | 0,59            | 0,69            | 5,87                     | 5,75                     | 23,39                    | 1,36   | 1,68   | 3,20   | 1,36            |
| 939 | 15:00:59 | 0,61            | 0,83            | 1,56            | 5,87                     | 5,76                     | 23,39                    | 1,64   | 2,26   | 1,55   | 2,12            |
| 940 | 15:01:05 | 0,65            | 0,64            | 0,78            | 5,88                     | 5,76                     | 23,39                    | 3,03   | 1,25   | 2,79   | 1,50            |
| 941 | 15:01:10 | 0,47            | 0,44            | 1,04            | 5,88                     | 5,76                     | 23,39                    | 3,05   | 1,52   | 4,49   | 1,37            |
| 942 | 15:01:15 | 0,53            | 0,28            | 1,39            | 5,88                     | 5,76                     | 23,40                    | 1,46   | 1,69   | 1,24   | 1,63            |
| 943 | 15:01:20 | 0,33            | 0,37            | 0,95            | 5,88                     | 5,76                     | 23,40                    | 2,61   | 1,59   | 2,24   | 1,18            |
| 944 | 15:01:25 | 0,35            | 0,60            | 0,71            | 5,88                     | 5,77                     | 23,40                    | 1,98   | 1,38   | 2,53   | 1,20            |
| 945 | 15:01:31 | 0,42            | 0,47            | 1,52            | 5,88                     | 5,77                     | 23,40                    | 3,01   | 0,66   | 1,12   | 1,76            |
| 946 | 15:01:36 | 0,71            | 0,34            | 1,12            | 5,89                     | 5,77                     | 23,40                    | 0,38   | 1,36   | 0,38   | 1,57            |
| 947 | 15:01:41 | 0,18            | 0,10            | 0,16            | 5,89                     | 5,77                     | 23,40                    | 1,07   | 1,36   | 1,25   | 0,32            |
| 948 | 15:01:46 | 0,08            | 0,08            | 0,10            | 5,89                     | 5,77                     | 23,40                    | 1,90   | 0,72   | 6,57   | 0,18            |
| 949 | 15:01:51 | 0,05            | 0,08            | 0,10            | 5,89                     | 5,77                     | 23,40                    | 0,57   | 0,34   | 0,55   | 0,17            |
| 950 | 15:01:56 | 0,02            | 0,01            | 0,14            | 5,89                     | 5,77                     | 23,40                    | 2,75   | 3,72   | 5,60   | 0,14            |
| 951 | 15:02:01 | 0,04            | 0,04            | 0,16            | 5,89                     | 5,77                     | 23,40                    | 1,03   | 0,98   | 1,27   | 0,18            |
| 952 | 15:02:06 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,50   | 1,58   | 2,59   | 0,04            |
| 953 | 15:02:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 0,92   | 1,30   | 2,75   | 0,03            |
| 954 | 15:02:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,92   | 1,59   | 2,77   | 0,02            |
| 955 | 15:02:21 | 0,06            | 0,05            | 0,09            | 5,89                     | 5,77                     | 23,40                    | 1,38   | 1,91   | 2,34   | 0,14            |
| 956 | 15:02:26 | 0,02            | 0,03            | 0,06            | 5,89                     | 5,77                     | 23,40                    | 2,48   | 1,96   | 6,15   | 0,08            |
| 957 | 15:02:31 | 0,04            | 0,04            | 0,06            | 5,89                     | 5,77                     | 23,40                    | 1,03   | 1,00   | 1,34   | 0,10            |
| 958 | 15:02:36 | 0,04            | 0,10            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 0,37   | 0,12   | 1,03   | 0,16            |
| 959 | 15:02:41 | 0,01            | 0,01            | 0,15            | 5,89                     | 5,77                     | 23,40                    | 4,00   | 3,40   | 3,54   | 0,15            |
| 960 | 15:02:46 | 0,05            | 0,03            | 0,11            | 5,89                     | 5,77                     | 23,40                    | 0,81   | 0,58   | 1,66   | 0,14            |
| 961 | 15:02:51 | 0,01            | 0,01            | 0,06            | 5,89                     | 5,77                     | 23,40                    | 1,45   | 0,85   | 1,42   | 0,06            |
| 962 | 15:02:56 | 0,01            | 0,01            | 0,05            | 5,89                     | 5,77                     | 23,40                    | 1,41   | 2,65   | 1,24   | 0,05            |
| 963 | 15:03:01 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,16   | 1,60   | 2,97   | 0,02            |
| 964 | 15:03:06 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,32   | 2,97   | 2,83   | 0,02            |
| 965 | 15:03:11 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,41   | 1,91   | 2,49   | 0,02            |
| 966 | 15:03:16 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,71   | 1,46   | 2,21   | 0,02            |
| 967 | 15:03:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,51   | 2,87   | 2,56   | 0,03            |
| 968 | 15:03:26 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,21   | 2,12   | 2,21   | 0,02            |
| 969 | 15:03:31 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,63   | 1,05   | 2,41   | 0,03            |
| 970 | 15:03:36 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,61   | 2,78   | 2,28   | 0,02            |
| 971 | 15:03:41 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,01   | 2,19   | 2,79   | 0,03            |
| 972 | 15:03:46 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,43   | 2,43   | 2,76   | 0,02            |
| 973 | 15:03:51 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,68   | 2,26   | 2,88   | 0,03            |
| 974 | 15:03:56 | 0,02            | 0,02            | 0,06            | 5,89                     | 5,77                     | 23,40                    | 4,63   | 4,41   | 3,93   | 0,07            |
| 975 | 15:04:01 | 0,02            | 0,02            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 0,48   | 0,93   | 2,03   | 0,06            |
| 976 | 15:04:06 | 0,01            | 0,00            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,64   | 3,29   | 3,05   | 0,03            |
| 977 | 15:04:11 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,97   | 2,91   | 2,62   | 0,02            |
| 978 | 15:04:16 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,24   | 2,90   | 3,36   | 0,02            |
| 979 | 15:04:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,14   | 1,25   | 1,80   | 0,03            |
| 980 | 15:04:26 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,06   | 2,53   | 2,37   | 0,02            |
| 981 | 15:04:31 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,73   | 1,84   | 2,38   | 0,02            |
| 982 | 15:04:36 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,42   | 1,52   | 3,00   | 0,03            |
| 983 | 15:04:41 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,51   | 1,22   | 2,71   | 0,03            |
| 984 | 15:04:46 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,11   | 2,39   | 3,14   | 0,03            |
| 985 | 15:04:51 | 0,02            | 0,02            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 0,91   | 0,82   | 1,47   | 0,05            |
| 986 | 15:04:56 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,38   | 1,94   | 4,13   | 0,02            |
| 987 | 15:05:01 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 2,37   | 1,38   | 1,82   | 0,03            |
| 988 | 15:05:06 | 0,01            | 0,01            | 0,05            | 5,89                     | 5,77                     | 23,40                    | 1,66   | 1,96   | 1,46   | 0,06            |
| 989 | 15:05:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,57   | 1,99   | 2,94   | 0,02            |
| 990 | 15:05:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,13   | 1,98   | 2,60   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 991  | 15:05:21 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,15   | 1,55   | 1,89   | 0,04            |
| 992  | 15:05:26 | 0,02            | 0,02            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 0,91   | 0,67   | 2,10   | 0,04            |
| 993  | 15:05:31 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,34   | 2,12   | 2,06   | 0,03            |
| 994  | 15:05:36 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,79   | 3,01   | 2,90   | 0,03            |
| 995  | 15:05:41 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 2,16   | 1,71   | 2,64   | 0,03            |
| 996  | 15:05:46 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,10   | 1,75   | 2,91   | 0,02            |
| 997  | 15:05:51 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,05   | 2,21   | 2,42   | 0,02            |
| 998  | 15:05:56 | 0,01            | 0,01            | 0,05            | 5,89                     | 5,77                     | 23,40                    | 3,69   | 2,58   | 7,03   | 0,05            |
| 999  | 15:06:01 | 0,03            | 0,04            | 0,07            | 5,89                     | 5,77                     | 23,40                    | 0,28   | 0,29   | 0,92   | 0,09            |
| 1000 | 15:06:06 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,56   | 2,26   | 2,13   | 0,02            |
| 1001 | 15:06:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,74   | 1,96   | 2,21   | 0,03            |
| 1002 | 15:06:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,17   | 1,93   | 2,47   | 0,02            |
| 1003 | 15:06:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,88   | 1,39   | 2,74   | 0,03            |
| 1004 | 15:06:26 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 0,88   | 2,34   | 1,89   | 0,03            |
| 1005 | 15:06:31 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,31   | 1,82   | 1,70   | 0,03            |
| 1006 | 15:06:36 | 0,02            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 3,68   | 4,50   | 5,21   | 0,04            |
| 1007 | 15:06:41 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,38   | 2,50   | 4,81   | 0,04            |
| 1008 | 15:06:46 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,17   | 1,53   | 1,70   | 0,03            |
| 1009 | 15:06:51 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 2,69   | 3,33   | 4,48   | 0,03            |
| 1010 | 15:06:56 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,76   | 1,00   | 2,58   | 0,03            |
| 1011 | 15:07:01 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,29   | 1,48   | 2,97   | 0,03            |
| 1012 | 15:07:06 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 3,57   | 3,27   | 2,92   | 0,03            |
| 1013 | 15:07:11 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,72   | 1,55   | 1,96   | 0,03            |
| 1014 | 15:07:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,18   | 1,51   | 2,54   | 0,02            |
| 1015 | 15:07:21 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,31   | 1,69   | 2,57   | 0,02            |
| 1016 | 15:07:26 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,84   | 1,63   | 2,68   | 0,02            |
| 1017 | 15:07:31 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,72   | 1,64   | 2,83   | 0,03            |
| 1018 | 15:07:36 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 4,86   | 4,20   | 3,71   | 0,03            |
| 1019 | 15:07:41 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,69   | 1,42   | 3,32   | 0,02            |
| 1020 | 15:07:46 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,62   | 2,47   | 2,32   | 0,02            |
| 1021 | 15:07:51 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,49   | 2,23   | 2,73   | 0,02            |
| 1022 | 15:07:56 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,07   | 1,79   | 1,99   | 0,02            |
| 1023 | 15:08:01 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,39   | 1,90   | 2,14   | 0,03            |
| 1024 | 15:08:06 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,67   | 2,73   | 2,75   | 0,02            |
| 1025 | 15:08:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,89   | 2,80   | 1,84   | 0,03            |
| 1026 | 15:08:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,26   | 1,67   | 3,15   | 0,02            |
| 1027 | 15:08:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,42   | 1,89   | 2,51   | 0,02            |
| 1028 | 15:08:26 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,03   | 2,33   | 2,45   | 0,02            |
| 1029 | 15:08:31 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,23   | 2,09   | 3,13   | 0,02            |
| 1030 | 15:08:36 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,63   | 2,32   | 2,36   | 0,02            |
| 1031 | 15:08:41 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,22   | 1,27   | 2,58   | 0,02            |
| 1032 | 15:08:46 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,96   | 2,51   | 2,28   | 0,03            |
| 1033 | 15:08:51 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,92   | 1,65   | 2,41   | 0,02            |
| 1034 | 15:08:56 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,67   | 2,28   | 1,81   | 0,03            |
| 1035 | 15:09:01 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,96   | 1,82   | 1,75   | 0,02            |
| 1036 | 15:09:06 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,56   | 1,70   | 3,42   | 0,02            |
| 1037 | 15:09:11 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,72   | 3,04   | 2,25   | 0,02            |
| 1038 | 15:09:16 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,69   | 2,79   | 2,70   | 0,02            |
| 1039 | 15:09:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,58   | 1,44   | 2,25   | 0,02            |
| 1040 | 15:09:26 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 2,08   | 1,86   | 3,30   | 0,03            |
| 1041 | 15:09:31 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,68   | 2,35   | 2,09   | 0,03            |
| 1042 | 15:09:36 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,45   | 2,09   | 2,91   | 0,03            |
| 1043 | 15:09:41 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,34   | 2,72   | 1,97   | 0,02            |
| 1044 | 15:09:46 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,90   | 1,97   | 2,50   | 0,03            |
| 1045 | 15:09:51 | 0,02            | 0,02            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 4,03   | 3,34   | 4,35   | 0,05            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1046 | 15:09:56 | 0,03            | 0,07            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 1,05   | 0,50   | 1,48   | 0,11            |
| 1047 | 15:10:01 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,68   | 1,11   | 2,94   | 0,03            |
| 1048 | 15:10:06 | 0,02            | 0,04            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 3,07   | 2,56   | 3,51   | 0,07            |
| 1049 | 15:10:11 | 0,01            | 0,05            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 2,55   | 0,30   | 1,21   | 0,09            |
| 1050 | 15:10:16 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,12   | 3,08   | 1,98   | 0,03            |
| 1051 | 15:10:21 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,28   | 2,15   | 2,18   | 0,02            |
| 1052 | 15:10:26 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,16   | 2,60   | 4,00   | 0,02            |
| 1053 | 15:10:31 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,32   | 1,38   | 2,24   | 0,02            |
| 1054 | 15:10:36 | 0,02            | 0,01            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 2,72   | 1,31   | 1,99   | 0,05            |
| 1055 | 15:10:41 | 0,03            | 0,02            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,69   | 3,00   | 2,38   | 0,06            |
| 1056 | 15:10:46 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,13   | 1,37   | 1,90   | 0,03            |
| 1057 | 15:10:51 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,12   | 1,98   | 2,44   | 0,03            |
| 1058 | 15:10:56 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,66   | 1,89   | 2,80   | 0,02            |
| 1059 | 15:11:01 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 0,85   | 1,30   | 2,08   | 0,04            |
| 1060 | 15:11:06 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,30   | 0,62   | 2,20   | 0,03            |
| 1061 | 15:11:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,82   | 3,04   | 2,41   | 0,03            |
| 1062 | 15:11:16 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,61   | 1,67   | 3,45   | 0,02            |
| 1063 | 15:11:21 | 0,04            | 0,02            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,67   | 0,95   | 2,02   | 0,06            |
| 1064 | 15:11:26 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,15   | 1,27   | 2,46   | 0,03            |
| 1065 | 15:11:31 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,52   | 1,13   | 4,36   | 0,03            |
| 1066 | 15:11:36 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,75   | 2,77   | 2,00   | 0,03            |
| 1067 | 15:11:41 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 2,52   | 1,97   | 2,26   | 0,03            |
| 1068 | 15:11:46 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,79   | 3,71   | 2,96   | 0,02            |
| 1069 | 15:11:51 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,93   | 1,67   | 2,04   | 0,02            |
| 1070 | 15:11:56 | 0,01            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,49   | 1,64   | 2,01   | 0,02            |
| 1071 | 15:12:01 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,04   | 1,60   | 2,82   | 0,02            |
| 1072 | 15:12:06 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,46   | 1,81   | 2,68   | 0,02            |
| 1073 | 15:12:11 | 0,01            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,53   | 1,38   | 2,44   | 0,03            |
| 1074 | 15:12:16 | 0,00            | 0,00            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,84   | 2,01   | 2,45   | 0,02            |
| 1075 | 15:12:21 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,41   | 1,27   | 2,17   | 0,02            |
| 1076 | 15:12:26 | 0,02            | 0,02            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 2,67   | 1,59   | 3,79   | 0,05            |
| 1077 | 15:12:31 | 0,01            | 0,02            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 0,84   | 0,48   | 2,98   | 0,04            |
| 1078 | 15:12:36 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,81   | 1,32   | 2,46   | 0,02            |
| 1079 | 15:12:41 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 3,93   | 1,80   | 3,67   | 0,02            |
| 1080 | 15:12:46 | 0,00            | 0,01            | 0,02            | 5,89                     | 5,77                     | 23,40                    | 1,87   | 2,42   | 2,27   | 0,02            |
| 1081 | 15:12:51 | 0,01            | 0,01            | 0,05            | 5,89                     | 5,77                     | 23,40                    | 3,28   | 4,92   | 2,45   | 0,05            |
| 1082 | 15:12:56 | 0,04            | 0,04            | 0,11            | 5,89                     | 5,77                     | 23,40                    | 3,38   | 3,04   | 4,67   | 0,14            |
| 1083 | 15:13:01 | 0,06            | 0,05            | 0,08            | 5,89                     | 5,77                     | 23,40                    | 0,77   | 0,62   | 1,02   | 0,14            |
| 1084 | 15:13:06 | 0,01            | 0,01            | 0,03            | 5,89                     | 5,77                     | 23,40                    | 1,09   | 1,56   | 2,06   | 0,03            |
| 1085 | 15:13:11 | 0,03            | 0,03            | 0,04            | 5,89                     | 5,77                     | 23,40                    | 1,87   | 3,37   | 2,88   | 0,08            |
| 1086 | 15:13:16 | 0,03            | 0,07            | 0,06            | 5,89                     | 5,77                     | 23,40                    | 2,91   | 3,20   | 2,76   | 0,13            |
| 1087 | 15:13:21 | 0,42            | 0,22            | 0,14            | 5,89                     | 5,77                     | 23,40                    | 0,56   | 1,35   | 1,73   | 0,68            |
| 1088 | 15:13:26 | 0,11            | 0,08            | 0,09            | 5,89                     | 5,77                     | 23,40                    | 0,69   | 2,70   | 2,92   | 0,22            |
| 1089 | 15:13:31 | 0,02            | 0,06            | 0,07            | 5,89                     | 5,77                     | 23,40                    | 2,96   | 3,10   | 3,40   | 0,12            |
| 1090 | 15:13:36 | 0,07            | 0,05            | 0,13            | 5,89                     | 5,77                     | 23,40                    | 1,60   | 2,70   | 3,59   | 0,17            |
| 1091 | 15:13:41 | 0,50            | 0,35            | 0,30            | 5,89                     | 5,77                     | 23,40                    | 2,10   | 3,52   | 4,98   | 0,90            |
| 1092 | 15:13:46 | 0,64            | 0,41            | 1,26            | 5,89                     | 5,77                     | 23,40                    | 1,02   | 1,60   | 1,16   | 1,65            |
| 1093 | 15:13:51 | 0,27            | 0,25            | 0,84            | 5,89                     | 5,77                     | 23,40                    | 2,44   | 1,96   | 2,02   | 0,99            |
| 1094 | 15:13:56 | 0,27            | 0,27            | 0,83            | 5,89                     | 5,77                     | 23,40                    | 2,59   | 2,66   | 4,61   | 0,99            |
| 1095 | 15:14:01 | 0,27            | 0,28            | 0,74            | 5,89                     | 5,77                     | 23,40                    | 1,92   | 2,35   | 2,52   | 0,92            |
| 1096 | 15:14:06 | 0,51            | 0,37            | 1,01            | 5,89                     | 5,77                     | 23,40                    | 1,59   | 1,00   | 1,61   | 1,34            |
| 1097 | 15:14:11 | 0,24            | 0,32            | 0,79            | 5,89                     | 5,77                     | 23,40                    | 2,45   | 1,12   | 2,30   | 0,97            |
| 1098 | 15:14:16 | 0,33            | 0,43            | 0,79            | 5,90                     | 5,77                     | 23,40                    | 1,76   | 1,70   | 2,48   | 1,10            |
| 1099 | 15:14:21 | 0,47            | 0,50            | 0,66            | 5,90                     | 5,77                     | 23,40                    | 1,00   | 1,50   | 2,45   | 1,17            |
| 1100 | 15:14:26 | 0,60            | 0,68            | 1,38            | 5,90                     | 5,77                     | 23,41                    | 1,66   | 1,40   | 1,62   | 1,88            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1101 | 15:14:31 | 0,62            | 0,60            | 1,65            | 5,91                     | 5,78                     | 23,41                    | 0,57   | 0,97   | 0,95   | 2,04            |
| 1102 | 15:14:36 | 0,18            | 0,17            | 0,23            | 5,91                     | 5,78                     | 23,41                    | 0,95   | 1,31   | 1,61   | 0,42            |
| 1103 | 15:14:41 | 0,06            | 0,07            | 0,16            | 5,91                     | 5,78                     | 23,41                    | 0,53   | 1,49   | 2,26   | 0,21            |
| 1104 | 15:14:46 | 0,01            | 0,04            | 0,18            | 5,91                     | 5,78                     | 23,41                    | 2,43   | 2,57   | 3,09   | 0,19            |
| 1105 | 15:14:51 | 0,01            | 0,03            | 0,19            | 5,91                     | 5,78                     | 23,41                    | 2,36   | 1,71   | 1,77   | 0,19            |
| 1106 | 15:14:56 | 0,01            | 0,03            | 0,15            | 5,91                     | 5,78                     | 23,41                    | 2,85   | 1,94   | 2,04   | 0,15            |
| 1107 | 15:15:01 | 0,01            | 0,03            | 0,13            | 5,91                     | 5,78                     | 23,41                    | 2,86   | 1,94   | 2,34   | 0,14            |
| 1108 | 15:15:06 | 0,30            | 0,20            | 0,98            | 5,91                     | 5,78                     | 23,41                    | 3,30   | 2,43   | 6,71   | 1,10            |
| 1109 | 15:15:11 | 0,25            | 0,19            | 0,20            | 5,91                     | 5,78                     | 23,41                    | 1,39   | 2,52   | 3,70   | 0,48            |
| 1110 | 15:15:16 | 0,41            | 0,56            | 0,50            | 5,91                     | 5,78                     | 23,41                    | 2,38   | 1,88   | 2,28   | 1,09            |
| 1111 | 15:15:21 | 0,69            | 0,60            | 0,84            | 5,91                     | 5,78                     | 23,41                    | 2,26   | 1,97   | 1,92   | 1,54            |
| 1112 | 15:15:26 | 0,65            | 0,60            | 0,55            | 5,91                     | 5,78                     | 23,41                    | 0,96   | 1,41   | 4,18   | 1,35            |
| 1113 | 15:15:31 | 0,65            | 0,41            | 1,59            | 5,92                     | 5,78                     | 23,42                    | 2,28   | 1,45   | 3,27   | 1,92            |
| 1114 | 15:15:36 | 0,52            | 0,59            | 1,28            | 5,92                     | 5,78                     | 23,42                    | 1,56   | 2,22   | 1,38   | 1,69            |
| 1115 | 15:15:41 | 0,27            | 0,81            | 0,73            | 5,92                     | 5,79                     | 23,42                    | 2,08   | 2,28   | 3,20   | 1,40            |
| 1116 | 15:15:46 | 0,36            | 0,42            | 0,98            | 5,92                     | 5,79                     | 23,42                    | 2,52   | 1,92   | 2,78   | 1,25            |
| 1117 | 15:15:51 | 0,38            | 0,47            | 1,12            | 5,92                     | 5,80                     | 23,42                    | 2,16   | 1,97   | 1,87   | 1,40            |
| 1118 | 15:15:56 | 0,43            | 0,52            | 1,06            | 5,93                     | 5,80                     | 23,42                    | 1,92   | 1,47   | 3,63   | 1,43            |
| 1119 | 15:16:01 | 0,41            | 0,63            | 0,94            | 5,93                     | 5,80                     | 23,42                    | 1,62   | 1,64   | 3,06   | 1,41            |
| 1120 | 15:16:06 | 0,47            | 0,51            | 1,34            | 5,93                     | 5,80                     | 23,42                    | 1,14   | 0,86   | 1,20   | 1,66            |
| 1121 | 15:16:11 | 0,34            | 0,45            | 0,78            | 5,93                     | 5,80                     | 23,42                    | 1,69   | 2,93   | 2,48   | 1,11            |
| 1122 | 15:16:16 | 0,41            | 0,38            | 1,41            | 5,93                     | 5,80                     | 23,42                    | 2,01   | 2,57   | 2,86   | 1,62            |
| 1123 | 15:16:21 | 0,35            | 0,36            | 1,05            | 5,93                     | 5,80                     | 23,42                    | 2,09   | 1,18   | 2,31   | 1,26            |
| 1124 | 15:16:26 | 0,48            | 0,72            | 1,78            | 5,93                     | 5,81                     | 23,43                    | 2,65   | 2,45   | 2,57   | 2,15            |
| 1125 | 15:16:31 | 0,69            | 0,72            | 1,58            | 5,93                     | 5,81                     | 23,43                    | 1,91   | 0,90   | 2,87   | 2,11            |
| 1126 | 15:16:36 | 0,49            | 0,43            | 2,19            | 5,93                     | 5,81                     | 23,44                    | 1,78   | 1,28   | 2,19   | 2,37            |
| 1127 | 15:16:41 | 0,41            | 0,46            | 1,52            | 5,93                     | 5,81                     | 23,44                    | 1,36   | 2,54   | 2,28   | 1,75            |
| 1128 | 15:16:46 | 0,34            | 0,39            | 1,40            | 5,93                     | 5,81                     | 23,44                    | 2,96   | 3,32   | 3,11   | 1,57            |
| 1129 | 15:16:51 | 0,44            | 0,46            | 1,58            | 5,93                     | 5,81                     | 23,44                    | 2,16   | 1,56   | 2,64   | 1,82            |
| 1130 | 15:16:56 | 0,47            | 0,41            | 1,86            | 5,93                     | 5,81                     | 23,45                    | 2,67   | 3,01   | 3,44   | 2,06            |
| 1131 | 15:17:01 | 0,40            | 0,40            | 2,45            | 5,94                     | 5,81                     | 23,45                    | 1,79   | 1,34   | 2,01   | 2,57            |
| 1132 | 15:17:06 | 0,53            | 0,33            | 2,24            | 5,94                     | 5,81                     | 23,46                    | 3,20   | 3,06   | 4,48   | 2,40            |
| 1133 | 15:17:11 | 0,59            | 0,39            | 3,04            | 5,94                     | 5,81                     | 23,48                    | 1,89   | 2,58   | 2,07   | 3,20            |
| 1134 | 15:17:16 | 0,68            | 0,81            | 2,86            | 5,94                     | 5,82                     | 23,49                    | 1,60   | 1,38   | 2,26   | 3,22            |
| 1135 | 15:17:21 | 0,38            | 0,45            | 3,03            | 5,94                     | 5,82                     | 23,51                    | 1,92   | 1,62   | 2,21   | 3,14            |
| 1136 | 15:17:26 | 0,34            | 0,29            | 1,76            | 5,94                     | 5,82                     | 23,51                    | 1,14   | 1,62   | 1,76   | 1,87            |
| 1137 | 15:17:32 | 0,43            | 0,36            | 2,96            | 5,94                     | 5,82                     | 23,52                    | 2,43   | 1,92   | 2,36   | 3,06            |
| 1138 | 15:17:37 | 0,37            | 0,24            | 1,47            | 5,94                     | 5,82                     | 23,53                    | 1,10   | 2,59   | 1,53   | 1,60            |
| 1139 | 15:17:42 | 0,42            | 0,37            | 3,33            | 5,94                     | 5,82                     | 23,55                    | 2,23   | 2,21   | 1,98   | 3,42            |
| 1140 | 15:17:47 | 0,46            | 0,35            | 3,16            | 5,94                     | 5,82                     | 23,57                    | 1,81   | 1,86   | 1,91   | 3,26            |
| 1141 | 15:17:52 | 0,41            | 0,31            | 2,19            | 5,94                     | 5,82                     | 23,57                    | 1,67   | 2,09   | 2,60   | 2,30            |
| 1142 | 15:17:57 | 0,27            | 0,39            | 1,39            | 5,94                     | 5,82                     | 23,57                    | 2,60   | 1,35   | 2,00   | 1,54            |
| 1143 | 15:18:02 | 0,42            | 0,41            | 2,60            | 5,94                     | 5,82                     | 23,58                    | 2,21   | 2,41   | 1,87   | 2,73            |
| 1144 | 15:18:07 | 0,44            | 0,39            | 2,83            | 5,95                     | 5,82                     | 23,60                    | 1,66   | 1,50   | 1,61   | 2,95            |
| 1145 | 15:18:12 | 0,53            | 0,41            | 3,22            | 5,95                     | 5,82                     | 23,63                    | 2,35   | 2,35   | 2,40   | 3,35            |
| 1146 | 15:18:17 | 0,43            | 0,53            | 3,88            | 5,95                     | 5,82                     | 23,66                    | 2,41   | 1,56   | 1,85   | 3,99            |
| 1147 | 15:18:22 | 0,49            | 0,36            | 2,22            | 5,95                     | 5,82                     | 23,66                    | 1,49   | 1,42   | 1,72   | 2,38            |
| 1148 | 15:18:27 | 0,51            | 0,43            | 2,53            | 5,95                     | 5,83                     | 23,67                    | 1,51   | 2,10   | 2,23   | 2,70            |
| 1149 | 15:18:32 | 0,45            | 0,55            | 2,96            | 5,95                     | 5,83                     | 23,69                    | 1,23   | 2,85   | 0,89   | 3,13            |
| 1150 | 15:18:37 | 0,35            | 0,41            | 2,30            | 5,95                     | 5,83                     | 23,69                    | 1,86   | 2,18   | 1,45   | 2,42            |
| 1151 | 15:18:42 | 0,41            | 0,52            | 2,83            | 5,95                     | 5,83                     | 23,71                    | 1,83   | 2,40   | 2,03   | 2,98            |
| 1152 | 15:18:47 | 0,44            | 0,51            | 3,73            | 5,95                     | 5,83                     | 23,74                    | 2,04   | 1,57   | 1,97   | 3,84            |
| 1153 | 15:18:52 | 0,54            | 0,43            | 2,93            | 5,95                     | 5,83                     | 23,76                    | 1,17   | 1,97   | 1,97   | 3,09            |
| 1154 | 15:18:57 | 0,76            | 0,68            | 2,84            | 5,96                     | 5,84                     | 23,77                    | 2,06   | 2,07   | 2,48   | 3,18            |
| 1155 | 15:19:02 | 0,59            | 0,50            | 2,97            | 5,96                     | 5,84                     | 23,79                    | 2,83   | 2,62   | 2,38   | 3,17            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1156 | 15:19:07 | 0,52            | 0,46            | 3,10            | 5,96                     | 5,84                     | 23,81                    | 2,32   | 1,61   | 2,08   | 3,25            |
| 1157 | 15:19:12 | 0,35            | 0,35            | 2,46            | 5,96                     | 5,84                     | 23,82                    | 2,42   | 1,26   | 1,47   | 2,56            |
| 1158 | 15:19:17 | 0,34            | 0,30            | 2,28            | 5,96                     | 5,84                     | 23,82                    | 2,20   | 2,32   | 2,28   | 2,37            |
| 1159 | 15:19:22 | 0,36            | 0,40            | 1,69            | 5,96                     | 5,84                     | 23,82                    | 3,06   | 1,41   | 2,45   | 1,86            |
| 1160 | 15:19:27 | 0,41            | 0,31            | 2,14            | 5,96                     | 5,84                     | 23,83                    | 1,67   | 1,52   | 1,66   | 2,26            |
| 1161 | 15:19:32 | 0,32            | 0,25            | 1,45            | 5,96                     | 5,84                     | 23,83                    | 3,55   | 2,33   | 2,97   | 1,56            |
| 1162 | 15:19:37 | 0,29            | 0,42            | 1,32            | 5,96                     | 5,84                     | 23,83                    | 1,53   | 1,12   | 1,24   | 1,51            |
| 1163 | 15:19:42 | 0,32            | 0,41            | 1,03            | 5,96                     | 5,84                     | 23,83                    | 2,95   | 1,08   | 3,30   | 1,26            |
| 1164 | 15:19:47 | 0,36            | 0,32            | 0,92            | 5,96                     | 5,84                     | 23,83                    | 2,26   | 1,38   | 2,54   | 1,14            |
| 1165 | 15:19:52 | 0,39            | 0,51            | 1,15            | 5,96                     | 5,84                     | 23,83                    | 3,46   | 1,53   | 3,50   | 1,46            |
| 1166 | 15:19:57 | 0,75            | 0,51            | 1,68            | 5,97                     | 5,84                     | 23,83                    | 1,15   | 1,65   | 3,01   | 2,11            |
| 1167 | 15:20:02 | 0,63            | 0,57            | 2,65            | 5,97                     | 5,85                     | 23,85                    | 4,25   | 2,06   | 4,03   | 2,90            |
| 1168 | 15:20:07 | 0,40            | 0,65            | 1,70            | 5,97                     | 5,85                     | 23,85                    | 2,66   | 1,47   | 2,48   | 2,01            |
| 1169 | 15:20:12 | 0,90            | 0,77            | 2,66            | 5,98                     | 5,86                     | 23,87                    | 1,29   | 2,08   | 2,13   | 3,14            |
| 1170 | 15:20:17 | 0,39            | 1,20            | 1,10            | 5,98                     | 5,89                     | 23,88                    | 1,18   | 0,93   | 1,08   | 2,08            |
| 1171 | 15:20:22 | 0,21            | 0,29            | 0,45            | 5,98                     | 5,89                     | 23,88                    | 3,12   | 3,02   | 3,64   | 0,67            |
| 1172 | 15:20:27 | 0,81            | 0,69            | 1,48            | 5,99                     | 5,90                     | 23,88                    | 1,02   | 2,13   | 1,35   | 2,10            |
| 1173 | 15:20:32 | 0,43            | 0,58            | 0,91            | 5,99                     | 5,90                     | 23,88                    | 2,14   | 2,70   | 3,05   | 1,37            |
| 1174 | 15:20:37 | 0,43            | 0,33            | 0,91            | 5,99                     | 5,90                     | 23,88                    | 2,29   | 1,29   | 1,63   | 1,18            |
| 1175 | 15:20:42 | 0,24            | 0,17            | 2,69            | 5,99                     | 5,90                     | 23,92                    | 0,58   | 1,52   | 0,71   | 2,72            |
| 1176 | 15:20:47 | 0,19            | 0,15            | 1,64            | 5,99                     | 5,90                     | 23,93                    | 5,80   | 5,26   | 4,63   | 1,67            |
| 1177 | 15:20:52 | 0,68            | 0,36            | 3,61            | 6,00                     | 5,90                     | 24,03                    | 0,67   | 0,96   | 0,43   | 3,77            |
| 1178 | 15:20:57 | 0,22            | 0,09            | 0,31            | 6,00                     | 5,90                     | 24,03                    | 0,72   | 1,89   | 0,54   | 0,46            |
| 1179 | 15:21:02 | 0,05            | 0,05            | 0,07            | 6,00                     | 5,90                     | 24,03                    | 1,06   | 0,69   | 2,23   | 0,12            |
| 1180 | 15:21:07 | 0,01            | 0,01            | 0,07            | 6,00                     | 5,90                     | 24,03                    | 0,91   | 3,06   | 1,96   | 0,07            |
| 1181 | 15:21:12 | 0,01            | 0,01            | 0,07            | 6,00                     | 5,90                     | 24,03                    | 3,23   | 4,34   | 2,29   | 0,07            |
| 1182 | 15:21:17 | 0,10            | 0,20            | 0,29            | 6,00                     | 5,90                     | 24,03                    | 4,74   | 5,08   | 3,95   | 0,43            |
| 1183 | 15:21:22 | 0,71            | 0,28            | 1,42            | 6,00                     | 5,90                     | 24,04                    | 1,13   | 1,80   | 1,20   | 1,78            |
| 1184 | 15:21:27 | 0,26            | 0,50            | 0,65            | 6,00                     | 5,90                     | 24,04                    | 2,35   | 1,98   | 2,83   | 1,02            |
| 1185 | 15:21:32 | 0,38            | 0,33            | 0,96            | 6,00                     | 5,90                     | 24,04                    | 2,07   | 1,35   | 2,24   | 1,20            |
| 1186 | 15:21:37 | 0,41            | 0,49            | 0,87            | 6,00                     | 5,90                     | 24,04                    | 2,32   | 1,36   | 2,74   | 1,24            |
| 1187 | 15:21:42 | 0,34            | 0,44            | 0,70            | 6,00                     | 5,90                     | 24,04                    | 2,12   | 0,62   | 2,57   | 1,05            |
| 1188 | 15:21:47 | 0,23            | 0,28            | 0,65            | 6,00                     | 5,90                     | 24,04                    | 2,03   | 2,68   | 2,69   | 0,83            |
| 1189 | 15:21:52 | 0,27            | 0,25            | 0,80            | 6,00                     | 5,90                     | 24,04                    | 2,03   | 1,75   | 2,33   | 0,95            |
| 1190 | 15:21:57 | 0,31            | 0,34            | 0,85            | 6,00                     | 5,90                     | 24,04                    | 2,97   | 1,70   | 2,91   | 1,07            |
| 1191 | 15:22:02 | 0,24            | 0,41            | 0,80            | 6,00                     | 5,90                     | 24,04                    | 2,53   | 2,07   | 2,31   | 1,04            |
| 1192 | 15:22:07 | 0,35            | 0,39            | 1,08            | 6,00                     | 5,90                     | 24,04                    | 2,31   | 1,51   | 1,25   | 1,31            |
| 1193 | 15:22:12 | 0,26            | 0,35            | 0,79            | 6,00                     | 5,90                     | 24,04                    | 2,39   | 2,39   | 2,89   | 0,99            |
| 1194 | 15:22:17 | 0,44            | 0,42            | 0,86            | 6,01                     | 5,90                     | 24,04                    | 1,78   | 1,73   | 2,16   | 1,21            |
| 1195 | 15:22:22 | 0,35            | 0,37            | 0,83            | 6,01                     | 5,90                     | 24,04                    | 2,62   | 2,40   | 2,51   | 1,09            |
| 1196 | 15:22:27 | 0,53            | 0,36            | 1,13            | 6,01                     | 5,90                     | 24,04                    | 2,34   | 2,64   | 4,01   | 1,44            |
| 1197 | 15:22:32 | 0,35            | 0,41            | 0,78            | 6,01                     | 5,90                     | 24,04                    | 1,41   | 2,60   | 2,46   | 1,08            |
| 1198 | 15:22:37 | 0,28            | 0,32            | 0,79            | 6,01                     | 5,90                     | 24,04                    | 2,26   | 2,08   | 2,62   | 0,99            |
| 1199 | 15:22:42 | 0,40            | 0,39            | 0,98            | 6,01                     | 5,90                     | 24,04                    | 2,32   | 2,80   | 3,18   | 1,26            |
| 1200 | 15:22:47 | 0,29            | 0,34            | 0,78            | 6,01                     | 5,91                     | 24,04                    | 1,22   | 1,53   | 1,42   | 1,00            |
| 1201 | 15:22:52 | 0,31            | 0,36            | 0,62            | 6,01                     | 5,91                     | 24,04                    | 2,78   | 2,45   | 2,29   | 0,91            |
| 1202 | 15:22:57 | 0,28            | 0,33            | 0,73            | 6,01                     | 5,91                     | 24,04                    | 2,70   | 2,41   | 2,68   | 0,95            |
| 1203 | 15:23:02 | 0,35            | 0,32            | 0,98            | 6,01                     | 5,91                     | 24,04                    | 1,39   | 1,14   | 2,16   | 1,18            |
| 1204 | 15:23:07 | 0,35            | 0,31            | 0,96            | 6,01                     | 5,91                     | 24,04                    | 1,99   | 2,40   | 1,77   | 1,16            |
| 1205 | 15:23:12 | 0,33            | 0,44            | 0,79            | 6,01                     | 5,91                     | 24,04                    | 2,00   | 2,70   | 3,06   | 1,11            |
| 1206 | 15:23:17 | 0,43            | 0,29            | 1,74            | 6,01                     | 5,91                     | 24,05                    | 0,52   | 0,40   | 0,42   | 1,88            |
| 1207 | 15:23:22 | 0,48            | 0,08            | 1,25            | 6,01                     | 5,91                     | 24,05                    | 1,86   | 2,39   | 1,58   | 1,43            |
| 1208 | 15:23:27 | 0,27            | 0,04            | 0,35            | 6,01                     | 5,91                     | 24,05                    | 1,70   | 0,50   | 0,62   | 0,51            |
| 1209 | 15:23:32 | 0,18            | 0,01            | 0,05            | 6,01                     | 5,91                     | 24,05                    | 0,64   | 2,78   | 2,19   | 0,26            |
| 1210 | 15:23:37 | 0,07            | 0,01            | 0,04            | 6,01                     | 5,91                     | 24,05                    | 0,67   | 1,86   | 1,69   | 0,11            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1211 | 15:23:42 | 0,01            | 0,01            | 0,02            | 6,01                     | 5,91                     | 24,05                    | 0,88   | 2,09   | 2,73   | 0,03            |
| 1212 | 15:23:47 | 0,01            | 0,01            | 0,04            | 6,01                     | 5,91                     | 24,05                    | 2,81   | 2,36   | 2,98   | 0,04            |
| 1213 | 15:23:52 | 0,01            | 0,01            | 0,03            | 6,01                     | 5,91                     | 24,05                    | 1,78   | 1,25   | 1,67   | 0,03            |
| 1214 | 15:23:57 | 0,01            | 0,01            | 0,02            | 6,01                     | 5,91                     | 24,05                    | 2,01   | 1,87   | 2,59   | 0,03            |
| 1215 | 15:24:02 | 0,01            | 0,01            | 0,02            | 6,01                     | 5,91                     | 24,05                    | 2,11   | 2,50   | 3,02   | 0,02            |
| 1216 | 15:24:07 | 0,01            | 0,01            | 0,02            | 6,01                     | 5,91                     | 24,05                    | 3,77   | 2,07   | 3,73   | 0,03            |
| 1217 | 15:24:12 | 0,01            | 0,01            | 0,02            | 6,01                     | 5,91                     | 24,05                    | 1,58   | 1,74   | 2,34   | 0,02            |
| 1218 | 15:24:17 | 0,01            | 0,01            | 0,03            | 6,01                     | 5,91                     | 24,05                    | 2,28   | 1,83   | 2,33   | 0,03            |
| 1219 | 15:24:22 | 0,04            | 0,05            | 0,09            | 6,01                     | 5,91                     | 24,05                    | 2,69   | 3,39   | 2,50   | 0,12            |
| 1220 | 15:24:27 | 0,05            | 0,09            | 0,04            | 6,01                     | 5,91                     | 24,05                    | 0,35   | 0,11   | 1,81   | 0,15            |
| 1221 | 15:24:32 | 0,06            | 0,09            | 0,12            | 6,01                     | 5,91                     | 24,05                    | 4,26   | 3,85   | 5,62   | 0,20            |
| 1222 | 15:24:37 | 0,08            | 0,16            | 0,08            | 6,01                     | 5,91                     | 24,05                    | 0,53   | 1,63   | 1,74   | 0,26            |
| 1223 | 15:24:42 | 0,36            | 0,20            | 0,53            | 6,01                     | 5,91                     | 24,05                    | 5,55   | 1,61   | 7,66   | 0,79            |
| 1224 | 15:24:47 | 0,44            | 0,27            | 0,70            | 6,01                     | 5,91                     | 24,05                    | 3,00   | 2,99   | 5,26   | 1,01            |
| 1225 | 15:24:52 | 0,69            | 0,52            | 2,97            | 6,02                     | 5,91                     | 24,08                    | 1,97   | 2,26   | 1,28   | 3,20            |
| 1226 | 15:24:57 | 0,88            | 0,84            | 1,99            | 6,03                     | 5,91                     | 24,08                    | 2,20   | 2,22   | 2,62   | 2,61            |
| 1227 | 15:25:02 | 0,78            | 0,58            | 2,62            | 6,03                     | 5,92                     | 24,10                    | 2,60   | 2,49   | 4,09   | 2,95            |
| 1228 | 15:25:07 | 0,66            | 0,72            | 3,31            | 6,03                     | 5,92                     | 24,13                    | 1,62   | 2,19   | 2,06   | 3,58            |
| 1229 | 15:25:12 | 0,45            | 0,51            | 3,43            | 6,04                     | 5,92                     | 24,16                    | 1,95   | 3,03   | 2,26   | 3,56            |
| 1230 | 15:25:17 | 0,69            | 0,83            | 2,48            | 6,04                     | 5,93                     | 24,16                    | 1,69   | 2,58   | 2,23   | 2,90            |
| 1231 | 15:25:22 | 0,83            | 0,59            | 2,33            | 6,04                     | 5,93                     | 24,18                    | 2,59   | 1,72   | 1,57   | 2,74            |
| 1232 | 15:25:27 | 0,67            | 0,79            | 2,92            | 6,05                     | 5,94                     | 24,20                    | 1,81   | 1,12   | 2,59   | 3,26            |
| 1233 | 15:25:32 | 0,67            | 0,61            | 2,29            | 6,05                     | 5,94                     | 24,20                    | 1,54   | 1,24   | 3,09   | 2,62            |
| 1234 | 15:25:37 | 0,43            | 0,51            | 3,07            | 6,05                     | 5,94                     | 24,22                    | 2,44   | 2,26   | 2,20   | 3,21            |
| 1235 | 15:25:42 | 0,35            | 0,45            | 2,24            | 6,05                     | 5,94                     | 24,23                    | 1,39   | 2,13   | 1,53   | 2,38            |
| 1236 | 15:25:47 | 0,48            | 0,45            | 2,04            | 6,05                     | 5,95                     | 24,23                    | 1,44   | 1,09   | 1,28   | 2,24            |
| 1237 | 15:25:52 | 0,24            | 0,30            | 0,74            | 6,05                     | 5,95                     | 24,23                    | 1,56   | 2,37   | 2,58   | 0,92            |
| 1238 | 15:25:57 | 0,30            | 0,32            | 1,00            | 6,05                     | 5,95                     | 24,23                    | 3,45   | 2,33   | 2,60   | 1,18            |
| 1239 | 15:26:02 | 0,28            | 0,30            | 0,80            | 6,05                     | 5,95                     | 24,23                    | 1,76   | 1,65   | 1,43   | 0,98            |
| 1240 | 15:26:07 | 0,29            | 0,34            | 0,70            | 6,05                     | 5,95                     | 24,23                    | 2,63   | 1,36   | 2,57   | 0,94            |
| 1241 | 15:26:12 | 0,23            | 0,75            | 0,70            | 6,05                     | 5,95                     | 24,23                    | 1,78   | 0,75   | 2,36   | 1,30            |
| 1242 | 15:26:17 | 0,24            | 0,35            | 0,56            | 6,05                     | 5,95                     | 24,23                    | 1,46   | 2,59   | 3,02   | 0,81            |
| 1243 | 15:26:22 | 0,28            | 0,44            | 0,64            | 6,05                     | 5,95                     | 24,23                    | 2,38   | 1,71   | 2,32   | 0,97            |
| 1244 | 15:26:27 | 0,29            | 0,59            | 0,81            | 6,05                     | 5,96                     | 24,23                    | 3,11   | 1,92   | 3,98   | 1,23            |
| 1245 | 15:26:32 | 0,27            | 0,38            | 0,81            | 6,05                     | 5,96                     | 24,23                    | 2,72   | 2,07   | 2,86   | 1,04            |
| 1246 | 15:26:37 | 0,42            | 0,40            | 0,97            | 6,05                     | 5,96                     | 24,23                    | 2,58   | 2,03   | 3,39   | 1,26            |
| 1247 | 15:26:42 | 0,34            | 0,36            | 1,21            | 6,05                     | 5,96                     | 24,23                    | 1,68   | 2,19   | 2,73   | 1,39            |
| 1248 | 15:26:47 | 0,56            | 0,43            | 1,07            | 6,05                     | 5,96                     | 24,23                    | 1,43   | 2,24   | 3,66   | 1,46            |
| 1249 | 15:26:52 | 0,39            | 0,40            | 1,34            | 6,05                     | 5,96                     | 24,24                    | 2,60   | 1,89   | 3,12   | 1,55            |
| 1250 | 15:26:57 | 0,41            | 0,33            | 1,26            | 6,06                     | 5,96                     | 24,24                    | 2,25   | 1,90   | 3,08   | 1,46            |
| 1251 | 15:27:02 | 0,47            | 0,36            | 1,29            | 6,06                     | 5,96                     | 24,24                    | 2,55   | 2,25   | 2,00   | 1,54            |
| 1252 | 15:27:07 | 0,33            | 0,32            | 0,96            | 6,06                     | 5,96                     | 24,24                    | 1,23   | 2,11   | 2,10   | 1,15            |
| 1253 | 15:27:12 | 0,48            | 0,32            | 1,51            | 6,06                     | 5,96                     | 24,24                    | 2,08   | 2,47   | 2,06   | 1,71            |
| 1254 | 15:27:17 | 0,40            | 0,39            | 1,30            | 6,06                     | 5,96                     | 24,24                    | 2,59   | 1,09   | 1,66   | 1,52            |
| 1255 | 15:27:22 | 0,32            | 0,36            | 1,07            | 6,06                     | 5,96                     | 24,24                    | 2,05   | 2,41   | 2,11   | 1,27            |
| 1256 | 15:27:27 | 0,27            | 0,38            | 0,86            | 6,06                     | 5,96                     | 24,24                    | 1,39   | 2,67   | 1,32   | 1,08            |
| 1257 | 15:27:32 | 0,33            | 0,39            | 1,19            | 6,06                     | 5,96                     | 24,24                    | 2,64   | 1,61   | 1,93   | 1,39            |
| 1258 | 15:27:37 | 0,35            | 0,43            | 0,96            | 6,06                     | 5,96                     | 24,24                    | 1,75   | 2,38   | 3,07   | 1,23            |
| 1259 | 15:27:42 | 0,90            | 0,56            | 2,99            | 6,07                     | 5,96                     | 24,26                    | 4,10   | 3,87   | 2,29   | 3,33            |
| 1260 | 15:27:47 | 0,83            | 0,74            | 1,71            | 6,09                     | 5,97                     | 24,27                    | 0,87   | 1,83   | 1,21   | 2,31            |
| 1261 | 15:27:52 | 0,32            | 0,49            | 1,11            | 6,09                     | 5,98                     | 24,27                    | 3,19   | 1,55   | 3,54   | 1,38            |
| 1262 | 15:27:57 | 0,37            | 0,26            | 2,59            | 6,09                     | 5,98                     | 24,28                    | 0,40   | 0,55   | 0,56   | 2,67            |
| 1263 | 15:28:02 | 0,09            | 0,07            | 0,36            | 6,09                     | 5,98                     | 24,28                    | 2,58   | 2,38   | 2,04   | 0,39            |
| 1264 | 15:28:07 | 0,62            | 0,20            | 0,90            | 6,09                     | 5,98                     | 24,28                    | 1,05   | 2,51   | 0,89   | 1,29            |
| 1265 | 15:28:12 | 0,19            | 0,19            | 0,22            | 6,09                     | 5,98                     | 24,28                    | 1,80   | 1,01   | 1,23   | 0,43            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1266 | 15:28:17 | 0,10            | 0,09            | 0,08            | 6,09                     | 5,98                     | 24,28                    | 1,01   | 1,21   | 1,75   | 0,20            |
| 1267 | 15:28:22 | 0,04            | 0,05            | 0,06            | 6,09                     | 5,98                     | 24,28                    | 1,07   | 1,70   | 2,72   | 0,11            |
| 1268 | 15:28:27 | 0,02            | 0,05            | 0,06            | 6,09                     | 5,98                     | 24,28                    | 2,59   | 2,60   | 2,16   | 0,09            |
| 1269 | 15:28:32 | 0,02            | 0,04            | 0,06            | 6,09                     | 5,98                     | 24,28                    | 2,08   | 2,05   | 2,21   | 0,09            |
| 1270 | 15:28:37 | 0,02            | 0,04            | 0,06            | 6,09                     | 5,98                     | 24,28                    | 2,71   | 1,96   | 2,45   | 0,09            |
| 1271 | 15:28:42 | 0,02            | 0,05            | 0,06            | 6,09                     | 5,98                     | 24,28                    | 4,23   | 3,34   | 3,02   | 0,09            |
| 1272 | 15:28:47 | 0,40            | 0,18            | 0,12            | 6,09                     | 5,98                     | 24,28                    | 3,12   | 4,14   | 4,36   | 0,62            |
| 1273 | 15:28:52 | 0,34            | 0,38            | 0,67            | 6,09                     | 5,98                     | 24,28                    | 1,31   | 1,69   | 2,31   | 0,98            |
| 1274 | 15:28:57 | 0,21            | 0,29            | 0,47            | 6,09                     | 5,98                     | 24,28                    | 2,15   | 1,88   | 2,11   | 0,69            |
| 1275 | 15:29:02 | 0,73            | 0,34            | 1,02            | 6,10                     | 5,98                     | 24,28                    | 1,34   | 4,08   | 4,55   | 1,53            |
| 1276 | 15:29:07 | 0,44            | 0,55            | 0,93            | 6,10                     | 5,98                     | 24,29                    | 2,07   | 1,42   | 1,89   | 1,36            |
| 1277 | 15:29:12 | 0,38            | 0,51            | 0,82            | 6,10                     | 5,98                     | 24,29                    | 1,38   | 2,55   | 3,37   | 1,21            |
| 1278 | 15:29:17 | 0,33            | 0,55            | 0,66            | 6,10                     | 5,98                     | 24,29                    | 1,32   | 1,95   | 1,37   | 1,12            |
| 1279 | 15:29:22 | 0,31            | 0,38            | 0,65            | 6,10                     | 5,98                     | 24,29                    | 1,92   | 1,70   | 2,72   | 0,94            |
| 1280 | 15:29:27 | 0,32            | 0,24            | 0,87            | 6,10                     | 5,98                     | 24,29                    | 3,18   | 2,00   | 3,81   | 1,04            |
| 1281 | 15:29:32 | 0,27            | 0,39            | 0,81            | 6,10                     | 5,98                     | 24,29                    | 1,85   | 2,49   | 2,66   | 1,05            |
| 1282 | 15:29:37 | 0,25            | 0,28            | 0,78            | 6,10                     | 5,98                     | 24,29                    | 2,69   | 2,31   | 2,09   | 0,94            |
| 1283 | 15:29:42 | 0,33            | 0,34            | 0,98            | 6,10                     | 5,98                     | 24,29                    | 1,34   | 2,81   | 1,71   | 1,18            |
| 1284 | 15:29:47 | 0,23            | 0,33            | 0,80            | 6,10                     | 5,98                     | 24,29                    | 2,82   | 2,41   | 2,59   | 0,98            |
| 1285 | 15:29:52 | 0,25            | 0,52            | 1,02            | 6,10                     | 5,98                     | 24,29                    | 1,63   | 0,91   | 2,07   | 1,30            |
| 1286 | 15:29:57 | 0,42            | 0,48            | 1,07            | 6,10                     | 5,98                     | 24,29                    | 1,75   | 1,55   | 1,57   | 1,39            |
| 1287 | 15:30:02 | 0,36            | 0,37            | 1,19            | 6,10                     | 5,98                     | 24,29                    | 1,58   | 1,98   | 1,81   | 1,39            |
| 1288 | 15:30:07 | 0,36            | 0,44            | 1,09            | 6,10                     | 5,98                     | 24,29                    | 3,67   | 1,11   | 4,23   | 1,35            |
| 1289 | 15:30:12 | 0,34            | 0,37            | 0,84            | 6,10                     | 5,98                     | 24,29                    | 2,59   | 1,11   | 2,67   | 1,10            |
| 1290 | 15:30:17 | 0,46            | 0,81            | 1,03            | 6,10                     | 5,99                     | 24,29                    | 2,10   | 1,84   | 2,70   | 1,66            |
| 1291 | 15:30:22 | 0,41            | 0,46            | 1,03            | 6,10                     | 5,99                     | 24,29                    | 2,25   | 2,04   | 1,68   | 1,34            |
| 1292 | 15:30:27 | 0,47            | 0,27            | 1,12            | 6,10                     | 5,99                     | 24,29                    | 1,13   | 2,62   | 2,30   | 1,35            |
| 1293 | 15:30:32 | 0,17            | 0,33            | 0,43            | 6,10                     | 5,99                     | 24,29                    | 3,47   | 1,01   | 1,35   | 0,67            |
| 1294 | 15:30:37 | 0,16            | 0,17            | 0,27            | 6,10                     | 5,99                     | 24,29                    | 1,69   | 1,60   | 2,27   | 0,42            |
| 1295 | 15:30:42 | 0,43            | 0,21            | 0,52            | 6,11                     | 5,99                     | 24,29                    | 0,67   | 1,18   | 0,63   | 0,85            |
| 1296 | 15:30:47 | 0,36            | 0,30            | 0,42            | 6,11                     | 5,99                     | 24,29                    | 1,63   | 2,10   | 2,54   | 0,78            |
| 1297 | 15:30:52 | 0,26            | 0,31            | 0,69            | 6,11                     | 5,99                     | 24,29                    | 2,42   | 1,76   | 3,10   | 0,89            |
| 1298 | 15:30:57 | 0,27            | 0,32            | 0,82            | 6,11                     | 5,99                     | 24,29                    | 1,55   | 1,86   | 1,65   | 1,01            |
| 1299 | 15:31:02 | 0,29            | 0,31            | 0,59            | 6,11                     | 5,99                     | 24,29                    | 2,10   | 2,72   | 3,17   | 0,83            |
| 1300 | 15:31:07 | 0,31            | 0,31            | 0,49            | 6,11                     | 5,99                     | 24,29                    | 1,78   | 1,91   | 4,08   | 0,78            |
| 1301 | 15:31:12 | 0,46            | 0,35            | 0,99            | 6,11                     | 5,99                     | 24,29                    | 1,91   | 1,72   | 1,26   | 1,28            |
| 1302 | 15:31:17 | 0,28            | 0,41            | 0,54            | 6,11                     | 5,99                     | 24,29                    | 2,02   | 1,78   | 2,18   | 0,88            |
| 1303 | 15:31:22 | 0,36            | 0,36            | 0,79            | 6,11                     | 5,99                     | 24,29                    | 2,74   | 1,79   | 4,30   | 1,06            |
| 1304 | 15:31:27 | 0,36            | 0,37            | 0,73            | 6,11                     | 5,99                     | 24,29                    | 2,98   | 1,88   | 2,42   | 1,03            |
| 1305 | 15:31:32 | 0,43            | 0,23            | 0,77            | 6,11                     | 5,99                     | 24,29                    | 2,57   | 1,40   | 2,89   | 1,03            |
| 1306 | 15:31:37 | 0,39            | 0,28            | 0,66            | 6,11                     | 5,99                     | 24,29                    | 1,75   | 1,89   | 2,21   | 0,94            |
| 1307 | 15:31:42 | 0,30            | 0,34            | 0,85            | 6,11                     | 5,99                     | 24,29                    | 2,39   | 1,99   | 1,97   | 1,06            |
| 1308 | 15:31:47 | 0,26            | 0,35            | 1,27            | 6,11                     | 5,99                     | 24,29                    | 3,26   | 1,26   | 2,74   | 1,41            |
| 1309 | 15:31:52 | 0,30            | 0,27            | 1,53            | 6,11                     | 5,99                     | 24,29                    | 1,71   | 2,20   | 1,49   | 1,63            |
| 1310 | 15:31:57 | 0,29            | 0,25            | 1,50            | 6,11                     | 5,99                     | 24,29                    | 2,86   | 2,79   | 3,28   | 1,60            |
| 1311 | 15:32:02 | 0,27            | 0,26            | 1,33            | 6,11                     | 5,99                     | 24,30                    | 2,50   | 1,39   | 2,06   | 1,43            |
| 1312 | 15:32:07 | 0,29            | 0,36            | 0,95            | 6,11                     | 5,99                     | 24,30                    | 3,29   | 2,10   | 3,33   | 1,15            |
| 1313 | 15:32:12 | 0,28            | 0,33            | 0,98            | 6,11                     | 5,99                     | 24,30                    | 1,35   | 1,20   | 2,35   | 1,16            |
| 1314 | 15:32:17 | 0,28            | 0,28            | 1,22            | 6,11                     | 5,99                     | 24,30                    | 2,29   | 2,31   | 2,58   | 1,34            |
| 1315 | 15:32:22 | 0,31            | 0,25            | 0,98            | 6,11                     | 5,99                     | 24,30                    | 2,52   | 2,41   | 3,21   | 1,12            |
| 1316 | 15:32:27 | 0,31            | 0,36            | 1,03            | 6,11                     | 5,99                     | 24,30                    | 1,34   | 2,33   | 2,06   | 1,23            |
| 1317 | 15:32:32 | 0,34            | 0,34            | 1,05            | 6,11                     | 5,99                     | 24,30                    | 1,60   | 1,95   | 2,15   | 1,25            |
| 1318 | 15:32:37 | 0,45            | 0,32            | 1,69            | 6,11                     | 5,99                     | 24,30                    | 2,04   | 1,65   | 1,18   | 1,85            |
| 1319 | 15:32:42 | 0,39            | 0,34            | 1,14            | 6,11                     | 5,99                     | 24,30                    | 2,23   | 1,81   | 2,42   | 1,35            |
| 1320 | 15:32:47 | 0,28            | 0,25            | 0,99            | 6,11                     | 5,99                     | 24,30                    | 2,49   | 1,62   | 2,65   | 1,12            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1321 | 15:32:52 | 0,33            | 0,35            | 1,71            | 6,11                     | 6,00                     | 24,30                    | 1,57   | 1,74   | 1,18   | 1,84            |
| 1322 | 15:32:57 | 0,24            | 0,21            | 0,75            | 6,11                     | 6,00                     | 24,30                    | 3,41   | 2,30   | 2,21   | 0,87            |
| 1323 | 15:33:02 | 0,29            | 0,32            | 0,75            | 6,11                     | 6,00                     | 24,30                    | 2,49   | 2,81   | 3,21   | 0,96            |
| 1324 | 15:33:07 | 0,20            | 0,22            | 0,70            | 6,11                     | 6,00                     | 24,30                    | 1,90   | 2,06   | 2,30   | 0,82            |
| 1325 | 15:33:12 | 0,18            | 0,29            | 0,65            | 6,11                     | 6,00                     | 24,30                    | 2,86   | 1,56   | 2,04   | 0,81            |
| 1326 | 15:33:17 | 0,23            | 0,29            | 0,68            | 6,11                     | 6,00                     | 24,30                    | 1,32   | 1,60   | 2,05   | 0,86            |
| 1327 | 15:33:22 | 0,24            | 0,39            | 0,96            | 6,11                     | 6,00                     | 24,30                    | 1,61   | 1,16   | 1,15   | 1,15            |
| 1328 | 15:33:27 | 0,23            | 0,25            | 0,84            | 6,11                     | 6,00                     | 24,30                    | 2,75   | 2,22   | 2,01   | 0,97            |
| 1329 | 15:33:32 | 0,27            | 0,30            | 1,09            | 6,11                     | 6,00                     | 24,31                    | 2,06   | 1,71   | 3,27   | 1,23            |
| 1330 | 15:33:37 | 0,23            | 0,26            | 0,89            | 6,11                     | 6,00                     | 24,31                    | 2,53   | 2,89   | 2,05   | 1,02            |
| 1331 | 15:33:42 | 0,37            | 0,36            | 1,48            | 6,11                     | 6,00                     | 24,31                    | 3,42   | 1,66   | 3,04   | 1,65            |
| 1332 | 15:33:47 | 0,35            | 0,40            | 1,28            | 6,11                     | 6,00                     | 24,31                    | 2,57   | 2,82   | 3,39   | 1,48            |
| 1333 | 15:33:52 | 0,85            | 0,96            | 2,44            | 6,12                     | 6,00                     | 24,32                    | 1,58   | 1,62   | 1,92   | 3,02            |
| 1334 | 15:33:57 | 0,58            | 0,77            | 1,40            | 6,12                     | 6,01                     | 24,32                    | 1,58   | 1,62   | 1,98   | 1,95            |
| 1335 | 15:34:02 | 0,41            | 0,52            | 1,27            | 6,12                     | 6,01                     | 24,32                    | 1,57   | 2,09   | 2,18   | 1,57            |
| 1336 | 15:34:07 | 0,26            | 0,42            | 1,02            | 6,12                     | 6,01                     | 24,32                    | 1,69   | 2,55   | 3,01   | 1,23            |
| 1337 | 15:34:12 | 0,43            | 0,33            | 1,40            | 6,12                     | 6,01                     | 24,32                    | 1,31   | 1,86   | 1,07   | 1,59            |
| 1338 | 15:34:17 | 0,35            | 0,34            | 0,92            | 6,12                     | 6,01                     | 24,32                    | 2,54   | 2,08   | 2,78   | 1,14            |
| 1339 | 15:34:22 | 0,42            | 0,29            | 1,51            | 6,12                     | 6,01                     | 24,32                    | 1,47   | 2,11   | 2,87   | 1,67            |
| 1340 | 15:34:27 | 0,27            | 0,29            | 0,98            | 6,12                     | 6,01                     | 24,32                    | 3,09   | 0,79   | 1,66   | 1,12            |
| 1341 | 15:34:32 | 0,30            | 0,22            | 1,02            | 6,12                     | 6,01                     | 24,32                    | 1,79   | 1,76   | 2,17   | 1,15            |
| 1342 | 15:34:37 | 0,34            | 0,29            | 1,19            | 6,12                     | 6,01                     | 24,32                    | 1,29   | 2,16   | 1,42   | 1,35            |
| 1343 | 15:34:42 | 0,37            | 0,36            | 1,40            | 6,12                     | 6,01                     | 24,32                    | 1,55   | 2,41   | 3,04   | 1,58            |
| 1344 | 15:34:47 | 0,44            | 0,40            | 2,01            | 6,12                     | 6,01                     | 24,33                    | 2,30   | 2,10   | 1,34   | 2,17            |
| 1345 | 15:34:52 | 0,37            | 0,31            | 1,63            | 6,12                     | 6,01                     | 24,33                    | 1,70   | 1,06   | 2,58   | 1,76            |
| 1346 | 15:34:57 | 0,35            | 0,35            | 1,55            | 6,12                     | 6,01                     | 24,33                    | 2,96   | 3,28   | 2,80   | 1,70            |
| 1347 | 15:35:02 | 0,51            | 0,43            | 2,45            | 6,12                     | 6,01                     | 24,34                    | 1,93   | 2,20   | 1,89   | 2,63            |
| 1348 | 15:35:07 | 0,46            | 0,35            | 2,38            | 6,12                     | 6,01                     | 24,35                    | 2,33   | 2,37   | 2,12   | 2,52            |
| 1349 | 15:35:12 | 0,35            | 0,41            | 2,25            | 6,13                     | 6,01                     | 24,35                    | 1,27   | 1,34   | 0,93   | 2,38            |
| 1350 | 15:35:18 | 0,34            | 0,31            | 1,09            | 6,13                     | 6,01                     | 24,35                    | 2,48   | 1,98   | 2,20   | 1,27            |
| 1351 | 15:35:23 | 0,29            | 0,43            | 0,77            | 6,13                     | 6,01                     | 24,35                    | 1,64   | 2,15   | 1,37   | 1,05            |
| 1352 | 15:35:28 | 0,27            | 0,24            | 0,75            | 6,13                     | 6,02                     | 24,35                    | 2,06   | 2,19   | 3,01   | 0,91            |
| 1353 | 15:35:33 | 0,29            | 0,29            | 0,85            | 6,13                     | 6,02                     | 24,35                    | 2,79   | 2,73   | 2,48   | 1,02            |
| 1354 | 15:35:38 | 0,32            | 0,32            | 0,92            | 6,13                     | 6,02                     | 24,35                    | 1,58   | 1,37   | 1,60   | 1,12            |
| 1355 | 15:35:43 | 0,34            | 0,21            | 0,91            | 6,13                     | 6,02                     | 24,35                    | 1,23   | 2,38   | 2,63   | 1,07            |
| 1356 | 15:35:48 | 0,33            | 0,37            | 1,20            | 6,13                     | 6,02                     | 24,35                    | 2,74   | 1,63   | 2,46   | 1,39            |
| 1357 | 15:35:53 | 0,35            | 0,35            | 1,38            | 6,13                     | 6,02                     | 24,35                    | 3,04   | 1,85   | 2,30   | 1,54            |
| 1358 | 15:35:58 | 0,66            | 0,37            | 1,86            | 6,13                     | 6,02                     | 24,36                    | 1,39   | 1,86   | 1,72   | 2,14            |
| 1359 | 15:36:03 | 0,84            | 0,41            | 2,76            | 6,14                     | 6,02                     | 24,38                    | 2,68   | 1,45   | 1,83   | 3,06            |
| 1360 | 15:36:08 | 0,20            | 0,05            | 0,57            | 6,14                     | 6,02                     | 24,38                    | 1,63   | 1,80   | 1,50   | 0,64            |
| 1361 | 15:36:13 | 0,62            | 0,26            | 1,00            | 6,14                     | 6,02                     | 24,38                    | 0,45   | 2,09   | 0,50   | 1,37            |
| 1362 | 15:36:18 | 0,19            | 0,17            | 0,14            | 6,14                     | 6,02                     | 24,38                    | 1,18   | 1,19   | 0,65   | 0,38            |
| 1363 | 15:36:23 | 0,09            | 0,24            | 0,17            | 6,14                     | 6,02                     | 24,38                    | 1,04   | 0,46   | 1,58   | 0,40            |
| 1364 | 15:36:28 | 0,04            | 0,15            | 0,21            | 6,14                     | 6,02                     | 24,38                    | 1,39   | 0,79   | 1,89   | 0,30            |
| 1365 | 15:36:33 | 0,01            | 0,02            | 0,06            | 6,14                     | 6,02                     | 24,38                    | 1,89   | 1,49   | 2,35   | 0,07            |
| 1366 | 15:36:38 | 0,01            | 0,01            | 0,06            | 6,14                     | 6,02                     | 24,38                    | 2,06   | 2,03   | 2,60   | 0,06            |
| 1367 | 15:36:43 | 0,01            | 0,01            | 0,06            | 6,14                     | 6,02                     | 24,38                    | 2,53   | 3,20   | 2,14   | 0,06            |
| 1368 | 15:36:48 | 0,04            | 0,08            | 0,17            | 6,14                     | 6,02                     | 24,38                    | 6,61   | 5,13   | 7,20   | 0,21            |
| 1369 | 15:36:53 | 0,58            | 0,27            | 1,60            | 6,15                     | 6,02                     | 24,38                    | 3,04   | 4,17   | 3,11   | 1,83            |
| 1370 | 15:36:58 | 0,64            | 0,33            | 1,31            | 6,15                     | 6,02                     | 24,38                    | 1,68   | 1,36   | 1,51   | 1,65            |
| 1371 | 15:37:03 | 0,43            | 0,30            | 0,74            | 6,15                     | 6,02                     | 24,38                    | 2,74   | 1,95   | 5,43   | 1,05            |
| 1372 | 15:37:08 | 0,54            | 0,34            | 0,76            | 6,15                     | 6,02                     | 24,38                    | 1,95   | 1,62   | 2,44   | 1,17            |
| 1373 | 15:37:13 | 0,49            | 0,37            | 0,82            | 6,15                     | 6,02                     | 24,39                    | 1,70   | 1,62   | 1,91   | 1,19            |
| 1374 | 15:37:18 | 0,54            | 0,37            | 1,22            | 6,15                     | 6,02                     | 24,39                    | 1,21   | 1,70   | 4,13   | 1,53            |
| 1375 | 15:37:23 | 0,80            | 0,46            | 1,73            | 6,16                     | 6,02                     | 24,39                    | 1,69   | 2,27   | 3,20   | 2,16            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1376 | 15:37:28 | 0,40            | 0,37            | 0,76            | 6,16                     | 6,02                     | 24,39                    | 1,86   | 1,79   | 1,91   | 1,07            |
| 1377 | 15:37:33 | 0,42            | 0,56            | 0,75            | 6,16                     | 6,02                     | 24,39                    | 1,23   | 1,42   | 2,31   | 1,23            |
| 1378 | 15:37:38 | 0,38            | 0,54            | 0,67            | 6,16                     | 6,02                     | 24,39                    | 1,78   | 2,00   | 1,61   | 1,15            |
| 1379 | 15:37:43 | 0,47            | 0,32            | 0,30            | 6,16                     | 6,02                     | 24,39                    | 0,35   | 0,22   | 0,48   | 0,85            |
| 1380 | 15:37:48 | 0,06            | 0,17            | 0,11            | 6,16                     | 6,02                     | 24,39                    | 1,85   | 0,71   | 1,64   | 0,27            |
| 1381 | 15:37:53 | 0,05            | 0,16            | 0,05            | 6,16                     | 6,02                     | 24,39                    | 0,42   | 0,15   | 1,20   | 0,24            |
| 1382 | 15:37:58 | 0,02            | 0,09            | 0,04            | 6,16                     | 6,02                     | 24,39                    | 2,60   | 0,68   | 1,44   | 0,13            |
| 1383 | 15:38:03 | 0,03            | 0,08            | 0,04            | 6,16                     | 6,02                     | 24,39                    | 2,13   | 3,71   | 3,80   | 0,13            |
| 1384 | 15:38:08 | 0,03            | 0,06            | 0,03            | 6,16                     | 6,02                     | 24,39                    | 0,41   | 0,20   | 2,15   | 0,10            |
| 1385 | 15:38:13 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,39                    | 1,62   | 1,44   | 2,09   | 0,03            |
| 1386 | 15:38:18 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,76   | 0,92   | 2,62   | 0,03            |
| 1387 | 15:38:23 | 0,06            | 0,05            | 0,05            | 6,16                     | 6,02                     | 24,39                    | 3,24   | 2,58   | 2,13   | 0,12            |
| 1388 | 15:38:28 | 0,03            | 0,03            | 0,03            | 6,16                     | 6,02                     | 24,39                    | 0,53   | 0,46   | 1,88   | 0,06            |
| 1389 | 15:38:33 | 0,05            | 0,05            | 0,05            | 6,16                     | 6,02                     | 24,39                    | 3,28   | 3,41   | 3,62   | 0,11            |
| 1390 | 15:38:38 | 0,05            | 0,06            | 0,06            | 6,16                     | 6,02                     | 24,39                    | 1,73   | 1,03   | 1,95   | 0,12            |
| 1391 | 15:38:43 | 0,03            | 0,04            | 0,03            | 6,16                     | 6,02                     | 24,39                    | 0,32   | 0,27   | 1,51   | 0,08            |
| 1392 | 15:38:48 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,85   | 3,27   | 2,30   | 0,03            |
| 1393 | 15:38:53 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,74   | 3,33   | 3,24   | 0,02            |
| 1394 | 15:38:58 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,40   | 1,43   | 2,33   | 0,02            |
| 1395 | 15:39:03 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 3,55   | 3,30   | 2,93   | 0,02            |
| 1396 | 15:39:08 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 2,19   | 2,21   | 3,68   | 0,02            |
| 1397 | 15:39:13 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,96   | 1,61   | 2,81   | 0,02            |
| 1398 | 15:39:18 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 2,11   | 2,41   | 2,12   | 0,02            |
| 1399 | 15:39:24 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,56   | 1,44   | 2,66   | 0,02            |
| 1400 | 15:39:29 | 0,02            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,39                    | 3,94   | 3,78   | 5,36   | 0,04            |
| 1401 | 15:39:34 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 0,70   | 1,06   | 3,31   | 0,03            |
| 1402 | 15:39:39 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 2,26   | 1,46   | 2,29   | 0,03            |
| 1403 | 15:39:44 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,18   | 2,54   | 2,86   | 0,02            |
| 1404 | 15:39:49 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 3,00   | 3,80   | 3,68   | 0,02            |
| 1405 | 15:39:54 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,95   | 1,18   | 2,20   | 0,03            |
| 1406 | 15:39:59 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,91   | 1,69   | 3,06   | 0,03            |
| 1407 | 15:40:04 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,87   | 1,89   | 2,31   | 0,02            |
| 1408 | 15:40:09 | 0,06            | 0,04            | 0,07            | 6,16                     | 6,02                     | 24,39                    | 4,01   | 3,98   | 5,12   | 0,12            |
| 1409 | 15:40:14 | 0,05            | 0,05            | 0,06            | 6,16                     | 6,02                     | 24,39                    | 0,29   | 0,40   | 0,80   | 0,11            |
| 1410 | 15:40:19 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,03   | 1,15   | 2,29   | 0,03            |
| 1411 | 15:40:24 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 4,67   | 4,99   | 5,77   | 0,02            |
| 1412 | 15:40:29 | 0,02            | 0,03            | 0,05            | 6,16                     | 6,02                     | 24,39                    | 2,05   | 1,29   | 2,37   | 0,06            |
| 1413 | 15:40:34 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,39                    | 1,82   | 1,68   | 1,91   | 0,03            |
| 1414 | 15:40:39 | 0,07            | 0,04            | 0,13            | 6,16                     | 6,02                     | 24,39                    | 1,40   | 2,32   | 6,06   | 0,17            |
| 1415 | 15:40:44 | 0,01            | 0,01            | 0,05            | 6,16                     | 6,02                     | 24,39                    | 0,94   | 1,03   | 0,95   | 0,05            |
| 1416 | 15:40:49 | 0,08            | 0,03            | 1,55            | 6,16                     | 6,02                     | 24,40                    | 9,11   | 7,98   | 11,03  | 1,56            |
| 1417 | 15:40:54 | 0,21            | 0,11            | 0,36            | 6,16                     | 6,02                     | 24,40                    | 0,32   | 0,48   | 0,26   | 0,49            |
| 1418 | 15:40:59 | 0,01            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 0,65   | 0,67   | 2,74   | 0,04            |
| 1419 | 15:41:04 | 0,03            | 0,02            | 0,05            | 6,16                     | 6,02                     | 24,40                    | 0,82   | 1,45   | 1,40   | 0,07            |
| 1420 | 15:41:09 | 0,01            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,37   | 0,52   | 2,97   | 0,04            |
| 1421 | 15:41:14 | 0,02            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,00   | 0,93   | 1,84   | 0,05            |
| 1422 | 15:41:19 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 4,52   | 5,24   | 5,54   | 0,03            |
| 1423 | 15:41:24 | 0,02            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,22   | 0,83   | 1,65   | 0,04            |
| 1424 | 15:41:29 | 0,02            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,03   | 1,11   | 2,17   | 0,05            |
| 1425 | 15:41:34 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,14   | 2,61   | 3,15   | 0,03            |
| 1426 | 15:41:39 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,56   | 1,66   | 1,89   | 0,03            |
| 1427 | 15:41:44 | 0,05            | 0,04            | 0,04            | 6,16                     | 6,02                     | 24,40                    | 0,70   | 0,66   | 1,15   | 0,10            |
| 1428 | 15:41:49 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,64   | 1,94   | 2,39   | 0,02            |
| 1429 | 15:41:54 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,93   | 1,26   | 3,74   | 0,02            |
| 1430 | 15:41:59 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,53   | 1,63   | 2,25   | 0,03            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1431 | 15:42:04 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,16   | 3,13   | 2,22   | 0,03            |
| 1432 | 15:42:09 | 0,01            | 0,03            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,48   | 3,66   | 3,83   | 0,05            |
| 1433 | 15:42:14 | 0,05            | 0,06            | 0,04            | 6,16                     | 6,02                     | 24,40                    | 0,53   | 0,27   | 2,84   | 0,11            |
| 1434 | 15:42:19 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,19   | 2,47   | 2,35   | 0,02            |
| 1435 | 15:42:24 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,27   | 1,97   | 2,92   | 0,02            |
| 1436 | 15:42:29 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,21   | 2,96   | 2,83   | 0,02            |
| 1437 | 15:42:34 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,17   | 1,43   | 2,49   | 0,02            |
| 1438 | 15:42:39 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,22   | 2,33   | 2,64   | 0,02            |
| 1439 | 15:42:44 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,61   | 2,76   | 2,74   | 0,02            |
| 1440 | 15:42:49 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,89   | 1,61   | 3,31   | 0,02            |
| 1441 | 15:42:54 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,13   | 1,42   | 2,08   | 0,02            |
| 1442 | 15:42:59 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,09   | 3,13   | 2,85   | 0,03            |
| 1443 | 15:43:04 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,54   | 1,84   | 3,05   | 0,02            |
| 1444 | 15:43:09 | 0,03            | 0,02            | 0,06            | 6,16                     | 6,02                     | 24,40                    | 2,53   | 4,97   | 2,83   | 0,08            |
| 1445 | 15:43:14 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,16   | 1,41   | 2,30   | 0,03            |
| 1446 | 15:43:19 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 1,05   | 2,78   | 0,02            |
| 1447 | 15:43:24 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,78   | 2,49   | 2,55   | 0,02            |
| 1448 | 15:43:29 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,24   | 1,81   | 3,06   | 0,02            |
| 1449 | 15:43:34 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,50   | 2,24   | 3,76   | 0,02            |
| 1450 | 15:43:39 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,88   | 2,81   | 4,24   | 0,02            |
| 1451 | 15:43:44 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,18   | 2,13   | 1,91   | 0,02            |
| 1452 | 15:43:49 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,46   | 3,26   | 2,87   | 0,02            |
| 1453 | 15:43:54 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,41   | 3,10   | 2,28   | 0,02            |
| 1454 | 15:43:59 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,52   | 1,79   | 3,22   | 0,02            |
| 1455 | 15:44:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,85   | 2,39   | 3,45   | 0,02            |
| 1456 | 15:44:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,34   | 1,23   | 2,92   | 0,02            |
| 1457 | 15:44:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,42   | 1,95   | 2,30   | 0,02            |
| 1458 | 15:44:20 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,94   | 1,89   | 2,40   | 0,03            |
| 1459 | 15:44:25 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,72   | 1,40   | 2,61   | 0,02            |
| 1460 | 15:44:30 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,74   | 2,76   | 3,17   | 0,02            |
| 1461 | 15:44:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,58   | 2,31   | 2,36   | 0,02            |
| 1462 | 15:44:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,93   | 2,63   | 2,54   | 0,02            |
| 1463 | 15:44:45 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,62   | 0,95   | 2,61   | 0,02            |
| 1464 | 15:44:50 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,74   | 2,44   | 3,53   | 0,02            |
| 1465 | 15:44:55 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,88   | 2,07   | 3,12   | 0,02            |
| 1466 | 15:45:00 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,40   | 2,27   | 2,20   | 0,02            |
| 1467 | 15:45:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,39   | 2,25   | 4,08   | 0,02            |
| 1468 | 15:45:10 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,11   | 2,13   | 2,60   | 0,02            |
| 1469 | 15:45:15 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,63   | 2,83   | 2,37   | 0,02            |
| 1470 | 15:45:20 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,07   | 2,86   | 2,85   | 0,02            |
| 1471 | 15:45:25 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,97   | 2,52   | 3,47   | 0,02            |
| 1472 | 15:45:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,24   | 1,92   | 2,69   | 0,02            |
| 1473 | 15:45:35 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,49   | 1,90   | 1,90   | 0,02            |
| 1474 | 15:45:40 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,40   | 2,18   | 2,12   | 0,02            |
| 1475 | 15:45:45 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,35   | 1,96   | 3,40   | 0,02            |
| 1476 | 15:45:50 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,50   | 2,98   | 2,44   | 0,02            |
| 1477 | 15:45:55 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,96   | 1,73   | 2,51   | 0,02            |
| 1478 | 15:46:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,21   | 2,61   | 2,38   | 0,02            |
| 1479 | 15:46:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,05   | 1,92   | 3,25   | 0,02            |
| 1480 | 15:46:10 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,63   | 1,42   | 3,77   | 0,02            |
| 1481 | 15:46:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,91   | 2,31   | 2,95   | 0,02            |
| 1482 | 15:46:20 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,59   | 2,08   | 3,04   | 0,02            |
| 1483 | 15:46:25 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,38   | 1,57   | 2,83   | 0,02            |
| 1484 | 15:46:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,83   | 2,80   | 3,45   | 0,02            |
| 1485 | 15:46:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,67   | 2,19   | 2,71   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1486 | 15:46:40 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,04   | 3,14   | 3,08   | 0,02            |
| 1487 | 15:46:45 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,17   | 2,38   | 2,26   | 0,02            |
| 1488 | 15:46:50 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,52   | 1,59   | 2,39   | 0,02            |
| 1489 | 15:46:55 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,41   | 1,49   | 2,43   | 0,02            |
| 1490 | 15:47:00 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,53   | 1,52   | 2,67   | 0,02            |
| 1491 | 15:47:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,05   | 2,15   | 1,71   | 0,02            |
| 1492 | 15:47:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,27   | 3,31   | 2,75   | 0,02            |
| 1493 | 15:47:15 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,03   | 1,69   | 2,87   | 0,02            |
| 1494 | 15:47:20 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,10   | 2,23   | 2,94   | 0,02            |
| 1495 | 15:47:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,47   | 2,76   | 2,77   | 0,02            |
| 1496 | 15:47:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,17   | 2,08   | 3,46   | 0,02            |
| 1497 | 15:47:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,13   | 2,46   | 4,00   | 0,02            |
| 1498 | 15:47:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,84   | 1,60   | 2,86   | 0,02            |
| 1499 | 15:47:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,13   | 1,71   | 3,60   | 0,03            |
| 1500 | 15:47:50 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,15   | 3,30   | 2,83   | 0,02            |
| 1501 | 15:47:55 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,28   | 2,55   | 2,53   | 0,02            |
| 1502 | 15:48:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,78   | 3,44   | 3,67   | 0,02            |
| 1503 | 15:48:05 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,02   | 1,32   | 1,56   | 0,03            |
| 1504 | 15:48:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,12   | 1,75   | 2,91   | 0,02            |
| 1505 | 15:48:15 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,18   | 3,22   | 1,82   | 0,03            |
| 1506 | 15:48:20 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,06   | 2,37   | 1,70   | 0,02            |
| 1507 | 15:48:25 | 0,01            | 0,00            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,78   | 2,32   | 4,28   | 0,03            |
| 1508 | 15:48:30 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,44   | 2,21   | 2,55   | 0,03            |
| 1509 | 15:48:35 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,57   | 2,57   | 2,80   | 0,02            |
| 1510 | 15:48:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,94   | 2,43   | 2,63   | 0,02            |
| 1511 | 15:48:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,25   | 1,62   | 2,67   | 0,02            |
| 1512 | 15:48:50 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,31   | 2,57   | 2,91   | 0,02            |
| 1513 | 15:48:55 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,68   | 1,91   | 2,93   | 0,02            |
| 1514 | 15:49:00 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 1,31   | 1,98   | 0,02            |
| 1515 | 15:49:05 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,68   | 2,07   | 3,48   | 0,02            |
| 1516 | 15:49:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,99   | 1,49   | 2,22   | 0,02            |
| 1517 | 15:49:15 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,69   | 1,85   | 3,27   | 0,02            |
| 1518 | 15:49:20 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,10   | 2,16   | 2,95   | 0,02            |
| 1519 | 15:49:25 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,70   | 2,01   | 3,15   | 0,02            |
| 1520 | 15:49:30 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,23   | 1,49   | 2,90   | 0,02            |
| 1521 | 15:49:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,40   | 2,82   | 2,70   | 0,02            |
| 1522 | 15:49:40 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,60   | 2,20   | 2,79   | 0,02            |
| 1523 | 15:49:45 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,82   | 3,25   | 3,18   | 0,02            |
| 1524 | 15:49:50 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,37   | 3,56   | 9,87   | 0,04            |
| 1525 | 15:49:55 | 0,03            | 0,04            | 0,06            | 6,16                     | 6,02                     | 24,40                    | 0,59   | 0,81   | 1,17   | 0,09            |
| 1526 | 15:50:00 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,25   | 1,83   | 2,19   | 0,03            |
| 1527 | 15:50:05 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,69   | 1,40   | 2,98   | 0,03            |
| 1528 | 15:50:10 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,64   | 2,45   | 2,37   | 0,02            |
| 1529 | 15:50:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,08   | 2,94   | 2,77   | 0,02            |
| 1530 | 15:50:20 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,75   | 3,76   | 2,32   | 0,02            |
| 1531 | 15:50:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,83   | 2,65   | 3,04   | 0,02            |
| 1532 | 15:50:30 | 0,03            | 0,03            | 0,07            | 6,16                     | 6,02                     | 24,40                    | 0,78   | 0,78   | 0,91   | 0,09            |
| 1533 | 15:50:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,35   | 1,23   | 3,68   | 0,03            |
| 1534 | 15:50:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,71   | 2,70   | 2,58   | 0,02            |
| 1535 | 15:50:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,57   | 2,64   | 2,49   | 0,02            |
| 1536 | 15:50:50 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,90   | 2,08   | 3,15   | 0,02            |
| 1537 | 15:50:55 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,97   | 1,81   | 2,38   | 0,02            |
| 1538 | 15:51:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,76   | 1,95   | 2,31   | 0,02            |
| 1539 | 15:51:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,81   | 2,99   | 2,12   | 0,02            |
| 1540 | 15:51:10 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,68   | 1,78   | 2,28   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1541 | 15:51:15 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,23   | 2,34   | 2,65   | 0,02            |
| 1542 | 15:51:20 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,30   | 1,76   | 2,79   | 0,03            |
| 1543 | 15:51:25 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,10   | 1,41   | 2,33   | 0,02            |
| 1544 | 15:51:30 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,31   | 1,64   | 2,82   | 0,02            |
| 1545 | 15:51:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,14   | 2,56   | 2,31   | 0,02            |
| 1546 | 15:51:40 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,94   | 1,67   | 2,51   | 0,02            |
| 1547 | 15:51:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,91   | 2,77   | 3,31   | 0,02            |
| 1548 | 15:51:50 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,25   | 3,24   | 2,81   | 0,02            |
| 1549 | 15:51:55 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,81   | 3,27   | 2,34   | 0,02            |
| 1550 | 15:52:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,76   | 2,11   | 2,65   | 0,02            |
| 1551 | 15:52:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,95   | 1,24   | 3,22   | 0,02            |
| 1552 | 15:52:10 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,17   | 2,26   | 2,45   | 0,02            |
| 1553 | 15:52:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,99   | 1,83   | 2,51   | 0,02            |
| 1554 | 15:52:20 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,29   | 2,11   | 2,55   | 0,02            |
| 1555 | 15:52:25 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,76   | 1,72   | 3,26   | 0,02            |
| 1556 | 15:52:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,32   | 1,71   | 2,84   | 0,02            |
| 1557 | 15:52:35 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,52   | 2,15   | 2,50   | 0,03            |
| 1558 | 15:52:40 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,29   | 2,55   | 2,32   | 0,02            |
| 1559 | 15:52:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,44   | 1,77   | 3,22   | 0,02            |
| 1560 | 15:52:50 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,75   | 2,82   | 3,05   | 0,02            |
| 1561 | 15:52:55 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,15   | 2,89   | 2,50   | 0,02            |
| 1562 | 15:53:00 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,30   | 2,60   | 3,21   | 0,02            |
| 1563 | 15:53:05 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,57   | 1,31   | 2,48   | 0,02            |
| 1564 | 15:53:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,30   | 2,72   | 2,16   | 0,02            |
| 1565 | 15:53:15 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,98   | 2,69   | 2,32   | 0,02            |
| 1566 | 15:53:20 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,41   | 1,77   | 2,49   | 0,02            |
| 1567 | 15:53:25 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,92   | 3,42   | 2,85   | 0,02            |
| 1568 | 15:53:30 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 2,45   | 2,07   | 4,08   | 0,04            |
| 1569 | 15:53:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,08   | 0,86   | 1,78   | 0,03            |
| 1570 | 15:53:40 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,59   | 2,07   | 2,09   | 0,02            |
| 1571 | 15:53:45 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,46   | 3,41   | 3,39   | 0,02            |
| 1572 | 15:53:50 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,69   | 1,79   | 3,07   | 0,02            |
| 1573 | 15:53:55 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,45   | 3,00   | 2,56   | 0,02            |
| 1574 | 15:54:00 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,51   | 2,06   | 3,09   | 0,02            |
| 1575 | 15:54:05 | 0,01            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,11   | 0,57   | 1,44   | 0,04            |
| 1576 | 15:54:10 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,09   | 2,59   | 1,93   | 0,02            |
| 1577 | 15:54:15 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,28   | 1,79   | 2,83   | 0,02            |
| 1578 | 15:54:20 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,37   | 1,92   | 2,85   | 0,02            |
| 1579 | 15:54:25 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,72   | 3,05   | 2,20   | 0,02            |
| 1580 | 15:54:30 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,52   | 1,47   | 3,21   | 0,02            |
| 1581 | 15:54:35 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,27   | 0,67   | 2,33   | 0,02            |
| 1582 | 15:54:40 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,58   | 1,85   | 2,62   | 0,02            |
| 1583 | 15:54:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,09   | 2,21   | 3,43   | 0,02            |
| 1584 | 15:54:50 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,12   | 1,52   | 2,51   | 0,02            |
| 1585 | 15:54:55 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,65   | 2,68   | 2,45   | 0,02            |
| 1586 | 15:55:00 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,03   | 1,90   | 1,93   | 0,03            |
| 1587 | 15:55:05 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,95   | 2,01   | 2,18   | 0,02            |
| 1588 | 15:55:10 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 1,59   | 3,30   | 0,02            |
| 1589 | 15:55:15 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,07   | 1,18   | 2,88   | 0,02            |
| 1590 | 15:55:20 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,74   | 1,46   | 2,34   | 0,02            |
| 1591 | 15:55:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,11   | 3,96   | 2,84   | 0,02            |
| 1592 | 15:55:30 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,59   | 1,40   | 1,44   | 0,03            |
| 1593 | 15:55:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,88   | 1,71   | 3,07   | 0,02            |
| 1594 | 15:55:40 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,34   | 2,39   | 3,15   | 0,02            |
| 1595 | 15:55:45 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,93   | 1,42   | 2,14   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1596 | 15:55:50 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,14   | 1,43   | 2,98   | 0,02            |
| 1597 | 15:55:55 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,52   | 1,97   | 2,63   | 0,02            |
| 1598 | 15:56:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,25   | 2,68   | 3,43   | 0,02            |
| 1599 | 15:56:05 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,23   | 1,97   | 2,88   | 0,02            |
| 1600 | 15:56:10 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,47   | 2,67   | 2,90   | 0,02            |
| 1601 | 15:56:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,50   | 1,46   | 2,81   | 0,02            |
| 1602 | 15:56:20 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,00   | 3,33   | 3,10   | 0,02            |
| 1603 | 15:56:25 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,50   | 2,38   | 2,90   | 0,02            |
| 1604 | 15:56:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,60   | 2,25   | 3,13   | 0,02            |
| 1605 | 15:56:35 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,90   | 2,05   | 2,50   | 0,02            |
| 1606 | 15:56:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,98   | 2,79   | 2,96   | 0,02            |
| 1607 | 15:56:45 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,88   | 3,14   | 2,54   | 0,02            |
| 1608 | 15:56:50 | 0,03            | 0,03            | 0,04            | 6,16                     | 6,02                     | 24,40                    | 4,39   | 3,91   | 3,98   | 0,07            |
| 1609 | 15:56:55 | 0,07            | 0,03            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 0,31   | 0,57   | 2,57   | 0,11            |
| 1610 | 15:57:00 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,73   | 1,02   | 2,29   | 0,03            |
| 1611 | 15:57:05 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,75   | 1,41   | 2,70   | 0,02            |
| 1612 | 15:57:10 | 0,02            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,11   | 0,43   | 2,13   | 0,05            |
| 1613 | 15:57:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,34   | 2,52   | 1,80   | 0,02            |
| 1614 | 15:57:20 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,84   | 2,69   | 3,57   | 0,02            |
| 1615 | 15:57:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,97   | 3,87   | 5,01   | 0,03            |
| 1616 | 15:57:30 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,87   | 1,42   | 1,70   | 0,02            |
| 1617 | 15:57:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 3,35   | 2,59   | 0,03            |
| 1618 | 15:57:40 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,30   | 1,27   | 2,49   | 0,02            |
| 1619 | 15:57:45 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,03   | 1,25   | 2,60   | 0,02            |
| 1620 | 15:57:50 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,47   | 1,20   | 2,33   | 0,02            |
| 1621 | 15:57:55 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,75   | 1,90   | 2,40   | 0,02            |
| 1622 | 15:58:00 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,93   | 2,57   | 3,02   | 0,02            |
| 1623 | 15:58:05 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,14   | 2,49   | 2,77   | 0,02            |
| 1624 | 15:58:10 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,33   | 3,58   | 2,17   | 0,02            |
| 1625 | 15:58:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,80   | 1,47   | 2,78   | 0,02            |
| 1626 | 15:58:20 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 1,33   | 2,60   | 0,02            |
| 1627 | 15:58:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,51   | 1,57   | 2,48   | 0,02            |
| 1628 | 15:58:30 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,56   | 2,55   | 2,83   | 0,02            |
| 1629 | 15:58:35 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,60   | 2,00   | 2,94   | 0,02            |
| 1630 | 15:58:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,51   | 1,55   | 2,76   | 0,02            |
| 1631 | 15:58:45 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,79   | 2,61   | 1,86   | 0,02            |
| 1632 | 15:58:50 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,16   | 0,89   | 1,95   | 0,03            |
| 1633 | 15:58:55 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,05   | 2,85   | 2,70   | 0,02            |
| 1634 | 15:59:00 | 0,01            | 0,01            | 0,04            | 6,16                     | 6,02                     | 24,40                    | 1,44   | 2,06   | 1,35   | 0,05            |
| 1635 | 15:59:05 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,19   | 1,97   | 2,65   | 0,02            |
| 1636 | 15:59:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,89   | 2,04   | 2,14   | 0,03            |
| 1637 | 15:59:15 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,54   | 0,97   | 3,04   | 0,02            |
| 1638 | 15:59:20 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,10   | 2,00   | 2,81   | 0,03            |
| 1639 | 15:59:25 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,68   | 1,41   | 2,18   | 0,03            |
| 1640 | 15:59:30 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,41   | 1,48   | 2,39   | 0,02            |
| 1641 | 15:59:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,85   | 2,18   | 2,22   | 0,02            |
| 1642 | 15:59:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,09   | 1,49   | 2,71   | 0,02            |
| 1643 | 15:59:45 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,30   | 1,91   | 2,54   | 0,02            |
| 1644 | 15:59:50 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,50   | 1,58   | 2,50   | 0,02            |
| 1645 | 15:59:55 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,24   | 2,05   | 2,42   | 0,02            |
| 1646 | 16:00:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,37   | 1,56   | 3,20   | 0,02            |
| 1647 | 16:00:05 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,31   | 1,95   | 2,49   | 0,03            |
| 1648 | 16:00:10 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,41   | 1,97   | 2,45   | 0,03            |
| 1649 | 16:00:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,13   | 3,16   | 2,63   | 0,02            |
| 1650 | 16:00:20 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,49   | 1,49   | 2,02   | 0,03            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1651 | 16:00:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,21   | 2,15   | 3,45   | 0,03            |
| 1652 | 16:00:30 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,42   | 1,45   | 2,53   | 0,02            |
| 1653 | 16:00:35 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,09   | 2,11   | 2,27   | 0,02            |
| 1654 | 16:00:40 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,71   | 1,77   | 3,49   | 0,02            |
| 1655 | 16:00:45 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,57   | 2,43   | 2,67   | 0,02            |
| 1656 | 16:00:50 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,08   | 2,27   | 3,13   | 0,03            |
| 1657 | 16:00:55 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,08   | 2,30   | 2,50   | 0,02            |
| 1658 | 16:01:00 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,79   | 1,89   | 2,37   | 0,02            |
| 1659 | 16:01:05 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,47   | 1,51   | 2,32   | 0,02            |
| 1660 | 16:01:10 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,74   | 1,57   | 2,87   | 0,02            |
| 1661 | 16:01:15 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,11   | 2,44   | 3,63   | 0,02            |
| 1662 | 16:01:20 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,19   | 2,47   | 3,32   | 0,02            |
| 1663 | 16:01:25 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,36   | 1,48   | 2,54   | 0,02            |
| 1664 | 16:01:30 | 0,03            | 0,02            | 0,06            | 6,16                     | 6,02                     | 24,40                    | 2,74   | 2,83   | 4,32   | 0,08            |
| 1665 | 16:01:35 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,88   | 0,73   | 3,31   | 0,03            |
| 1666 | 16:01:40 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 6,21   | 4,42   | 4,68   | 0,03            |
| 1667 | 16:01:45 | 0,04            | 0,07            | 0,07            | 6,16                     | 6,02                     | 24,40                    | 2,02   | 0,91   | 1,37   | 0,13            |
| 1668 | 16:01:50 | 0,04            | 0,03            | 0,05            | 6,16                     | 6,02                     | 24,40                    | 1,13   | 2,11   | 2,09   | 0,08            |
| 1669 | 16:01:55 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,08   | 1,56   | 2,31   | 0,02            |
| 1670 | 16:02:00 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,40   | 1,73   | 3,17   | 0,02            |
| 1671 | 16:02:05 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,59   | 2,11   | 2,79   | 0,03            |
| 1672 | 16:02:11 | 0,12            | 0,12            | 0,22            | 6,16                     | 6,02                     | 24,40                    | 2,82   | 4,30   | 5,69   | 0,32            |
| 1673 | 16:02:16 | 0,03            | 0,08            | 0,07            | 6,16                     | 6,02                     | 24,40                    | 0,40   | 0,23   | 0,94   | 0,14            |
| 1674 | 16:02:21 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,61   | 1,99   | 3,15   | 0,02            |
| 1675 | 16:02:26 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,15   | 2,96   | 2,97   | 0,02            |
| 1676 | 16:02:31 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,45   | 3,60   | 3,34   | 0,03            |
| 1677 | 16:02:36 | 0,06            | 0,17            | 0,20            | 6,16                     | 6,02                     | 24,40                    | 2,69   | 2,35   | 1,21   | 0,32            |
| 1678 | 16:02:41 | 0,02            | 0,09            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 0,53   | 0,17   | 2,56   | 0,13            |
| 1679 | 16:02:46 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,77   | 2,75   | 3,24   | 0,03            |
| 1680 | 16:02:51 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,28   | 3,58   | 3,08   | 0,03            |
| 1681 | 16:02:56 | 0,03            | 0,05            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 1,27   | 0,28   | 1,99   | 0,09            |
| 1682 | 16:03:01 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,52   | 1,66   | 2,20   | 0,02            |
| 1683 | 16:03:06 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,50   | 1,85   | 2,62   | 0,03            |
| 1684 | 16:03:11 | 0,01            | 0,01            | 0,04            | 6,16                     | 6,02                     | 24,40                    | 4,89   | 2,12   | 4,35   | 0,04            |
| 1685 | 16:03:16 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,97   | 1,16   | 2,60   | 0,02            |
| 1686 | 16:03:21 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,95   | 1,81   | 2,77   | 0,02            |
| 1687 | 16:03:26 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,64   | 4,03   | 3,49   | 0,02            |
| 1688 | 16:03:31 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,44   | 2,22   | 2,71   | 0,02            |
| 1689 | 16:03:36 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,35   | 2,99   | 2,74   | 0,02            |
| 1690 | 16:03:41 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,77   | 1,65   | 2,60   | 0,02            |
| 1691 | 16:03:46 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 6,76   | 2,13   | 3,04   | 0,02            |
| 1692 | 16:03:51 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,14   | 1,40   | 1,87   | 0,03            |
| 1693 | 16:03:56 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,67   | 1,71   | 2,40   | 0,02            |
| 1694 | 16:04:01 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,98   | 2,43   | 3,74   | 0,02            |
| 1695 | 16:04:06 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,26   | 1,03   | 2,33   | 0,03            |
| 1696 | 16:04:11 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 3,63   | 2,18   | 3,11   | 0,03            |
| 1697 | 16:04:16 | 0,02            | 0,02            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 0,73   | 0,99   | 2,19   | 0,05            |
| 1698 | 16:04:21 | 0,01            | 0,03            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,23   | 0,46   | 1,97   | 0,05            |
| 1699 | 16:04:26 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,60   | 1,43   | 1,98   | 0,03            |
| 1700 | 16:04:31 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,25   | 0,96   | 3,04   | 0,03            |
| 1701 | 16:04:36 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,64   | 3,04   | 3,11   | 0,02            |
| 1702 | 16:04:41 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,67   | 1,70   | 3,72   | 0,02            |
| 1703 | 16:04:46 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,51   | 2,67   | 3,01   | 0,02            |
| 1704 | 16:04:51 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,37   | 2,31   | 2,82   | 0,02            |
| 1705 | 16:04:56 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,22   | 1,79   | 4,21   | 0,02            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1706 | 16:05:01 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,71   | 1,89   | 3,25   | 0,02            |
| 1707 | 16:05:06 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,24   | 2,44   | 2,44   | 0,02            |
| 1708 | 16:05:11 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,00   | 2,49   | 3,51   | 0,02            |
| 1709 | 16:05:16 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,56   | 1,39   | 1,85   | 0,03            |
| 1710 | 16:05:21 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,76   | 1,83   | 3,31   | 0,02            |
| 1711 | 16:05:26 | 0,01            | 0,04            | 0,05            | 6,16                     | 6,02                     | 24,40                    | 9,53   | 3,30   | 5,54   | 0,08            |
| 1712 | 16:05:31 | 0,01            | 0,04            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 0,69   | 0,36   | 1,97   | 0,06            |
| 1713 | 16:05:36 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,32   | 2,50   | 2,27   | 0,02            |
| 1714 | 16:05:41 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 3,40   | 2,47   | 3,58   | 0,03            |
| 1715 | 16:05:46 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,38   | 1,68   | 2,51   | 0,02            |
| 1716 | 16:05:51 | 0,01            | 0,01            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 3,24   | 4,05   | 2,48   | 0,03            |
| 1717 | 16:05:56 | 0,02            | 0,02            | 0,06            | 6,16                     | 6,02                     | 24,40                    | 2,31   | 2,02   | 2,32   | 0,07            |
| 1718 | 16:06:01 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,11   | 0,75   | 2,44   | 0,03            |
| 1719 | 16:06:06 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,58   | 3,65   | 3,15   | 0,03            |
| 1720 | 16:06:11 | 0,02            | 0,05            | 0,03            | 6,16                     | 6,02                     | 24,40                    | 0,68   | 0,29   | 2,15   | 0,08            |
| 1721 | 16:06:16 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,93   | 3,78   | 3,13   | 0,02            |
| 1722 | 16:06:21 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,56   | 1,28   | 3,65   | 0,02            |
| 1723 | 16:06:26 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,30   | 2,54   | 2,72   | 0,02            |
| 1724 | 16:06:31 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,00   | 2,65   | 2,65   | 0,02            |
| 1725 | 16:06:36 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,48   | 1,34   | 2,21   | 0,02            |
| 1726 | 16:06:41 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,51   | 2,80   | 2,12   | 0,02            |
| 1727 | 16:06:46 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,97   | 1,85   | 2,28   | 0,02            |
| 1728 | 16:06:51 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,41   | 0,90   | 3,17   | 0,02            |
| 1729 | 16:06:56 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 2,02   | 2,03   | 2,60   | 0,02            |
| 1730 | 16:07:01 | 0,00            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,39   | 1,91   | 3,17   | 0,02            |
| 1731 | 16:07:06 | 0,01            | 0,01            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,58   | 0,67   | 2,26   | 0,03            |
| 1732 | 16:07:11 | 0,01            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,40                    | 1,51   | 2,20   | 2,56   | 0,02            |
| 1733 | 16:07:16 | 0,15            | 0,21            | 0,10            | 6,16                     | 6,02                     | 24,40                    | 2,90   | 2,36   | 5,67   | 0,37            |
| 1734 | 16:07:21 | 0,31            | 0,68            | 0,85            | 6,16                     | 6,02                     | 24,41                    | 1,42   | 1,15   | 0,45   | 1,35            |
| 1735 | 16:07:26 | 0,17            | 0,22            | 0,06            | 6,16                     | 6,02                     | 24,41                    | 0,10   | 0,05   | 1,24   | 0,39            |
| 1736 | 16:07:31 | 0,00            | 0,00            | 0,02            | 6,16                     | 6,02                     | 24,41                    | 1,91   | 1,58   | 2,53   | 0,02            |
| 1737 | 16:07:36 | 0,01            | 0,02            | 0,04            | 6,16                     | 6,02                     | 24,41                    | 3,78   | 4,08   | 5,98   | 0,05            |
| 1738 | 16:07:41 | 0,02            | 0,07            | 0,07            | 6,16                     | 6,02                     | 24,41                    | 3,28   | 1,77   | 1,43   | 0,13            |
| 1739 | 16:07:46 | 0,05            | 0,06            | 0,08            | 6,16                     | 6,02                     | 24,41                    | 2,91   | 1,90   | 1,62   | 0,14            |
| 1740 | 16:07:51 | 0,38            | 0,25            | 0,43            | 6,16                     | 6,02                     | 24,41                    | 1,93   | 2,45   | 2,56   | 0,77            |
| 1741 | 16:07:56 | 0,91            | 0,88            | 1,46            | 6,17                     | 6,03                     | 24,42                    | 1,86   | 2,78   | 2,46   | 2,30            |
| 1742 | 16:08:01 | 0,62            | 1,27            | 0,88            | 6,18                     | 6,06                     | 24,42                    | 1,44   | 0,97   | 2,04   | 2,16            |
| 1743 | 16:08:06 | 0,30            | 0,64            | 0,62            | 6,18                     | 6,06                     | 24,42                    | 2,13   | 1,93   | 2,29   | 1,17            |
| 1744 | 16:08:11 | 0,49            | 0,60            | 0,62            | 6,18                     | 6,07                     | 24,42                    | 2,44   | 2,76   | 1,96   | 1,25            |
| 1745 | 16:08:16 | 0,50            | 0,57            | 0,56            | 6,18                     | 6,07                     | 24,42                    | 0,92   | 2,16   | 3,51   | 1,20            |
| 1746 | 16:08:21 | 0,42            | 0,60            | 0,74            | 6,18                     | 6,07                     | 24,42                    | 1,44   | 1,16   | 1,33   | 1,26            |
| 1747 | 16:08:26 | 0,26            | 0,38            | 0,59            | 6,18                     | 6,07                     | 24,42                    | 3,57   | 1,71   | 2,27   | 0,87            |
| 1748 | 16:08:31 | 0,28            | 0,58            | 1,29            | 6,18                     | 6,07                     | 24,42                    | 2,23   | 1,15   | 3,24   | 1,57            |
| 1749 | 16:08:36 | 0,23            | 0,31            | 0,93            | 6,18                     | 6,07                     | 24,42                    | 2,97   | 2,57   | 1,96   | 1,07            |
| 1750 | 16:08:41 | 0,28            | 0,40            | 0,75            | 6,18                     | 6,07                     | 24,42                    | 1,34   | 1,81   | 2,00   | 1,02            |
| 1751 | 16:08:46 | 0,24            | 0,35            | 0,68            | 6,18                     | 6,07                     | 24,42                    | 1,76   | 1,74   | 2,13   | 0,90            |
| 1752 | 16:08:51 | 0,30            | 0,24            | 1,05            | 6,18                     | 6,07                     | 24,42                    | 2,28   | 2,05   | 2,86   | 1,18            |
| 1753 | 16:08:56 | 0,26            | 0,36            | 0,96            | 6,18                     | 6,07                     | 24,42                    | 2,51   | 2,08   | 3,54   | 1,15            |
| 1754 | 16:09:01 | 0,37            | 0,30            | 2,51            | 6,18                     | 6,07                     | 24,42                    | 2,38   | 1,48   | 1,75   | 2,60            |
| 1755 | 16:09:06 | 0,22            | 0,33            | 0,77            | 6,18                     | 6,07                     | 24,42                    | 2,26   | 1,91   | 1,59   | 0,95            |
| 1756 | 16:09:11 | 0,31            | 0,31            | 1,42            | 6,18                     | 6,07                     | 24,42                    | 2,62   | 2,02   | 2,46   | 1,55            |
| 1757 | 16:09:16 | 0,31            | 0,33            | 1,77            | 6,18                     | 6,07                     | 24,43                    | 1,71   | 1,71   | 1,04   | 1,88            |
| 1758 | 16:09:21 | 0,22            | 0,34            | 0,86            | 6,18                     | 6,07                     | 24,43                    | 2,59   | 1,76   | 1,52   | 1,03            |
| 1759 | 16:09:26 | 0,21            | 0,25            | 1,39            | 6,18                     | 6,07                     | 24,43                    | 2,13   | 1,81   | 1,73   | 1,47            |
| 1760 | 16:09:31 | 0,24            | 0,26            | 0,67            | 6,18                     | 6,07                     | 24,43                    | 3,50   | 3,42   | 2,66   | 0,83            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1761 | 16:09:36 | 0,27            | 0,30            | 0,81            | 6,18                     | 6,07                     | 24,43                    | 2,51   | 2,14   | 2,22   | 0,99            |
| 1762 | 16:09:41 | 0,24            | 0,30            | 0,61            | 6,18                     | 6,07                     | 24,43                    | 1,81   | 1,69   | 2,12   | 0,81            |
| 1763 | 16:09:46 | 0,84            | 0,60            | 1,14            | 6,20                     | 6,07                     | 24,43                    | 0,67   | 0,74   | 0,90   | 1,85            |
| 1764 | 16:09:51 | 1,10            | 0,32            | 2,04            | 6,23                     | 6,07                     | 24,44                    | 0,69   | 1,27   | 0,79   | 2,60            |
| 1765 | 16:09:56 | 0,39            | 0,43            | 0,85            | 6,23                     | 6,08                     | 24,44                    | 0,98   | 2,37   | 2,13   | 1,17            |
| 1766 | 16:10:01 | 0,32            | 0,51            | 0,95            | 6,23                     | 6,08                     | 24,44                    | 1,52   | 1,05   | 1,43   | 1,27            |
| 1767 | 16:10:06 | 0,26            | 0,25            | 0,73            | 6,23                     | 6,08                     | 24,44                    | 2,59   | 2,10   | 2,06   | 0,89            |
| 1768 | 16:10:11 | 0,29            | 0,34            | 0,79            | 6,23                     | 6,08                     | 24,44                    | 1,74   | 1,54   | 2,59   | 1,01            |
| 1769 | 16:10:16 | 0,27            | 0,29            | 0,88            | 6,23                     | 6,08                     | 24,44                    | 2,40   | 2,72   | 3,18   | 1,04            |
| 1770 | 16:10:21 | 0,35            | 0,45            | 0,93            | 6,23                     | 6,08                     | 24,44                    | 2,51   | 2,36   | 2,72   | 1,22            |
| 1771 | 16:10:26 | 0,44            | 0,33            | 1,13            | 6,23                     | 6,08                     | 24,44                    | 2,60   | 2,78   | 3,59   | 1,36            |
| 1772 | 16:10:31 | 0,40            | 0,32            | 1,24            | 6,23                     | 6,08                     | 24,44                    | 1,97   | 2,08   | 1,25   | 1,44            |
| 1773 | 16:10:36 | 0,32            | 0,45            | 0,67            | 6,23                     | 6,08                     | 24,44                    | 3,39   | 1,23   | 5,39   | 1,03            |
| 1774 | 16:10:41 | 0,40            | 0,29            | 1,03            | 6,23                     | 6,08                     | 24,44                    | 2,06   | 2,45   | 3,83   | 1,24            |
| 1775 | 16:10:46 | 0,38            | 0,42            | 1,12            | 6,23                     | 6,08                     | 24,44                    | 2,58   | 2,26   | 2,57   | 1,37            |
| 1776 | 16:10:51 | 0,33            | 0,40            | 0,83            | 6,23                     | 6,08                     | 24,44                    | 1,79   | 2,67   | 1,76   | 1,10            |
| 1777 | 16:10:56 | 0,49            | 0,56            | 0,90            | 6,23                     | 6,08                     | 24,44                    | 1,19   | 1,41   | 1,11   | 1,38            |
| 1778 | 16:11:01 | 0,50            | 0,48            | 0,58            | 6,23                     | 6,08                     | 24,44                    | 1,33   | 2,01   | 2,45   | 1,13            |
| 1779 | 16:11:06 | 0,33            | 0,42            | 0,91            | 6,23                     | 6,08                     | 24,44                    | 2,61   | 1,58   | 2,70   | 1,17            |
| 1780 | 16:11:11 | 0,33            | 0,64            | 0,88            | 6,23                     | 6,08                     | 24,44                    | 1,79   | 1,52   | 1,86   | 1,34            |
| 1781 | 16:11:16 | 0,33            | 0,48            | 0,86            | 6,23                     | 6,08                     | 24,44                    | 1,62   | 1,73   | 3,05   | 1,19            |
| 1782 | 16:11:21 | 0,40            | 0,32            | 2,31            | 6,23                     | 6,08                     | 24,45                    | 1,62   | 3,47   | 1,09   | 2,41            |
| 1783 | 16:11:26 | 0,22            | 0,36            | 1,09            | 6,23                     | 6,09                     | 24,45                    | 1,94   | 1,32   | 1,65   | 1,24            |
| 1784 | 16:11:31 | 0,30            | 0,34            | 1,45            | 6,23                     | 6,09                     | 24,45                    | 2,61   | 2,03   | 2,95   | 1,59            |
| 1785 | 16:11:36 | 0,33            | 0,31            | 1,94            | 6,23                     | 6,09                     | 24,45                    | 1,93   | 2,56   | 1,14   | 2,05            |
| 1786 | 16:11:41 | 0,23            | 0,26            | 0,99            | 6,23                     | 6,09                     | 24,45                    | 1,91   | 2,05   | 2,58   | 1,10            |
| 1787 | 16:11:46 | 0,32            | 0,33            | 1,08            | 6,23                     | 6,09                     | 24,45                    | 2,68   | 1,52   | 1,96   | 1,26            |
| 1788 | 16:11:51 | 0,32            | 0,35            | 1,40            | 6,23                     | 6,09                     | 24,45                    | 1,39   | 1,79   | 1,74   | 1,55            |
| 1789 | 16:11:56 | 0,24            | 0,29            | 0,97            | 6,23                     | 6,09                     | 24,45                    | 3,13   | 3,01   | 2,47   | 1,11            |
| 1790 | 16:12:01 | 0,23            | 0,28            | 1,01            | 6,23                     | 6,09                     | 24,45                    | 2,55   | 3,09   | 2,01   | 1,13            |
| 1791 | 16:12:06 | 0,21            | 0,34            | 0,60            | 6,23                     | 6,09                     | 24,45                    | 1,61   | 1,45   | 2,47   | 0,82            |
| 1792 | 16:12:11 | 0,23            | 0,35            | 0,73            | 6,23                     | 6,09                     | 24,45                    | 3,05   | 1,14   | 2,71   | 0,94            |
| 1793 | 16:12:16 | 0,24            | 0,43            | 0,59            | 6,23                     | 6,09                     | 24,45                    | 1,21   | 2,35   | 1,63   | 0,91            |
| 1794 | 16:12:21 | 0,24            | 0,38            | 0,71            | 6,23                     | 6,09                     | 24,45                    | 1,95   | 1,61   | 1,48   | 0,95            |
| 1795 | 16:12:26 | 0,24            | 0,33            | 0,69            | 6,23                     | 6,09                     | 24,45                    | 2,62   | 2,08   | 3,05   | 0,90            |
| 1796 | 16:12:31 | 0,22            | 0,32            | 0,69            | 6,23                     | 6,09                     | 24,45                    | 1,99   | 2,12   | 2,30   | 0,88            |
| 1797 | 16:12:36 | 1,07            | 0,40            | 2,22            | 6,25                     | 6,09                     | 24,47                    | 0,83   | 2,07   | 0,99   | 2,74            |
| 1798 | 16:12:41 | 0,39            | 0,33            | 0,96            | 6,25                     | 6,09                     | 24,47                    | 1,97   | 1,86   | 5,28   | 1,19            |
| 1799 | 16:12:46 | 0,31            | 0,49            | 0,68            | 6,25                     | 6,09                     | 24,47                    | 1,59   | 1,50   | 2,48   | 1,06            |
| 1800 | 16:12:51 | 0,30            | 0,19            | 0,82            | 6,25                     | 6,09                     | 24,47                    | 1,42   | 1,40   | 1,49   | 0,96            |
| 1801 | 16:12:56 | 0,26            | 0,38            | 0,68            | 6,25                     | 6,09                     | 24,47                    | 3,16   | 1,82   | 3,74   | 0,94            |
| 1802 | 16:13:01 | 0,27            | 0,33            | 0,67            | 6,25                     | 6,09                     | 24,47                    | 1,88   | 1,68   | 1,71   | 0,90            |
| 1803 | 16:13:06 | 0,35            | 0,34            | 0,97            | 6,25                     | 6,09                     | 24,47                    | 2,18   | 2,46   | 2,66   | 1,18            |
| 1804 | 16:13:11 | 0,32            | 0,29            | 1,05            | 6,25                     | 6,09                     | 24,47                    | 1,66   | 2,41   | 1,75   | 1,21            |
| 1805 | 16:13:16 | 0,44            | 0,40            | 1,03            | 6,26                     | 6,09                     | 24,47                    | 1,59   | 2,14   | 2,59   | 1,32            |
| 1806 | 16:13:21 | 0,32            | 0,30            | 0,77            | 6,26                     | 6,09                     | 24,47                    | 1,77   | 1,74   | 2,44   | 0,99            |
| 1807 | 16:13:26 | 0,37            | 0,33            | 1,55            | 6,26                     | 6,09                     | 24,47                    | 1,92   | 4,39   | 2,05   | 1,70            |
| 1808 | 16:13:31 | 0,48            | 0,60            | 1,30            | 6,26                     | 6,09                     | 24,47                    | 4,96   | 2,27   | 5,46   | 1,69            |
| 1809 | 16:13:36 | 0,69            | 0,70            | 1,25            | 6,26                     | 6,10                     | 24,47                    | 1,80   | 1,56   | 0,97   | 1,85            |
| 1810 | 16:13:41 | 0,47            | 0,48            | 0,73            | 6,26                     | 6,10                     | 24,47                    | 1,66   | 1,37   | 2,74   | 1,19            |
| 1811 | 16:13:46 | 0,30            | 0,47            | 0,90            | 6,26                     | 6,10                     | 24,48                    | 2,76   | 2,81   | 1,34   | 1,18            |
| 1812 | 16:13:51 | 0,31            | 0,40            | 1,60            | 6,26                     | 6,10                     | 24,48                    | 3,31   | 2,90   | 2,86   | 1,75            |
| 1813 | 16:13:56 | 0,55            | 0,51            | 1,97            | 6,27                     | 6,10                     | 24,49                    | 1,56   | 2,31   | 0,98   | 2,24            |
| 1814 | 16:14:01 | 0,42            | 0,54            | 1,13            | 6,27                     | 6,10                     | 24,49                    | 2,91   | 1,82   | 1,48   | 1,47            |
| 1815 | 16:14:06 | 0,44            | 0,62            | 1,07            | 6,27                     | 6,10                     | 24,49                    | 2,03   | 2,28   | 1,65   | 1,50            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1816 | 16:14:11 | 0,32            | 0,40            | 0,91            | 6,27                     | 6,10                     | 24,49                    | 2,07   | 1,43   | 1,74   | 1,16            |
| 1817 | 16:14:16 | 0,31            | 0,47            | 0,61            | 6,27                     | 6,10                     | 24,49                    | 1,73   | 0,79   | 1,93   | 1,00            |
| 1818 | 16:14:21 | 0,55            | 0,33            | 2,07            | 6,27                     | 6,10                     | 24,49                    | 0,91   | 1,51   | 1,80   | 2,26            |
| 1819 | 16:14:26 | 0,31            | 0,43            | 2,22            | 6,27                     | 6,10                     | 24,50                    | 2,22   | 1,94   | 2,17   | 2,34            |
| 1820 | 16:14:31 | 0,27            | 0,35            | 1,65            | 6,27                     | 6,10                     | 24,50                    | 3,14   | 2,13   | 2,55   | 1,77            |
| 1821 | 16:14:36 | 0,30            | 0,26            | 0,72            | 6,27                     | 6,10                     | 24,50                    | 2,40   | 2,99   | 2,81   | 0,91            |
| 1822 | 16:14:41 | 0,32            | 0,40            | 0,98            | 6,27                     | 6,10                     | 24,50                    | 1,14   | 2,80   | 1,67   | 1,21            |
| 1823 | 16:14:46 | 0,48            | 0,51            | 1,28            | 6,27                     | 6,11                     | 24,50                    | 3,32   | 3,08   | 2,38   | 1,61            |
| 1824 | 16:14:51 | 0,49            | 0,54            | 1,13            | 6,27                     | 6,11                     | 24,50                    | 1,43   | 1,01   | 2,05   | 1,52            |
| 1825 | 16:14:56 | 0,40            | 0,81            | 1,35            | 6,27                     | 6,11                     | 24,50                    | 1,15   | 1,11   | 1,18   | 1,85            |
| 1826 | 16:15:01 | 0,44            | 0,71            | 1,13            | 6,27                     | 6,11                     | 24,50                    | 2,35   | 1,65   | 2,53   | 1,63            |
| 1827 | 16:15:06 | 0,34            | 0,52            | 0,64            | 6,27                     | 6,11                     | 24,50                    | 2,42   | 1,99   | 2,91   | 1,08            |
| 1828 | 16:15:11 | 0,49            | 0,42            | 2,34            | 6,28                     | 6,11                     | 24,52                    | 3,68   | 2,38   | 3,54   | 2,51            |
| 1829 | 16:15:16 | 0,47            | 0,41            | 3,00            | 6,28                     | 6,12                     | 24,53                    | 1,50   | 2,66   | 1,54   | 3,12            |
| 1830 | 16:15:21 | 0,29            | 0,40            | 1,96            | 6,28                     | 6,12                     | 24,53                    | 3,14   | 1,61   | 3,15   | 2,08            |
| 1831 | 16:15:26 | 0,29            | 0,39            | 1,50            | 6,28                     | 6,12                     | 24,54                    | 2,06   | 1,14   | 1,20   | 1,65            |
| 1832 | 16:15:31 | 0,28            | 0,36            | 0,88            | 6,28                     | 6,12                     | 24,54                    | 2,31   | 2,06   | 3,01   | 1,09            |
| 1833 | 16:15:36 | 0,47            | 0,57            | 2,02            | 6,28                     | 6,12                     | 24,54                    | 3,53   | 1,85   | 4,61   | 2,28            |
| 1834 | 16:15:41 | 0,54            | 0,62            | 1,32            | 6,28                     | 6,12                     | 24,54                    | 1,99   | 1,71   | 1,41   | 1,75            |
| 1835 | 16:15:46 | 0,42            | 0,61            | 1,90            | 6,28                     | 6,12                     | 24,54                    | 1,27   | 1,47   | 0,99   | 2,17            |
| 1836 | 16:15:51 | 0,67            | 0,53            | 1,34            | 6,28                     | 6,12                     | 24,55                    | 2,60   | 2,53   | 1,43   | 1,79            |
| 1837 | 16:15:56 | 0,42            | 0,31            | 0,63            | 6,28                     | 6,12                     | 24,55                    | 2,17   | 2,52   | 1,78   | 0,97            |
| 1838 | 16:16:01 | 0,29            | 0,40            | 0,95            | 6,28                     | 6,12                     | 24,55                    | 2,03   | 1,63   | 2,55   | 1,17            |
| 1839 | 16:16:06 | 0,35            | 0,43            | 0,72            | 6,28                     | 6,12                     | 24,55                    | 1,54   | 2,96   | 1,87   | 1,06            |
| 1840 | 16:16:11 | 0,34            | 0,70            | 0,65            | 6,29                     | 6,13                     | 24,55                    | 1,87   | 2,21   | 1,97   | 1,27            |
| 1841 | 16:16:16 | 0,27            | 0,54            | 0,61            | 6,29                     | 6,13                     | 24,55                    | 2,57   | 1,42   | 3,52   | 1,04            |
| 1842 | 16:16:21 | 0,32            | 0,50            | 0,65            | 6,29                     | 6,13                     | 24,55                    | 3,19   | 3,92   | 2,56   | 1,05            |
| 1843 | 16:16:26 | 0,41            | 0,29            | 2,47            | 6,29                     | 6,13                     | 24,56                    | 1,50   | 3,34   | 1,40   | 2,57            |
| 1844 | 16:16:31 | 0,32            | 0,37            | 1,88            | 6,29                     | 6,13                     | 24,56                    | 2,46   | 2,54   | 3,28   | 2,00            |
| 1845 | 16:16:36 | 0,43            | 0,64            | 2,05            | 6,29                     | 6,13                     | 24,57                    | 2,17   | 2,31   | 2,49   | 2,32            |
| 1846 | 16:16:41 | 0,34            | 0,42            | 2,67            | 6,29                     | 6,13                     | 24,58                    | 2,19   | 1,46   | 1,67   | 2,78            |
| 1847 | 16:16:46 | 0,46            | 0,38            | 3,19            | 6,29                     | 6,13                     | 24,59                    | 1,97   | 2,60   | 2,46   | 3,30            |
| 1848 | 16:16:51 | 0,37            | 0,40            | 2,76            | 6,29                     | 6,13                     | 24,60                    | 1,62   | 1,91   | 2,03   | 2,86            |
| 1849 | 16:16:56 | 0,29            | 0,31            | 3,18            | 6,29                     | 6,13                     | 24,62                    | 2,80   | 2,82   | 2,18   | 3,23            |
| 1850 | 16:17:01 | 0,23            | 0,35            | 1,81            | 6,29                     | 6,13                     | 24,62                    | 2,82   | 2,28   | 2,33   | 1,90            |
| 1851 | 16:17:06 | 0,43            | 0,55            | 1,53            | 6,29                     | 6,14                     | 24,62                    | 3,68   | 2,15   | 3,13   | 1,81            |
| 1852 | 16:17:11 | 0,27            | 0,43            | 0,78            | 6,29                     | 6,14                     | 24,62                    | 3,39   | 2,03   | 2,06   | 1,05            |
| 1853 | 16:17:16 | 0,50            | 0,52            | 0,94            | 6,29                     | 6,14                     | 24,62                    | 3,25   | 1,83   | 3,45   | 1,38            |
| 1854 | 16:17:21 | 0,63            | 0,33            | 1,47            | 6,30                     | 6,14                     | 24,63                    | 0,77   | 2,89   | 1,83   | 1,78            |
| 1855 | 16:17:26 | 0,48            | 0,72            | 1,06            | 6,30                     | 6,14                     | 24,63                    | 2,74   | 2,25   | 2,22   | 1,61            |
| 1856 | 16:17:31 | 0,47            | 0,72            | 1,99            | 6,30                     | 6,15                     | 24,63                    | 2,65   | 2,72   | 2,45   | 2,32            |
| 1857 | 16:17:36 | 0,44            | 0,72            | 0,72            | 6,30                     | 6,15                     | 24,63                    | 1,56   | 1,39   | 1,42   | 1,39            |
| 1858 | 16:17:41 | 0,44            | 0,81            | 0,85            | 6,30                     | 6,15                     | 24,63                    | 1,65   | 0,98   | 2,00   | 1,54            |
| 1859 | 16:17:46 | 0,33            | 0,72            | 0,62            | 6,30                     | 6,16                     | 24,63                    | 1,41   | 1,44   | 2,53   | 1,27            |
| 1860 | 16:17:51 | 0,31            | 0,52            | 0,78            | 6,30                     | 6,16                     | 24,63                    | 2,98   | 2,05   | 2,28   | 1,16            |
| 1861 | 16:17:56 | 0,47            | 0,83            | 1,00            | 6,30                     | 6,16                     | 24,63                    | 2,20   | 2,28   | 2,72   | 1,66            |
| 1862 | 16:18:01 | 0,31            | 0,63            | 0,65            | 6,30                     | 6,16                     | 24,63                    | 1,64   | 1,36   | 1,64   | 1,18            |
| 1863 | 16:18:06 | 0,53            | 0,46            | 0,82            | 6,30                     | 6,17                     | 24,63                    | 2,85   | 1,29   | 2,29   | 1,28            |
| 1864 | 16:18:11 | 0,34            | 0,39            | 0,68            | 6,30                     | 6,17                     | 24,63                    | 2,49   | 4,05   | 3,68   | 1,00            |
| 1865 | 16:18:16 | 0,29            | 0,43            | 1,48            | 6,30                     | 6,17                     | 24,64                    | 3,14   | 3,76   | 3,42   | 1,65            |
| 1866 | 16:18:21 | 0,40            | 0,51            | 2,23            | 6,30                     | 6,17                     | 24,64                    | 1,92   | 2,07   | 1,27   | 2,41            |
| 1867 | 16:18:26 | 0,41            | 0,53            | 2,64            | 6,30                     | 6,17                     | 24,65                    | 1,60   | 1,37   | 1,87   | 2,80            |
| 1868 | 16:18:31 | 0,41            | 0,44            | 3,08            | 6,30                     | 6,17                     | 24,67                    | 2,36   | 1,60   | 2,10   | 3,19            |
| 1869 | 16:18:36 | 0,38            | 0,36            | 3,18            | 6,30                     | 6,17                     | 24,69                    | 1,96   | 2,23   | 1,66   | 3,26            |
| 1870 | 16:18:41 | 0,40            | 0,41            | 2,25            | 6,30                     | 6,17                     | 24,69                    | 1,93   | 1,91   | 1,02   | 2,38            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1871 | 16:18:46 | 0,33            | 0,39            | 1,61            | 6,30                     | 6,17                     | 24,70                    | 2,65   | 2,79   | 3,14   | 1,76            |
| 1872 | 16:18:51 | 0,32            | 0,38            | 1,31            | 6,30                     | 6,17                     | 24,70                    | 2,81   | 1,27   | 1,80   | 1,48            |
| 1873 | 16:18:56 | 0,66            | 0,73            | 2,48            | 6,31                     | 6,17                     | 24,70                    | 1,44   | 2,93   | 1,87   | 2,84            |
| 1874 | 16:19:01 | 0,41            | 0,57            | 1,56            | 6,31                     | 6,17                     | 24,71                    | 1,78   | 1,75   | 2,01   | 1,84            |
| 1875 | 16:19:06 | 0,62            | 0,52            | 2,05            | 6,31                     | 6,18                     | 24,72                    | 2,78   | 3,31   | 4,31   | 2,34            |
| 1876 | 16:19:11 | 0,40            | 0,35            | 1,39            | 6,31                     | 6,18                     | 24,72                    | 1,35   | 1,38   | 1,09   | 1,57            |
| 1877 | 16:19:16 | 0,30            | 0,35            | 0,95            | 6,31                     | 6,18                     | 24,72                    | 2,81   | 2,76   | 2,17   | 1,15            |
| 1878 | 16:19:21 | 0,29            | 0,33            | 2,11            | 6,31                     | 6,18                     | 24,73                    | 1,95   | 2,00   | 1,17   | 2,20            |
| 1879 | 16:19:26 | 0,62            | 0,78            | 1,03            | 6,31                     | 6,18                     | 24,73                    | 2,57   | 1,52   | 1,54   | 1,74            |
| 1880 | 16:19:31 | 1,29            | 1,77            | 1,03            | 6,34                     | 6,26                     | 24,73                    | 0,88   | 0,47   | 2,68   | 3,23            |
| 1881 | 16:19:36 | 0,41            | 0,46            | 1,49            | 6,34                     | 6,26                     | 24,73                    | 3,04   | 1,83   | 2,09   | 1,72            |
| 1882 | 16:19:41 | 0,40            | 0,52            | 1,36            | 6,34                     | 6,26                     | 24,73                    | 2,12   | 1,87   | 3,04   | 1,64            |
| 1883 | 16:19:46 | 0,45            | 0,43            | 0,76            | 6,34                     | 6,26                     | 24,73                    | 1,26   | 1,67   | 3,23   | 1,16            |
| 1884 | 16:19:51 | 0,30            | 0,37            | 1,21            | 6,34                     | 6,26                     | 24,73                    | 3,59   | 2,52   | 1,27   | 1,38            |
| 1885 | 16:19:56 | 0,28            | 0,35            | 0,86            | 6,34                     | 6,26                     | 24,73                    | 1,97   | 1,98   | 2,68   | 1,07            |
| 1886 | 16:20:01 | 0,48            | 0,52            | 3,09            | 6,34                     | 6,27                     | 24,76                    | 5,66   | 3,09   | 3,63   | 3,25            |
| 1887 | 16:20:06 | 0,66            | 0,81            | 1,69            | 6,34                     | 6,29                     | 24,76                    | 1,33   | 0,98   | 3,24   | 2,23            |
| 1888 | 16:20:11 | 0,42            | 0,51            | 2,35            | 6,34                     | 6,29                     | 24,77                    | 2,48   | 2,56   | 2,68   | 2,52            |
| 1889 | 16:20:16 | 0,51            | 0,80            | 1,16            | 6,35                     | 6,29                     | 24,77                    | 0,87   | 2,25   | 1,60   | 1,76            |
| 1890 | 16:20:21 | 0,36            | 0,32            | 0,64            | 6,35                     | 6,30                     | 24,77                    | 1,43   | 1,18   | 3,14   | 0,93            |
| 1891 | 16:20:26 | 0,28            | 0,32            | 1,01            | 6,35                     | 6,30                     | 24,77                    | 2,20   | 2,39   | 1,78   | 1,18            |
| 1892 | 16:20:31 | 0,30            | 0,34            | 0,87            | 6,35                     | 6,30                     | 24,77                    | 2,43   | 2,13   | 3,28   | 1,08            |
| 1893 | 16:20:36 | 0,64            | 0,54            | 1,99            | 6,35                     | 6,30                     | 24,77                    | 0,77   | 1,86   | 2,46   | 2,31            |
| 1894 | 16:20:41 | 0,56            | 0,74            | 0,94            | 6,36                     | 6,31                     | 24,77                    | 1,63   | 0,75   | 3,13   | 1,61            |
| 1895 | 16:20:46 | 0,49            | 0,56            | 1,67            | 6,36                     | 6,31                     | 24,78                    | 2,60   | 1,48   | 1,35   | 1,97            |
| 1896 | 16:20:51 | 0,47            | 0,46            | 0,96            | 6,36                     | 6,31                     | 24,78                    | 2,51   | 1,56   | 2,00   | 1,33            |
| 1897 | 16:20:56 | 0,40            | 0,34            | 0,87            | 6,36                     | 6,31                     | 24,78                    | 1,12   | 1,38   | 2,65   | 1,14            |
| 1898 | 16:21:01 | 0,76            | 0,62            | 1,76            | 6,37                     | 6,31                     | 24,78                    | 1,83   | 1,87   | 1,59   | 2,23            |
| 1899 | 16:21:06 | 0,36            | 0,44            | 1,01            | 6,37                     | 6,31                     | 24,78                    | 1,23   | 1,00   | 3,05   | 1,29            |
| 1900 | 16:21:11 | 0,65            | 0,50            | 1,56            | 6,37                     | 6,31                     | 24,78                    | 3,69   | 3,69   | 5,82   | 1,93            |
| 1901 | 16:21:16 | 0,57            | 0,58            | 2,20            | 6,37                     | 6,31                     | 24,79                    | 0,60   | 0,82   | 1,07   | 2,48            |
| 1902 | 16:21:21 | 0,56            | 0,36            | 3,26            | 6,37                     | 6,31                     | 24,83                    | 1,99   | 2,69   | 0,42   | 3,39            |
| 1903 | 16:21:26 | 0,50            | 0,52            | 0,95            | 6,37                     | 6,31                     | 24,83                    | 2,41   | 2,44   | 3,70   | 1,39            |
| 1904 | 16:21:31 | 0,39            | 0,59            | 1,75            | 6,38                     | 6,32                     | 24,83                    | 2,38   | 2,16   | 0,72   | 2,01            |
| 1905 | 16:21:36 | 0,34            | 0,37            | 0,82            | 6,38                     | 6,32                     | 24,83                    | 1,57   | 1,94   | 2,67   | 1,08            |
| 1906 | 16:21:41 | 0,88            | 0,50            | 2,16            | 6,38                     | 6,32                     | 24,85                    | 1,60   | 2,74   | 4,68   | 2,58            |
| 1907 | 16:21:46 | 0,50            | 0,51            | 1,84            | 6,38                     | 6,32                     | 24,85                    | 2,19   | 2,39   | 1,46   | 2,09            |
| 1908 | 16:21:51 | 0,42            | 0,38            | 0,91            | 6,38                     | 6,32                     | 24,85                    | 1,88   | 2,32   | 3,52   | 1,21            |
| 1909 | 16:21:56 | 0,27            | 0,30            | 0,83            | 6,38                     | 6,32                     | 24,85                    | 2,18   | 2,19   | 2,39   | 1,00            |
| 1910 | 16:22:01 | 0,36            | 0,37            | 1,64            | 6,38                     | 6,32                     | 24,86                    | 1,99   | 0,92   | 1,40   | 1,79            |
| 1911 | 16:22:06 | 0,76            | 0,48            | 1,72            | 6,40                     | 6,32                     | 24,86                    | 2,86   | 2,96   | 4,22   | 2,13            |
| 1912 | 16:22:11 | 0,48            | 0,49            | 1,07            | 6,40                     | 6,32                     | 24,86                    | 1,45   | 1,45   | 2,15   | 1,44            |
| 1913 | 16:22:16 | 0,33            | 0,40            | 2,26            | 6,40                     | 6,32                     | 24,87                    | 3,13   | 3,22   | 1,99   | 2,37            |
| 1914 | 16:22:21 | 0,35            | 0,40            | 1,94            | 6,40                     | 6,32                     | 24,87                    | 1,84   | 1,95   | 1,53   | 2,08            |
| 1915 | 16:22:26 | 0,52            | 0,47            | 1,56            | 6,41                     | 6,32                     | 24,88                    | 4,46   | 3,72   | 5,35   | 1,84            |
| 1916 | 16:22:31 | 0,53            | 0,46            | 1,34            | 6,41                     | 6,33                     | 24,88                    | 1,58   | 1,29   | 2,42   | 1,66            |
| 1917 | 16:22:36 | 0,47            | 0,39            | 1,25            | 6,41                     | 6,33                     | 24,88                    | 1,03   | 1,91   | 1,00   | 1,52            |
| 1918 | 16:22:41 | 0,37            | 0,29            | 0,58            | 6,41                     | 6,33                     | 24,88                    | 1,79   | 1,91   | 2,54   | 0,88            |
| 1919 | 16:22:46 | 0,31            | 0,33            | 2,15            | 6,41                     | 6,33                     | 24,89                    | 3,35   | 2,70   | 3,01   | 2,24            |
| 1920 | 16:22:51 | 0,50            | 0,82            | 1,82            | 6,41                     | 6,33                     | 24,89                    | 3,15   | 1,31   | 2,85   | 2,26            |
| 1921 | 16:22:56 | 0,48            | 1,12            | 1,01            | 6,41                     | 6,35                     | 24,89                    | 2,68   | 0,42   | 2,39   | 1,98            |
| 1922 | 16:23:01 | 0,42            | 0,36            | 2,06            | 6,41                     | 6,35                     | 24,89                    | 3,01   | 4,07   | 2,37   | 2,20            |
| 1923 | 16:23:06 | 0,57            | 0,55            | 2,03            | 6,42                     | 6,35                     | 24,90                    | 1,80   | 2,86   | 2,01   | 2,31            |
| 1924 | 16:23:11 | 0,42            | 0,40            | 0,89            | 6,42                     | 6,35                     | 24,90                    | 4,09   | 3,96   | 4,03   | 1,21            |
| 1925 | 16:23:16 | 0,59            | 0,55            | 1,39            | 6,42                     | 6,36                     | 24,90                    | 1,70   | 1,68   | 3,41   | 1,79            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1926 | 16:23:21 | 0,28            | 0,41            | 1,14            | 6,42                     | 6,36                     | 24,90                    | 1,91   | 1,88   | 2,49   | 1,33            |
| 1927 | 16:23:26 | 0,47            | 0,40            | 1,48            | 6,42                     | 6,36                     | 24,90                    | 4,23   | 4,08   | 2,42   | 1,72            |
| 1928 | 16:23:31 | 0,46            | 0,46            | 2,24            | 6,42                     | 6,36                     | 24,91                    | 1,71   | 2,75   | 1,55   | 2,42            |
| 1929 | 16:23:36 | 0,43            | 0,36            | 1,04            | 6,42                     | 6,36                     | 24,91                    | 2,41   | 2,18   | 2,31   | 1,30            |
| 1930 | 16:23:41 | 0,37            | 0,59            | 0,95            | 6,42                     | 6,36                     | 24,91                    | 1,79   | 0,83   | 1,22   | 1,36            |
| 1931 | 16:23:46 | 0,45            | 0,45            | 1,36            | 6,42                     | 6,36                     | 24,91                    | 1,95   | 2,19   | 2,94   | 1,63            |
| 1932 | 16:23:51 | 0,43            | 0,36            | 0,97            | 6,42                     | 6,36                     | 24,91                    | 2,34   | 3,83   | 2,53   | 1,25            |
| 1933 | 16:23:56 | 0,46            | 0,47            | 1,07            | 6,42                     | 6,36                     | 24,91                    | 2,07   | 2,47   | 2,37   | 1,41            |
| 1934 | 16:24:01 | 0,49            | 0,46            | 1,77            | 6,42                     | 6,36                     | 24,91                    | 1,45   | 2,79   | 2,50   | 2,00            |
| 1935 | 16:24:06 | 0,47            | 0,37            | 1,39            | 6,42                     | 6,36                     | 24,91                    | 1,61   | 2,26   | 1,17   | 1,62            |
| 1936 | 16:24:11 | 0,35            | 0,51            | 0,52            | 6,43                     | 6,36                     | 24,91                    | 1,33   | 1,93   | 2,65   | 1,01            |
| 1937 | 16:24:16 | 0,46            | 0,45            | 1,30            | 6,43                     | 6,36                     | 24,92                    | 1,46   | 1,67   | 2,62   | 1,58            |
| 1938 | 16:24:21 | 0,33            | 0,37            | 2,30            | 6,43                     | 6,36                     | 24,92                    | 1,99   | 1,99   | 0,67   | 2,40            |
| 1939 | 16:24:26 | 0,33            | 0,29            | 0,78            | 6,43                     | 6,36                     | 24,92                    | 3,80   | 3,90   | 2,02   | 1,00            |
| 1940 | 16:24:32 | 0,32            | 0,41            | 1,25            | 6,43                     | 6,36                     | 24,92                    | 2,36   | 2,14   | 1,46   | 1,45            |
| 1941 | 16:24:37 | 0,34            | 0,33            | 1,82            | 6,43                     | 6,36                     | 24,93                    | 2,37   | 2,77   | 4,28   | 1,94            |
| 1942 | 16:24:42 | 0,44            | 0,41            | 2,63            | 6,43                     | 6,36                     | 24,94                    | 1,26   | 1,23   | 1,04   | 2,76            |
| 1943 | 16:24:47 | 0,36            | 0,34            | 1,47            | 6,43                     | 6,36                     | 24,94                    | 2,63   | 1,63   | 2,92   | 1,62            |
| 1944 | 16:24:52 | 0,37            | 0,32            | 1,43            | 6,43                     | 6,36                     | 24,94                    | 1,52   | 2,18   | 1,12   | 1,58            |
| 1945 | 16:24:57 | 0,34            | 0,31            | 1,52            | 6,43                     | 6,36                     | 24,94                    | 2,63   | 3,19   | 2,64   | 1,65            |
| 1946 | 16:25:02 | 0,35            | 0,42            | 1,88            | 6,43                     | 6,36                     | 24,94                    | 1,58   | 1,87   | 1,19   | 2,03            |
| 1947 | 16:25:07 | 0,34            | 0,37            | 1,71            | 6,43                     | 6,37                     | 24,95                    | 2,45   | 2,68   | 2,51   | 1,85            |
| 1948 | 16:25:12 | 0,30            | 0,33            | 0,78            | 6,43                     | 6,37                     | 24,95                    | 1,65   | 1,56   | 2,12   | 1,00            |
| 1949 | 16:25:17 | 0,28            | 0,23            | 0,79            | 6,43                     | 6,37                     | 24,95                    | 1,83   | 2,37   | 2,31   | 0,94            |
| 1950 | 16:25:22 | 0,26            | 0,31            | 1,02            | 6,43                     | 6,37                     | 24,95                    | 2,87   | 2,41   | 1,39   | 1,17            |
| 1951 | 16:25:27 | 0,25            | 0,28            | 1,37            | 6,43                     | 6,37                     | 24,95                    | 1,32   | 2,17   | 1,81   | 1,47            |
| 1952 | 16:25:32 | 0,22            | 0,25            | 0,80            | 6,43                     | 6,37                     | 24,95                    | 2,03   | 1,57   | 2,43   | 0,92            |
| 1953 | 16:25:37 | 0,27            | 0,34            | 0,89            | 6,43                     | 6,37                     | 24,95                    | 1,63   | 2,01   | 1,83   | 1,08            |
| 1954 | 16:25:42 | 0,34            | 0,32            | 1,05            | 6,43                     | 6,37                     | 24,95                    | 1,77   | 2,00   | 2,70   | 1,24            |
| 1955 | 16:25:47 | 0,30            | 0,32            | 1,17            | 6,43                     | 6,37                     | 24,95                    | 1,86   | 1,46   | 2,70   | 1,32            |
| 1956 | 16:25:53 | 0,38            | 0,35            | 1,67            | 6,43                     | 6,37                     | 24,95                    | 2,09   | 1,69   | 1,87   | 1,82            |
| 1957 | 16:25:58 | 0,35            | 0,34            | 1,48            | 6,43                     | 6,37                     | 24,95                    | 2,95   | 2,67   | 3,90   | 1,63            |
| 1958 | 16:26:03 | 0,33            | 0,28            | 1,65            | 6,43                     | 6,37                     | 24,95                    | 1,48   | 2,00   | 1,18   | 1,76            |
| 1959 | 16:26:08 | 0,31            | 0,36            | 1,23            | 6,43                     | 6,37                     | 24,95                    | 2,47   | 2,52   | 3,08   | 1,40            |
| 1960 | 16:26:13 | 0,31            | 0,39            | 1,58            | 6,43                     | 6,37                     | 24,96                    | 2,42   | 2,67   | 2,37   | 1,73            |
| 1961 | 16:26:18 | 0,44            | 0,51            | 2,39            | 6,43                     | 6,37                     | 24,96                    | 3,45   | 2,88   | 2,35   | 2,57            |
| 1962 | 16:26:23 | 0,43            | 0,38            | 1,99            | 6,43                     | 6,37                     | 24,97                    | 2,70   | 2,31   | 2,84   | 2,14            |
| 1963 | 16:26:28 | 0,50            | 0,38            | 2,00            | 6,43                     | 6,37                     | 24,97                    | 1,33   | 1,80   | 2,77   | 2,18            |
| 1964 | 16:26:33 | 0,44            | 0,44            | 1,58            | 6,43                     | 6,37                     | 24,97                    | 2,98   | 2,97   | 2,53   | 1,81            |
| 1965 | 16:26:38 | 0,47            | 0,44            | 1,67            | 6,43                     | 6,37                     | 24,97                    | 1,79   | 2,38   | 1,31   | 1,90            |
| 1966 | 16:26:43 | 0,37            | 0,35            | 2,05            | 6,43                     | 6,37                     | 24,98                    | 2,37   | 1,73   | 3,20   | 2,17            |
| 1967 | 16:26:48 | 0,36            | 0,44            | 2,26            | 6,43                     | 6,37                     | 24,99                    | 1,56   | 2,19   | 1,53   | 2,39            |
| 1968 | 16:26:53 | 0,38            | 0,34            | 1,06            | 6,43                     | 6,37                     | 24,99                    | 2,13   | 1,06   | 1,86   | 1,28            |
| 1969 | 16:26:58 | 0,30            | 0,25            | 1,18            | 6,43                     | 6,37                     | 24,99                    | 2,15   | 2,69   | 2,44   | 1,29            |
| 1970 | 16:27:03 | 0,32            | 0,30            | 1,39            | 6,43                     | 6,37                     | 24,99                    | 2,04   | 2,77   | 1,74   | 1,52            |
| 1971 | 16:27:08 | 0,35            | 0,36            | 1,36            | 6,43                     | 6,37                     | 24,99                    | 1,94   | 1,42   | 1,54   | 1,53            |
| 1972 | 16:27:13 | 0,36            | 0,37            | 1,33            | 6,43                     | 6,37                     | 24,99                    | 2,20   | 2,13   | 2,47   | 1,52            |
| 1973 | 16:27:18 | 0,46            | 0,47            | 1,99            | 6,43                     | 6,37                     | 24,99                    | 2,08   | 2,46   | 1,99   | 2,19            |
| 1974 | 16:27:23 | 0,55            | 0,55            | 1,80            | 6,44                     | 6,37                     | 24,99                    | 1,97   | 1,31   | 1,85   | 2,10            |
| 1975 | 16:27:28 | 0,70            | 0,74            | 2,31            | 6,44                     | 6,38                     | 25,00                    | 2,71   | 2,64   | 2,44   | 2,71            |
| 1976 | 16:27:33 | 1,04            | 0,81            | 2,14            | 6,47                     | 6,38                     | 25,02                    | 0,87   | 1,45   | 0,90   | 2,83            |
| 1977 | 16:27:38 | 0,40            | 0,60            | 0,89            | 6,47                     | 6,39                     | 25,02                    | 2,48   | 1,74   | 3,96   | 1,34            |
| 1978 | 16:27:43 | 0,42            | 0,32            | 1,00            | 6,47                     | 6,39                     | 25,02                    | 1,65   | 2,84   | 2,01   | 1,25            |
| 1979 | 16:27:48 | 0,34            | 0,42            | 0,89            | 6,47                     | 6,39                     | 25,02                    | 2,64   | 2,44   | 1,52   | 1,17            |
| 1980 | 16:27:53 | 0,39            | 0,36            | 1,38            | 6,47                     | 6,39                     | 25,02                    | 1,78   | 1,80   | 1,47   | 1,57            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 1981 | 16:27:58 | 0,29            | 0,36            | 1,07            | 6,47                     | 6,39                     | 25,02                    | 1,82   | 2,38   | 1,75   | 1,25            |
| 1982 | 16:28:03 | 0,25            | 0,29            | 0,93            | 6,47                     | 6,39                     | 25,02                    | 2,61   | 1,79   | 2,39   | 1,08            |
| 1983 | 16:28:08 | 0,29            | 0,29            | 0,92            | 6,47                     | 6,39                     | 25,02                    | 2,19   | 2,55   | 2,11   | 1,08            |
| 1984 | 16:28:13 | 0,36            | 0,35            | 1,35            | 6,47                     | 6,39                     | 25,02                    | 1,70   | 3,22   | 1,79   | 1,52            |
| 1985 | 16:28:18 | 0,43            | 0,54            | 1,19            | 6,47                     | 6,39                     | 25,02                    | 3,05   | 2,05   | 1,76   | 1,53            |
| 1986 | 16:28:23 | 0,46            | 0,45            | 1,55            | 6,47                     | 6,39                     | 25,02                    | 1,95   | 3,48   | 2,48   | 1,79            |
| 1987 | 16:28:28 | 0,35            | 0,38            | 1,38            | 6,47                     | 6,39                     | 25,03                    | 2,46   | 3,32   | 2,64   | 1,55            |
| 1988 | 16:28:33 | 0,35            | 0,46            | 1,07            | 6,47                     | 6,39                     | 25,03                    | 1,67   | 1,47   | 1,50   | 1,34            |
| 1989 | 16:28:38 | 0,38            | 0,44            | 1,38            | 6,47                     | 6,39                     | 25,03                    | 1,89   | 2,98   | 2,74   | 1,61            |
| 1990 | 16:28:43 | 0,40            | 0,36            | 1,55            | 6,48                     | 6,39                     | 25,03                    | 3,15   | 2,38   | 3,27   | 1,72            |
| 1991 | 16:28:48 | 0,34            | 0,54            | 0,91            | 6,48                     | 6,39                     | 25,03                    | 2,25   | 1,52   | 2,56   | 1,28            |
| 1992 | 16:28:53 | 0,34            | 0,43            | 1,25            | 6,48                     | 6,39                     | 25,03                    | 1,80   | 2,41   | 2,01   | 1,46            |
| 1993 | 16:28:58 | 0,40            | 0,42            | 0,99            | 6,48                     | 6,39                     | 25,03                    | 1,14   | 1,17   | 0,99   | 1,28            |
| 1994 | 16:29:03 | 0,27            | 0,37            | 0,71            | 6,48                     | 6,39                     | 25,03                    | 2,71   | 1,80   | 3,52   | 0,96            |
| 1995 | 16:29:08 | 0,37            | 0,44            | 0,93            | 6,48                     | 6,39                     | 25,03                    | 2,61   | 2,02   | 2,80   | 1,22            |
| 1996 | 16:29:13 | 0,34            | 0,38            | 0,90            | 6,48                     | 6,39                     | 25,03                    | 1,65   | 1,97   | 2,21   | 1,15            |
| 1997 | 16:29:18 | 0,33            | 0,36            | 1,24            | 6,48                     | 6,39                     | 25,03                    | 1,84   | 1,96   | 2,51   | 1,42            |
| 1998 | 16:29:23 | 0,35            | 0,40            | 1,29            | 6,48                     | 6,39                     | 25,03                    | 2,94   | 2,10   | 2,17   | 1,49            |
| 1999 | 16:29:28 | 0,35            | 0,47            | 0,73            | 6,48                     | 6,39                     | 25,03                    | 2,22   | 1,59   | 3,29   | 1,10            |
| 2000 | 16:29:33 | 0,36            | 0,35            | 1,08            | 6,48                     | 6,39                     | 25,03                    | 1,58   | 1,58   | 1,59   | 1,29            |
| 2001 | 16:29:38 | 0,32            | 0,38            | 0,89            | 6,48                     | 6,39                     | 25,03                    | 2,16   | 1,91   | 3,83   | 1,13            |
| 2002 | 16:29:43 | 0,27            | 0,32            | 0,94            | 6,48                     | 6,39                     | 25,04                    | 2,40   | 2,79   | 3,13   | 1,10            |
| 2003 | 16:29:48 | 0,31            | 0,42            | 1,43            | 6,48                     | 6,39                     | 25,04                    | 2,31   | 1,28   | 1,24   | 1,61            |
| 2004 | 16:29:53 | 0,38            | 0,55            | 1,47            | 6,48                     | 6,40                     | 25,04                    | 3,44   | 1,77   | 3,11   | 1,75            |
| 2005 | 16:29:58 | 0,32            | 0,54            | 1,14            | 6,48                     | 6,40                     | 25,04                    | 2,90   | 2,05   | 1,85   | 1,44            |
| 2006 | 16:30:03 | 0,38            | 0,45            | 0,88            | 6,48                     | 6,40                     | 25,04                    | 2,05   | 2,06   | 2,71   | 1,21            |
| 2007 | 16:30:08 | 0,39            | 0,49            | 1,43            | 6,48                     | 6,40                     | 25,04                    | 2,79   | 1,65   | 4,97   | 1,67            |
| 2008 | 16:30:13 | 0,42            | 0,59            | 1,31            | 6,48                     | 6,40                     | 25,04                    | 1,79   | 1,83   | 1,60   | 1,66            |
| 2009 | 16:30:18 | 0,59            | 0,46            | 2,77            | 6,48                     | 6,40                     | 25,06                    | 1,68   | 1,26   | 3,27   | 2,96            |
| 2010 | 16:30:23 | 0,36            | 0,32            | 1,76            | 6,48                     | 6,40                     | 25,06                    | 2,46   | 2,96   | 1,89   | 1,89            |
| 2011 | 16:30:28 | 0,32            | 0,36            | 1,27            | 6,48                     | 6,40                     | 25,06                    | 2,51   | 2,41   | 3,05   | 1,44            |
| 2012 | 16:30:33 | 0,44            | 0,45            | 2,93            | 6,48                     | 6,40                     | 25,07                    | 2,45   | 2,41   | 2,02   | 3,06            |
| 2013 | 16:30:38 | 0,36            | 0,38            | 2,73            | 6,48                     | 6,40                     | 25,08                    | 2,69   | 1,69   | 2,24   | 2,82            |
| 2014 | 16:30:43 | 0,49            | 0,53            | 2,77            | 6,48                     | 6,40                     | 25,09                    | 1,38   | 1,80   | 2,04   | 2,95            |
| 2015 | 16:30:48 | 0,36            | 0,43            | 2,23            | 6,48                     | 6,40                     | 25,10                    | 2,18   | 2,09   | 1,92   | 2,37            |
| 2016 | 16:30:53 | 0,39            | 0,40            | 1,95            | 6,48                     | 6,40                     | 25,10                    | 2,10   | 1,16   | 1,12   | 2,11            |
| 2017 | 16:30:58 | 0,44            | 0,49            | 2,25            | 6,48                     | 6,40                     | 25,10                    | 1,68   | 1,37   | 2,34   | 2,43            |
| 2018 | 16:31:03 | 0,29            | 0,38            | 1,96            | 6,48                     | 6,40                     | 25,10                    | 2,40   | 1,94   | 2,52   | 2,07            |
| 2019 | 16:31:08 | 0,29            | 0,36            | 1,50            | 6,48                     | 6,40                     | 25,11                    | 2,27   | 1,79   | 1,86   | 1,64            |
| 2020 | 16:31:13 | 0,38            | 0,42            | 0,97            | 6,48                     | 6,40                     | 25,11                    | 2,89   | 3,03   | 4,15   | 1,26            |
| 2021 | 16:31:18 | 0,34            | 0,38            | 1,20            | 6,48                     | 6,40                     | 25,11                    | 2,27   | 2,11   | 2,80   | 1,40            |
| 2022 | 16:31:23 | 0,50            | 0,47            | 1,24            | 6,48                     | 6,40                     | 25,11                    | 2,45   | 3,51   | 3,21   | 1,57            |
| 2023 | 16:31:28 | 0,38            | 0,38            | 1,06            | 6,48                     | 6,41                     | 25,11                    | 2,02   | 2,39   | 1,87   | 1,30            |
| 2024 | 16:31:33 | 0,29            | 0,38            | 1,29            | 6,48                     | 6,41                     | 25,11                    | 2,54   | 2,14   | 3,08   | 1,45            |
| 2025 | 16:31:38 | 0,31            | 0,37            | 1,24            | 6,48                     | 6,41                     | 25,11                    | 1,78   | 2,06   | 1,58   | 1,41            |
| 2026 | 16:31:43 | 0,39            | 0,49            | 1,43            | 6,49                     | 6,41                     | 25,11                    | 1,97   | 2,77   | 3,08   | 1,68            |
| 2027 | 16:31:48 | 0,29            | 0,38            | 2,04            | 6,49                     | 6,41                     | 25,11                    | 2,71   | 1,83   | 2,65   | 2,15            |
| 2028 | 16:31:53 | 0,43            | 0,38            | 2,95            | 6,49                     | 6,41                     | 25,12                    | 1,58   | 2,54   | 2,12   | 3,05            |
| 2029 | 16:31:58 | 0,33            | 0,43            | 2,30            | 6,49                     | 6,41                     | 25,13                    | 1,69   | 2,75   | 3,03   | 2,42            |
| 2030 | 16:32:03 | 0,45            | 0,48            | 2,27            | 6,49                     | 6,41                     | 25,14                    | 1,54   | 1,25   | 1,49   | 2,45            |
| 2031 | 16:32:08 | 0,37            | 0,40            | 2,19            | 6,49                     | 6,41                     | 25,14                    | 2,09   | 1,88   | 2,06   | 2,32            |
| 2032 | 16:32:13 | 0,37            | 0,36            | 1,70            | 6,49                     | 6,41                     | 25,14                    | 3,19   | 3,43   | 3,31   | 1,85            |
| 2033 | 16:32:18 | 0,41            | 0,41            | 2,70            | 6,49                     | 6,41                     | 25,15                    | 2,26   | 2,67   | 1,92   | 2,82            |
| 2034 | 16:32:23 | 0,38            | 0,36            | 2,03            | 6,49                     | 6,41                     | 25,15                    | 1,84   | 2,43   | 1,02   | 2,16            |
| 2035 | 16:32:28 | 0,29            | 0,35            | 1,00            | 6,49                     | 6,41                     | 25,15                    | 1,35   | 1,82   | 1,42   | 1,18            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2036 | 16:32:33 | 0,25            | 0,33            | 0,74            | 6,49                     | 6,41                     | 25,15                    | 3,08   | 1,57   | 2,17   | 0,94            |
| 2037 | 16:32:38 | 0,27            | 0,37            | 0,84            | 6,49                     | 6,41                     | 25,15                    | 2,84   | 1,96   | 2,64   | 1,06            |
| 2038 | 16:32:43 | 0,31            | 0,39            | 1,40            | 6,49                     | 6,41                     | 25,15                    | 2,73   | 1,53   | 2,21   | 1,56            |
| 2039 | 16:32:48 | 0,32            | 0,31            | 1,46            | 6,49                     | 6,41                     | 25,16                    | 3,16   | 2,02   | 1,44   | 1,58            |
| 2040 | 16:32:53 | 0,38            | 0,38            | 1,41            | 6,49                     | 6,41                     | 25,16                    | 3,29   | 3,18   | 3,19   | 1,60            |
| 2041 | 16:32:58 | 0,42            | 0,41            | 1,39            | 6,49                     | 6,41                     | 25,16                    | 2,90   | 2,22   | 1,53   | 1,62            |
| 2042 | 16:33:03 | 0,81            | 0,68            | 2,94            | 6,49                     | 6,41                     | 25,18                    | 2,08   | 2,86   | 1,31   | 3,29            |
| 2043 | 16:33:08 | 0,39            | 0,43            | 0,88            | 6,50                     | 6,41                     | 25,18                    | 2,13   | 2,34   | 4,12   | 1,20            |
| 2044 | 16:33:13 | 0,34            | 0,32            | 1,16            | 6,50                     | 6,41                     | 25,18                    | 2,63   | 1,89   | 2,04   | 1,33            |
| 2045 | 16:33:18 | 0,34            | 0,36            | 1,03            | 6,50                     | 6,42                     | 25,18                    | 1,78   | 1,74   | 2,52   | 1,25            |
| 2046 | 16:33:23 | 0,32            | 0,31            | 1,36            | 6,50                     | 6,42                     | 25,18                    | 2,03   | 1,96   | 2,64   | 1,50            |
| 2047 | 16:33:28 | 0,35            | 0,41            | 1,02            | 6,50                     | 6,42                     | 25,19                    | 2,24   | 1,08   | 2,60   | 1,27            |
| 2048 | 16:33:33 | 0,27            | 0,28            | 0,85            | 6,50                     | 6,42                     | 25,19                    | 2,67   | 2,14   | 2,31   | 1,01            |
| 2049 | 16:33:38 | 0,31            | 0,32            | 1,32            | 6,50                     | 6,42                     | 25,19                    | 1,98   | 2,44   | 3,51   | 1,46            |
| 2050 | 16:33:43 | 0,34            | 0,34            | 1,67            | 6,50                     | 6,42                     | 25,19                    | 1,96   | 1,95   | 1,07   | 1,80            |
| 2051 | 16:33:48 | 0,36            | 0,40            | 2,45            | 6,50                     | 6,42                     | 25,20                    | 1,73   | 2,09   | 1,65   | 2,57            |
| 2052 | 16:33:53 | 0,36            | 0,35            | 1,50            | 6,50                     | 6,42                     | 25,20                    | 2,27   | 1,65   | 1,96   | 1,65            |
| 2053 | 16:33:58 | 0,55            | 0,35            | 1,31            | 6,50                     | 6,42                     | 25,20                    | 1,20   | 1,42   | 1,76   | 1,60            |
| 2054 | 16:34:03 | 0,38            | 0,34            | 1,59            | 6,50                     | 6,42                     | 25,20                    | 1,73   | 1,98   | 2,66   | 1,74            |
| 2055 | 16:34:08 | 0,34            | 0,38            | 1,61            | 6,50                     | 6,42                     | 25,20                    | 1,95   | 1,41   | 2,10   | 1,76            |
| 2056 | 16:34:13 | 0,38            | 0,45            | 1,83            | 6,50                     | 6,42                     | 25,21                    | 1,45   | 1,09   | 0,82   | 2,00            |
| 2057 | 16:34:18 | 0,33            | 0,29            | 0,84            | 6,50                     | 6,42                     | 25,21                    | 1,92   | 1,75   | 2,30   | 1,04            |
| 2058 | 16:34:23 | 0,36            | 0,27            | 0,85            | 6,50                     | 6,42                     | 25,21                    | 2,82   | 1,71   | 1,81   | 1,06            |
| 2059 | 16:34:28 | 0,41            | 0,32            | 0,79            | 6,50                     | 6,42                     | 25,21                    | 2,28   | 1,78   | 2,67   | 1,08            |
| 2060 | 16:34:33 | 0,44            | 0,34            | 0,92            | 6,50                     | 6,42                     | 25,21                    | 2,41   | 2,26   | 1,26   | 1,21            |
| 2061 | 16:34:38 | 0,40            | 0,35            | 0,72            | 6,50                     | 6,42                     | 25,21                    | 1,66   | 1,65   | 2,02   | 1,04            |
| 2062 | 16:34:43 | 0,39            | 0,32            | 0,88            | 6,50                     | 6,42                     | 25,21                    | 1,86   | 3,11   | 2,08   | 1,13            |
| 2063 | 16:34:48 | 0,43            | 0,36            | 0,85            | 6,50                     | 6,42                     | 25,21                    | 1,94   | 2,17   | 1,81   | 1,15            |
| 2064 | 16:34:53 | 0,40            | 0,31            | 0,93            | 6,50                     | 6,42                     | 25,21                    | 1,46   | 1,97   | 2,12   | 1,17            |
| 2065 | 16:34:58 | 0,29            | 0,26            | 0,94            | 6,50                     | 6,42                     | 25,21                    | 2,56   | 1,63   | 2,41   | 1,08            |
| 2066 | 16:35:03 | 0,25            | 0,26            | 1,27            | 6,50                     | 6,42                     | 25,21                    | 1,63   | 1,93   | 1,67   | 1,37            |
| 2067 | 16:35:08 | 0,36            | 0,36            | 1,00            | 6,50                     | 6,42                     | 25,21                    | 2,29   | 1,81   | 2,87   | 1,23            |
| 2068 | 16:35:13 | 0,28            | 0,26            | 0,66            | 6,50                     | 6,42                     | 25,21                    | 2,68   | 2,28   | 4,20   | 0,86            |
| 2069 | 16:35:18 | 0,31            | 0,28            | 0,93            | 6,50                     | 6,42                     | 25,21                    | 2,10   | 1,67   | 3,84   | 1,10            |
| 2070 | 16:35:23 | 0,34            | 0,34            | 1,38            | 6,50                     | 6,42                     | 25,21                    | 1,47   | 2,32   | 2,26   | 1,53            |
| 2071 | 16:35:28 | 0,41            | 0,34            | 1,34            | 6,50                     | 6,42                     | 25,21                    | 1,29   | 2,19   | 1,78   | 1,53            |
| 2072 | 16:35:33 | 0,37            | 0,36            | 1,23            | 6,50                     | 6,42                     | 25,21                    | 2,09   | 1,98   | 3,21   | 1,42            |
| 2073 | 16:35:38 | 0,37            | 0,30            | 1,41            | 6,50                     | 6,42                     | 25,21                    | 2,57   | 2,23   | 2,07   | 1,56            |
| 2074 | 16:35:43 | 0,63            | 0,58            | 1,57            | 6,50                     | 6,42                     | 25,21                    | 2,19   | 1,98   | 0,99   | 1,98            |
| 2075 | 16:35:48 | 0,48            | 0,34            | 0,98            | 6,50                     | 6,42                     | 25,22                    | 1,15   | 1,64   | 1,80   | 1,27            |
| 2076 | 16:35:53 | 0,53            | 0,50            | 1,81            | 6,50                     | 6,42                     | 25,22                    | 1,85   | 2,89   | 2,42   | 2,08            |
| 2077 | 16:35:58 | 0,39            | 0,34            | 1,33            | 6,50                     | 6,42                     | 25,22                    | 1,85   | 2,01   | 1,75   | 1,51            |
| 2078 | 16:36:03 | 0,43            | 0,36            | 1,71            | 6,51                     | 6,42                     | 25,22                    | 2,09   | 1,63   | 4,44   | 1,88            |
| 2079 | 16:36:08 | 0,48            | 0,38            | 3,05            | 6,51                     | 6,42                     | 25,23                    | 1,91   | 1,56   | 2,11   | 3,17            |
| 2080 | 16:36:13 | 0,49            | 0,37            | 2,30            | 6,51                     | 6,42                     | 25,24                    | 2,29   | 1,96   | 1,85   | 2,46            |
| 2081 | 16:36:18 | 0,39            | 0,37            | 1,62            | 6,51                     | 6,43                     | 25,24                    | 2,56   | 1,70   | 3,28   | 1,78            |
| 2082 | 16:36:23 | 0,39            | 0,33            | 1,45            | 6,51                     | 6,43                     | 25,24                    | 2,39   | 1,99   | 2,21   | 1,62            |
| 2083 | 16:36:28 | 0,33            | 0,31            | 1,80            | 6,51                     | 6,43                     | 25,25                    | 1,51   | 3,67   | 3,75   | 1,91            |
| 2084 | 16:36:33 | 0,36            | 0,40            | 1,80            | 6,51                     | 6,43                     | 25,25                    | 1,39   | 2,01   | 2,14   | 1,95            |
| 2085 | 16:36:38 | 0,34            | 0,37            | 1,34            | 6,51                     | 6,43                     | 25,25                    | 4,51   | 4,23   | 4,11   | 1,51            |
| 2086 | 16:36:43 | 0,42            | 0,37            | 1,39            | 6,51                     | 6,43                     | 25,25                    | 2,57   | 3,78   | 3,57   | 1,60            |
| 2087 | 16:36:48 | 0,44            | 0,36            | 1,31            | 6,51                     | 6,43                     | 25,25                    | 1,75   | 2,40   | 3,40   | 1,54            |
| 2088 | 16:36:53 | 0,37            | 0,34            | 1,72            | 6,51                     | 6,43                     | 25,25                    | 2,35   | 2,12   | 1,27   | 1,86            |
| 2089 | 16:36:58 | 0,31            | 0,33            | 1,75            | 6,51                     | 6,43                     | 25,26                    | 2,47   | 2,13   | 1,60   | 1,86            |
| 2090 | 16:37:03 | 0,30            | 0,33            | 1,62            | 6,51                     | 6,43                     | 25,26                    | 2,52   | 2,40   | 1,75   | 1,74            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2091 | 16:37:08 | 0,36            | 0,35            | 1,60            | 6,51                     | 6,43                     | 25,26                    | 1,57   | 2,38   | 1,06   | 1,75            |
| 2092 | 16:37:13 | 0,31            | 0,31            | 2,29            | 6,51                     | 6,43                     | 25,27                    | 2,33   | 2,71   | 2,63   | 2,37            |
| 2093 | 16:37:18 | 0,51            | 0,49            | 3,48            | 6,51                     | 6,43                     | 25,29                    | 1,72   | 1,49   | 2,10   | 3,62            |
| 2094 | 16:37:23 | 0,42            | 0,50            | 2,83            | 6,51                     | 6,43                     | 25,30                    | 2,32   | 1,31   | 1,93   | 2,98            |
| 2095 | 16:37:28 | 0,42            | 0,46            | 3,13            | 6,51                     | 6,43                     | 25,31                    | 1,99   | 1,98   | 2,09   | 3,25            |
| 2096 | 16:37:33 | 0,44            | 0,40            | 2,96            | 6,51                     | 6,43                     | 25,33                    | 2,37   | 3,15   | 2,20   | 3,07            |
| 2097 | 16:37:38 | 0,39            | 0,44            | 3,10            | 6,51                     | 6,43                     | 25,34                    | 2,80   | 2,44   | 2,08   | 3,21            |
| 2098 | 16:37:43 | 0,48            | 0,38            | 3,65            | 6,51                     | 6,43                     | 25,37                    | 1,96   | 2,02   | 1,86   | 3,75            |
| 2099 | 16:37:48 | 0,38            | 0,38            | 3,50            | 6,51                     | 6,43                     | 25,39                    | 1,78   | 2,14   | 2,20   | 3,58            |
| 2100 | 16:37:53 | 0,27            | 0,28            | 2,15            | 6,51                     | 6,43                     | 25,40                    | 1,02   | 1,76   | 0,77   | 2,21            |
| 2101 | 16:37:58 | 0,24            | 0,26            | 0,88            | 6,51                     | 6,43                     | 25,40                    | 2,26   | 1,49   | 2,41   | 1,01            |
| 2102 | 16:38:03 | 0,27            | 0,30            | 0,80            | 6,51                     | 6,43                     | 25,40                    | 2,56   | 2,39   | 2,31   | 0,98            |
| 2103 | 16:38:08 | 0,46            | 0,40            | 2,26            | 6,51                     | 6,43                     | 25,41                    | 1,69   | 1,89   | 2,03   | 2,42            |
| 2104 | 16:38:13 | 0,37            | 0,41            | 1,50            | 6,51                     | 6,43                     | 25,41                    | 1,40   | 1,12   | 1,87   | 1,69            |
| 2105 | 16:38:18 | 0,38            | 0,37            | 1,83            | 6,51                     | 6,43                     | 25,41                    | 2,67   | 2,28   | 2,63   | 1,98            |
| 2106 | 16:38:23 | 0,44            | 0,45            | 1,85            | 6,51                     | 6,43                     | 25,41                    | 2,17   | 2,34   | 1,12   | 2,05            |
| 2107 | 16:38:28 | 0,64            | 0,58            | 1,92            | 6,52                     | 6,43                     | 25,42                    | 4,56   | 3,22   | 6,40   | 2,27            |
| 2108 | 16:38:33 | 0,67            | 0,77            | 2,15            | 6,52                     | 6,44                     | 25,43                    | 1,62   | 1,45   | 1,46   | 2,58            |
| 2109 | 16:38:38 | 0,43            | 0,38            | 1,04            | 6,52                     | 6,44                     | 25,43                    | 1,95   | 3,07   | 3,19   | 1,31            |
| 2110 | 16:38:43 | 0,37            | 0,43            | 1,21            | 6,52                     | 6,44                     | 25,43                    | 2,41   | 1,69   | 1,99   | 1,45            |
| 2111 | 16:38:48 | 0,33            | 0,35            | 1,03            | 6,52                     | 6,44                     | 25,44                    | 1,64   | 1,98   | 2,17   | 1,23            |
| 2112 | 16:38:53 | 0,37            | 0,26            | 1,35            | 6,52                     | 6,44                     | 25,44                    | 3,25   | 2,78   | 3,13   | 1,49            |
| 2113 | 16:38:58 | 0,37            | 0,35            | 1,17            | 6,52                     | 6,44                     | 25,44                    | 1,39   | 1,25   | 1,50   | 1,37            |
| 2114 | 16:39:03 | 0,35            | 0,33            | 0,93            | 6,52                     | 6,44                     | 25,44                    | 2,67   | 2,34   | 2,86   | 1,15            |
| 2115 | 16:39:08 | 0,32            | 0,48            | 1,25            | 6,52                     | 6,45                     | 25,44                    | 2,13   | 0,93   | 2,65   | 1,49            |
| 2116 | 16:39:13 | 0,29            | 0,34            | 1,56            | 6,52                     | 6,45                     | 25,44                    | 1,46   | 1,34   | 1,82   | 1,68            |
| 2117 | 16:39:18 | 0,45            | 0,39            | 2,21            | 6,53                     | 6,45                     | 25,44                    | 2,04   | 2,22   | 2,63   | 2,36            |
| 2118 | 16:39:23 | 0,45            | 0,39            | 2,04            | 6,53                     | 6,45                     | 25,45                    | 2,23   | 2,17   | 2,11   | 2,20            |
| 2119 | 16:39:28 | 0,39            | 0,43            | 1,99            | 6,53                     | 6,45                     | 25,45                    | 2,87   | 1,90   | 2,27   | 2,15            |
| 2120 | 16:39:33 | 0,45            | 0,41            | 2,14            | 6,53                     | 6,45                     | 25,45                    | 1,99   | 2,20   | 1,88   | 2,30            |
| 2121 | 16:39:38 | 0,43            | 0,34            | 1,97            | 6,53                     | 6,45                     | 25,46                    | 1,90   | 1,88   | 2,44   | 2,11            |
| 2122 | 16:39:43 | 0,41            | 0,45            | 1,91            | 6,53                     | 6,45                     | 25,46                    | 2,03   | 1,78   | 1,53   | 2,09            |
| 2123 | 16:39:48 | 0,34            | 0,33            | 0,92            | 6,53                     | 6,45                     | 25,46                    | 1,99   | 1,48   | 1,64   | 1,13            |
| 2124 | 16:39:53 | 0,31            | 0,26            | 0,74            | 6,53                     | 6,45                     | 25,46                    | 1,81   | 1,82   | 1,92   | 0,93            |
| 2125 | 16:39:58 | 0,25            | 0,19            | 0,72            | 6,53                     | 6,45                     | 25,46                    | 1,73   | 1,72   | 2,37   | 0,85            |
| 2126 | 16:40:03 | 0,36            | 0,43            | 0,93            | 6,53                     | 6,45                     | 25,46                    | 2,47   | 2,36   | 2,65   | 1,22            |
| 2127 | 16:40:08 | 0,32            | 0,37            | 1,23            | 6,53                     | 6,45                     | 25,46                    | 3,58   | 1,53   | 3,62   | 1,41            |
| 2128 | 16:40:13 | 0,29            | 0,22            | 1,02            | 6,53                     | 6,45                     | 25,46                    | 2,55   | 1,89   | 1,88   | 1,14            |
| 2129 | 16:40:18 | 0,35            | 0,43            | 0,98            | 6,53                     | 6,45                     | 25,46                    | 2,14   | 1,82   | 2,10   | 1,25            |
| 2130 | 16:40:23 | 0,26            | 0,45            | 0,66            | 6,53                     | 6,45                     | 25,46                    | 1,92   | 2,26   | 2,97   | 0,98            |
| 2131 | 16:40:28 | 0,33            | 0,32            | 0,90            | 6,53                     | 6,45                     | 25,46                    | 2,78   | 1,54   | 2,65   | 1,10            |
| 2132 | 16:40:33 | 0,25            | 0,32            | 1,45            | 6,53                     | 6,45                     | 25,46                    | 2,03   | 1,31   | 2,06   | 1,56            |
| 2133 | 16:40:38 | 0,22            | 0,36            | 0,84            | 6,53                     | 6,45                     | 25,46                    | 3,72   | 2,70   | 2,21   | 1,03            |
| 2134 | 16:40:43 | 0,30            | 0,36            | 0,79            | 6,53                     | 6,45                     | 25,46                    | 1,91   | 2,49   | 3,22   | 1,03            |
| 2135 | 16:40:48 | 0,37            | 0,22            | 1,10            | 6,53                     | 6,45                     | 25,46                    | 1,55   | 2,79   | 2,79   | 1,25            |
| 2136 | 16:40:53 | 0,44            | 0,34            | 1,78            | 6,53                     | 6,45                     | 25,46                    | 2,10   | 2,65   | 1,25   | 1,94            |
| 2137 | 16:40:58 | 0,38            | 0,25            | 1,20            | 6,53                     | 6,45                     | 25,47                    | 2,33   | 2,66   | 1,51   | 1,36            |
| 2138 | 16:41:03 | 0,35            | 0,43            | 0,98            | 6,53                     | 6,46                     | 25,47                    | 2,40   | 1,44   | 1,40   | 1,25            |
| 2139 | 16:41:08 | 0,31            | 0,46            | 1,15            | 6,53                     | 6,46                     | 25,47                    | 2,50   | 2,00   | 2,11   | 1,39            |
| 2140 | 16:41:13 | 0,51            | 0,49            | 0,82            | 6,53                     | 6,46                     | 25,47                    | 2,72   | 1,23   | 1,63   | 1,28            |
| 2141 | 16:41:18 | 0,34            | 0,35            | 1,79            | 6,53                     | 6,46                     | 25,47                    | 1,83   | 1,97   | 1,33   | 1,91            |
| 2142 | 16:41:23 | 0,57            | 0,31            | 1,33            | 6,53                     | 6,46                     | 25,47                    | 4,46   | 2,49   | 4,99   | 1,61            |
| 2143 | 16:41:28 | 0,46            | 0,45            | 1,29            | 6,53                     | 6,46                     | 25,47                    | 0,70   | 1,27   | 0,58   | 1,58            |
| 2144 | 16:41:33 | 0,46            | 0,30            | 0,53            | 6,53                     | 6,46                     | 25,47                    | 2,31   | 1,54   | 2,54   | 0,94            |
| 2145 | 16:41:38 | 0,43            | 0,40            | 1,27            | 6,54                     | 6,46                     | 25,47                    | 1,37   | 2,86   | 3,05   | 1,51            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2146 | 16:41:43 | 0,30            | 0,34            | 0,82            | 6,54                     | 6,46                     | 25,47                    | 1,25   | 2,18   | 1,78   | 1,04            |
| 2147 | 16:41:48 | 0,43            | 0,38            | 2,54            | 6,54                     | 6,46                     | 25,48                    | 1,93   | 2,63   | 2,58   | 2,66            |
| 2148 | 16:41:53 | 0,36            | 0,37            | 2,47            | 6,54                     | 6,46                     | 25,49                    | 1,87   | 1,70   | 2,00   | 2,58            |
| 2149 | 16:41:58 | 0,42            | 0,35            | 2,79            | 6,54                     | 6,46                     | 25,49                    | 3,63   | 2,49   | 2,18   | 2,89            |
| 2150 | 16:42:03 | 0,42            | 0,52            | 2,80            | 6,54                     | 6,46                     | 25,50                    | 1,95   | 2,00   | 1,56   | 2,95            |
| 2151 | 16:42:08 | 0,32            | 0,32            | 1,20            | 6,54                     | 6,46                     | 25,50                    | 3,61   | 2,79   | 3,61   | 1,36            |
| 2152 | 16:42:13 | 0,33            | 0,36            | 1,07            | 6,54                     | 6,46                     | 25,50                    | 2,44   | 1,96   | 3,78   | 1,27            |
| 2153 | 16:42:18 | 0,31            | 0,34            | 1,54            | 6,54                     | 6,46                     | 25,50                    | 2,57   | 3,02   | 1,31   | 1,67            |
| 2154 | 16:42:23 | 0,32            | 0,36            | 2,20            | 6,54                     | 6,46                     | 25,51                    | 2,43   | 2,10   | 2,08   | 2,30            |
| 2155 | 16:42:28 | 0,28            | 0,36            | 1,07            | 6,54                     | 6,46                     | 25,51                    | 2,22   | 2,06   | 2,31   | 1,25            |
| 2156 | 16:42:33 | 0,33            | 0,47            | 0,92            | 6,54                     | 6,46                     | 25,51                    | 1,82   | 2,63   | 2,01   | 1,22            |
| 2157 | 16:42:38 | 0,30            | 0,32            | 0,87            | 6,54                     | 6,46                     | 25,51                    | 3,28   | 2,89   | 3,32   | 1,06            |
| 2158 | 16:42:43 | 0,78            | 0,65            | 2,11            | 6,55                     | 6,47                     | 25,52                    | 0,35   | 0,40   | 0,55   | 2,54            |
| 2159 | 16:42:48 | 0,56            | 0,21            | 2,82            | 6,55                     | 6,47                     | 25,54                    | 3,27   | 3,63   | 4,98   | 2,94            |
| 2160 | 16:42:53 | 0,62            | 0,27            | 2,69            | 6,56                     | 6,47                     | 25,60                    | 0,76   | 0,54   | 0,47   | 2,85            |
| 2161 | 16:42:58 | 0,16            | 0,07            | 0,27            | 6,56                     | 6,47                     | 25,60                    | 0,93   | 2,96   | 3,98   | 0,36            |
| 2162 | 16:43:03 | 0,71            | 0,36            | 4,55            | 6,56                     | 6,47                     | 25,82                    | 0,33   | 0,58   | 0,09   | 4,68            |
| 2163 | 16:43:08 | 0,02            | 0,03            | 0,19            | 6,56                     | 6,47                     | 25,82                    | 1,78   | 1,33   | 1,85   | 0,20            |
| 2164 | 16:43:14 | 0,01            | 0,01            | 0,21            | 6,56                     | 6,47                     | 25,82                    | 3,23   | 2,63   | 1,72   | 0,22            |
| 2165 | 16:43:19 | 0,28            | 0,24            | 1,31            | 6,56                     | 6,47                     | 25,83                    | 5,79   | 4,08   | 1,62   | 1,40            |
| 2166 | 16:43:24 | 0,49            | 0,41            | 1,57            | 6,56                     | 6,47                     | 25,83                    | 0,93   | 1,44   | 1,08   | 1,81            |
| 2167 | 16:43:29 | 0,75            | 0,41            | 2,08            | 6,57                     | 6,47                     | 25,84                    | 2,70   | 2,82   | 3,97   | 2,40            |
| 2168 | 16:43:34 | 0,27            | 0,23            | 0,66            | 6,57                     | 6,47                     | 25,84                    | 1,73   | 2,12   | 1,46   | 0,83            |
| 2169 | 16:43:39 | 0,26            | 0,25            | 0,62            | 6,57                     | 6,47                     | 25,84                    | 1,42   | 1,98   | 2,60   | 0,80            |
| 2170 | 16:43:44 | 0,25            | 0,23            | 0,51            | 6,57                     | 6,47                     | 25,84                    | 2,30   | 2,12   | 1,63   | 0,70            |
| 2171 | 16:43:49 | 0,24            | 0,27            | 0,66            | 6,57                     | 6,47                     | 25,84                    | 2,23   | 2,38   | 2,02   | 0,83            |
| 2172 | 16:43:54 | 0,28            | 0,36            | 0,65            | 6,57                     | 6,47                     | 25,84                    | 2,18   | 1,41   | 2,25   | 0,91            |
| 2173 | 16:43:59 | 0,24            | 0,26            | 0,79            | 6,57                     | 6,47                     | 25,84                    | 2,00   | 2,02   | 3,14   | 0,94            |
| 2174 | 16:44:04 | 0,24            | 0,21            | 1,02            | 6,57                     | 6,47                     | 25,84                    | 2,31   | 2,61   | 2,83   | 1,12            |
| 2175 | 16:44:09 | 0,23            | 0,24            | 0,79            | 6,57                     | 6,47                     | 25,84                    | 2,43   | 1,76   | 3,08   | 0,92            |
| 2176 | 16:44:14 | 0,25            | 0,34            | 0,73            | 6,57                     | 6,47                     | 25,84                    | 2,63   | 2,64   | 1,26   | 0,94            |
| 2177 | 16:44:19 | 0,26            | 0,25            | 0,62            | 6,57                     | 6,47                     | 25,84                    | 2,46   | 3,04   | 1,73   | 0,80            |
| 2178 | 16:44:24 | 0,22            | 0,31            | 0,64            | 6,57                     | 6,47                     | 25,84                    | 3,11   | 2,20   | 2,16   | 0,83            |
| 2179 | 16:44:29 | 0,25            | 0,35            | 1,12            | 6,57                     | 6,47                     | 25,84                    | 2,71   | 1,45   | 3,01   | 1,27            |
| 2180 | 16:44:34 | 0,25            | 0,27            | 1,38            | 6,57                     | 6,47                     | 25,84                    | 2,74   | 1,63   | 2,81   | 1,47            |
| 2181 | 16:44:39 | 0,22            | 0,23            | 1,32            | 6,57                     | 6,47                     | 25,84                    | 2,60   | 2,35   | 1,37   | 1,39            |
| 2182 | 16:44:44 | 0,29            | 0,38            | 0,67            | 6,57                     | 6,47                     | 25,84                    | 2,36   | 1,50   | 2,20   | 0,95            |
| 2183 | 16:44:49 | 0,28            | 0,38            | 0,66            | 6,57                     | 6,47                     | 25,84                    | 1,33   | 0,96   | 1,72   | 0,93            |
| 2184 | 16:44:54 | 0,25            | 0,29            | 0,48            | 6,57                     | 6,47                     | 25,84                    | 2,90   | 2,54   | 2,53   | 0,72            |
| 2185 | 16:44:59 | 0,30            | 0,52            | 0,61            | 6,57                     | 6,47                     | 25,84                    | 2,63   | 2,76   | 4,77   | 1,05            |
| 2186 | 16:45:04 | 0,46            | 0,73            | 0,63            | 6,57                     | 6,48                     | 25,84                    | 3,17   | 1,70   | 2,20   | 1,36            |
| 2187 | 16:45:09 | 0,72            | 0,53            | 0,75            | 6,57                     | 6,48                     | 25,84                    | 1,94   | 2,46   | 4,08   | 1,46            |
| 2188 | 16:45:14 | 0,37            | 0,33            | 0,67            | 6,57                     | 6,48                     | 25,84                    | 1,60   | 1,28   | 1,73   | 0,96            |
| 2189 | 16:45:19 | 0,20            | 0,29            | 0,59            | 6,57                     | 6,48                     | 25,84                    | 1,36   | 2,08   | 1,81   | 0,77            |
| 2190 | 16:45:24 | 0,79            | 0,73            | 2,58            | 6,58                     | 6,48                     | 25,85                    | 1,62   | 1,60   | 3,02   | 2,99            |
| 2191 | 16:45:29 | 0,28            | 0,37            | 0,86            | 6,58                     | 6,48                     | 25,85                    | 1,68   | 2,84   | 1,81   | 1,08            |
| 2192 | 16:45:34 | 0,42            | 0,52            | 0,79            | 6,58                     | 6,48                     | 25,85                    | 2,36   | 1,78   | 2,78   | 1,23            |
| 2193 | 16:45:39 | 0,58            | 0,45            | 0,90            | 6,58                     | 6,48                     | 25,85                    | 1,40   | 2,50   | 2,42   | 1,37            |
| 2194 | 16:45:44 | 0,29            | 0,39            | 0,81            | 6,58                     | 6,48                     | 25,85                    | 2,10   | 1,41   | 2,29   | 1,05            |
| 2195 | 16:45:49 | 0,25            | 0,23            | 0,70            | 6,58                     | 6,48                     | 25,85                    | 1,40   | 1,65   | 2,36   | 0,85            |
| 2196 | 16:45:54 | 0,39            | 0,38            | 0,86            | 6,58                     | 6,48                     | 25,85                    | 4,92   | 2,73   | 6,46   | 1,15            |
| 2197 | 16:45:59 | 0,46            | 0,28            | 1,35            | 6,58                     | 6,48                     | 25,85                    | 1,11   | 1,71   | 1,67   | 1,55            |
| 2198 | 16:46:04 | 0,29            | 0,49            | 0,80            | 6,58                     | 6,48                     | 25,85                    | 2,71   | 2,07   | 3,17   | 1,13            |
| 2199 | 16:46:09 | 0,39            | 0,31            | 1,04            | 6,58                     | 6,48                     | 25,85                    | 1,63   | 1,35   | 3,32   | 1,26            |
| 2200 | 16:46:14 | 0,27            | 0,33            | 1,10            | 6,58                     | 6,48                     | 25,85                    | 2,57   | 2,17   | 1,61   | 1,25            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2201 | 16:46:19 | 0,29            | 0,32            | 0,71            | 6,58                     | 6,48                     | 25,85                    | 2,16   | 2,34   | 2,28   | 0,93            |
| 2202 | 16:46:24 | 0,24            | 0,27            | 1,58            | 6,58                     | 6,48                     | 25,86                    | 2,70   | 2,67   | 1,35   | 1,66            |
| 2203 | 16:46:29 | 0,26            | 0,27            | 2,37            | 6,58                     | 6,48                     | 25,86                    | 1,96   | 2,54   | 1,18   | 2,42            |
| 2204 | 16:46:34 | 0,29            | 0,29            | 2,09            | 6,58                     | 6,48                     | 25,86                    | 2,13   | 3,38   | 2,43   | 2,17            |
| 2205 | 16:46:39 | 0,33            | 0,34            | 3,11            | 6,58                     | 6,48                     | 25,88                    | 1,81   | 1,51   | 1,77   | 3,18            |
| 2206 | 16:46:44 | 0,40            | 0,41            | 2,16            | 6,58                     | 6,49                     | 25,88                    | 1,59   | 2,27   | 1,67   | 2,30            |
| 2207 | 16:46:49 | 0,36            | 0,38            | 2,01            | 6,58                     | 6,49                     | 25,89                    | 1,89   | 2,62   | 2,08   | 2,14            |
| 2208 | 16:46:54 | 0,33            | 0,31            | 1,90            | 6,58                     | 6,49                     | 25,89                    | 3,29   | 1,98   | 2,52   | 2,00            |
| 2209 | 16:46:59 | 0,34            | 0,32            | 1,91            | 6,58                     | 6,49                     | 25,89                    | 1,50   | 1,70   | 1,21   | 2,02            |
| 2210 | 16:47:04 | 0,31            | 0,38            | 1,42            | 6,58                     | 6,49                     | 25,89                    | 1,69   | 1,78   | 1,28   | 1,58            |
| 2211 | 16:47:09 | 0,47            | 0,47            | 1,53            | 6,58                     | 6,49                     | 25,89                    | 1,49   | 2,24   | 1,45   | 1,79            |
| 2212 | 16:47:14 | 0,32            | 0,29            | 1,02            | 6,58                     | 6,49                     | 25,89                    | 1,39   | 2,09   | 3,35   | 1,19            |
| 2213 | 16:47:19 | 0,23            | 0,30            | 0,92            | 6,59                     | 6,49                     | 25,89                    | 4,24   | 2,27   | 2,97   | 1,06            |
| 2214 | 16:47:24 | 0,27            | 0,34            | 0,90            | 6,59                     | 6,49                     | 25,89                    | 2,61   | 2,18   | 2,08   | 1,09            |
| 2215 | 16:47:29 | 0,33            | 0,28            | 1,21            | 6,59                     | 6,49                     | 25,90                    | 1,93   | 1,56   | 2,16   | 1,35            |
| 2216 | 16:47:34 | 0,34            | 0,33            | 1,56            | 6,59                     | 6,49                     | 25,90                    | 2,16   | 2,09   | 2,28   | 1,70            |
| 2217 | 16:47:39 | 0,36            | 0,25            | 1,35            | 6,59                     | 6,49                     | 25,90                    | 2,41   | 1,97   | 2,01   | 1,49            |
| 2218 | 16:47:44 | 0,34            | 0,36            | 1,16            | 6,59                     | 6,49                     | 25,90                    | 2,58   | 2,28   | 3,37   | 1,35            |
| 2219 | 16:47:49 | 0,37            | 0,55            | 1,39            | 6,59                     | 6,49                     | 25,90                    | 2,55   | 1,80   | 1,43   | 1,67            |
| 2220 | 16:47:54 | 0,40            | 0,44            | 0,79            | 6,59                     | 6,49                     | 25,90                    | 2,45   | 2,41   | 1,70   | 1,15            |
| 2221 | 16:47:59 | 0,59            | 0,40            | 0,85            | 6,59                     | 6,49                     | 25,90                    | 2,39   | 2,20   | 1,31   | 1,31            |
| 2222 | 16:48:04 | 0,27            | 0,19            | 0,82            | 6,59                     | 6,49                     | 25,90                    | 0,32   | 0,63   | 0,99   | 0,94            |
| 2223 | 16:48:09 | 0,23            | 0,19            | 0,51            | 6,59                     | 6,49                     | 25,90                    | 3,05   | 3,59   | 2,95   | 0,66            |
| 2224 | 16:48:14 | 0,49            | 0,45            | 1,08            | 6,59                     | 6,49                     | 25,90                    | 0,63   | 1,10   | 0,41   | 1,43            |
| 2225 | 16:48:19 | 0,16            | 0,21            | 0,30            | 6,59                     | 6,49                     | 25,90                    | 1,12   | 1,68   | 0,99   | 0,47            |
| 2226 | 16:48:24 | 0,41            | 0,69            | 2,39            | 6,59                     | 6,56                     | 26,00                    | 1,88   | 0,96   | 2,56   | 2,64            |
| 2227 | 16:48:29 | 1,84            | 2,39            | 2,10            | 6,71                     | 6,87                     | 26,01                    | 0,55   | 1,33   | 1,49   | 4,72            |
| 2228 | 16:48:34 | 0,31            | 0,53            | 1,25            | 6,71                     | 6,87                     | 26,01                    | 3,78   | 1,69   | 2,24   | 1,52            |
| 2229 | 16:48:39 | 1,92            | 1,49            | 2,63            | 6,81                     | 6,94                     | 26,02                    | 0,92   | 1,44   | 0,59   | 4,30            |
| 2230 | 16:48:44 | 1,58            | 0,85            | 1,70            | 6,97                     | 6,94                     | 26,03                    | 0,46   | 1,61   | 0,88   | 3,04            |
| 2231 | 16:48:49 | 3,18            | 1,36            | 1,48            | 7,75                     | 6,98                     | 26,03                    | 2,21   | 2,28   | 3,77   | 5,06            |
| 2232 | 16:48:54 | 2,84            | 2,50            | 1,47            | 7,98                     | 7,52                     | 26,03                    | 1,20   | 1,88   | 2,49   | 5,50            |
| 2233 | 16:48:59 | 2,29            | 1,59            | 2,78            | 8,10                     | 7,63                     | 26,05                    | 2,07   | 2,59   | 2,01   | 4,79            |
| 2234 | 16:49:04 | 1,21            | 1,23            | 1,60            | 8,12                     | 7,66                     | 26,05                    | 2,06   | 1,72   | 2,60   | 2,90            |
| 2235 | 16:49:09 | 2,09            | 1,11            | 1,57            | 8,35                     | 7,67                     | 26,05                    | 0,39   | 0,78   | 0,89   | 3,67            |
| 2236 | 16:49:14 | 1,06            | 1,52            | 1,71            | 8,36                     | 7,74                     | 26,06                    | 2,80   | 1,93   | 5,13   | 3,11            |
| 2237 | 16:49:19 | 2,64            | 1,34            | 3,94            | 8,80                     | 7,77                     | 26,10                    | 3,19   | 3,04   | 2,88   | 5,72            |
| 2238 | 16:49:24 | 1,34            | 1,53            | 1,54            | 8,82                     | 7,81                     | 26,10                    | 0,54   | 0,31   | 0,79   | 3,24            |
| 2239 | 16:49:29 | 0,57            | 0,67            | 1,32            | 8,82                     | 7,81                     | 26,11                    | 0,63   | 0,57   | 1,13   | 1,80            |
| 2240 | 16:49:34 | 0,43            | 0,41            | 1,71            | 8,82                     | 7,81                     | 26,11                    | 2,40   | 2,13   | 1,82   | 1,89            |
| 2241 | 16:49:39 | 0,53            | 0,85            | 1,13            | 8,82                     | 7,81                     | 26,11                    | 1,62   | 3,38   | 3,87   | 1,80            |
| 2242 | 16:49:44 | 0,61            | 0,45            | 1,39            | 8,83                     | 7,81                     | 26,11                    | 1,75   | 1,23   | 2,09   | 1,75            |
| 2243 | 16:49:49 | 0,81            | 0,74            | 1,49            | 8,83                     | 7,82                     | 26,11                    | 1,64   | 3,02   | 1,41   | 2,14            |
| 2244 | 16:49:54 | 0,53            | 0,38            | 0,73            | 8,83                     | 7,82                     | 26,11                    | 2,27   | 1,94   | 1,68   | 1,17            |
| 2245 | 16:49:59 | 0,47            | 0,44            | 0,50            | 8,83                     | 7,82                     | 26,11                    | 2,10   | 1,60   | 1,59   | 1,03            |
| 2246 | 16:50:04 | 0,34            | 0,22            | 0,23            | 8,83                     | 7,82                     | 26,11                    | 0,23   | 0,33   | 0,78   | 0,62            |
| 2247 | 16:50:09 | 0,04            | 0,05            | 0,09            | 8,83                     | 7,82                     | 26,11                    | 1,46   | 2,18   | 2,16   | 0,12            |
| 2248 | 16:50:14 | 0,02            | 0,03            | 0,06            | 8,83                     | 7,82                     | 26,11                    | 1,17   | 0,83   | 2,22   | 0,09            |
| 2249 | 16:50:19 | 0,06            | 0,05            | 0,10            | 8,83                     | 7,82                     | 26,11                    | 3,74   | 4,35   | 4,71   | 0,15            |
| 2250 | 16:50:24 | 0,70            | 1,12            | 0,84            | 8,83                     | 7,84                     | 26,11                    | 1,98   | 1,72   | 2,50   | 2,03            |
| 2251 | 16:50:29 | 0,48            | 0,51            | 0,54            | 8,83                     | 7,85                     | 26,11                    | 1,20   | 0,82   | 1,93   | 1,12            |
| 2252 | 16:50:34 | 0,38            | 0,27            | 0,51            | 8,83                     | 7,85                     | 26,11                    | 0,65   | 1,24   | 1,79   | 0,83            |
| 2253 | 16:50:39 | 0,23            | 0,23            | 0,39            | 8,83                     | 7,85                     | 26,11                    | 1,81   | 1,42   | 2,41   | 0,60            |
| 2254 | 16:50:44 | 0,21            | 0,23            | 0,46            | 8,83                     | 7,85                     | 26,11                    | 3,01   | 1,94   | 2,82   | 0,63            |
| 2255 | 16:50:49 | 0,36            | 0,23            | 0,51            | 8,83                     | 7,85                     | 26,11                    | 0,75   | 0,91   | 1,02   | 0,78            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx}[m/s^2]$ | $a_{wy}[m/s^2]$ | $a_{wz}[m/s^2]$ | $VDV_{j(x)}[m/s^{1,75}]$ | $VDV_{j(y)}[m/s^{1,75}]$ | $VDV_{j(z)}[m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{mz}[m/s^2]$ |
|------|----------|-----------------|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------|--------|--------|-----------------|
| 2256 | 16:50:54 | 0,27            | 0,24            | 0,70            | 8,83                     | 7,85                     | 26,11                    | 1,79   | 2,03   | 2,24   | 0,86            |
| 2257 | 16:50:59 | 0,27            | 0,27            | 0,56            | 8,83                     | 7,85                     | 26,11                    | 1,24   | 1,97   | 1,47   | 0,77            |
| 2258 | 16:51:04 | 0,30            | 0,21            | 0,53            | 8,83                     | 7,85                     | 26,11                    | 1,21   | 3,02   | 2,77   | 0,73            |
| 2259 | 16:51:09 | 0,17            | 0,25            | 0,56            | 8,83                     | 7,85                     | 26,11                    | 2,69   | 1,63   | 1,74   | 0,71            |
| 2260 | 16:51:14 | 0,23            | 0,24            | 0,54            | 8,83                     | 7,85                     | 26,11                    | 2,87   | 1,81   | 2,59   | 0,71            |
| 2261 | 16:51:19 | 0,24            | 0,23            | 0,51            | 8,83                     | 7,85                     | 26,11                    | 1,76   | 1,73   | 3,18   | 0,68            |
| 2262 | 16:51:24 | 0,28            | 0,21            | 0,55            | 8,83                     | 7,85                     | 26,11                    | 1,91   | 1,80   | 2,16   | 0,74            |
| 2263 | 16:51:29 | 0,34            | 0,22            | 0,51            | 8,83                     | 7,85                     | 26,11                    | 1,15   | 1,55   | 1,71   | 0,77            |
| 2264 | 16:51:34 | 0,27            | 0,28            | 0,55            | 8,83                     | 7,85                     | 26,11                    | 2,41   | 2,06   | 2,80   | 0,77            |
| 2265 | 16:51:39 | 0,23            | 0,34            | 0,52            | 8,83                     | 7,85                     | 26,11                    | 1,85   | 0,89   | 1,88   | 0,78            |
| 2266 | 16:51:44 | 0,37            | 0,28            | 0,65            | 8,83                     | 7,85                     | 26,11                    | 1,72   | 1,93   | 2,12   | 0,92            |
| 2267 | 16:51:49 | 0,35            | 0,27            | 0,62            | 8,83                     | 7,85                     | 26,11                    | 2,30   | 2,65   | 3,98   | 0,87            |
| 2268 | 16:51:54 | 0,42            | 0,34            | 0,77            | 8,83                     | 7,85                     | 26,11                    | 2,60   | 2,57   | 3,55   | 1,08            |
| 2269 | 16:51:59 | 0,37            | 0,30            | 0,79            | 8,83                     | 7,85                     | 26,11                    | 2,99   | 2,65   | 3,16   | 1,03            |
| 2270 | 16:52:04 | 0,35            | 0,24            | 0,62            | 8,83                     | 7,85                     | 26,11                    | 1,02   | 2,85   | 1,55   | 0,86            |
| 2271 | 16:52:09 | 0,35            | 0,32            | 0,56            | 8,83                     | 7,85                     | 26,11                    | 1,78   | 2,81   | 1,95   | 0,87            |
| 2272 | 16:52:14 | 0,26            | 0,30            | 0,54            | 8,83                     | 7,85                     | 26,11                    | 1,74   | 0,98   | 1,69   | 0,78            |
| 2273 | 16:52:19 | 0,48            | 0,37            | 0,69            | 8,83                     | 7,85                     | 26,11                    | 2,11   | 2,17   | 3,08   | 1,10            |
| 2274 | 16:52:24 | 0,47            | 0,39            | 0,71            | 8,83                     | 7,85                     | 26,11                    | 2,62   | 2,53   | 2,37   | 1,11            |
| 2275 | 16:52:29 | 0,33            | 0,32            | 0,67            | 8,83                     | 7,85                     | 26,11                    | 1,39   | 1,17   | 2,32   | 0,93            |
| 2276 | 16:52:34 | 0,30            | 0,29            | 0,51            | 8,83                     | 7,85                     | 26,11                    | 2,52   | 1,14   | 4,48   | 0,78            |
| 2277 | 16:52:39 | 0,35            | 0,29            | 0,66            | 8,83                     | 7,85                     | 26,11                    | 0,74   | 0,77   | 1,21   | 0,92            |
| 2278 | 16:52:44 | 0,55            | 0,79            | 1,08            | 8,84                     | 7,85                     | 26,11                    | 2,35   | 3,26   | 4,13   | 1,73            |
| 2279 | 16:52:49 | 0,30            | 0,69            | 1,45            | 8,84                     | 7,86                     | 26,12                    | 1,25   | 0,51   | 1,17   | 1,80            |
| 2280 | 16:52:54 | 0,45            | 0,29            | 0,77            | 8,84                     | 7,86                     | 26,12                    | 0,74   | 1,19   | 0,96   | 1,07            |
| 2281 | 16:52:59 | 0,15            | 0,13            | 0,78            | 8,84                     | 7,86                     | 26,12                    | 1,31   | 1,80   | 3,63   | 0,83            |
| 2282 | 16:53:04 | 0,19            | 0,20            | 0,73            | 8,84                     | 7,86                     | 26,12                    | 1,42   | 1,35   | 1,23   | 0,82            |
| 2283 | 16:53:09 | 0,51            | 0,40            | 0,91            | 8,84                     | 7,86                     | 26,12                    | 2,02   | 2,09   | 4,23   | 1,28            |
| 2284 | 16:53:14 | 0,46            | 0,26            | 1,31            | 8,84                     | 7,86                     | 26,12                    | 3,28   | 3,07   | 2,57   | 1,50            |
| 2285 | 16:53:19 | 0,28            | 0,19            | 0,81            | 8,84                     | 7,86                     | 26,12                    | 1,19   | 2,45   | 3,27   | 0,94            |
| 2286 | 16:53:24 | 0,27            | 0,18            | 0,82            | 8,84                     | 7,86                     | 26,12                    | 3,73   | 3,02   | 1,47   | 0,93            |
| 2287 | 16:53:29 | 0,22            | 0,15            | 0,89            | 8,84                     | 7,86                     | 26,12                    | 1,14   | 2,10   | 2,90   | 0,97            |
| 2288 | 16:53:34 | 0,18            | 0,14            | 0,79            | 8,84                     | 7,86                     | 26,12                    | 1,64   | 2,56   | 1,55   | 0,86            |
| 2289 | 16:53:39 | 0,16            | 0,12            | 0,73            | 8,84                     | 7,86                     | 26,12                    | 2,97   | 1,78   | 2,65   | 0,78            |
| 2290 | 16:53:44 | 0,21            | 0,20            | 0,68            | 8,84                     | 7,86                     | 26,12                    | 1,30   | 2,03   | 4,83   | 0,80            |
| 2291 | 16:53:49 | 0,19            | 0,17            | 0,84            | 8,84                     | 7,86                     | 26,12                    | 2,37   | 1,61   | 2,53   | 0,92            |
| 2292 | 16:53:54 | 0,45            | 0,57            | 1,04            | 8,84                     | 7,86                     | 26,12                    | 0,74   | 0,42   | 1,08   | 1,46            |
| 2293 | 16:53:59 | 0,21            | 0,11            | 0,86            | 8,84                     | 7,86                     | 26,12                    | 2,25   | 2,32   | 1,48   | 0,92            |
| 2294 | 16:54:04 | 0,32            | 0,18            | 1,02            | 8,84                     | 7,86                     | 26,12                    | 3,31   | 2,52   | 3,46   | 1,14            |
| 2295 | 16:54:09 | 0,23            | 0,18            | 0,63            | 8,84                     | 7,86                     | 26,12                    | 1,77   | 1,01   | 2,31   | 0,75            |
| 2296 | 16:54:14 | 0,18            | 0,19            | 0,84            | 8,84                     | 7,86                     | 26,12                    | 2,77   | 3,68   | 2,78   | 0,91            |
| 2297 | 16:54:19 | 0,14            | 0,17            | 0,66            | 8,84                     | 7,86                     | 26,12                    | 1,62   | 1,80   | 1,45   | 0,73            |
| 2298 | 16:54:24 | 0,37            | 0,27            | 0,83            | 8,84                     | 7,86                     | 26,12                    | 5,46   | 4,26   | 6,72   | 1,05            |
| 2299 | 16:54:29 | 0,36            | 0,33            | 0,66            | 8,84                     | 7,86                     | 26,12                    | 2,93   | 1,70   | 1,45   | 0,95            |
| 2300 | 16:54:34 | 0,35            | 0,24            | 0,67            | 8,84                     | 7,86                     | 26,12                    | 2,84   | 3,59   | 2,42   | 0,89            |
| 2301 | 16:54:39 | 0,55            | 0,49            | 0,75            | 8,84                     | 7,86                     | 26,12                    | 0,47   | 0,87   | 2,23   | 1,27            |
| 2302 | 16:54:44 | 0,34            | 0,18            | 0,70            | 8,84                     | 7,86                     | 26,12                    | 1,45   | 1,83   | 2,13   | 0,88            |
| 2303 | 16:54:49 | 0,20            | 0,16            | 0,57            | 8,84                     | 7,86                     | 26,12                    | 1,14   | 1,77   | 1,83   | 0,67            |
| 2304 | 16:54:54 | 0,21            | 0,21            | 0,42            | 8,84                     | 7,86                     | 26,12                    | 3,79   | 2,05   | 3,95   | 0,59            |
| 2305 | 16:54:59 | 0,25            | 0,26            | 0,49            | 8,84                     | 7,86                     | 26,12                    | 1,03   | 0,87   | 1,56   | 0,70            |
| 2306 | 16:55:04 | 0,26            | 0,43            | 0,70            | 8,84                     | 7,86                     | 26,12                    | 2,76   | 0,98   | 2,75   | 0,99            |
| 2307 | 16:55:09 | 0,37            | 0,24            | 0,47            | 8,84                     | 7,86                     | 26,12                    | 3,45   | 1,65   | 1,64   | 0,78            |
| 2308 | 16:55:14 | 0,22            | 0,24            | 0,65            | 8,84                     | 7,86                     | 26,12                    | 1,80   | 3,90   | 5,15   | 0,79            |
| 2309 | 16:55:19 | 0,86            | 2,17            | 2,01            | 8,85                     | 7,99                     | 26,13                    | 2,42   | 1,66   | 2,29   | 3,84            |
| 2310 | 16:55:24 | 1,65            | 3,03            | 1,93            | 8,92                     | 8,21                     | 26,14                    | 1,94   | 1,28   | 1,26   | 5,20            |

Análise de exposição à vibração @ VIBRATE SN: 017121007

| Ind  | D/H      | $a_{wx} [m/s^2]$ | $a_{wy} [m/s^2]$ | $a_{wz} [m/s^2]$ | $VDV_{j(x)} [m/s^{1,75}]$ | $VDV_{j(y)} [m/s^{1,75}]$ | $VDV_{j(z)} [m/s^{1,75}]$ | $FC_x$ | $FC_y$ | $FC_z$ | $a_{me} [m/s^2]$ |
|------|----------|------------------|------------------|------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|------------------|
| 2311 | 16:55:29 | 2,16             | 2,24             | 1,03             | 9,08                      | 8,33                      | 26,14                     | 1,44   | 1,45   | 0,79   | 4,48             |
| 2312 | 16:55:34 | 1,24             | 1,19             | 0,83             | 9,09                      | 8,35                      | 26,14                     | 1,22   | 1,99   | 2,50   | 2,54             |
| 2313 | 16:55:39 | 1,14             | 0,67             | 1,10             | 9,11                      | 8,35                      | 26,15                     | 0,07   | 0,10   | 0,04   | 2,15             |
| 2314 | 16:55:44 | 0,02             | 0,01             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 0,73   | 0,83   | 2,51   | 0,03             |
| 2315 | 16:55:49 | 0,61             | 0,39             | 0,49             | 9,11                      | 8,35                      | 26,15                     | 2,85   | 3,05   | 3,61   | 1,12             |
| 2316 | 16:55:54 | 0,51             | 0,24             | 0,12             | 9,11                      | 8,35                      | 26,15                     | 0,67   | 1,03   | 1,46   | 0,79             |
| 2317 | 16:55:59 | 0,78             | 0,32             | 0,50             | 9,11                      | 8,35                      | 26,15                     | 3,17   | 2,70   | 4,63   | 1,28             |
| 2318 | 16:56:04 | 0,33             | 0,11             | 0,27             | 9,11                      | 8,35                      | 26,15                     | 0,03   | 0,11   | 0,31   | 0,56             |
| 2319 | 16:56:09 | 0,01             | 0,00             | 0,13             | 9,11                      | 8,35                      | 26,15                     | 1,63   | 2,02   | 1,17   | 0,13             |
| 2320 | 16:56:14 | 0,01             | 0,00             | 0,04             | 9,11                      | 8,35                      | 26,15                     | 2,29   | 2,91   | 1,12   | 0,05             |
| 2321 | 16:56:19 | 0,00             | 0,01             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 2,00   | 1,74   | 4,64   | 0,02             |
| 2322 | 16:56:24 | 0,00             | 0,00             | 0,03             | 9,11                      | 8,35                      | 26,15                     | 3,06   | 2,43   | 6,62   | 0,03             |
| 2323 | 16:56:29 | 0,00             | 0,00             | 0,03             | 9,11                      | 8,35                      | 26,15                     | 2,98   | 3,30   | 1,86   | 0,03             |
| 2324 | 16:56:34 | 0,01             | 0,00             | 0,17             | 9,11                      | 8,35                      | 26,15                     | 4,15   | 3,86   | 8,77   | 0,17             |
| 2325 | 16:56:39 | 0,00             | 0,01             | 0,04             | 9,11                      | 8,35                      | 26,15                     | 2,36   | 2,30   | 1,35   | 0,04             |
| 2326 | 16:56:44 | 0,00             | 0,00             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 1,73   | 1,31   | 2,44   | 0,02             |
| 2327 | 16:56:49 | 0,00             | 0,00             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 2,33   | 1,80   | 2,48   | 0,02             |
| 2328 | 16:56:54 | 0,01             | 0,00             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 1,46   | 2,64   | 2,19   | 0,02             |
| 2329 | 16:56:59 | 0,00             | 0,00             | 0,04             | 9,11                      | 8,35                      | 26,15                     | 2,40   | 2,81   | 1,16   | 0,04             |
| 2330 | 16:57:04 | 0,00             | 0,00             | 0,04             | 9,11                      | 8,35                      | 26,15                     | 1,83   | 1,91   | 1,17   | 0,05             |
| 2331 | 16:57:09 | 0,00             | 0,00             | 0,12             | 9,11                      | 8,35                      | 26,15                     | 2,52   | 2,18   | 0,34   | 0,12             |
| 2332 | 16:57:14 | 0,01             | 0,01             | 0,03             | 9,11                      | 8,35                      | 26,15                     | 11,57  | 11,35  | 10,20  | 0,03             |
| 2333 | 16:57:19 | 0,00             | 0,00             | 0,02             | 9,11                      | 8,35                      | 26,15                     | 2,42   | 4,04   | 3,27   | 0,02             |

## Certificado de Calibração

**Número do certificado:**  
CRS0172/2025

Data da calibração: 21/01/2025

Data da emissão do certificado: 22/01/2025

### DADOS DO CLIENTE:

**Nome:** THAIS LUANA GRZEGOZESKI

**Endereço:** R. 22 DE ABRIL, 520 - 85960-158 - MARECHAL CANDIDO RONDON/PR, BRASIL.

### IDENTIFICAÇÃO DO INSTRUMENTO SOB TESTE:

**Instrumento:** Medidor de Vibração

**Modelo:** VIBRATE

**Fabricante:** CRIFFER

**Número de série:** 17121007

### DADOS DOS SENSORES:

**Instrumento:** Acelerômetro VCI

Acelerômetro VMB

**Fabricante:** Criffer

Criffer

**Modelo:** CR-100

AP2044

**Número de série:** S00053

7033

**PROCEDIMENTOS DE CALIBRAÇÃO:** PCA-003 - Rev. C

**MÉTODO(S):** Comparação direta com o padrão de referência.

### PADRÃO(ÕES) UTILIZADO(S):

- Criffer – CR-1 - Certificado de calibração n° RBC5-11491-391 da Total Safety – Válido até 06/2025
- Keithley - 2015 - Certificado de calibração n° E0396a-2022 do Labelo - Válido até 04/2025
- Testo - Testo 622 - Certificado de calibração n° J012702/2024 e J012705/2024 da K&L - Válido até 03/2026

### CONDIÇÕES AMBIENTAIS:

**Temperatura:** 23,0 °C ± 3,0 °C

**Umidade Relativa:** 70 % ± 25 %

**Pressão Atmosférica:** 101,32 kPa ± 10 %

### NOTAS:

- Os resultados da calibração estão contidos em tabelas anexas, que relacionam os valores indicados pelo instrumento em teste, com valores obtidos através da comparação com os padrões e incertezas estimadas da medição (IM).
- A incerteza expandida de medição é declarada como a incerteza combinada, multiplicada pelo fator de abrangência “k”, correspondente a um nível de confiança de aproximadamente 95%, conforme a distribuição de probabilidade t-Student, com graus de liberdades efetivos (Veff).
- A incerteza padrão de calibração foi determinada de acordo com o “guia para expressão de incerteza de medição”.
- Esta calibração não substitui nem isenta os cuidados mínimos do controle metrológico.
- Este certificado refere-se exclusivamente ao item calibrado, não sendo extensivo a quaisquer lotes.
- O certificado não deve ser reproduzido total ou parcialmente sem prévia autorização.
- Calibração realizada nas instalações da Criffer Lab, situado na avenida Theodomiro Porto da Fonseca, 3101, Unidade 6, sala 203, bairro Cristo Rei, São Leopoldo - RS, com padrões calibrados em laboratórios acreditados à coordenação geral de acreditação do INMETRO.
- O presente certificado de calibração atende aos requisitos da norma ABNT NBR ISO IEC 17025.

CRS0172/2025

RESULTADOS:

Calibração em função da velocidade do movimento vibratório – 159,2 Hz (mm/s RMS)

**Acelerômetro VCI**

| Ensaio                       | Valores obtidos nas medições em mV/g |                |                |
|------------------------------|--------------------------------------|----------------|----------------|
|                              | Eixo X                               | Eixo Y         | Eixo Z         |
|                              | Sensibilidade:                       | Sensibilidade: | Sensibilidade: |
|                              | 117,0                                | 115,5          | 115,5          |
| Resultado (mV/g)             | 117,0                                | 115,5          | 115,5          |
| ± Incerteza de medição(mV/g) | 1                                    | 1              | 1              |

**Acelerômetro VMB**

| Excitador<br>(010,00 m/s <sup>2</sup> ) | Valores obtidos nas medições em mV/g |                |                |
|-----------------------------------------|--------------------------------------|----------------|----------------|
|                                         | Eixo X                               | Eixo Y         | Eixo Z         |
|                                         | Sensibilidade:                       | Sensibilidade: | Sensibilidade: |
|                                         | 13,0                                 | 13,0           | 13,0           |
| Resultado (mV/g)                        | 13,0                                 | 13,0           | 13,0           |
| ± Incerteza de medição(mV/g)            | 1                                    | 1              | 1              |

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João Carlos T.C. Izabel  
Signatário Autorizado

## Certificado de Calibração

|                        |              |
|------------------------|--------------|
| Número do Certificado: | CRA0132/2025 |
| Data da Calibração:    | 31/01/2025   |
| Data da Emissão:       | 03/02/2025   |



### Dados do Cliente

Nome: THAIS LUANA GRZEGOZESKI  
Endereço: R. 22 DE ABRIL, 520 - 85960-158 - MARECHAL CANDIDO - RONDON/PR, BRASIL.

### Dados do Item Calibrado

Equipamento: Calibrador de Nível Sonoro  
Fabricante: CRIFFER  
Modelo: CR-2 PLUS  
Número de Série: 37000806  
Classe: 1

| Condições ambientais  |         |        |
|-----------------------|---------|--------|
| Parâmetros            | Inicial | Final  |
| Temperatura (°C):     | 24,5    | 24,0   |
| Umidade relativa (%): | 51,5    | 50,8   |
| Pressão(hPa):         | 1005,5  | 1005,4 |

| Configurações do Calibrador |     |                 |
|-----------------------------|-----|-----------------|
| Níveis Nominais (dB)        |     | Frequência (Hz) |
| NPS 1                       | 94  | 1000            |
| NPS 2                       | 114 | 1000            |

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por JOAO CARLOS  
THOMAZ CAMARGO  
IZABEL:03438396017  
Dados: 2025.02.03  
11:21:15 -03'00'

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Signatário autorizado

- A Cgcre é signatária do Acordo de Reconhecimento Mútuo da ILAC (International Laboratory Accreditation Cooperation) e do Acordo de Reconhecimento Mútuo da IAAC (Interamerican Accreditation Cooperation).
- Este certificado atende aos requisitos de acreditação pela Cgcre que avaliou a competência do laboratório e comprovou a sua rastreabilidade a padrões nacionais de medida (ou ao Sistema Internacional de Unidades – SI).
- Os resultados deste certificado são válidos apenas para o item acima caracterizado, não sendo extensivo a quaisquer outros.
- Este certificado de calibração somente pode ser reproduzido em sua forma integral.
- A calibração foi realizada nas dependências do CRIFFER LAB, no endereço informado no cabeçalho deste certificado.

Informações Pertinentes à Calibração

Os resultados da calibração são rastreados ao Sistema Internacional de Unidades (SI), por intermédio dos padrões metrológicos nacionais. As medições realizadas estão referenciadas aos padrões relacionados na Tabela 1, a seguir.

| Padrão           | Código | Origem   | Certificado             | Validade |
|------------------|--------|----------|-------------------------|----------|
| Multímetro       | ACU-06 | Labelo   | E0639/2024              | mai/26   |
| Pré-amplificador | ACU-16 | Labelo   | A0359-2024              | set/25   |
| Microfone        | ACU-15 | Spectris | CBR2400718 e CBR2400719 | set/25   |
| Barômetro        | TMT-04 | K&L      | J012702/2024            | mar/26   |
| Termo-higrômetro | TMT-04 | K&L      | J012705/2024            | mar/26   |

Procedimento: PC EAC 03 – Calibrador de nível sonoro IEC 60942 - Método da Inserção de tensão rev.03

Norma(s) utilizadas: IEC 60942 Ed. 4.0:2017 Electroacoustics - Sound Calibrators

Avaliação da Conformidade

A avaliação da conformidade do calibrador sonoro é realizada através da calibração do equipamento de acordo com as recomendações da norma: **IEC 60942 Ed. 4.0:2017 Electroacoustics - Sound Calibrators**

A abrangência dos testes está de acordo com as recomendações do **DOQ-Cgcre-052**, que é o documento orientativo que estabelece os requisitos a serem avaliados por laboratórios brasileiros de calibração.

A calibração do nível sonoro gerado é realizada através do método da inserção de tensão.

A medição da frequência é realizada através do método direto.

As medições foram realizadas três vezes e a média das três amostras é o valor final apresentado nas tabelas 2 e 3 deste certificado de calibração.

O desvio medido não deve exceder os limites de aceitação estabelecidos pela norma.

A incerteza de medição não deve ser maior que a máxima incerteza de medição permitida.

A incerteza expandida de medição é declarada como a incerteza padrão combinada multiplicada pelo fator de abrangência  $k=2$ , o qual corresponde a uma probabilidade de abrangência de aproximadamente 95 %, tendo sido determinada de acordo com a terceira edição brasileira do "Guia para a Expressão da Incerteza de Medição".

Todos os testes realizados estão de acordo com o anexo B da IEC 60942:2017.

Teste do Nível Gerado

Tabela 2 : Testes do nível sonoro gerado - item 5.3.2 da norma IEC 60942 (2017)

| Frequência Nominal<br>Hz | Nível Nominal<br>dB(re.20µPa) | Nível Medido<br>dB(re.20µPa) | Desvio Medido<br>dB | Limite de Aceitação<br>+/- (dB) | Fator de Abrangência<br>k | Incerteza de Medição<br>(dB) | Máxima Incerteza<br>(dB) |
|--------------------------|-------------------------------|------------------------------|---------------------|---------------------------------|---------------------------|------------------------------|--------------------------|
| 1000,00                  | 94                            | 93,86                        | -0,14               | 0,25                            | 2,00                      | 0,14                         | 0,15                     |
| 1000,00                  | 114                           | 113,91                       | -0,09               | 0,25                            | 2,00                      | 0,14                         | 0,15                     |

Teste da Frequência Gerada

Tabela 3 : Testes da frequência gerada - item 5.4.2 da norma IEC 60942 (2017)

| Nível Nominal<br>dB(re.20µPa) | Frequência Nominal<br>Hz | Frequência Medida<br>Hz | Desvio Medido<br>Hz | Limite de Aceitação<br>+/- (Hz) | Fator de Abrangência<br>k | Incerteza de Medição<br>(Hz) | Máxima Incerteza<br>(Hz) |
|-------------------------------|--------------------------|-------------------------|---------------------|---------------------------------|---------------------------|------------------------------|--------------------------|
| 94                            | 1000,00                  | 1000,06                 | 0,06                | 7,00                            | 2,00                      | 0,22                         | 2,00                     |
| 114                           | 1000,00                  | 1000,06                 | 0,06                | 7,00                            | 2,00                      | 0,22                         | 2,00                     |

Observações:

## Carta de Referência

As medições de nível sonoro e frequência gerada encontram-se no certificado:

CRA0132/2025

### Dados do Item Calibrado

**Equipamento:** Calibrador de Nível Sonoro

**Fabricante:** CRIFFER

**Modelo:** CR-2 PLUS

**Número de Série:** 37000806

**Classe:** 1

### Teste da Distorção Total

A distorção do sinal gerado é determinada através de medição direta.

A distorção medida acrescida da incerteza de medição não deve ser maior que a tolerância da norma IEC.

Estes resultados não são rastreáveis ao Sistema Internacional de medidas.

Este teste não faz parte do escopo de acreditação.

Testes de Distorção - item 5.6 da norma IEC 60942 (2017)

| Nível<br>Nominal<br>dB | Frequência<br>Nominal<br>Hz | Distorção<br>Total<br>Medida (%) | Limite de<br>Aceitação<br>(%) | Fator de<br>Abrangência<br>k | Incerteza<br>de Medição<br>(%) | Máxima<br>Incerteza<br>(%) |
|------------------------|-----------------------------|----------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------|
| 94                     | 1000                        | 1,40                             | 2,50                          | 2,65                         | 0,50                           | 0,50                       |
| 114                    | 1000                        | 2,10                             | 2,50                          | 2,00                         | 0,24                           | 0,50                       |

## Certificado de Calibração

Número do Certificado: **CRA0130/2025**

Data da Calibração: **31/01/2025**

A data de emissão do certificado corresponde à data de assinatura digital do signatário autorizado.



### Dados do Cliente

**Nome:** THAIS LUANA GRZEGOZESKI  
**Endereço:** R. 22 DE ABRIL, 520 - 85960-158 - MARECHAL CANDIDO - RONDON/PR, BRASIL.

### Dados do Item Calibrado

**Equipamento:** Dosímetro de ruído  
**Fabricante:** CRIFFER  
**Modelo:** SONUS-2 PLUS  
**Número de Série:** 32000436

### Dados do Laboratório Executor

**Laboratório:** C.F.F. SERVICOS DE MANUTENCAO EM INSTRUMENTOS LTDA  
**Endereço:** Av Theodomiro Porto da Fonseca, 3101 – Cristo Rei – São Leopoldo/RS - Brasil  
**Telefone:** (51) 3081-6684  
**Local da calibração:** Calibração realizada nas dependências do Criffer Lab, no endereço informado acima.

JOAO CARLOS  
THOMAZ CAMARGO  
IZABEL:03438396017

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JOAO CARLOS THOMAZ  
CAMARGO IZABEL:03438396017  
Dados: 2025.02.03 11:35:54  
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Signatário autorizado  
João Carlos Izabel

- A Cgcre é signatária do Acordo de Reconhecimento Mútuo da ILAC (International Laboratory Accreditation Cooperation) e do Acordo de Reconhecimento Mútuo da IAAC (Interamerican Accreditation Cooperation).
- Este certificado atende aos requisitos de acreditação pela Cgcre que avaliou a competência do laboratório e comprovou a sua rastreabilidade a padrões nacionais de medida (ou ao Sistema Internacional de Unidades – SI).
- Os resultados deste certificado são válidos apenas para o item acima caracterizado, não sendo extensivo a quaisquer outros.
- Este certificado de calibração somente pode ser reproduzido em sua forma integral.
- A calibração foi realizada nas dependências do CRIFFER LAB, no endereço informado no cabeçalho deste certificado.

## Informações pertinentes à calibração

Os resultados da calibração são rastreados ao Sistema Internacional de Unidades (SI), por intermédio dos padrões metrológicos nacionais. A calibração está referenciada aos padrões relacionados a seguir.

Tabela 1: Padrões metrológicos utilizados na calibração

| Padrão            | Código | Origem | Certificado     | Válido até |
|-------------------|--------|--------|-----------------|------------|
| Gerador de sinais | ACU-17 | Laeta  | DIMCI 0823/2024 | jul/25     |
| Barômetro         | TMT-04 | K&L    | J012702/2024    | mar/26     |
| Termohigrometro   | TMT-04 | K&L    | J012705/2024    | mar/26     |

**Procedimento:** PC EAC 01 – Audiodosímetros e medidores de exposição sonora IEC 61252 rev. 04

### Condições ambientais

|                            |        |
|----------------------------|--------|
| Temperatura (°C):          | 22,7   |
| Umidade (%):               | 53,8   |
| Pressão Atmosférica (hPa): | 1005,9 |

### Avaliação da Conformidade

A avaliação da conformidade do equipamento é realizada de acordo com as recomendações da norma

**IEC 61252 (1993) - Specifications for personal sound exposure meters.**

Algumas funções do equipamento são calibradas de acordo com norma **IEC 60651 (1979) - Sound Level Meters**, como medidores de nível sonoro de classe 2.

A abrangência dos testes está de acordo com as recomendações do documento orientativo DOQ-Cgcre-052, que estabelece os requisitos avaliados por laboratórios brasileiros de calibrações eletroacústicas.

A calibração é realizada através da aplicação de sinais elétricos diretamente à entrada do equipamento seguindo as recomendações disponibilizadas pelo fabricante do equipamento. O microfone não foi calibrado.

O sinais elétricos foram construídos de acordo com os itens normalizados relacionados a seguir.

As seguintes características foram avaliadas:

#### Linearidade a sinais estacionários

Sinal senoidal de 1 kHz variado em amplitude em passos de 10 dB para identificar a faixa dinâmica na qual o desvio do equipamento está de acordo com o **item 7.10 da IEC 60651**.

#### Resposta em frequência

Sinal senoidal de amplitude constante e frequência variável para verificar se o equipamento está com desvio na curva A dentro das tolerâncias do **item 7.1 da IEC 61252**.

#### Resposta a sinais de curta duração

Sinal com pulsos tonais de 4 kHz, com duração e razão de pulso para verificar se o equipamento está de acordo com as tolerâncias estabelecidas pelo **item 9 da IEC 61252**.

#### Resposta a pulsos unipolares

Sinal com pulsos retangulares de polaridade ora positiva e ora negativa para verificar se o equipamento está de acordo com as tolerâncias do **item 10 da IEC 61252**.

#### Abreviaturas:

LAeq = Nível sonoro equivalente medido em dB

Exp. E4k = Exposição sonora de referência medida em LAeq - item B.4.2 da IEC 61252

#### Observações:

A incerteza expandida de medição é declarada como a incerteza padrão combinada multiplicada pelo fator de abrangência "k", o qual corresponde a uma probabilidade de abrangência de aproximadamente 95 %. A incerteza expandida de medição foi determinada de acordo com a Terceira Edição Brasileira do "Guia para a Expressão da Incerteza de Medição" (ISO GUM).

Tabela 2 : Linearidade a sinais estacionários.

| Nível Nominal | Nível Medido | Desvio Medido | Tolerância +/- | Limite Mínimo | Limite Máximo | Fator de Abrang. | Incerteza Expandida |
|---------------|--------------|---------------|----------------|---------------|---------------|------------------|---------------------|
| dB            | dB           | dB            | dB             | dB            | dB            | k                | (dB)                |
| 40            | 40,7         | 0,7           | 1              | 38,8          | 41,2          | 2,0              | 0,2                 |
| 80            | 80,0         | 0,0           | 1              | 78,8          | 81,2          | 2,0              | 0,2                 |
| 90            | 90,0         | 0,0           | 1              | 88,8          | 91,2          | 2,0              | 0,2                 |
| 94            | 94,0         | 0,0           | 1              | 92,8          | 95,2          | 2,0              | 0,2                 |
| 100           | 100,0        | 0,0           | 1              | 98,8          | 101,2         | 2,0              | 0,2                 |
| 110           | 110,0        | 0,0           | 1              | 108,8         | 111,2         | 2,0              | 0,2                 |
| 120           | 120,0        | 0,0           | 1              | 118,8         | 121,2         | 2,0              | 0,2                 |
| 130           | 130,0        | 0,0           | 1              | 128,8         | 131,2         | 2,0              | 0,2                 |
| 135           | 135,0        | 0,0           | 1              | 133,8         | 136,2         | 2,0              | 0,2                 |

Tabela 3: Resposta em frequência.

| Freq. Exata | Nível Esperado | Nível Medido | Tolerância da Norma | Limite Mínimo | Limite Máximo | Fator de Abrang. | Incerteza Expandida |
|-------------|----------------|--------------|---------------------|---------------|---------------|------------------|---------------------|
| Hz          | dB             | dB           | dB                  | dB            | dB            | k                | (dB)                |
| 31,62       | 90,6           | 90,4         | ± 3,0               | 87,2          | 94,0          | 2                | 0,4                 |
| 63,10       | 103,8          | 103,8        | ± 2,0               | 101,4         | 106,2         | 2                | 0,4                 |
| 125,89      | 113,9          | 113,9        | ± 1,5               | 112           | 115,8         | 2                | 0,4                 |
| 251,19      | 121,4          | 121,3        | ± 1,5               | 119,5         | 123,3         | 2                | 0,4                 |
| 501,19      | 126,8          | 126,7        | ± 1,5               | 124,9         | 128,7         | 2                | 0,4                 |
| 1000,00     | 130,0          | 130,0        | ± 1,5               | 128,1         | 131,9         | 2                | 0,4                 |
| 1995,26     | 131,2          | 131,2        | ± 2,0               | 128,8         | 133,6         | 2                | 0,4                 |
| 3981,07     | 131,0          | 130,8        | ± 3,0               | 127,6         | 134,4         | 2                | 0,4                 |
| 7943,28     | 128,9          | 128,1        | ± 5,0               | 123,5         | 134,3         | 2                | 0,4                 |
| 12589,25    | 125,7          | 121,8        | -∞;+5               | -∞            | 131,1         | 2                | 0,4                 |

Tabela 4: Resposta a sinais de curta duração.

| Duração do Pulso | Razão de Pulso | Amplitude do Pulso | Tempo de Medição | LAeq E4k Referência | LAeq Medido | LAeq Mínimo | LAeq Máximo | Fator de Abrang. | Incerteza Expandida |
|------------------|----------------|--------------------|------------------|---------------------|-------------|-------------|-------------|------------------|---------------------|
| ms               | -              | dB                 | s                | dB                  | dB          | dB          | dB          | k                | dB                  |
| 10               | 1:100          | 115                | 1897             | 94,97               | 95          | 93,7        | 96,3        | 2                | 0,3                 |
| 1                | 1:1000         | 125                | 1897             | 94,97               | 94,9        | 93,7        | 96,3        | 2                | 0,3                 |
| 1                | 1:1000         | 130                | 600              | 99,97               | 99,9        | 98,2        | 101,8       | 2                | 0,3                 |
| 10               | 1:1000         | 130                | 600              | 99,97               | 100         | 98,2        | 101,8       | 2                | 0,3                 |

Tabela 5: Resposta a pulsos unipolares.

| Tempo de medição | Amplitude do pulso | Pulso Negativo | Pulso Positivo | Diferença entre os pulsos | Tolerância negativa | Tolerância positiva | Fator de Abrang. | Incerteza Expandida |
|------------------|--------------------|----------------|----------------|---------------------------|---------------------|---------------------|------------------|---------------------|
| s                | dB                 | dB             | dB             | dB                        | dB                  | dB                  | k                | dB                  |
| 113,3            | 130                | 120,1          | 120,1          | 0                         | -1,4                | 1,4                 | 2                | 0,4                 |

Tabela 6: Ajuste Acústico

| Nível de Referência | Nível Medido | Nível Pós Ajuste | Diferença de nível |
|---------------------|--------------|------------------|--------------------|
| dB                  | dB           | dB               | dB                 |
| 94                  | 94,0         | 94,0             | 0,0                |

Fim dos resultados

## Certificado de Calibração

Número do Certificado: **CRA0131/2025**

Data da Calibração: **31/01/2025**

A data de emissão do certificado corresponde à data de assinatura digital do signatário autorizado.



### Dados do Cliente

**Nome:** THAIS LUANA GRZEGOZESKI  
**Endereço:** R. 22 DE ABRIL, 520 - 85960-158 - MARECHAL CANDIDO - RONDON/PR, BRASIL.

### Dados do Item Calibrado

**Equipamento:** Dosímetro de ruído  
**Fabricante:** CRIFFER  
**Modelo:** SONUS-2 PLUS  
**Número de Série:** 32005135

### Dados do Laboratório Executor

**Laboratório:** C.F.F. SERVICOS DE MANUTENCAO EM INSTRUMENTOS LTDA  
**Endereço:** Av Theodomiro Porto da Fonseca, 3101 – Cristo Rei – São Leopoldo/RS - Brasil  
**Telefone:** (51) 3081-6684  
**Local da calibração:** Calibração realizada nas dependências do Criffer Lab, no endereço informado acima.

JOAO CARLOS  
THOMAZ CAMARGO  
IZABEL:03438396017

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JOAO CARLOS THOMAZ  
CAMARGO IZABEL:03438396017  
Dados: 2025.02.03 11:50:45  
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Signatário autorizado  
João Carlos Izabel

- A Cgcre é signatária do Acordo de Reconhecimento Mútuo da ILAC (International Laboratory Accreditation Cooperation) e do Acordo de Reconhecimento Mútuo da IAAC (Interamerican Accreditation Cooperation).
- Este certificado atende aos requisitos de acreditação pela Cgcre que avaliou a competência do laboratório e comprovou a sua rastreabilidade a padrões nacionais de medida (ou ao Sistema Internacional de Unidades – SI).
- Os resultados deste certificado são válidos apenas para o item acima caracterizado, não sendo extensivo a quaisquer outros.
- Este certificado de calibração somente pode ser reproduzido em sua forma integral.
- A calibração foi realizada nas dependências do CRIFFER LAB, no endereço informado no cabeçalho deste certificado.

## Informações pertinentes à calibração

Os resultados da calibração são rastreados ao Sistema Internacional de Unidades (SI), por intermédio dos padrões metrológicos nacionais. A calibração está referenciada aos padrões relacionados a seguir.

Tabela 1: Padrões metrológicos utilizados na calibração

| Padrão            | Código | Origem | Certificado     | Válido até |
|-------------------|--------|--------|-----------------|------------|
| Gerador de sinais | ACU-17 | Laeta  | DIMCI 0823/2024 | jul/25     |
| Barômetro         | TMT-04 | K&L    | J012702/2024    | mar/26     |
| Termohigrometro   | TMT-04 | K&L    | J012705/2024    | mar/26     |

**Procedimento:** PC EAC 01 – Audiodosímetros e medidores de exposição sonora IEC 61252 rev. 04

### Condições ambientais

|                            |        |
|----------------------------|--------|
| Temperatura (°C):          | 22,7   |
| Umidade (%):               | 51,6   |
| Pressão Atmosférica (hPa): | 1006,0 |

### Avaliação da Conformidade

A avaliação da conformidade do equipamento é realizada de acordo com as recomendações da norma

**IEC 61252 (1993) - Specifications for personal sound exposure meters.**

Algumas funções do equipamento são calibradas de acordo com norma **IEC 60651 (1979) - Sound Level Meters**, como medidores de nível sonoro de classe 2.

A abrangência dos testes está de acordo com as recomendações do documento orientativo DOQ-Cgcre-052, que estabelece os requisitos avaliados por laboratórios brasileiros de calibrações eletroacústicas.

A calibração é realizada através da aplicação de sinais elétricos diretamente à entrada do equipamento seguindo as recomendações disponibilizadas pelo fabricante do equipamento. O microfone não foi calibrado.

O sinais elétricos foram construídos de acordo com os itens normalizados relacionados a seguir.

As seguintes características foram avaliadas:

#### Linearidade a sinais estacionários

Sinal senoidal de 1 kHz variado em amplitude em passos de 10 dB para identificar a faixa dinâmica na qual o desvio do equipamento está de acordo com o **item 7.10 da IEC 60651**.

#### Resposta em frequência

Sinal senoidal de amplitude constante e frequência variável para verificar se o equipamento está com desvio na curva A dentro das tolerâncias do **item 7.1 da IEC 61252**.

#### Resposta a sinais de curta duração

Sinal com pulsos tonais de 4 kHz, com duração e razão de pulso para verificar se o equipamento está de acordo com as tolerâncias estabelecidas pelo **item 9 da IEC 61252**.

#### Resposta a pulsos unipolares

Sinal com pulsos retangulares de polaridade ora positiva e ora negativa para verificar se o equipamento está de acordo com as tolerâncias do **item 10 da IEC 61252**.

#### Abreviaturas:

LAeq = Nível sonoro equivalente medido em dB

Exp. E4k = Exposição sonora de referência medida em LAeq - item B.4.2 da IEC 61252

#### Observações:

A incerteza expandida de medição é declarada como a incerteza padrão combinada multiplicada pelo fator de abrangência "k", o qual corresponde a uma probabilidade de abrangência de aproximadamente 95 %. A incerteza expandida de medição foi determinada de acordo com a Terceira Edição Brasileira do "Guia para a Expressão da Incerteza de Medição" (ISO GUM).

Tabela 2 : Linearidade a sinais estacionários.

| Nível Nominal<br>dB | Nível Medido<br>dB | Desvio Medido<br>dB | Tolerância +/-<br>dB | Limite Mínimo<br>dB | Limite Máximo<br>dB | Fator de Abrang.<br>k | Incerteza Expandida<br>(dB) |
|---------------------|--------------------|---------------------|----------------------|---------------------|---------------------|-----------------------|-----------------------------|
| 135                 | 135,0              | 0,0                 | 1                    | 133,8               | 136,2               | 2,0                   | 0,2                         |
| 130                 | 130,0              | 0,0                 | 1                    | 128,8               | 131,2               | 2,0                   | 0,2                         |
| 120                 | 120,0              | 0,0                 | 1                    | 118,8               | 121,2               | 2,0                   | 0,2                         |
| 110                 | 110,0              | 0,0                 | 1                    | 108,8               | 111,2               | 2,0                   | 0,2                         |
| 100                 | 100,0              | 0,0                 | 1                    | 98,8                | 101,2               | 2,0                   | 0,2                         |
| 94                  | 94,0               | 0,0                 | 1                    | 92,8                | 95,2                | 2,0                   | 0,2                         |
| 90                  | 90,0               | 0,0                 | 1                    | 88,8                | 91,2                | 2,0                   | 0,2                         |
| 80                  | 80,0               | 0,0                 | 1                    | 78,8                | 81,2                | 2,0                   | 0,2                         |
| 50                  | 50,3               | 0,3                 | 1                    | 48,8                | 51,2                | 2,0                   | 0,2                         |

Tabela 3: Resposta em frequência.

| Freq. Exata<br>Hz | Nível Esperado<br>dB | Nível Medido<br>dB | Tolerância da Norma<br>dB | Limite Mínimo<br>dB | Limite Máximo<br>dB | Fator de Abrang.<br>k | Incerteza Expandida<br>(dB) |
|-------------------|----------------------|--------------------|---------------------------|---------------------|---------------------|-----------------------|-----------------------------|
| 31,62             | 90,6                 | 90,4               | ± 3,0                     | 87,2                | 94,0                | 2                     | 0,4                         |
| 63,10             | 103,8                | 103,8              | ± 2,0                     | 101,4               | 106,2               | 2                     | 0,4                         |
| 125,89            | 113,9                | 113,8              | ± 1,5                     | 112                 | 115,8               | 2                     | 0,4                         |
| 251,19            | 121,4                | 121,3              | ± 1,5                     | 119,5               | 123,3               | 2                     | 0,4                         |
| 501,19            | 126,8                | 126,7              | ± 1,5                     | 124,9               | 128,7               | 2                     | 0,4                         |
| 1000,00           | 130,0                | 130,0              | ± 1,5                     | 128,1               | 131,9               | 2                     | 0,4                         |
| 1995,26           | 131,2                | 131,1              | ± 2,0                     | 128,8               | 133,6               | 2                     | 0,4                         |
| 3981,07           | 131,0                | 130,8              | ± 3,0                     | 127,6               | 134,4               | 2                     | 0,4                         |
| 7943,28           | 128,9                | 128,0              | ± 5,0                     | 123,5               | 134,3               | 2                     | 0,4                         |
| 12589,25          | 125,7                | 121,7              | -∞;+5                     | -∞                  | 131,1               | 2                     | 0,4                         |

Tabela 4: Resposta a sinais de curta duração.

| Duração do Pulso<br>ms | Razão de Pulso<br>- | Amplitude do Pulso<br>dB | Tempo de Medição<br>s | LAeq E4k Referência<br>dB | LAeq Medido<br>dB | LAeq Mínimo<br>dB | LAeq Máximo<br>dB | Fator de Abrang.<br>k | Incerteza Expandida<br>dB |
|------------------------|---------------------|--------------------------|-----------------------|---------------------------|-------------------|-------------------|-------------------|-----------------------|---------------------------|
| 10                     | 1:100               | 115                      | 1897                  | 94,96                     | 94,9              | 93,7              | 96,3              | 2                     | 0,3                       |
| 1                      | 1:1000              | 125                      | 1897                  | 94,96                     | 94,9              | 93,7              | 96,3              | 2                     | 0,3                       |
| 1                      | 1:1000              | 130                      | 600                   | 99,96                     | 99,9              | 98,2              | 101,8             | 2                     | 0,3                       |
| 10                     | 1:1000              | 130                      | 600                   | 99,96                     | 100               | 98,2              | 101,8             | 2                     | 0,3                       |

Tabela 5: Resposta a pulsos unipolares.

| Tempo de medição<br>s | Amplitude do pulso<br>dB | Pulso Negativo<br>dB | Pulso Positivo<br>dB | Diferença entre os pulsos<br>dB | Tolerância negativa<br>dB | Tolerância positiva<br>dB | Fator de Abrang.<br>k | Incerteza Expandida<br>dB |
|-----------------------|--------------------------|----------------------|----------------------|---------------------------------|---------------------------|---------------------------|-----------------------|---------------------------|
| 113,3                 | 130                      | 120                  | 120                  | 0                               | -1,4                      | 1,4                       | 2                     | 0,4                       |

Tabela 6: Ajuste Acústico

| Nível de Referência<br>dB | Nível Medido<br>dB | Nível Pós Ajuste<br>dB | Diferença de nível<br>dB |
|---------------------------|--------------------|------------------------|--------------------------|
| 94                        | 93,9               | 94,0                   | 0,1                      |

Fim dos resultados