

Casella CEL SoundTrack - dB1 4.01 © Casella CEL Ltd 1998 - 2001

Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_D\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 88,4     | 44,0     | 63,2    | 66,1    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 14.26.14  
Run end 20-Dez-07 14.46.44  
Duration 0 00.20.30 42  
Last calibration 20-Dez-07 14.23.00  
Measurement range 35 - 110 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A001

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_D\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 14.48.22  
 Run end 20-Dez-07 14.58.56  
 Duration 0 00.10.34 16  
 Last calibration 20-Dez-07 14.23.00  
 Measurement range 35 - 110 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used No

Notes

Run ID: A001

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | ----        | 1 Broadband | 60,0    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 0,0     |  |
|                     |             | 63 Hz       | 42,2    |  |
|                     |             | 80 Hz       | 43,5    |  |
|                     |             | 100 Hz      | 37,0    |  |
|                     |             | 125 Hz      | 38,3    |  |
|                     |             | 160 Hz      | 39,7    |  |
|                     |             | 200 Hz      | 41,9    |  |
|                     |             | 250 Hz      | 44,9    |  |
|                     |             | 315 Hz      | 46,9    |  |
|                     |             | 400 Hz      | 48,6    |  |
|                     |             | 500 Hz      | 49,5    |  |
|                     |             | 630 Hz      | 50,1    |  |
|                     |             | 800 Hz      | 51,2    |  |
|                     |             | 1k Hz       | 51,9    |  |
|                     |             | 1k25 Hz     | 50,6    |  |
|                     |             | 1k6 Hz      | 49,5    |  |
|                     |             | 2k Hz       | 47,4    |  |
|                     |             | 2k5 Hz      | 45,1    |  |
|                     |             | 3k15 Hz     | 43,3    |  |
|                     |             | 4k Hz       | 41,4    |  |
|                     |             | 5k Hz       | 40,0    |  |
|                     |             | 6k3 Hz      | 36,9    |  |
|                     |             | 8k Hz       | 0,0     |  |
|                     |             | 10k Hz      | 0,0     |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_D\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 81,0     | 45,7     | 58,1    | 60,9    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 15.03.36  
Run end 20-Dez-07 15.23.45  
Duration 0 00.20.09 34  
Last calibration 20-Dez-07 14.23.00  
Measurement range 35 - 110 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A002

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_D\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 15.24.13  
 Run end 20-Dez-07 15.34.20  
 Duration 0 00.10.07 30  
 Last calibration 20-Dez-07 14.23.00  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred Yes  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A002

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | O-P-        | 1 Broadband | 67,1    |  |
|                     |             | 12 Hz       | 38,8    |  |
|                     |             | 16 Hz       | 36,7    |  |
|                     |             | 20 Hz       | 29,1    |  |
|                     |             | 25 Hz       | 28,8    |  |
|                     |             | 32 Hz       | 40,4    |  |
|                     |             | 40 Hz       | 39,6    |  |
|                     |             | 50 Hz       | 40,4    |  |
|                     |             | 63 Hz       | 39,0    |  |
|                     |             | 80 Hz       | 37,0    |  |
|                     |             | 100 Hz      | 40,0    |  |
|                     |             | 125 Hz      | 41,5    |  |
|                     |             | 160 Hz      | 43,7    |  |
|                     |             | 200 Hz      | 45,9    |  |
|                     |             | 250 Hz      | 47,0    |  |
|                     |             | 315 Hz      | 49,3    |  |
|                     |             | 400 Hz      | 52,7    |  |
|                     |             | 500 Hz      | 54,7    |  |
|                     |             | 630 Hz      | 52,9    |  |
|                     |             | 800 Hz      | 55,3    |  |
|                     |             | 1k Hz       | 54,6    |  |
|                     |             | 1k25 Hz     | 53,9    |  |
|                     |             | 1k6 Hz      | 55,7    |  |
|                     |             | 2k Hz       | 55,4    |  |
|                     |             | 2k5 Hz      | 53,8    |  |
|                     |             | 3k15 Hz     | 53,7    |  |
|                     |             | 4k Hz       | 52,0    |  |
|                     |             | 5k Hz       | 51,8    |  |
|                     |             | 6k3 Hz      | 51,4    |  |
|                     |             | 8k Hz       | 50,6    |  |
|                     |             | 10k Hz      | 50,2    |  |
|                     |             | 12k5 Hz     | 50,4    |  |
|                     |             | 16k Hz      | 50,0    |  |
|                     |             | 20k Hz      | 49,4    |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_D\_BB.DTA

| % time Flags |      | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|--------------|------|----------|----------|---------|---------|
| Overload     | OBPZ | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00         | --P- | 82,5     | 50,9     | 58,3    | 60,9    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 15.37.14  
Run end 20-Dez-07 15.57.22  
Duration 0 00.20.08 20  
Last calibration 20-Dez-07 14.23.00  
Measurement range 45 - 120 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A003

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_D\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 15.57.53  
 Run end 20-Dez-07 16.08.12  
 Duration 0 00.10.19 4  
 Last calibration 20-Dez-07 14.23.00  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred Yes  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A003

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | O-P-        | 1 Broadband | 58,5    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 30,7    |  |
|                     |             | 63 Hz       | 33,6    |  |
|                     |             | 80 Hz       | 36,6    |  |
|                     |             | 100 Hz      | 36,0    |  |
|                     |             | 125 Hz      | 35,5    |  |
|                     |             | 160 Hz      | 33,8    |  |
|                     |             | 200 Hz      | 33,8    |  |
|                     |             | 250 Hz      | 37,5    |  |
|                     |             | 315 Hz      | 42,5    |  |
|                     |             | 400 Hz      | 45,3    |  |
|                     |             | 500 Hz      | 49,0    |  |
|                     |             | 630 Hz      | 50,6    |  |
|                     |             | 800 Hz      | 50,6    |  |
|                     |             | 1k Hz       | 49,9    |  |
|                     |             | 1k25 Hz     | 49,6    |  |
|                     |             | 1k6 Hz      | 49,2    |  |
|                     |             | 2k Hz       | 46,7    |  |
|                     |             | 2k5 Hz      | 43,2    |  |
|                     |             | 3k15 Hz     | 39,6    |  |
|                     |             | 4k Hz       | 35,9    |  |
|                     |             | 5k Hz       | 32,9    |  |
|                     |             | 6k3 Hz      | 29,3    |  |
|                     |             | 8k Hz       | 24,6    |  |
|                     |             | 10k Hz      | 0,0     |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_D\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 87,9     | 46,5     | 64,6    | 65,1    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 16.12.01  
Run end 20-Dez-07 16.32.57  
Duration 0 00.20.56 88  
Last calibration 20-Dez-07 14.23.00  
Measurement range 35 - 110 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4  
Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A004

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_D\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 16.33.17  
 Run end 20-Dez-07 16.43.23  
 Duration 0 00.10.06 72  
 Last calibration 20-Dez-07 14.23.00  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used No

Notes

Run ID: A004

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | ----        | 1 Broadband | 53,1    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 31,3    |  |
|                     |             | 63 Hz       | 33,8    |  |
|                     |             | 80 Hz       | 34,6    |  |
|                     |             | 100 Hz      | 35,3    |  |
|                     |             | 125 Hz      | 31,8    |  |
|                     |             | 160 Hz      | 32,6    |  |
|                     |             | 200 Hz      | 33,9    |  |
|                     |             | 250 Hz      | 36,2    |  |
|                     |             | 315 Hz      | 38,4    |  |
|                     |             | 400 Hz      | 40,1    |  |
|                     |             | 500 Hz      | 40,2    |  |
|                     |             | 630 Hz      | 41,0    |  |
|                     |             | 800 Hz      | 44,2    |  |
|                     |             | 1k Hz       | 44,7    |  |
|                     |             | 1k25 Hz     | 45,5    |  |
|                     |             | 1k6 Hz      | 44,7    |  |
|                     |             | 2k Hz       | 42,1    |  |
|                     |             | 2k5 Hz      | 39,3    |  |
|                     |             | 3k15 Hz     | 35,5    |  |
|                     |             | 4k Hz       | 31,4    |  |
|                     |             | 5k Hz       | 28,5    |  |
|                     |             | 6k3 Hz      | 25,2    |  |
|                     |             | 8k Hz       | 0,0     |  |
|                     |             | 10k Hz      | 0,0     |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |



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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_D\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 91,8     | 50,6     | 64,7    | 67,6    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 16.48.15  
Run end 20-Dez-07 17.08.22  
Duration 0 00.20.07 58  
Last calibration 20-Dez-07 14.23.00  
Measurement range 35 - 110 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A005

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_D\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 17.09.11  
 Run end 20-Dez-07 17.20.25  
 Duration 0 00.11.14 14  
 Last calibration 20-Dez-07 14.23.00  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A005

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | --P-        | 1 Broadband | 58,1    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 31,5    |  |
|                     |             | 63 Hz       | 34,1    |  |
|                     |             | 80 Hz       | 36,9    |  |
|                     |             | 100 Hz      | 38,0    |  |
|                     |             | 125 Hz      | 37,3    |  |
|                     |             | 160 Hz      | 38,5    |  |
|                     |             | 200 Hz      | 39,2    |  |
|                     |             | 250 Hz      | 40,9    |  |
|                     |             | 315 Hz      | 41,4    |  |
|                     |             | 400 Hz      | 42,4    |  |
|                     |             | 500 Hz      | 45,0    |  |
|                     |             | 630 Hz      | 46,8    |  |
|                     |             | 800 Hz      | 48,4    |  |
|                     |             | 1k Hz       | 50,8    |  |
|                     |             | 1k25 Hz     | 50,6    |  |
|                     |             | 1k6 Hz      | 49,6    |  |
|                     |             | 2k Hz       | 47,7    |  |
|                     |             | 2k5 Hz      | 45,0    |  |
|                     |             | 3k15 Hz     | 42,6    |  |
|                     |             | 4k Hz       | 39,9    |  |
|                     |             | 5k Hz       | 38,1    |  |
|                     |             | 6k3 Hz      | 33,8    |  |
|                     |             | 8k Hz       | 28,1    |  |
|                     |             | 10k Hz      | 0,0     |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_E\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 75,4     | 40,0     | 59,0    | 60,6    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 20.00.59  
Run end 20-Dez-07 20.21.04  
Duration 0 00.20.05 66  
Last calibration 20-Dez-07 20.00.33  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A006

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_E\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 20.21.23  
 Run end 20-Dez-07 20.32.02  
 Duration 0 00.10.39 82  
 Last calibration 20-Dez-07 20.00.33  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred Yes  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A006

Cumulative period results

| % time Flags Record |      |        | Band      | dB, (A) |
|---------------------|------|--------|-----------|---------|
| Overload            | OBPZ | Number | Leq       |         |
| 0,00                | O-P- | 1      | Broadband | 58,6    |
|                     |      |        | 12 Hz     | 0,0     |
|                     |      |        | 16 Hz     | 0,0     |
|                     |      |        | 20 Hz     | 0,0     |
|                     |      |        | 25 Hz     | 0,0     |
|                     |      |        | 32 Hz     | 23,4    |
|                     |      |        | 40 Hz     | 25,2    |
|                     |      |        | 50 Hz     | 28,7    |
|                     |      |        | 63 Hz     | 31,8    |
|                     |      |        | 80 Hz     | 33,6    |
|                     |      |        | 100 Hz    | 34,6    |
|                     |      |        | 125 Hz    | 35,7    |
|                     |      |        | 160 Hz    | 37,8    |
|                     |      |        | 200 Hz    | 40,3    |
|                     |      |        | 250 Hz    | 43,4    |
|                     |      |        | 315 Hz    | 44,5    |
|                     |      |        | 400 Hz    | 46,1    |
|                     |      |        | 500 Hz    | 47,2    |
|                     |      |        | 630 Hz    | 48,7    |
|                     |      |        | 800 Hz    | 49,9    |
|                     |      |        | 1k Hz     | 50,9    |
|                     |      |        | 1k25 Hz   | 50,1    |
|                     |      |        | 1k6 Hz    | 49,1    |
|                     |      |        | 2k Hz     | 46,9    |
|                     |      |        | 2k5 Hz    | 43,8    |
|                     |      |        | 3k15 Hz   | 42,7    |
|                     |      |        | 4k Hz     | 40,1    |
|                     |      |        | 5k Hz     | 37,4    |
|                     |      |        | 6k3 Hz    | 35,2    |
|                     |      |        | 8k Hz     | 32,1    |
|                     |      |        | 10k Hz    | 28,1    |
|                     |      |        | 12k5 Hz   | 23,8    |
|                     |      |        | 16k Hz    | 23,0    |
|                     |      |        | 20k Hz    | 27,5    |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_E\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 74,8     | 42,6     | 53,7    | 57,9    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 20.34.30  
Run end 20-Dez-07 20.54.46  
Duration 0 00.20.16 46  
Last calibration 20-Dez-07 20.00.33  
Measurement range 35 - 110 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A007

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_E\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 20.55.05  
 Run end 20-Dez-07 21.05.16  
 Duration 0 00.10.11 22  
 Last calibration 20-Dez-07 20.00.33  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A007

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | --P-        | 1 Broadband | 60,0    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 26,6    |  |
|                     |             | 40 Hz       | 27,5    |  |
|                     |             | 50 Hz       | 29,4    |  |
|                     |             | 63 Hz       | 32,6    |  |
|                     |             | 80 Hz       | 35,7    |  |
|                     |             | 100 Hz      | 34,7    |  |
|                     |             | 125 Hz      | 34,9    |  |
|                     |             | 160 Hz      | 37,1    |  |
|                     |             | 200 Hz      | 38,7    |  |
|                     |             | 250 Hz      | 41,8    |  |
|                     |             | 315 Hz      | 42,7    |  |
|                     |             | 400 Hz      | 45,5    |  |
|                     |             | 500 Hz      | 48,6    |  |
|                     |             | 630 Hz      | 48,4    |  |
|                     |             | 800 Hz      | 50,2    |  |
|                     |             | 1k Hz       | 52,3    |  |
|                     |             | 1k25 Hz     | 52,1    |  |
|                     |             | 1k6 Hz      | 51,4    |  |
|                     |             | 2k Hz       | 50,3    |  |
|                     |             | 2k5 Hz      | 47,9    |  |
|                     |             | 3k15 Hz     | 45,2    |  |
|                     |             | 4k Hz       | 42,5    |  |
|                     |             | 5k Hz       | 38,5    |  |
|                     |             | 6k3 Hz      | 34,9    |  |
|                     |             | 8k Hz       | 33,7    |  |
|                     |             | 10k Hz      | 29,5    |  |
|                     |             | 12k5 Hz     | 25,2    |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_E\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 74,4     | 46,0     | 55,9    | 57,6    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 21.08.09  
Run end 20-Dez-07 21.28.38  
Duration 0 00.20.29 68  
Last calibration 20-Dez-07 20.00.33  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A008

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_E\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 21.28.54  
 Run end 20-Dez-07 21.39.49  
 Duration 0 00.10.55 80  
 Last calibration 20-Dez-07 20.00.33  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A008

| % time Flags Record |      |        | Band      | dB, (A) |
|---------------------|------|--------|-----------|---------|
| Overload            | OBPZ | Number | Leq       |         |
| 0,00                | --P- | 1      | Broadband | 54,0    |
|                     |      |        | 12 Hz     | 0,0     |
|                     |      |        | 16 Hz     | 0,0     |
|                     |      |        | 20 Hz     | 0,0     |
|                     |      |        | 25 Hz     | 0,0     |
|                     |      |        | 32 Hz     | 0,0     |
|                     |      |        | 40 Hz     | 0,0     |
|                     |      |        | 50 Hz     | 0,0     |
|                     |      |        | 63 Hz     | 26,9    |
|                     |      |        | 80 Hz     | 34,5    |
|                     |      |        | 100 Hz    | 34,7    |
|                     |      |        | 125 Hz    | 32,5    |
|                     |      |        | 160 Hz    | 34,6    |
|                     |      |        | 200 Hz    | 34,1    |
|                     |      |        | 250 Hz    | 34,2    |
|                     |      |        | 315 Hz    | 37,8    |
|                     |      |        | 400 Hz    | 40,7    |
|                     |      |        | 500 Hz    | 44,0    |
|                     |      |        | 630 Hz    | 44,2    |
|                     |      |        | 800 Hz    | 45,0    |
|                     |      |        | 1k Hz     | 45,6    |
|                     |      |        | 1k25 Hz   | 46,4    |
|                     |      |        | 1k6 Hz    | 45,8    |
|                     |      |        | 2k Hz     | 42,3    |
|                     |      |        | 2k5 Hz    | 38,2    |
|                     |      |        | 3k15 Hz   | 34,1    |
|                     |      |        | 4k Hz     | 30,8    |
|                     |      |        | 5k Hz     | 27,2    |
|                     |      |        | 6k3 Hz    | 0,0     |
|                     |      |        | 8k Hz     | 0,0     |
|                     |      |        | 10k Hz    | 0,0     |
|                     |      |        | 12k5 Hz   | 0,0     |
|                     |      |        | 16k Hz    | 0,0     |
|                     |      |        | 20k Hz    | 0,0     |



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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_E\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 74,5     | 41,6     | 52,2    | 54,0    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 22.20.39  
Run end 20-Dez-07 22.42.50  
Duration 0 00.22.11 32  
Last calibration 20-Dez-07 20.00.33  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A010

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_E\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 22.43.07  
 Run end 20-Dez-07 22.53.23  
 Duration 0 00.10.16 60  
 Last calibration 20-Dez-07 20.00.33  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

| % time Flags Record |             |   | Band      | dB, (A) |
|---------------------|-------------|---|-----------|---------|
| Overload            | OBPZ Number |   | Leq       |         |
| 0,00                | --P-        | 1 | Broadband | 49,7    |
|                     |             |   | 12 Hz     | 0,0     |
|                     |             |   | 16 Hz     | 0,0     |
|                     |             |   | 20 Hz     | 0,0     |
|                     |             |   | 25 Hz     | 0,0     |
|                     |             |   | 32 Hz     | 0,0     |
|                     |             |   | 40 Hz     | 0,0     |
|                     |             |   | 50 Hz     | 0,0     |
|                     |             |   | 63 Hz     | 24,9    |
|                     |             |   | 80 Hz     | 30,4    |
|                     |             |   | 100 Hz    | 26,6    |
|                     |             |   | 125 Hz    | 28,9    |
|                     |             |   | 160 Hz    | 28,2    |
|                     |             |   | 200 Hz    | 27,8    |
|                     |             |   | 250 Hz    | 29,2    |
|                     |             |   | 315 Hz    | 30,4    |
|                     |             |   | 400 Hz    | 33,0    |
|                     |             |   | 500 Hz    | 37,0    |
|                     |             |   | 630 Hz    | 40,2    |
|                     |             |   | 800 Hz    | 41,6    |
|                     |             |   | 1k Hz     | 42,0    |
|                     |             |   | 1k25 Hz   | 42,2    |
|                     |             |   | 1k6 Hz    | 41,8    |
|                     |             |   | 2k Hz     | 38,2    |
|                     |             |   | 2k5 Hz    | 34,6    |
|                     |             |   | 3k15 Hz   | 29,8    |
|                     |             |   | 4k Hz     | 25,9    |
|                     |             |   | 5k Hz     | 0,0     |
|                     |             |   | 6k3 Hz    | 0,0     |
|                     |             |   | 8k Hz     | 0,0     |
|                     |             |   | 10k Hz    | 0,0     |
|                     |             |   | 12k5 Hz   | 0,0     |
|                     |             |   | 16k Hz    | 0,0     |
|                     |             |   | 20k Hz    | 0,0     |

Notes

Run ID: A010

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_E\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 74,9     | 49,1     | 53,7    | 54,9    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 21.44.50  
Run end 20-Dez-07 22.05.53  
Duration 0 00.21.03 40  
Last calibration 20-Dez-07 20.00.33  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A009

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_E\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 22.06.08  
 Run end 20-Dez-07 22.17.07  
 Duration 0 00.10.59 72  
 Last calibration 20-Dez-07 20.00.33  
 Measurement range 25 - 100 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A009

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | --P-        | 1 Broadband | 54,0    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 0,0     |  |
|                     |             | 63 Hz       | 30,3    |  |
|                     |             | 80 Hz       | 34,3    |  |
|                     |             | 100 Hz      | 33,6    |  |
|                     |             | 125 Hz      | 35,5    |  |
|                     |             | 160 Hz      | 37,2    |  |
|                     |             | 200 Hz      | 37,5    |  |
|                     |             | 250 Hz      | 38,1    |  |
|                     |             | 315 Hz      | 38,9    |  |
|                     |             | 400 Hz      | 41,1    |  |
|                     |             | 500 Hz      | 42,8    |  |
|                     |             | 630 Hz      | 42,7    |  |
|                     |             | 800 Hz      | 43,4    |  |
|                     |             | 1k Hz       | 47,2    |  |
|                     |             | 1k25 Hz     | 46,3    |  |
|                     |             | 1k6 Hz      | 43,9    |  |
|                     |             | 2k Hz       | 41,5    |  |
|                     |             | 2k5 Hz      | 40,0    |  |
|                     |             | 3k15 Hz     | 37,7    |  |
|                     |             | 4k Hz       | 35,0    |  |
|                     |             | 5k Hz       | 32,0    |  |
|                     |             | 6k3 Hz      | 28,9    |  |
|                     |             | 8k Hz       | 24,8    |  |
|                     |             | 10k Hz      | 0,0     |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_N\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | O-P-  | 85,8     | 28,1     | 42,6    | 56,6    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 23.08.11  
Run end 20-Dez-07 23.29.29  
Duration 0 00.21.18 50  
Last calibration 20-Dez-07 23.07.35  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred Yes  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A011

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P1\_N\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 20-Dez-07 23.30.14  
 Run end 20-Dez-07 23.40.30  
 Duration 0 00.10.16 6  
 Last calibration 20-Dez-07 23.07.35  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A011

Cumulative period results

| % time   | Flags | Record | Band      | dB, (A) |
|----------|-------|--------|-----------|---------|
| Overload | OBPZ  | Number | Leq       |         |
| 0,00     | --P-  | 1      | Broadband | 28,9    |
|          |       |        | 12 Hz     | 0,0     |
|          |       |        | 16 Hz     | 0,0     |
|          |       |        | 20 Hz     | 0,0     |
|          |       |        | 25 Hz     | 0,0     |
|          |       |        | 32 Hz     | 0,0     |
|          |       |        | 40 Hz     | 0,0     |
|          |       |        | 50 Hz     | 0,0     |
|          |       |        | 63 Hz     | 0,0     |
|          |       |        | 80 Hz     | 0,0     |
|          |       |        | 100 Hz    | 0,0     |
|          |       |        | 125 Hz    | 0,0     |
|          |       |        | 160 Hz    | 0,0     |
|          |       |        | 200 Hz    | 0,0     |
|          |       |        | 250 Hz    | 0,0     |
|          |       |        | 315 Hz    | 0,0     |
|          |       |        | 400 Hz    | 17,9    |
|          |       |        | 500 Hz    | 21,9    |
|          |       |        | 630 Hz    | 23,2    |
|          |       |        | 800 Hz    | 21,9    |
|          |       |        | 1k Hz     | 17,9    |
|          |       |        | 1k25 Hz   | 0,0     |
|          |       |        | 1k6 Hz    | 0,0     |
|          |       |        | 2k Hz     | 0,0     |
|          |       |        | 2k5 Hz    | 0,0     |
|          |       |        | 3k15 Hz   | 0,0     |
|          |       |        | 4k Hz     | 0,0     |
|          |       |        | 5k Hz     | 0,0     |
|          |       |        | 6k3 Hz    | 0,0     |
|          |       |        | 8k Hz     | 0,0     |
|          |       |        | 10k Hz    | 0,0     |
|          |       |        | 12k5 Hz   | 0,0     |
|          |       |        | 16k Hz    | 0,0     |
|          |       |        | 20k Hz    | 0,0     |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_N\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 81,4     | 37,9     | 53,7    | 58,9    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 20-Dez-07 23.48.07  
Run end 21-Dez-07 00.09.09  
Duration 0 00.21.02 52  
Last calibration 20-Dez-07 23.07.35  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A012

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P2\_N\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 21-Dez-07 00.09.25  
 Run end 21-Dez-07 00.20.07  
 Duration 0 00.10.42 92  
 Last calibration 20-Dez-07 23.07.35  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3  
  
 Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
  
 Events enabled No  
  
 Overload occurred Yes  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A001

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | O-P-        | 1 Broadband | 51,4    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 19,8    |  |
|                     |             | 50 Hz       | 18,2    |  |
|                     |             | 63 Hz       | 26,8    |  |
|                     |             | 80 Hz       | 26,5    |  |
|                     |             | 100 Hz      | 25,5    |  |
|                     |             | 125 Hz      | 29,3    |  |
|                     |             | 160 Hz      | 30,3    |  |
|                     |             | 200 Hz      | 32,3    |  |
|                     |             | 250 Hz      | 35,2    |  |
|                     |             | 315 Hz      | 35,6    |  |
|                     |             | 400 Hz      | 36,0    |  |
|                     |             | 500 Hz      | 39,5    |  |
|                     |             | 630 Hz      | 41,4    |  |
|                     |             | 800 Hz      | 43,9    |  |
|                     |             | 1k Hz       | 45,1    |  |
|                     |             | 1k25 Hz     | 43,1    |  |
|                     |             | 1k6 Hz      | 41,4    |  |
|                     |             | 2k Hz       | 37,9    |  |
|                     |             | 2k5 Hz      | 36,0    |  |
|                     |             | 3k15 Hz     | 35,1    |  |
|                     |             | 4k Hz       | 33,2    |  |
|                     |             | 5k Hz       | 28,8    |  |
|                     |             | 6k3 Hz      | 26,9    |  |
|                     |             | 8k Hz       | 22,5    |  |
|                     |             | 10k Hz      | 18,0    |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |



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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_N\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | --P-  | 67,4     | 39,6     | 51,3    | 52,7    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 21-Dez-07 00.22.38  
Run end 21-Dez-07 00.42.53  
Duration 0 00.20.15 86  
Last calibration 20-Dez-07 23.07.35  
Measurement range 25 - 100 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred No  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A001

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P3\_N\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 21-Dez-07 00.43.11  
 Run end 21-Dez-07 00.53.33  
 Duration 0 00.10.22 38  
 Last calibration 20-Dez-07 23.07.35  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A002

| % time Flags Record |      |        | Band      | dB, (A) |
|---------------------|------|--------|-----------|---------|
| Overload            | OBPZ | Number | Leq       |         |
| 0,00                | --P- | 1      | Broadband | 51,7    |
|                     |      |        | 12 Hz     | 0,0     |
|                     |      |        | 16 Hz     | 0,0     |
|                     |      |        | 20 Hz     | 0,0     |
|                     |      |        | 25 Hz     | 0,0     |
|                     |      |        | 32 Hz     | 0,0     |
|                     |      |        | 40 Hz     | 0,0     |
|                     |      |        | 50 Hz     | 18,6    |
|                     |      |        | 63 Hz     | 26,3    |
|                     |      |        | 80 Hz     | 29,5    |
|                     |      |        | 100 Hz    | 30,4    |
|                     |      |        | 125 Hz    | 30,4    |
|                     |      |        | 160 Hz    | 29,1    |
|                     |      |        | 200 Hz    | 30,4    |
|                     |      |        | 250 Hz    | 31,1    |
|                     |      |        | 315 Hz    | 35,3    |
|                     |      |        | 400 Hz    | 37,6    |
|                     |      |        | 500 Hz    | 40,7    |
|                     |      |        | 630 Hz    | 41,9    |
|                     |      |        | 800 Hz    | 43,2    |
|                     |      |        | 1k Hz     | 43,6    |
|                     |      |        | 1k25 Hz   | 44,4    |
|                     |      |        | 1k6 Hz    | 43,8    |
|                     |      |        | 2k Hz     | 39,7    |
|                     |      |        | 2k5 Hz    | 35,4    |
|                     |      |        | 3k15 Hz   | 30,9    |
|                     |      |        | 4k Hz     | 27,4    |
|                     |      |        | 5k Hz     | 24,4    |
|                     |      |        | 6k3 Hz    | 20,6    |
|                     |      |        | 8k Hz     | 17,2    |
|                     |      |        | 10k Hz    | 0,0     |
|                     |      |        | 12k5 Hz   | 0,0     |
|                     |      |        | 16k Hz    | 0,0     |
|                     |      |        | 20k Hz    | 0,0     |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_N\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | O-P-  | 67,1     | 38,8     | 50,5    | 52,2    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 21-Dez-07 00.57.08  
Run end 21-Dez-07 01.17.24  
Duration 0 00.20.16 2  
Last calibration 20-Dez-07 23.07.35  
Measurement range 5 - 80 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred Yes  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A002

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P4\_N\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 21-Dez-07 01.17.42  
 Run end 21-Dez-07 01.28.40  
 Duration 0 00.10.58 34  
 Last calibration 20-Dez-07 23.07.35  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred Yes  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A003

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | O-P-        | 1 Broadband | 50,5    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 14,6    |  |
|                     |             | 50 Hz       | 20,1    |  |
|                     |             | 63 Hz       | 24,2    |  |
|                     |             | 80 Hz       | 30,0    |  |
|                     |             | 100 Hz      | 28,9    |  |
|                     |             | 125 Hz      | 29,1    |  |
|                     |             | 160 Hz      | 29,3    |  |
|                     |             | 200 Hz      | 30,8    |  |
|                     |             | 250 Hz      | 33,7    |  |
|                     |             | 315 Hz      | 34,0    |  |
|                     |             | 400 Hz      | 35,0    |  |
|                     |             | 500 Hz      | 37,2    |  |
|                     |             | 630 Hz      | 39,5    |  |
|                     |             | 800 Hz      | 41,5    |  |
|                     |             | 1k Hz       | 43,0    |  |
|                     |             | 1k25 Hz     | 43,0    |  |
|                     |             | 1k6 Hz      | 42,7    |  |
|                     |             | 2k Hz       | 40,4    |  |
|                     |             | 2k5 Hz      | 36,1    |  |
|                     |             | 3k15 Hz     | 33,6    |  |
|                     |             | 4k Hz       | 29,8    |  |
|                     |             | 5k Hz       | 27,2    |  |
|                     |             | 6k3 Hz      | 25,3    |  |
|                     |             | 8k Hz       | 21,4    |  |
|                     |             | 10k Hz      | 17,9    |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |

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Cumulative period results

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_N\_BB.DTA

| % time   | Flags | dB, (A)  | dB, (A)  | dB, (A) | dB, (A) |
|----------|-------|----------|----------|---------|---------|
| Overload | OBPZ  | SPLMAX I | SPLMIN I | Leq     | LeqI    |
| 0,00     | O-P-  | 73,0     | 48,6     | 53,0    | 54,4    |

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
Instrument ID (DPB) 042170  
Run Mode Broadband Environmental  
Run start 21-Dez-07 01.31.07  
Run end 21-Dez-07 01.51.45  
Duration 0 00.20.38 62  
Last calibration 20-Dez-07 23.07.35  
Measurement range 15 - 90 dB  
Microphone response Free Field  
Polarizing voltage Off  
Time weighting I  
Frequency weighting L, A  
Exchange rate (Q) 3

Period time 5 min  
Periods too short for LNs No  
Profiles recorded No  
Profile sample interval 1 s  
Number of records 4

Events enabled No  
Overload occurred Yes  
Low battery occurred No  
Pause was used Yes

Notes

Run ID: A003

T:\PESSOAS\RICARDO\SERZEDELO\_RUIDO\P5\_N\_TO.DTA

Run Summary

Instrument CEL-573.C1 Version 7.21 Type 1  
 Instrument ID (DPB) 042170  
 Run Mode Third-octave band Environmental  
 Run start 21-Dez-07 01.51.56  
 Run end 21-Dez-07 02.02.05  
 Duration 0 00.10.09 14  
 Last calibration 20-Dez-07 23.07.35  
 Measurement range 15 - 90 dB  
 Microphone response Free Field  
 Polarizing voltage Off  
 Time weighting F  
 Frequency weighting A, L  
 Exchange rate (Q) 3

Period time 5 min  
 Periods too short for LNs No  
 Profiles recorded No  
 Profile sample interval 1 s  
 Number of records 2  
 Events enabled No  
 Overload occurred No  
 Low battery occurred No  
 Pause was used Yes

Notes

Run ID: A004

Cumulative period results

| % time Flags Record |             |             | dB, (A) |  |
|---------------------|-------------|-------------|---------|--|
| Overload            | OBPZ Number | Band        | Leq     |  |
| 0,00                | --P-        | 1 Broadband | 51,7    |  |
|                     |             | 12 Hz       | 0,0     |  |
|                     |             | 16 Hz       | 0,0     |  |
|                     |             | 20 Hz       | 0,0     |  |
|                     |             | 25 Hz       | 0,0     |  |
|                     |             | 32 Hz       | 0,0     |  |
|                     |             | 40 Hz       | 0,0     |  |
|                     |             | 50 Hz       | 22,1    |  |
|                     |             | 63 Hz       | 28,1    |  |
|                     |             | 80 Hz       | 29,0    |  |
|                     |             | 100 Hz      | 30,6    |  |
|                     |             | 125 Hz      | 32,5    |  |
|                     |             | 160 Hz      | 34,0    |  |
|                     |             | 200 Hz      | 34,1    |  |
|                     |             | 250 Hz      | 35,3    |  |
|                     |             | 315 Hz      | 36,6    |  |
|                     |             | 400 Hz      | 38,0    |  |
|                     |             | 500 Hz      | 38,7    |  |
|                     |             | 630 Hz      | 40,2    |  |
|                     |             | 800 Hz      | 41,1    |  |
|                     |             | 1k Hz       | 46,0    |  |
|                     |             | 1k25 Hz     | 44,2    |  |
|                     |             | 1k6 Hz      | 40,5    |  |
|                     |             | 2k Hz       | 38,9    |  |
|                     |             | 2k5 Hz      | 38,7    |  |
|                     |             | 3k15 Hz     | 37,0    |  |
|                     |             | 4k Hz       | 34,6    |  |
|                     |             | 5k Hz       | 31,6    |  |
|                     |             | 6k3 Hz      | 28,1    |  |
|                     |             | 8k Hz       | 23,6    |  |
|                     |             | 10k Hz      | 18,8    |  |
|                     |             | 12k5 Hz     | 0,0     |  |
|                     |             | 16k Hz      | 0,0     |  |
|                     |             | 20k Hz      | 0,0     |  |