

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

PROGETTO DEFINITIVO

LINEA AV/AC VERONA - PADOVA SUB TRATTA VERONA – VICENZA 1° SUB LOTTO VERONA- MONTEBELLO VICENTINO

SCHEDE

RUMORE: MONITORAGGIO ACUSTICO-MISURE
DI CARATTERIZZAZIONE DELLA SORGENTE

SCHEDE: SCHEDE DI MISURA – PS01

| | | | | |
|--|--------------------------------------|-----------------|--|--------|
| GENERAL CONTRACTOR | | ITALFERR S.p.A. | | SCALA: |
| ATI bonifica Progettista integratore Franco Persio Bocchetto Dottore in Ingegneria Civile iscritto all'Ordine degli Ingegneri della Provincia di Roma al n° 8664 – Sez. A settore Civile ed Ambientale | Consorzio IRICAV DUE Il direttore | | | - |

COMMESSA LOTTO FASE ENTE TIPO DOC. OPERA/DISCIPLINA PROGR. REV.

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I | N | O | D | 0 | 0 | D | I | 2 | R | H | A | R | 0 | 0 | 0 | 2 | 0 | 0 | 2 | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | |
|---------------------|----------------------|-------------|
| ATI bonifica | VISTO ATI BONIFICA | |
| | Firma | Data |
| | Ing. F. P. Bocchetto | Maggio 2015 |

Programmazione

| Rev. | Descrizione | Redatto | Data | Verificato | Data | Approvato | Data | Autorizzato |
|------|-------------|--------------|----------|------------|----------|-----------|----------|------------------------------------|
| A | EMISSIONE | La Francesca | Mag 2015 | Serpi | Mag 2015 | Abrami | Mag 2015 | Ing. T. Bastianello Maggio 2015 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | |
|---------------------------------|---------------------|-----------|
| File: INOD00DI2RHAR0002002A_02A | CUP: J41E9100000009 | n. Elab.: |
| | CIG: 3320049F17 | |

| | | | | | |
|---------------------|---|-------------------|----------|---------------------|---|
| Tipo rilievo: | Monitoraggio acustico in ambiente esterno | | | Punto di misura: | PS01 |
| Regione: | Lombardia | Provincia: | Lodi | Comune: | Somaglia |
| Localizzazione: | km 34+400 Lina A.V./A.C. Milano - Bologna (Galleria Somaglia) | | | | |
| Descrizione: | Distanza 25 m – Altezza pari a 3,50 m sul p.f. | | | | |
| Data inizio misura: | 19.11.14 | Data fine misura: | 20.11.14 | Tecnico competente: | Ing. Tiziana Bastianello Regione Lazio n. 20 |
| Ora inizio misura: | 8:00:00 | Ora fine misura: | 14:00:00 | | |



ELABORAZIONE ACUSTICA – DATI NORMALIZZATI

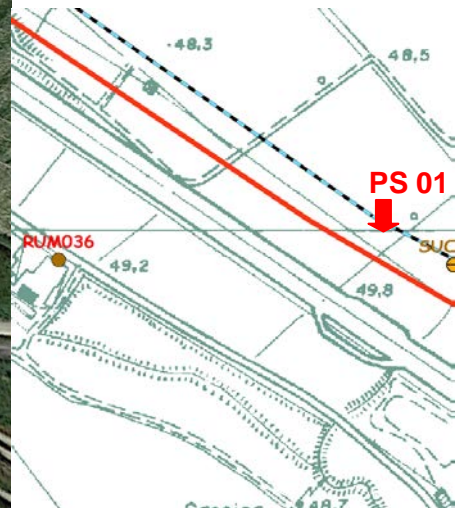
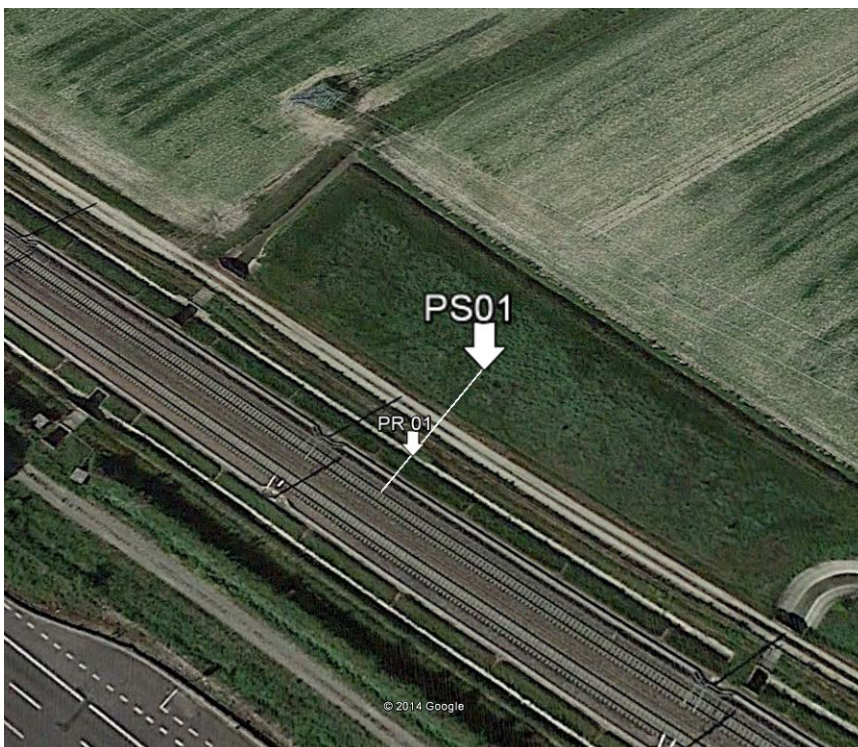
| | SEL(-10) | Leq(-10) | Treni | V _{RIF} [km/h] |
|---------------------|----------|----------|-------|-------------------------|
| RFI - Freccia Rossa | 99,6 | 92,6 | 69 | 250 |
| NTV - Italo | 98,4 | 92,5 | 30 | 250 |

NOTE:

SINTESI PARAMETRI METEO

| | Min | Max |
|---------------------|---------|------|
| Temperatura [°C] | 5,6 | 11,9 |
| Umidità [%] | 75 | 89 |
| Vento [m/s] | 0 | 2,2 |
| Pioggia [mm] | 0 | |
| Direzione Vento [°] | W - WNW | |

UBICAZIONE PUNTO DI MISURA



POSTAZIONE DI MISURA PS01

RILIEVI FONOMETRICI DEL 19/11/2014

Punto: PS01

Localizzazione: km 34+400 Linea A.V./A.C. Milano - Bologna (Comune di Somaglia provincia Lodi)

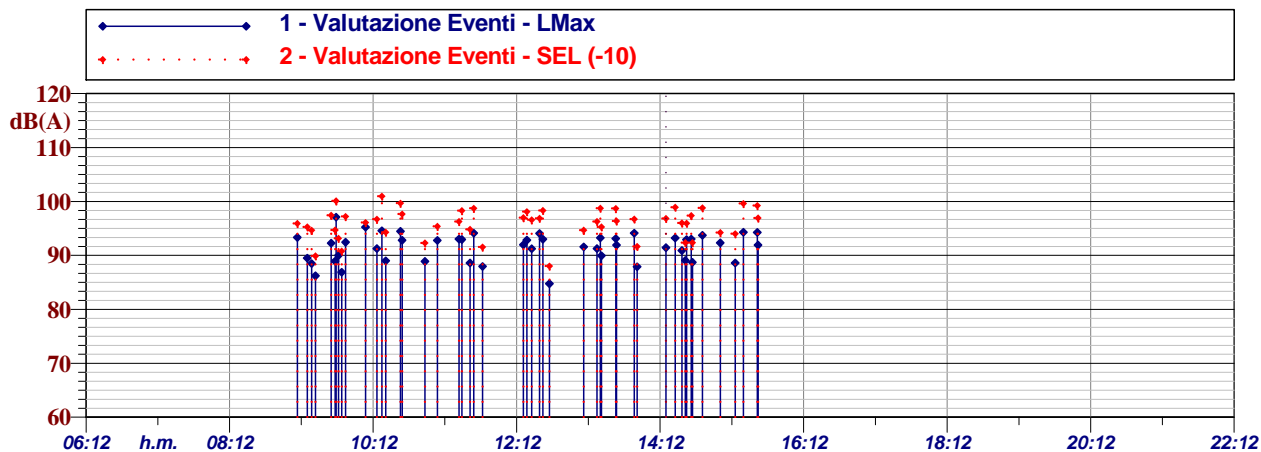
Data inizio: 19.11.2014 Ora inizio: 9:00:00 Data fine: 20.11.2014 Ora inizio: 14:00:00

Strumentazione: Larson Davis LXT n. 2877 - Certificato Taratura n. 146/6681 del 12/02/2014 Centro SIT n. 146

Descrizione: distanza di 25 m dal binario più prossimo - Altezza di 3,5 m dal piano del ferro

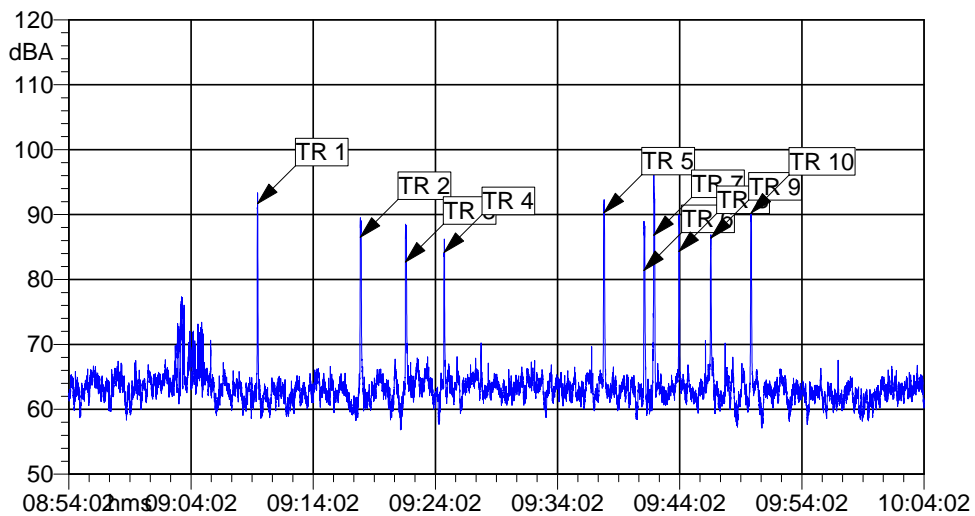
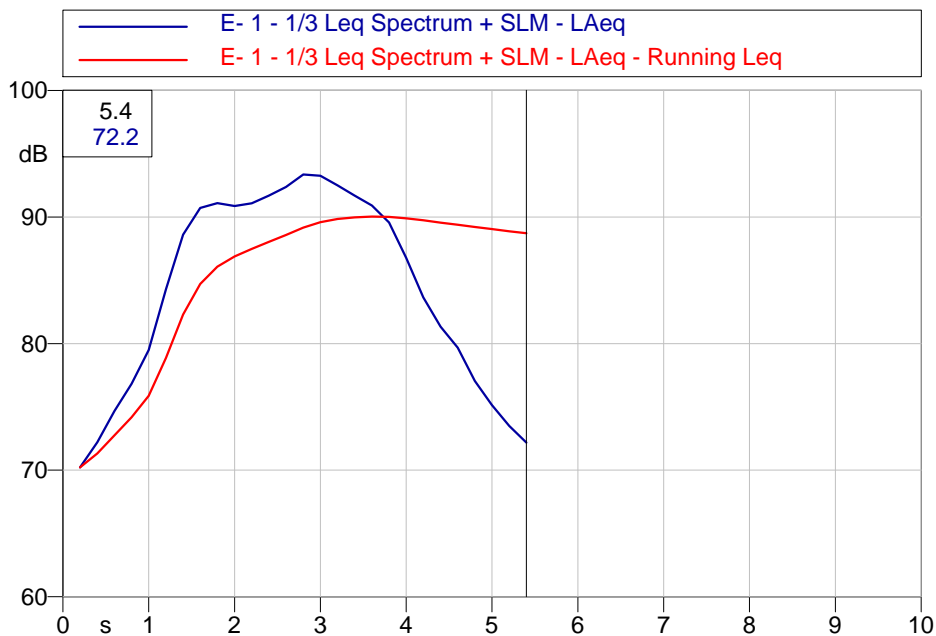
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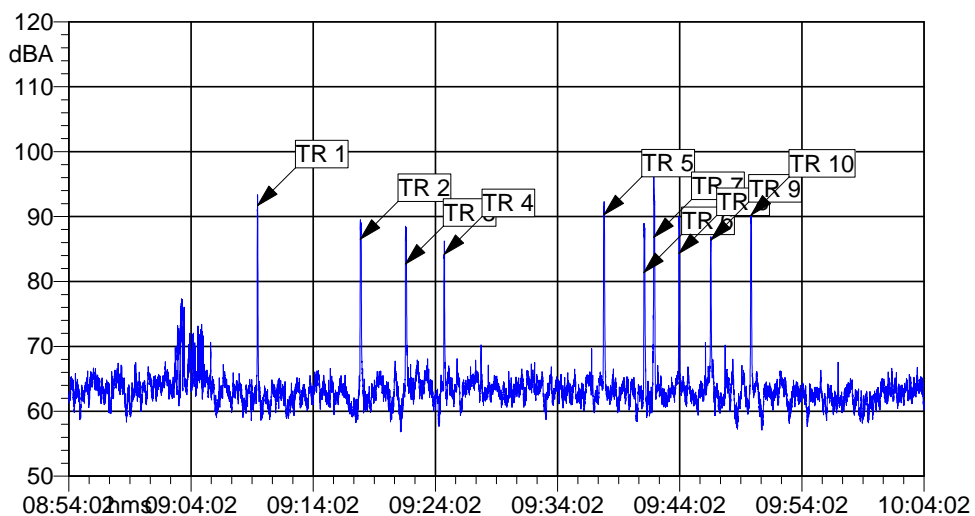
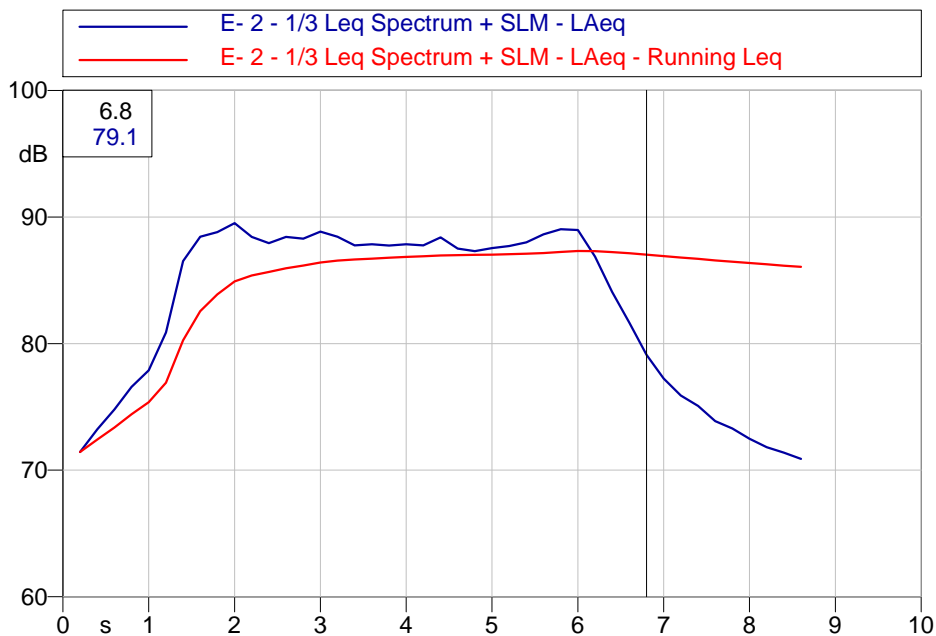
Valutazione Acustica Eventi - Misura del 19/11/2014



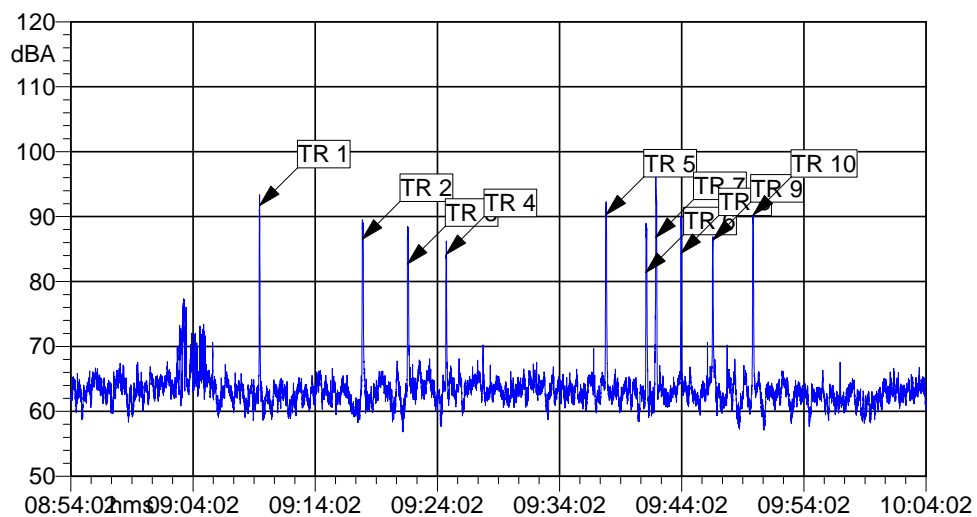
| Valutazione Eventi SEL (-10) | | | |
|------------------------------|----------|----------|---------|
| h.m. | dB(A) | h.m. | dB(A) |
| 09:09:26 | 95.9 dB | 13:20:05 | 96.3 dB |
| 09:17:51 | 95.3 dB | 13:22:53 | 98.8 dB |
| 09:21:34 | 94.7 dB | 13:23:43 | 95.3 dB |
| 09:24:43 | 89.9 dB | 13:35:47 | 98.7 dB |
| 09:37:47 | 97.5 dB | 13:36:24 | 96.4 dB |
| 09:41:04 | 94.7 dB | 13:51:11 | 96.7 dB |
| 09:41:52 | 100.1 dB | 13:53:37 | 91.7 dB |
| 09:43:56 | 93.2 dB | 14:17:47 | 96.9 dB |
| 09:46:32 | 90.8 dB | 14:25:24 | 98.9 dB |
| 09:49:48 | 97.2 dB | 14:31:01 | 96.0 dB |
| 10:06:34 | 96.1 dB | 14:33:59 | 92.4 dB |
| 10:16:02 | 96.7 dB | 14:34:53 | 95.9 dB |
| 10:20:08 | 101.0 dB | 14:38:54 | 97.4 dB |
| 10:23:31 | 94.3 dB | 14:39:50 | 92.4 dB |
| 10:35:43 | 99.7 dB | 14:48:13 | 98.8 dB |
| 10:37:07 | 97.7 dB | 15:03:06 | 94.3 dB |
| 10:56:13 | 92.3 dB | 15:15:36 | 94.0 dB |
| 11:06:32 | 95.4 dB | 15:22:29 | 99.6 dB |
| 11:24:38 | 96.3 dB | 15:34:09 | 99.2 dB |
| 11:27:06 | 98.3 dB | 15:34:47 | 96.9 dB |
| 11:33:55 | 94.8 dB | | |
| 11:37:04 | 98.7 dB | | |
| 11:44:20 | 91.5 dB | | |
| 12:18:29 | 97.0 dB | | |
| 12:21:26 | 98.1 dB | | |
| 12:25:26 | 96.6 dB | | |
| 12:32:02 | 96.9 dB | | |
| 12:34:50 | 98.3 dB | | |
| 12:40:18 | 88.0 dB | | |
| 13:09:00 | 94.7 dB | | |

| Valutazione Eventi LMax | | | |
|-------------------------|---------|----------|---------|
| h.m. | dB(A) | h.m. | dB(A) |
| 09:09:26 | 93.4 dB | 13:20:05 | 91.3 dB |
| 09:17:51 | 89.5 dB | 13:22:53 | 93.3 dB |
| 09:21:34 | 88.5 dB | 13:23:43 | 90.0 dB |
| 09:24:43 | 86.2 dB | 13:35:47 | 93.1 dB |
| 09:37:47 | 92.3 dB | 13:36:24 | 91.9 dB |
| 09:41:04 | 89.0 dB | 13:51:11 | 94.1 dB |
| 09:41:52 | 97.1 dB | 13:53:37 | 87.9 dB |
| 09:43:56 | 90.0 dB | 14:17:47 | 91.4 dB |
| 09:46:32 | 86.9 dB | 14:25:24 | 93.2 dB |
| 09:49:48 | 92.4 dB | 14:31:01 | 90.9 dB |
| 10:06:34 | 95.3 dB | 14:33:59 | 89.1 dB |
| 10:16:02 | 91.3 dB | 14:34:53 | 92.9 dB |
| 10:20:08 | 94.6 dB | 14:38:54 | 93.0 dB |
| 10:23:31 | 89.0 dB | 14:39:50 | 88.7 dB |
| 10:35:43 | 94.5 dB | 14:48:13 | 93.7 dB |
| 10:37:07 | 92.8 dB | 15:03:06 | 92.3 dB |
| 10:56:13 | 88.9 dB | 15:15:36 | 88.6 dB |
| 11:06:32 | 92.8 dB | 15:22:29 | 94.3 dB |
| 11:24:38 | 93.0 dB | 15:34:09 | 94.3 dB |
| 11:27:06 | 93.0 dB | 15:34:47 | 91.9 dB |
| 11:33:55 | 88.6 dB | | |
| 11:37:04 | 94.1 dB | | |
| 11:44:20 | 88.0 dB | | |
| 12:18:29 | 92.0 dB | | |
| 12:21:26 | 92.9 dB | | |
| 12:25:26 | 91.3 dB | | |
| 12:32:02 | 94.1 dB | | |
| 12:34:50 | 93.0 dB | | |
| 12:40:18 | 84.8 dB | | |
| 13:09:00 | 91.6 dB | | |

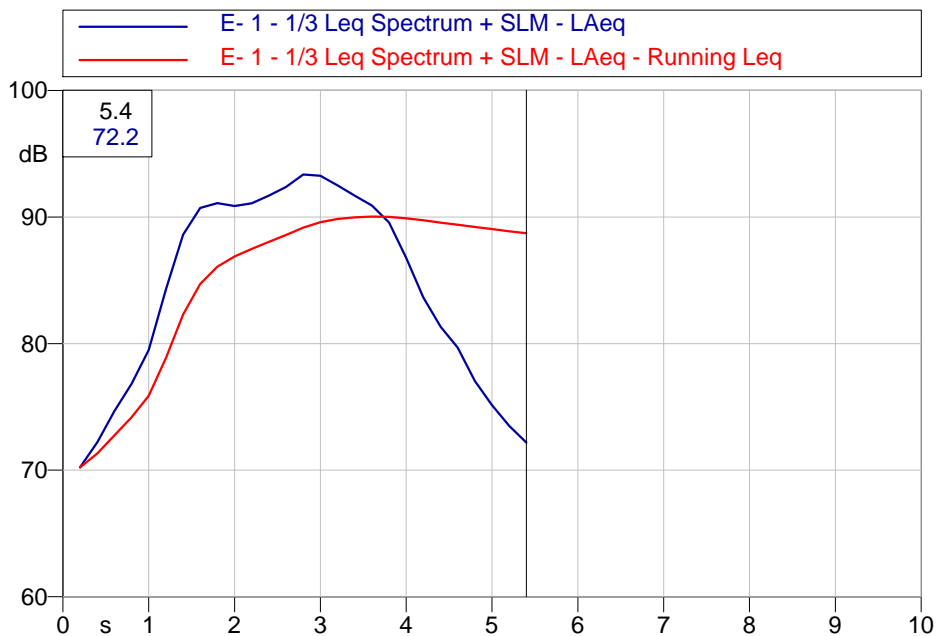
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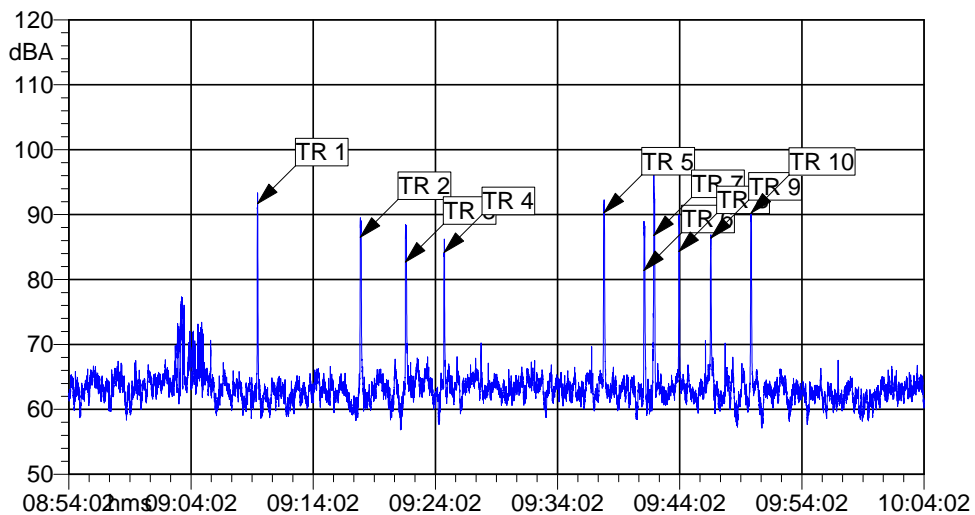
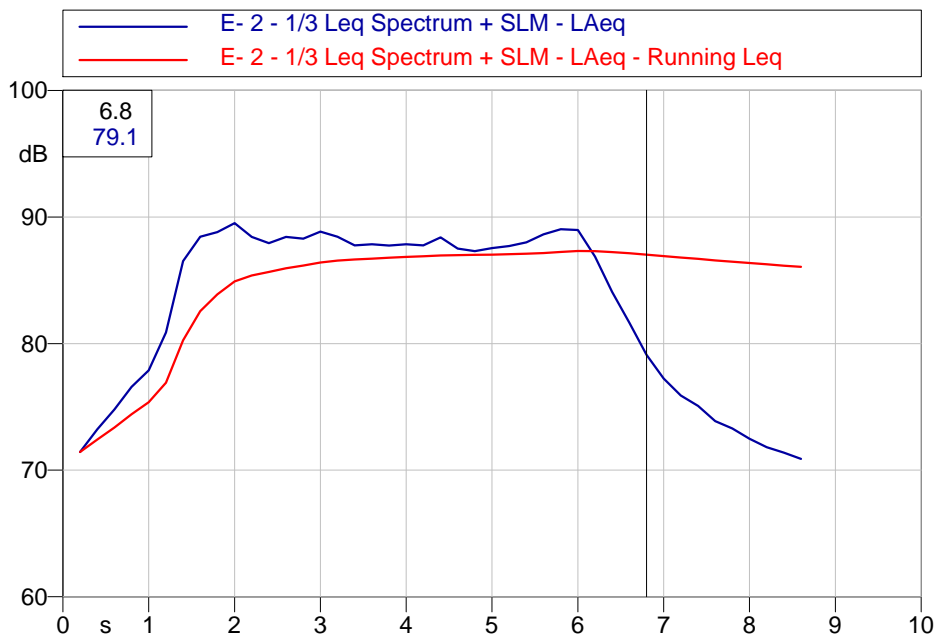
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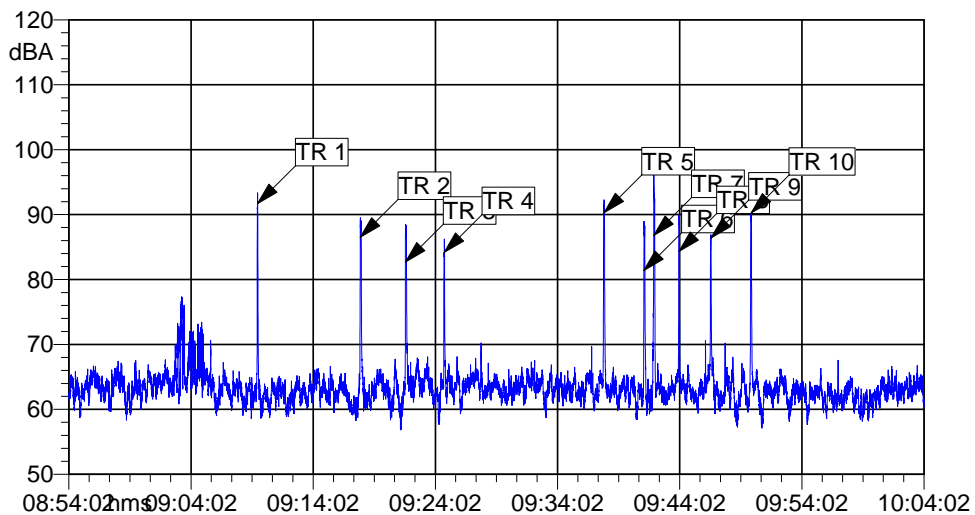
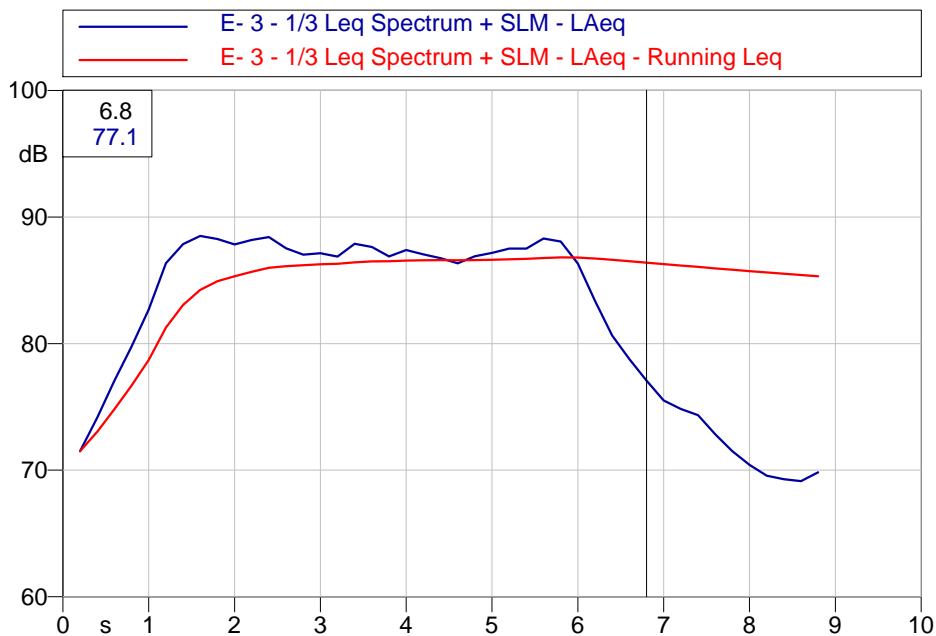
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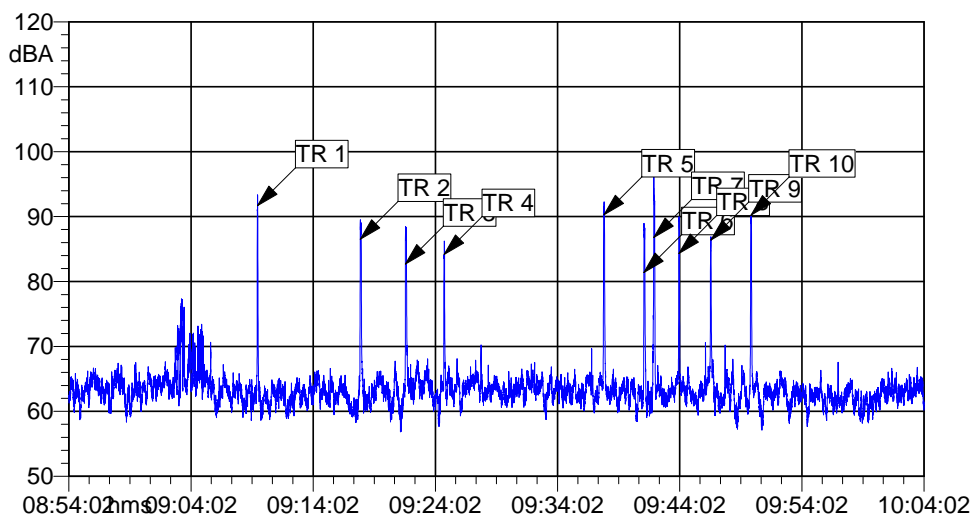
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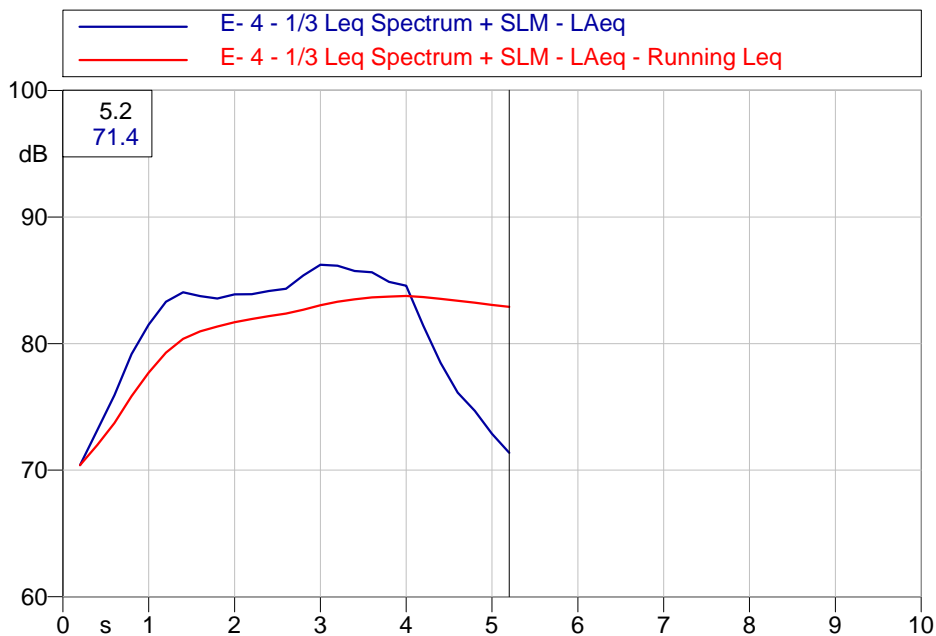
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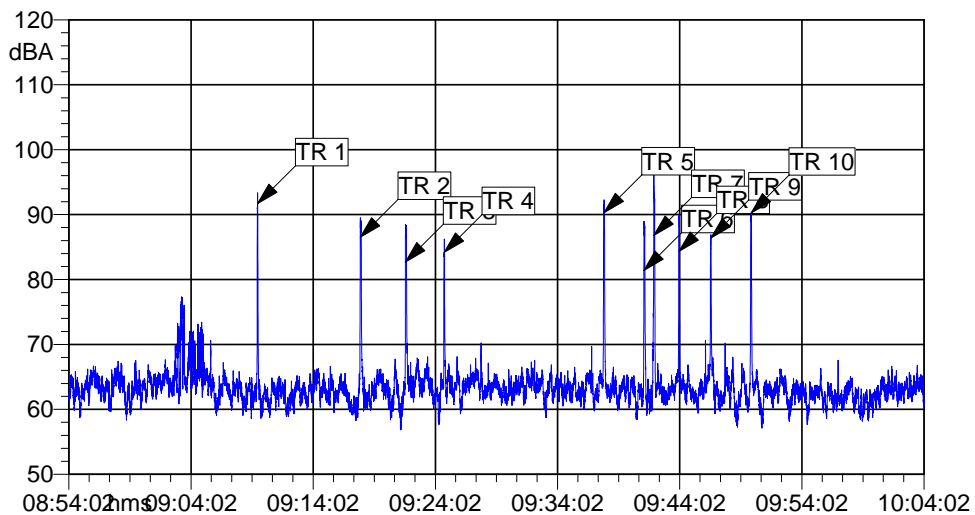
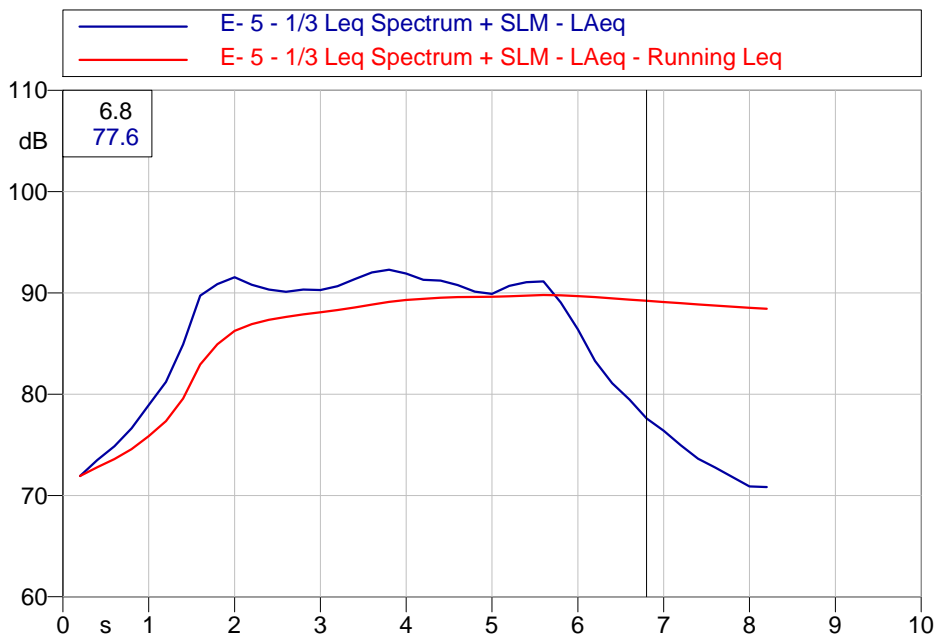
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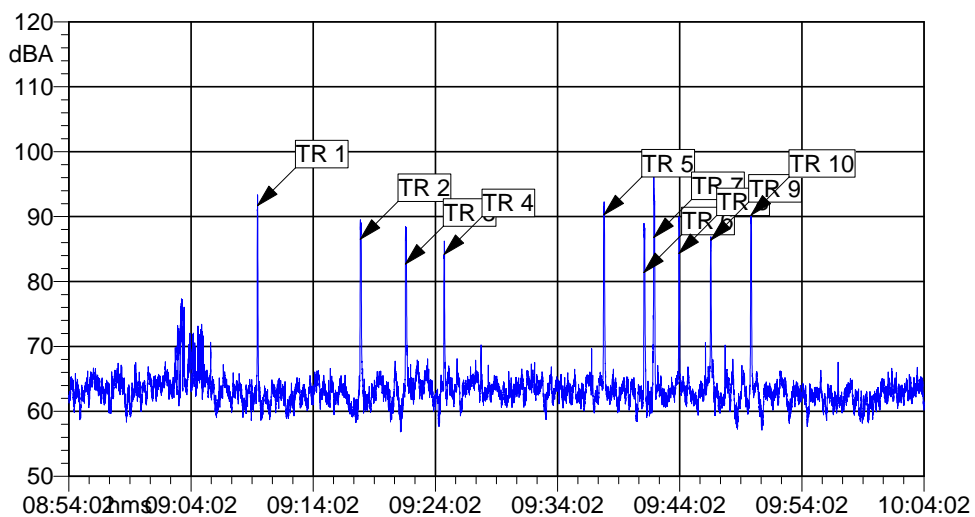
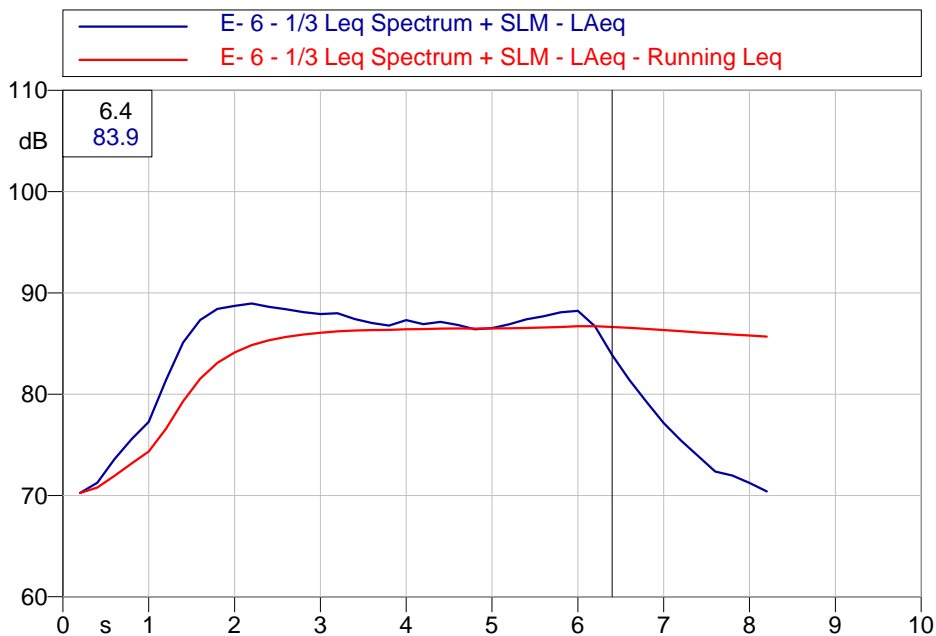
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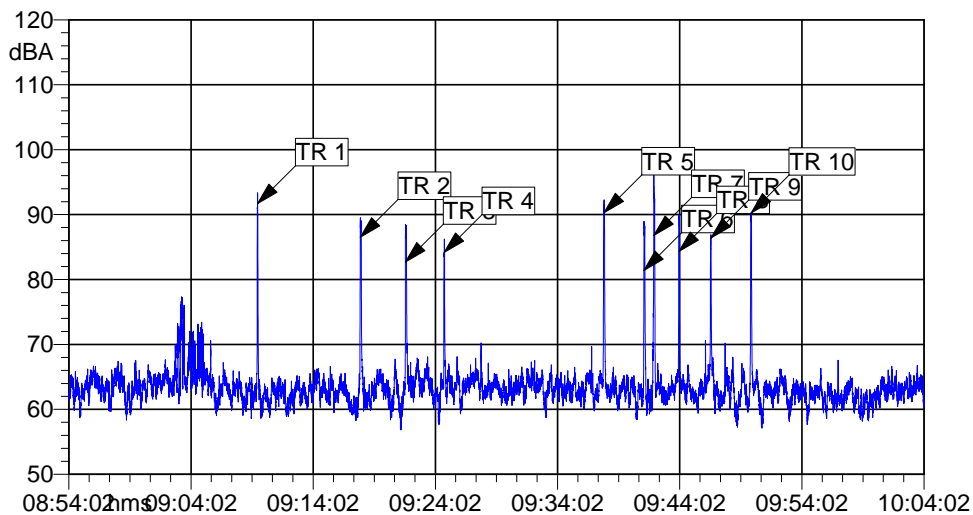
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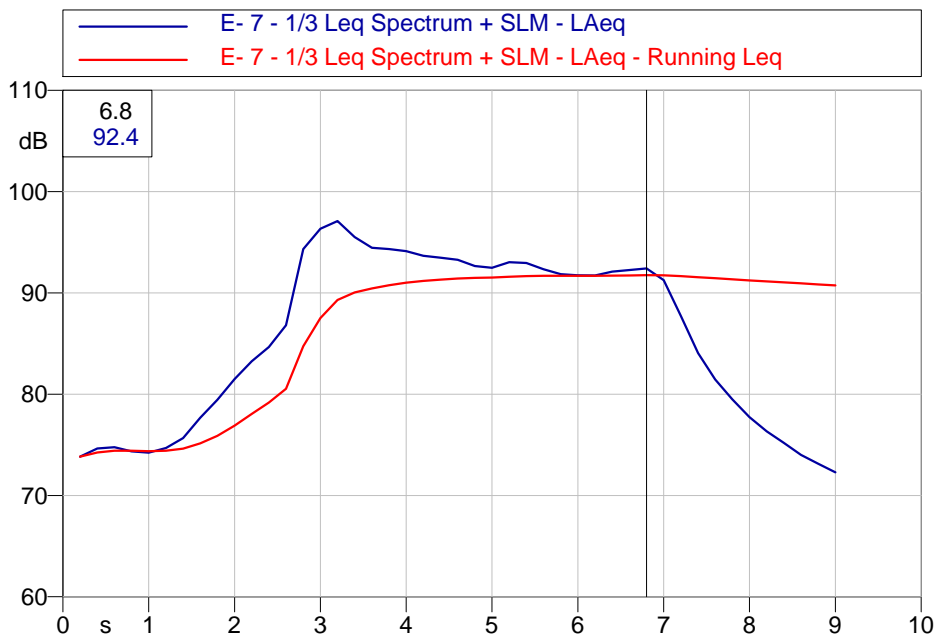
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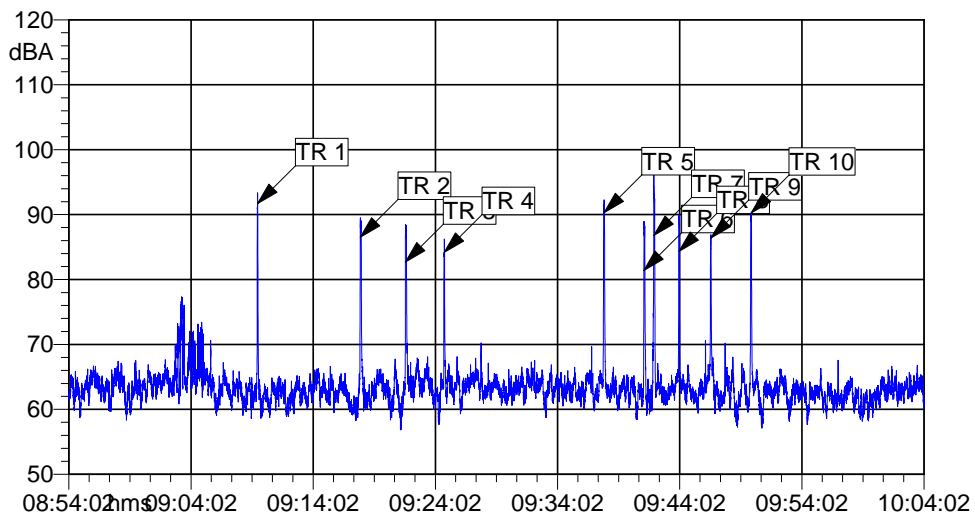
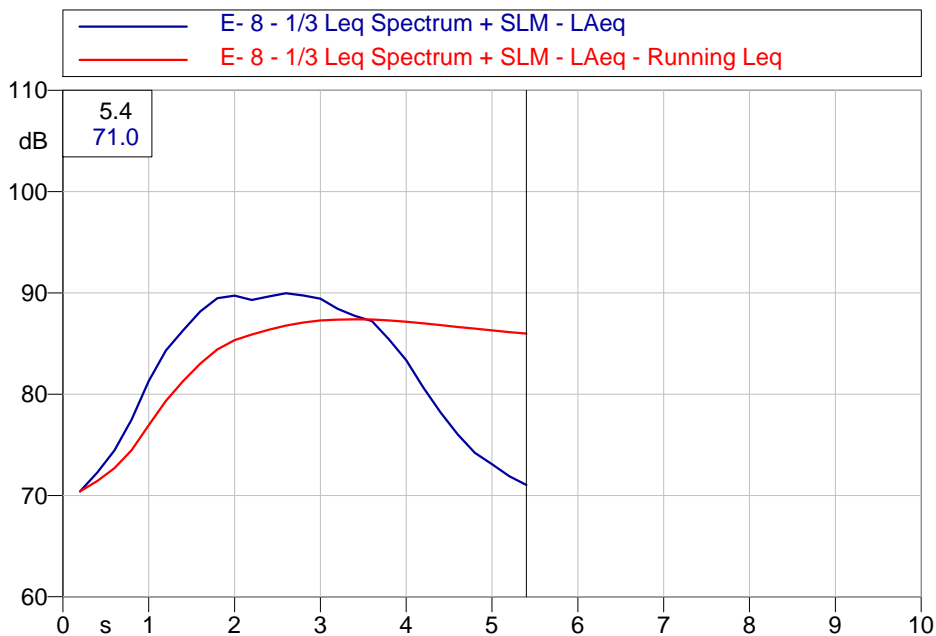
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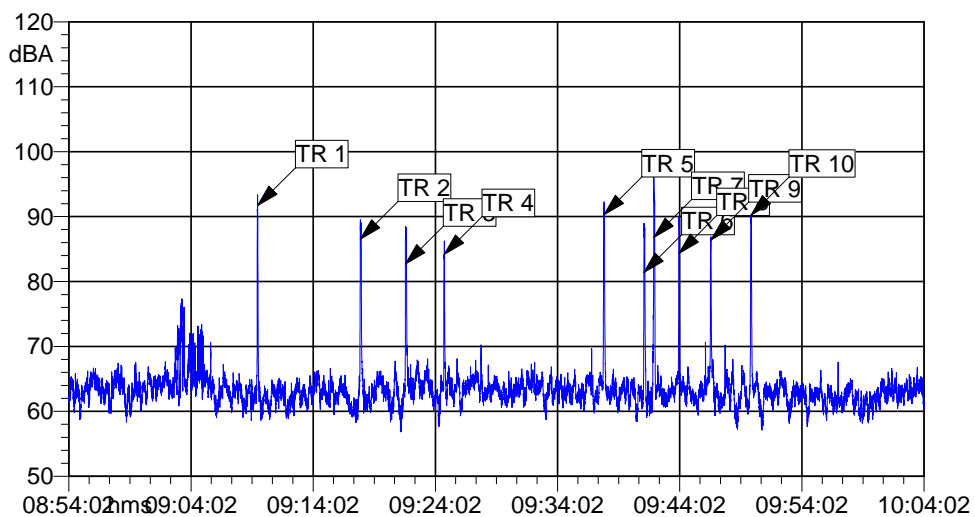
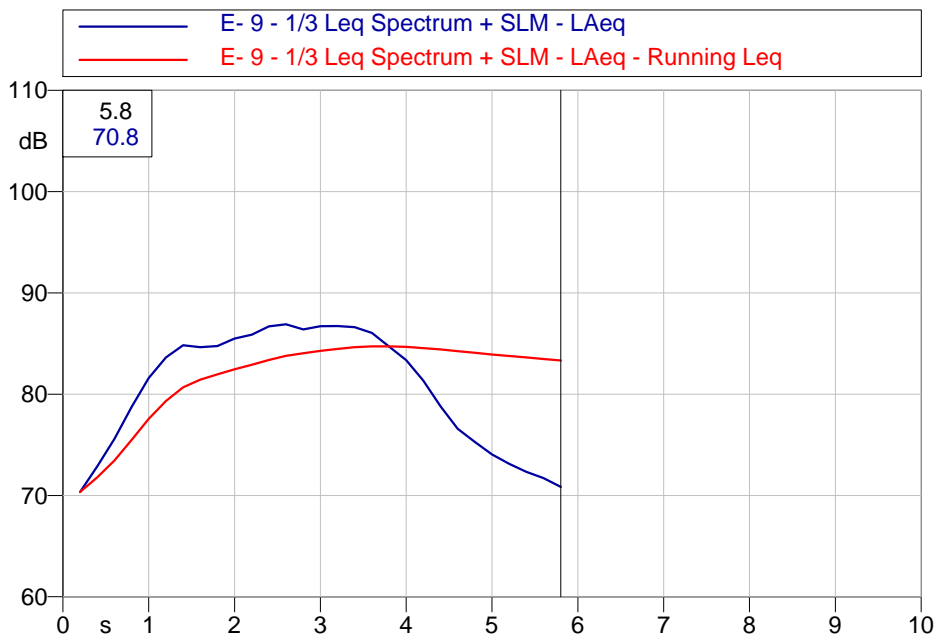
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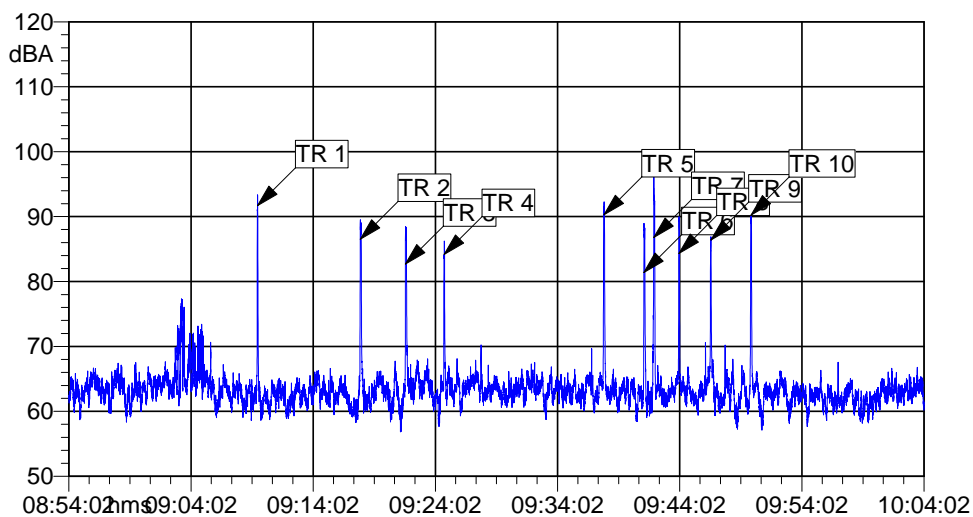
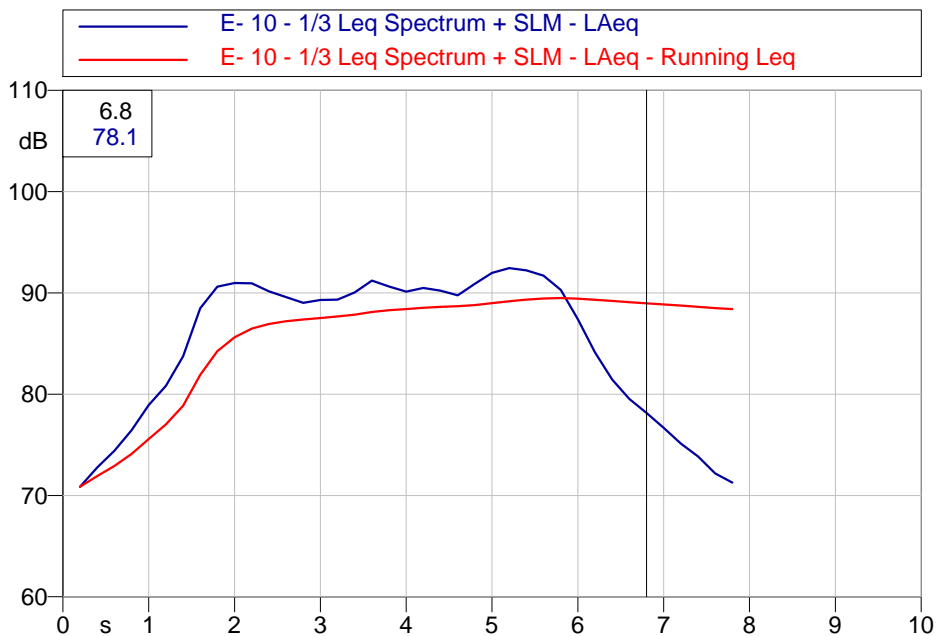


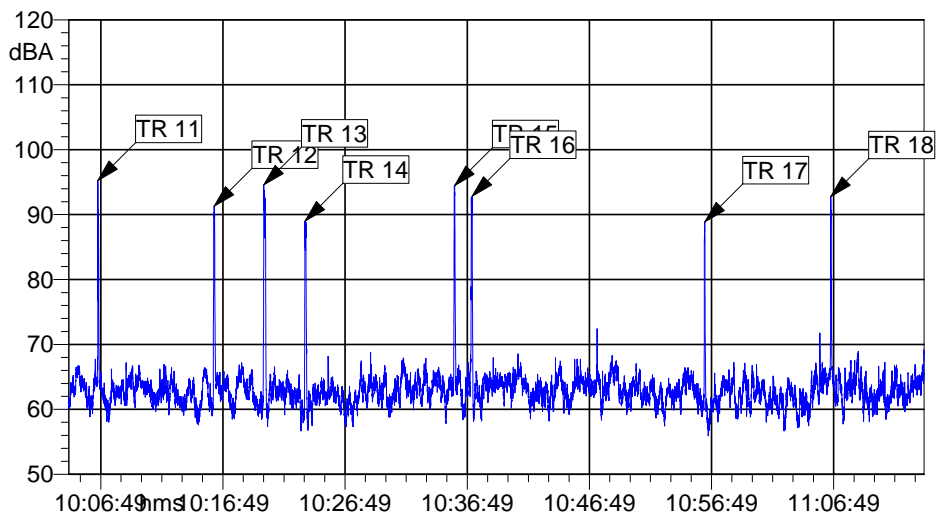
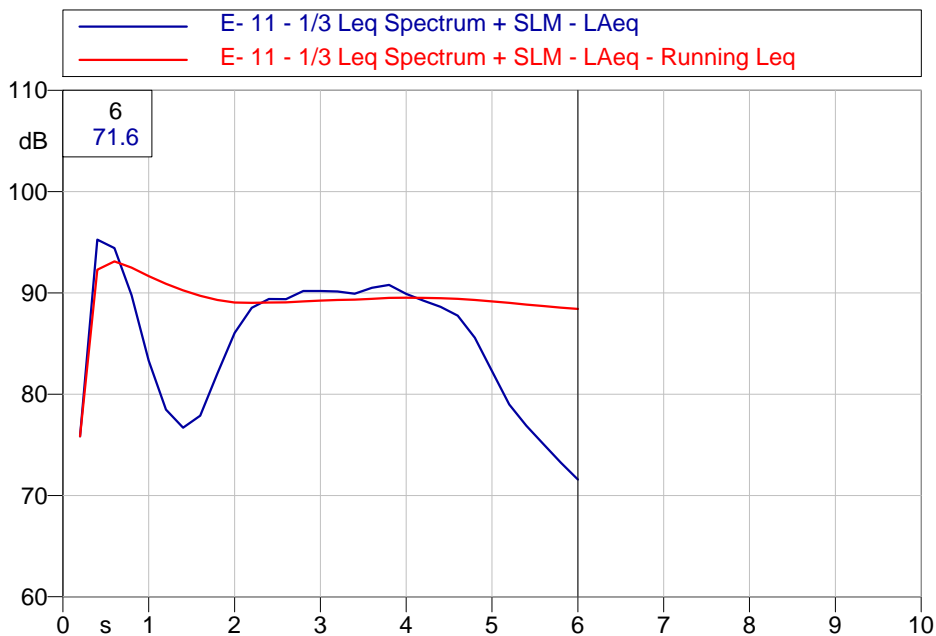
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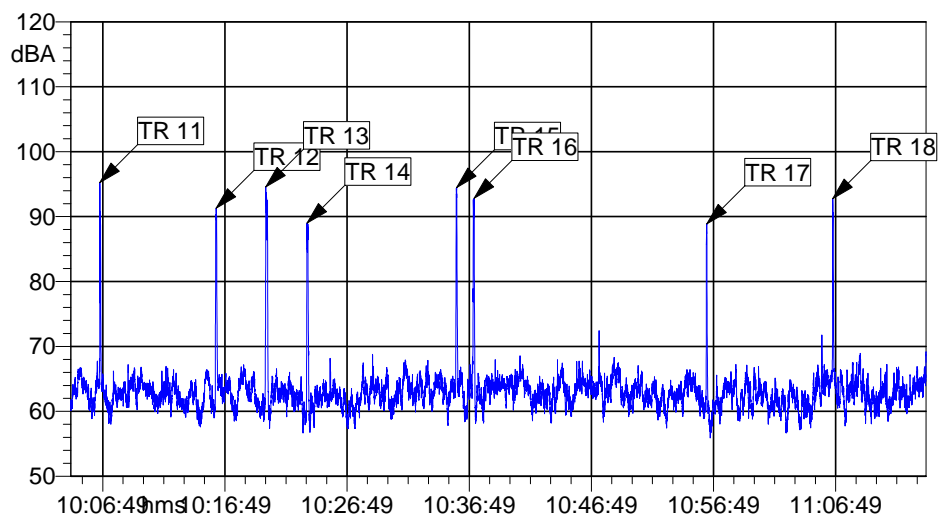
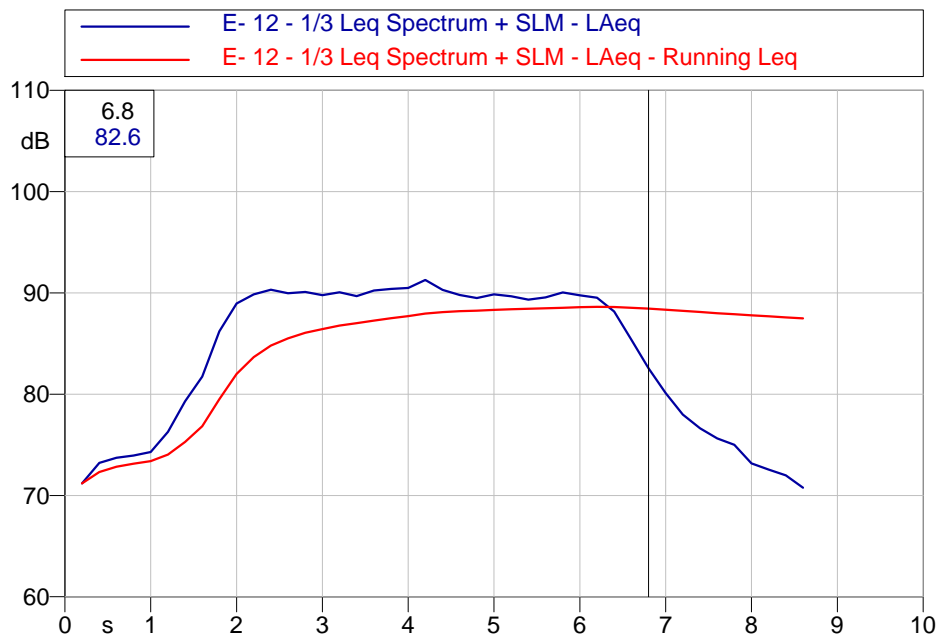


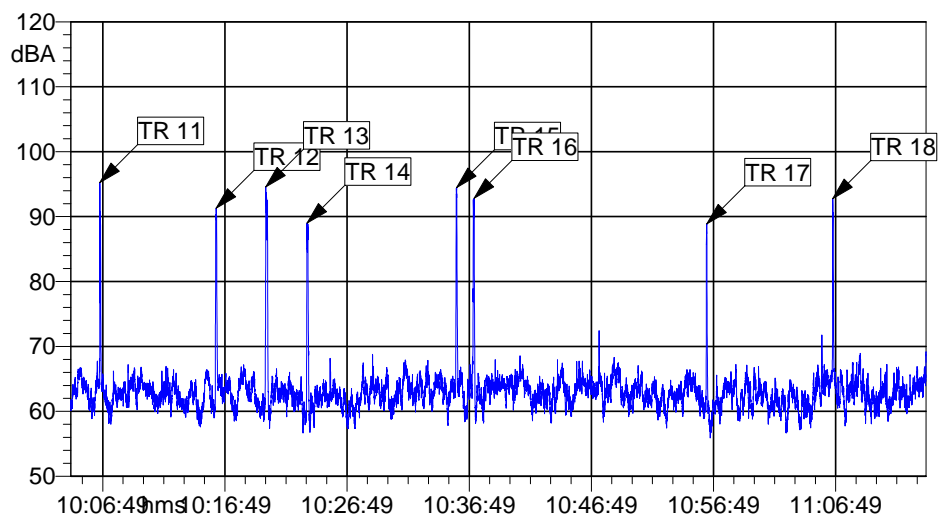
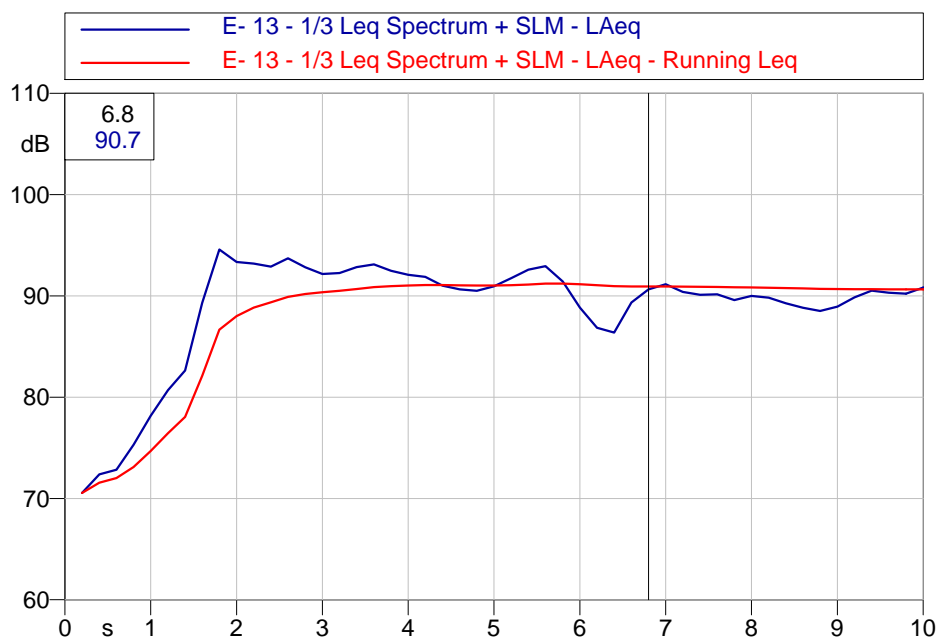
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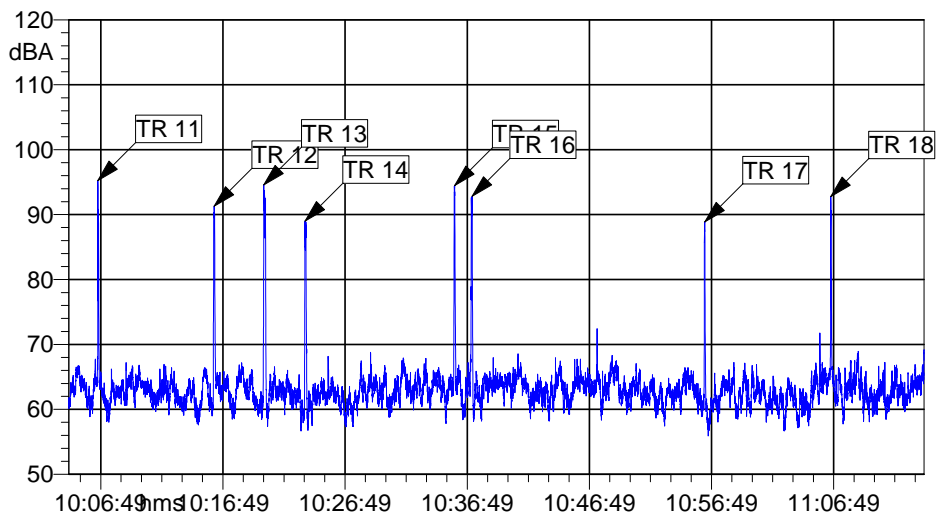
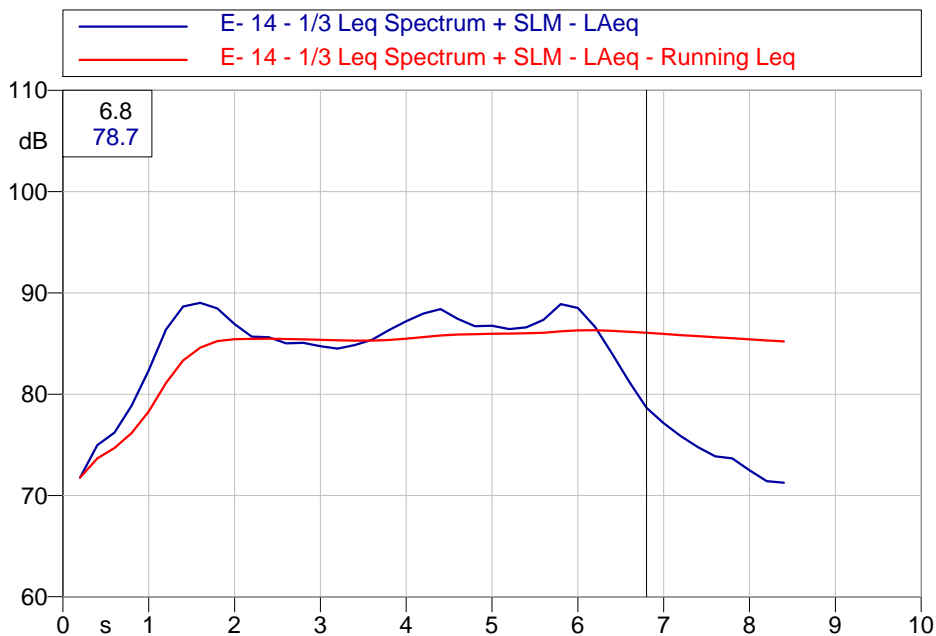
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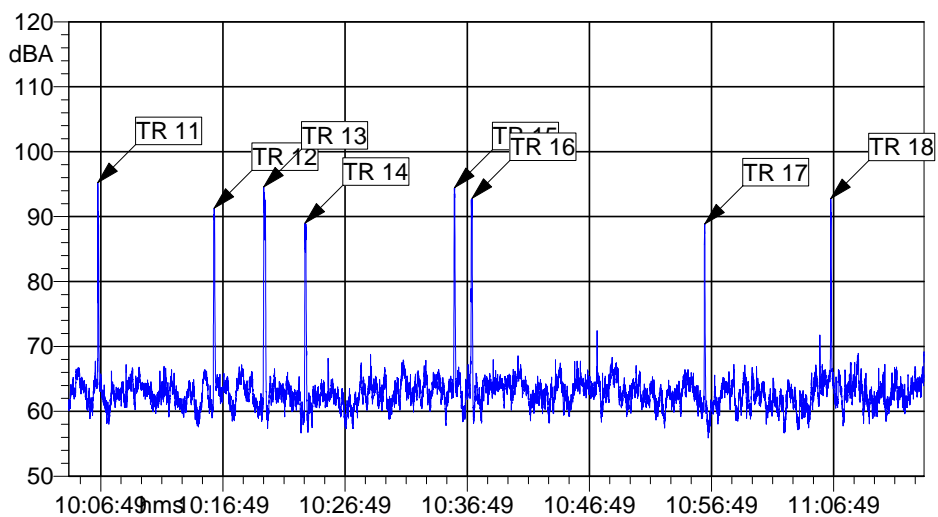
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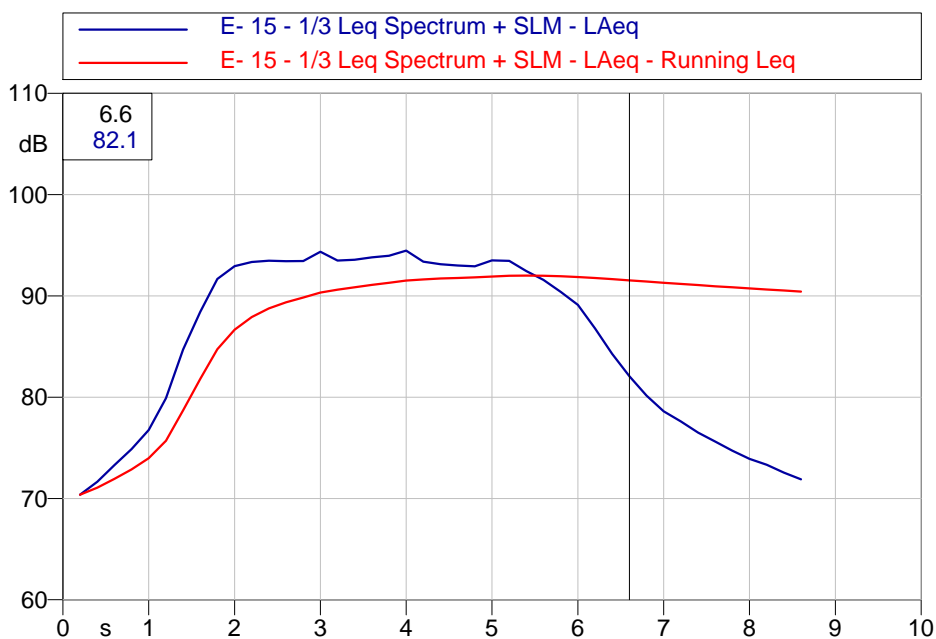
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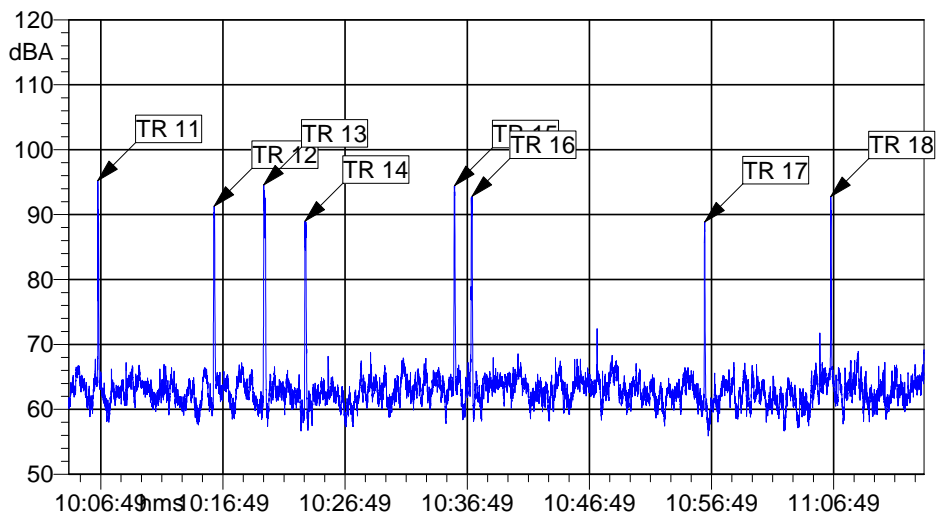
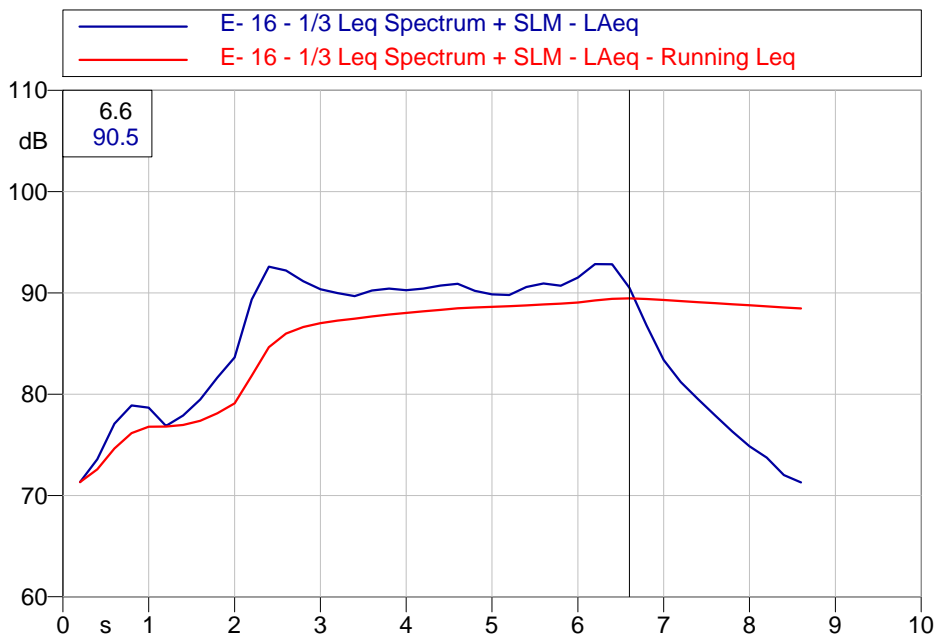
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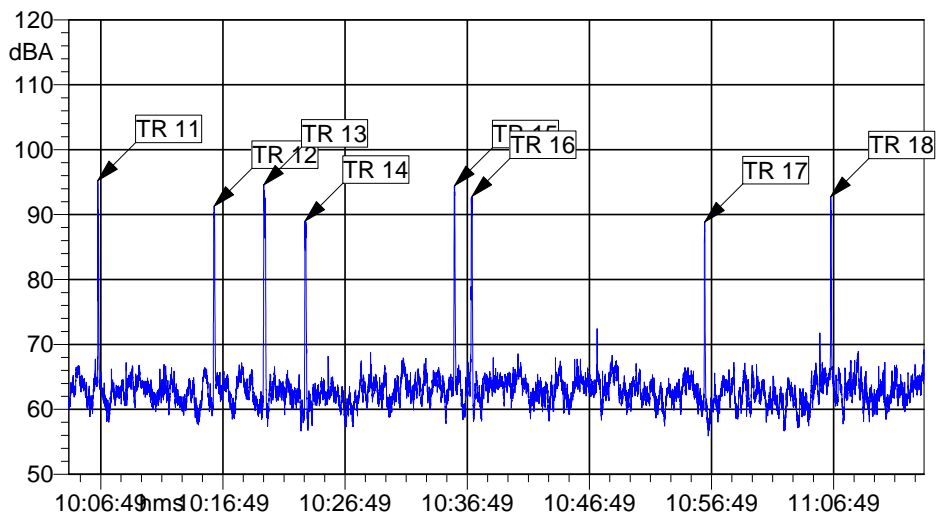
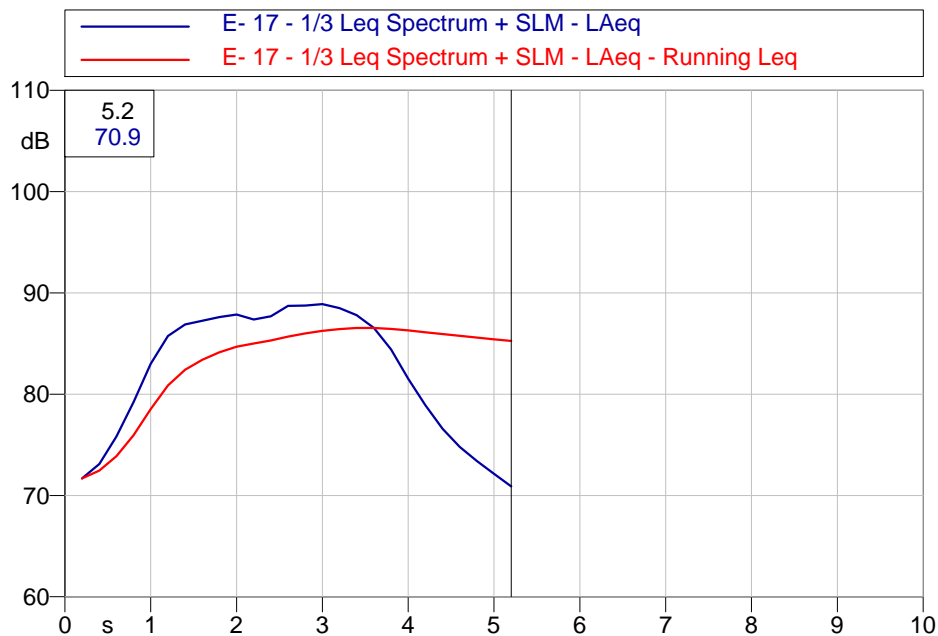
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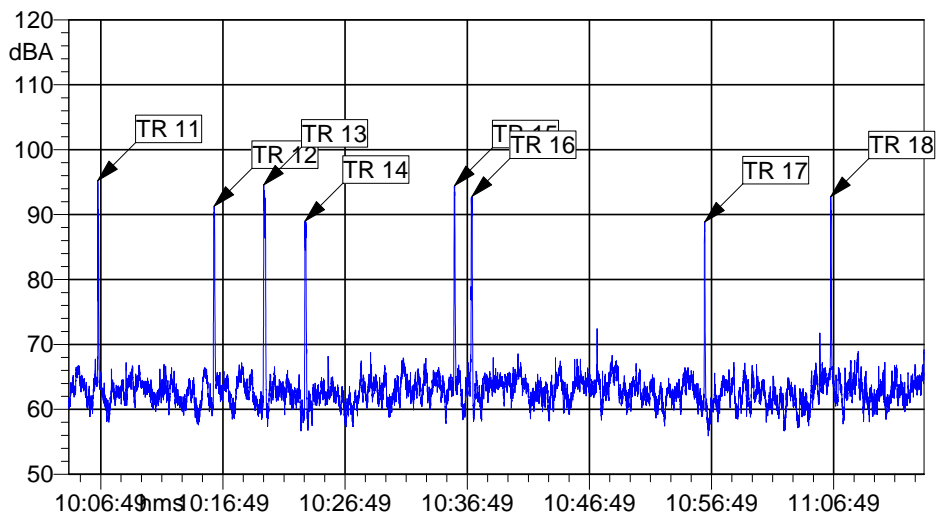
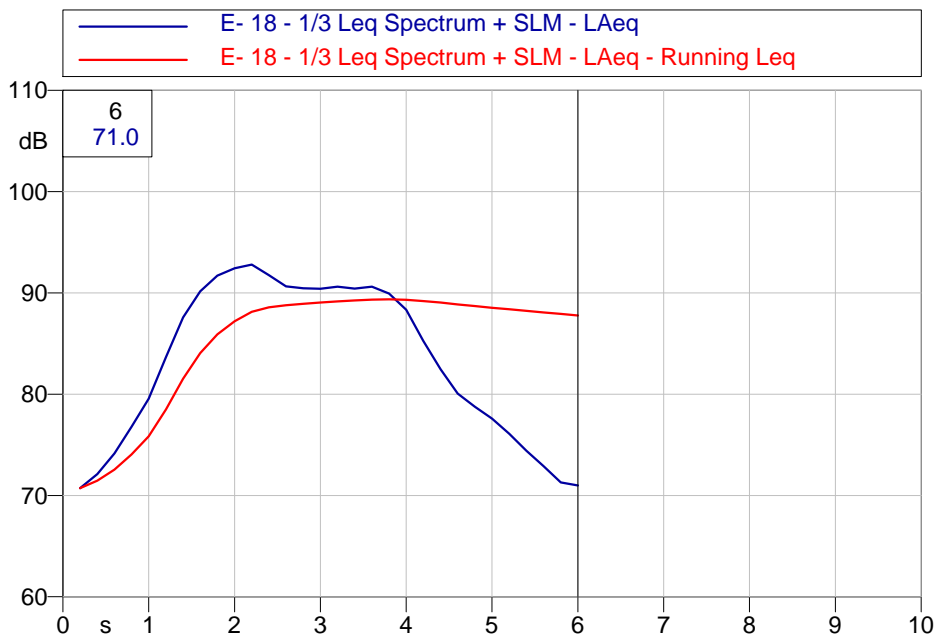


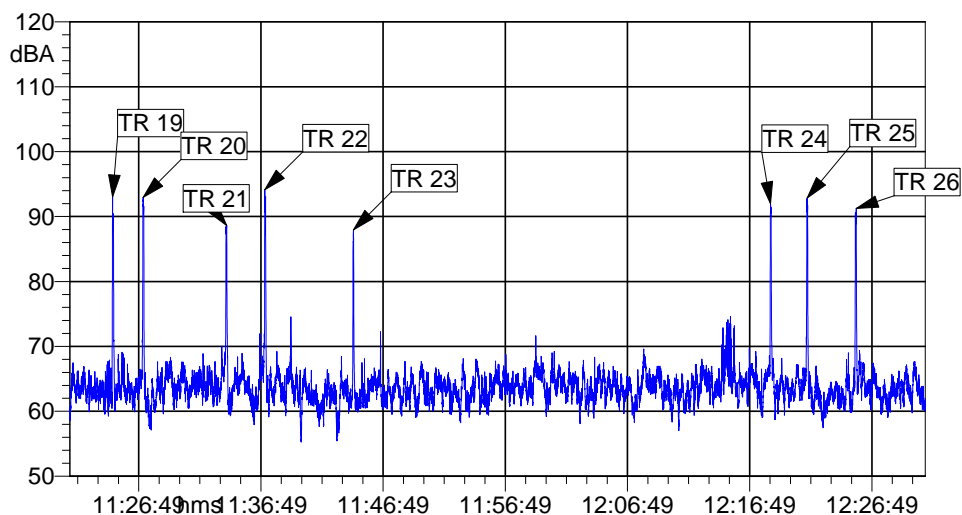
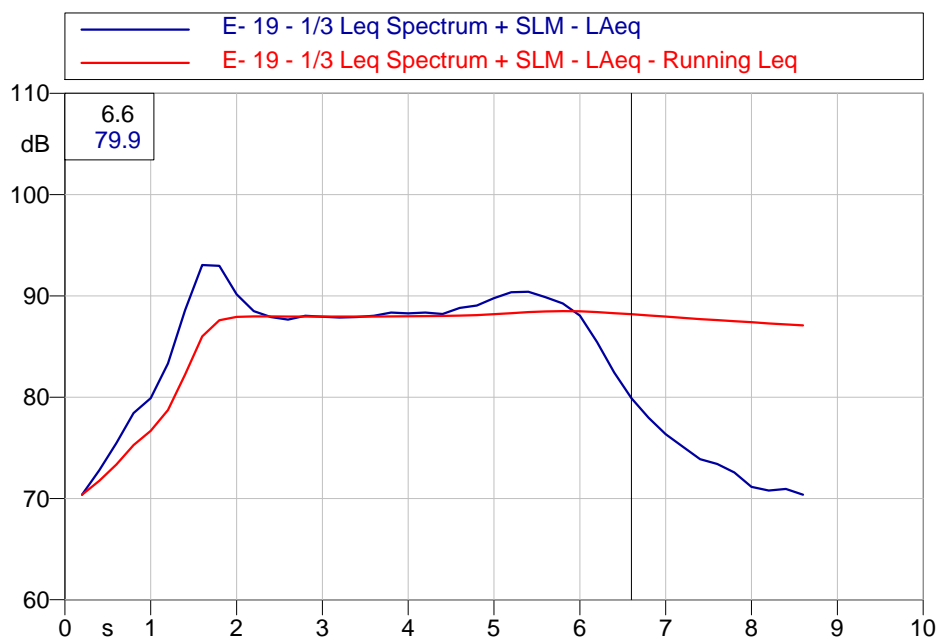
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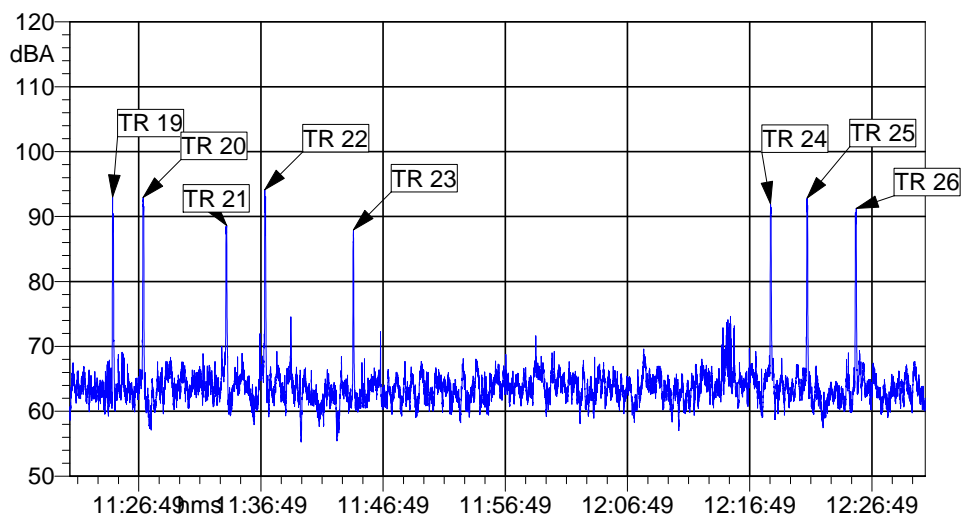
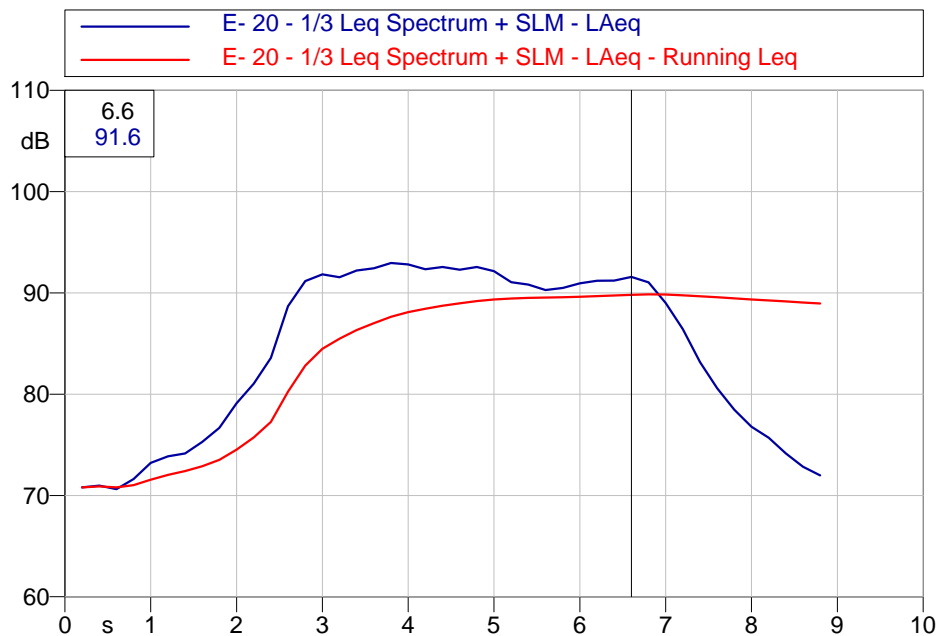


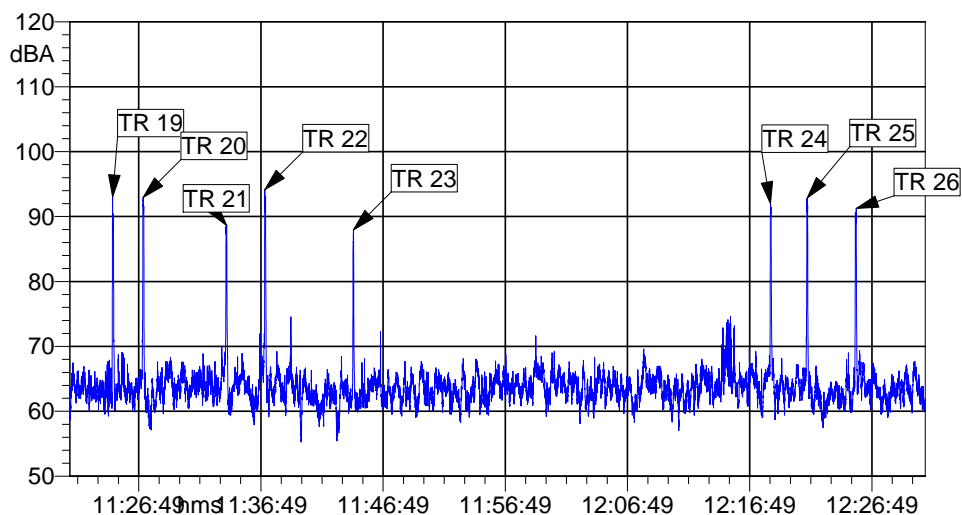
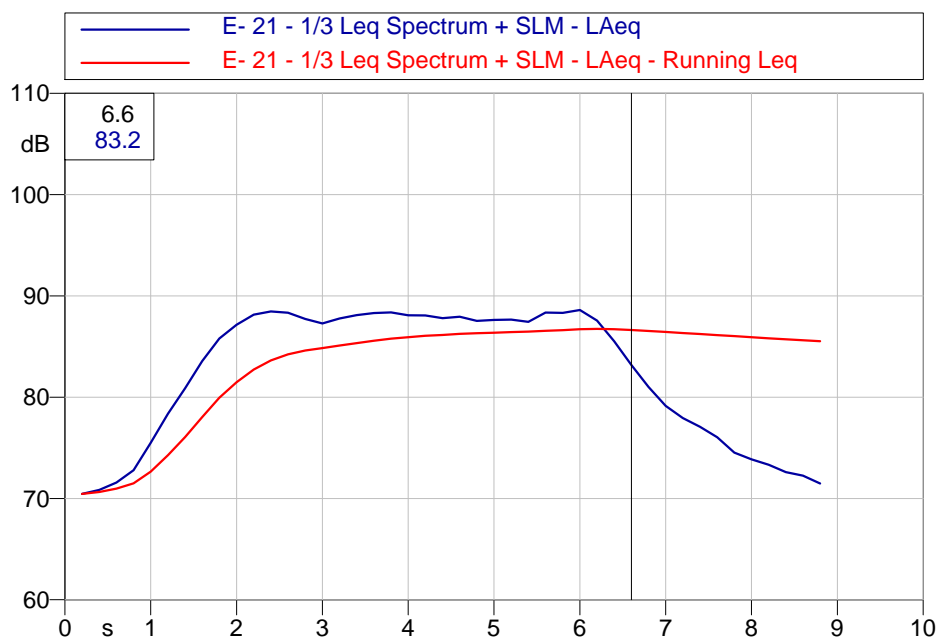
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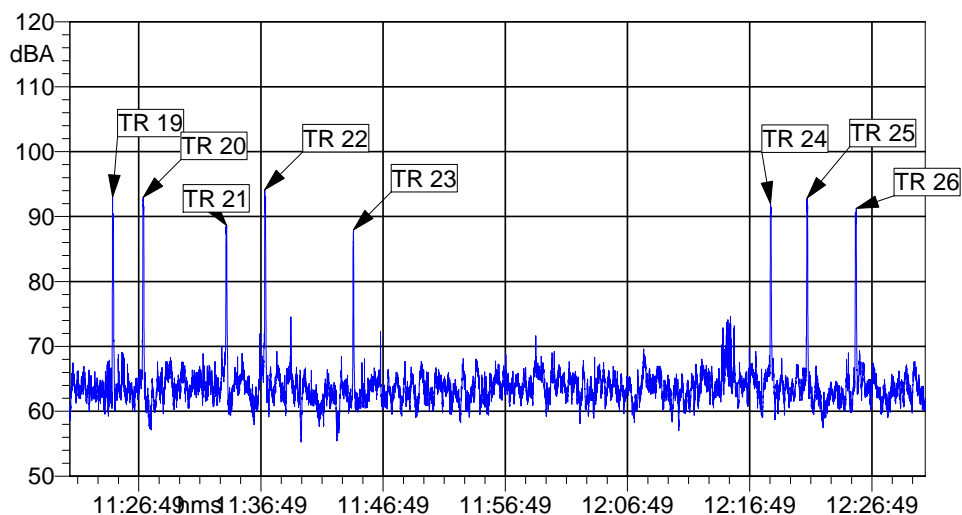
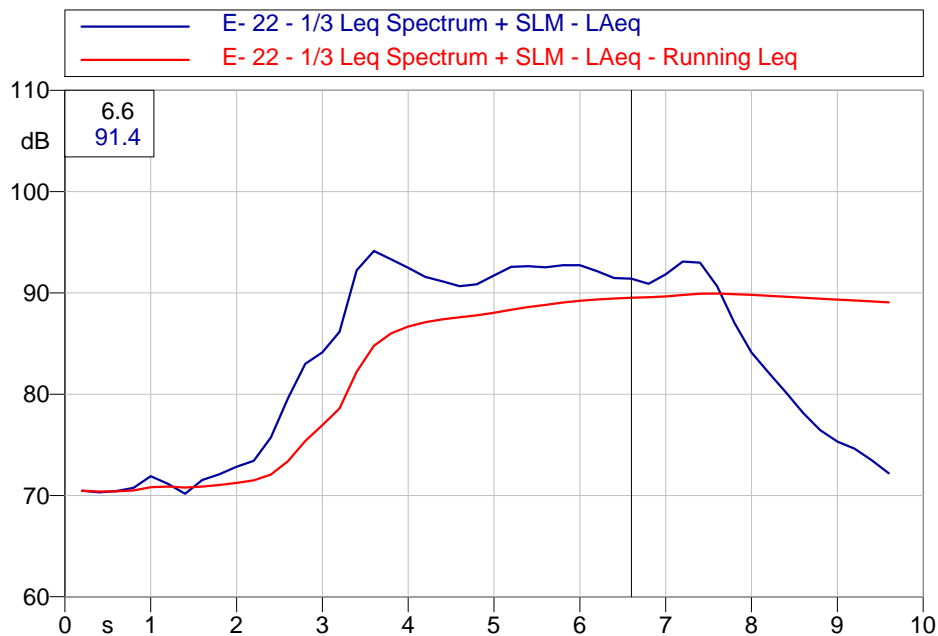
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Time History event


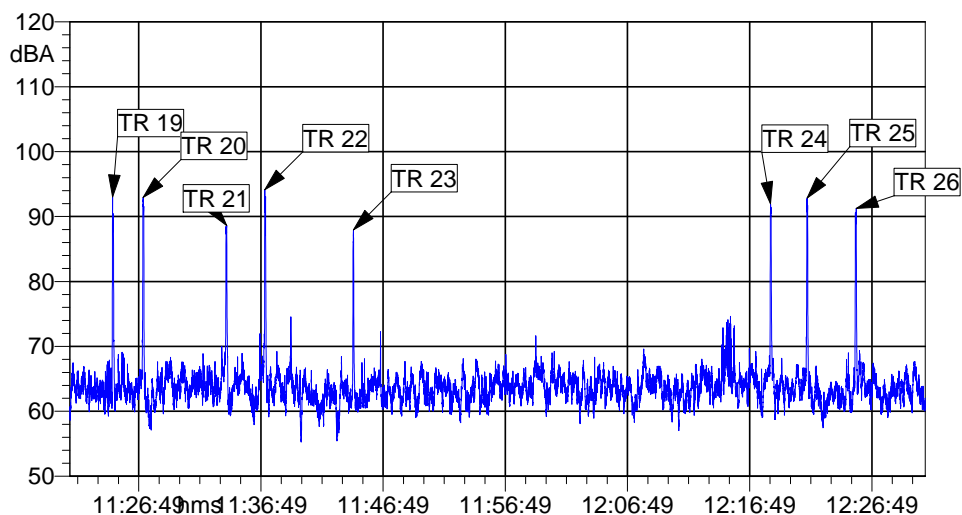
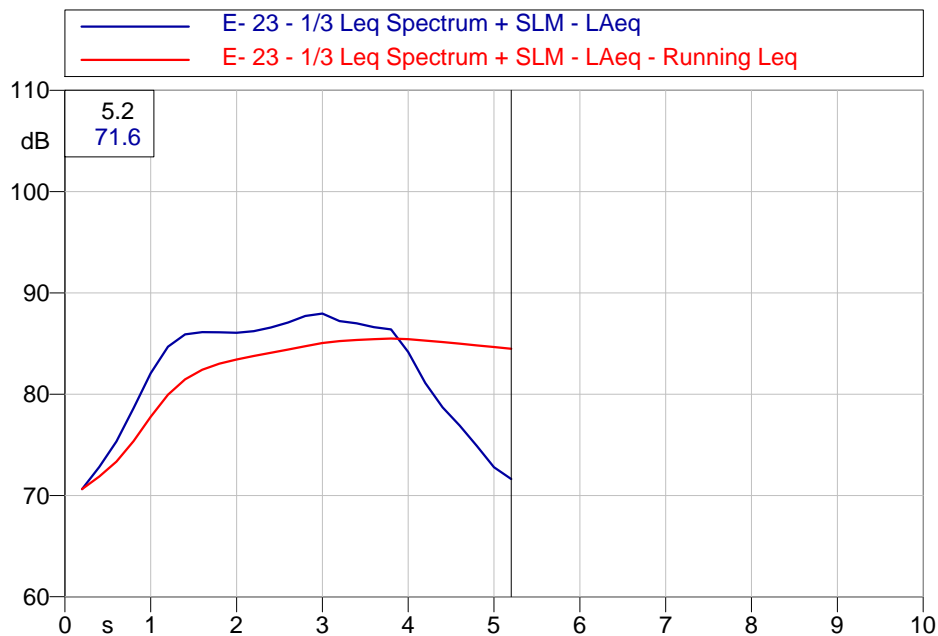
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Time History evento


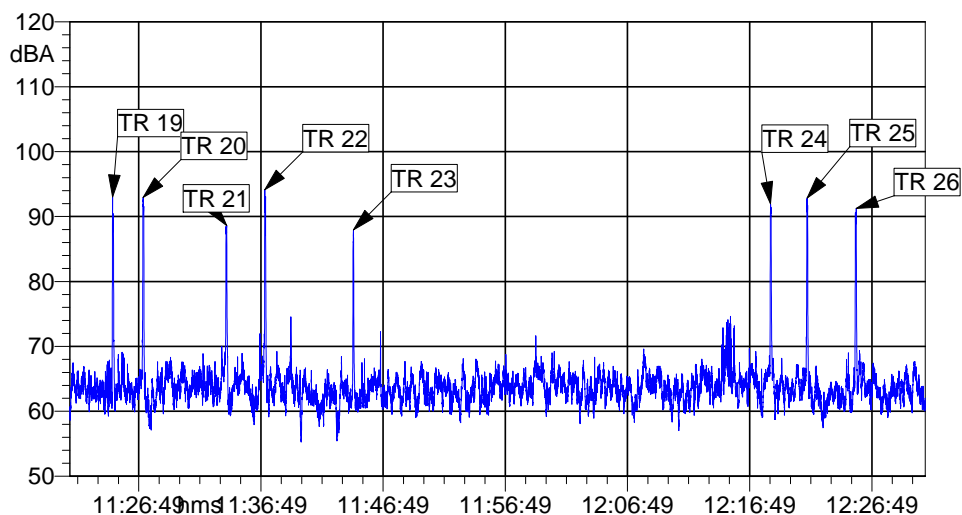
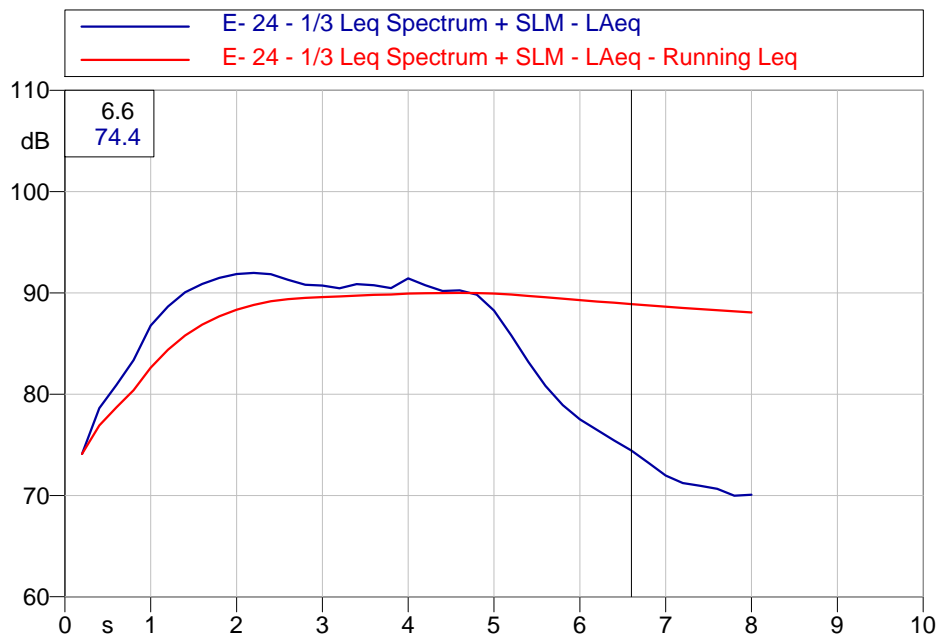
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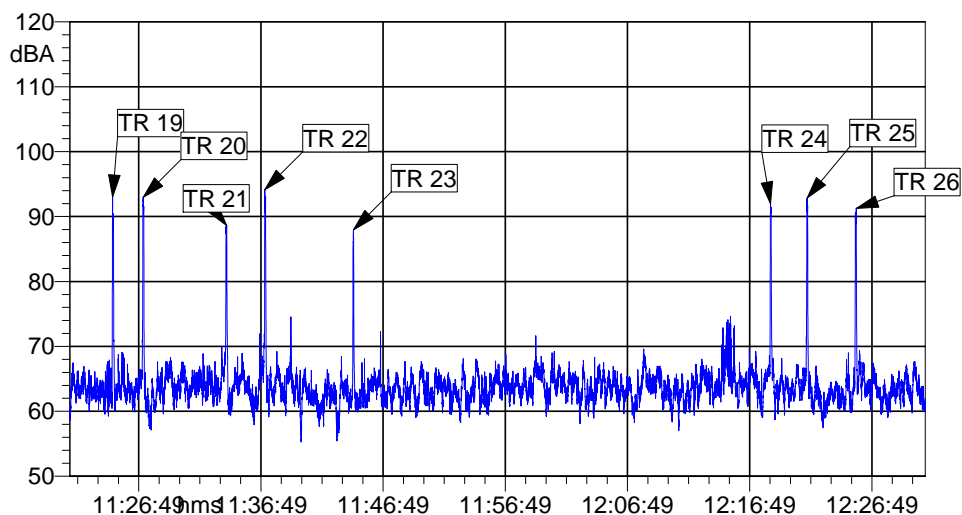
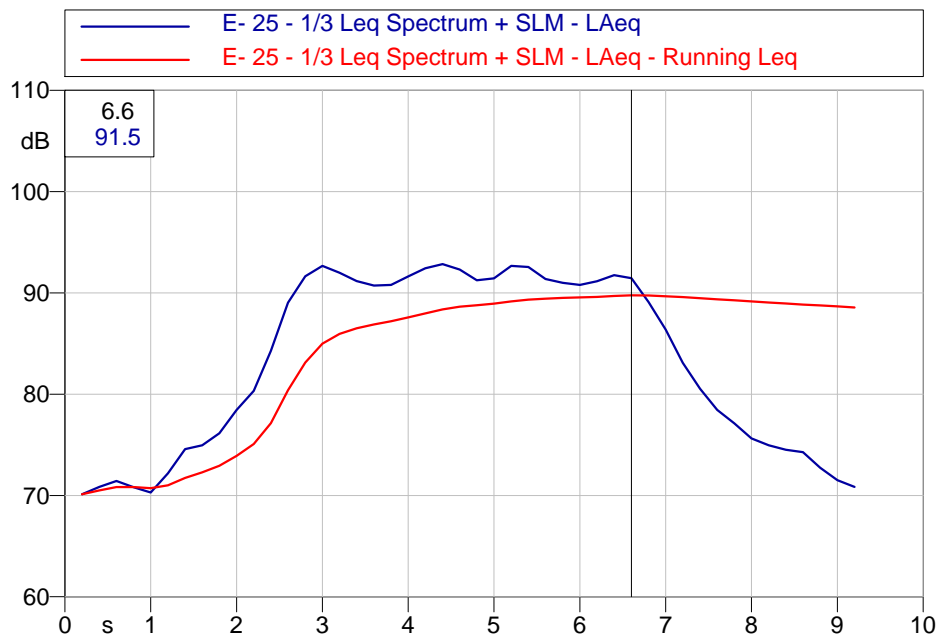
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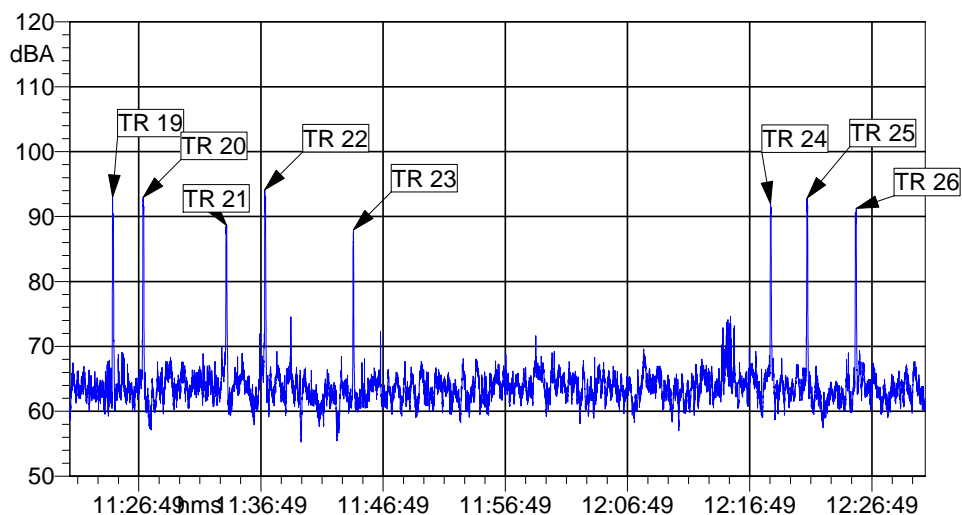
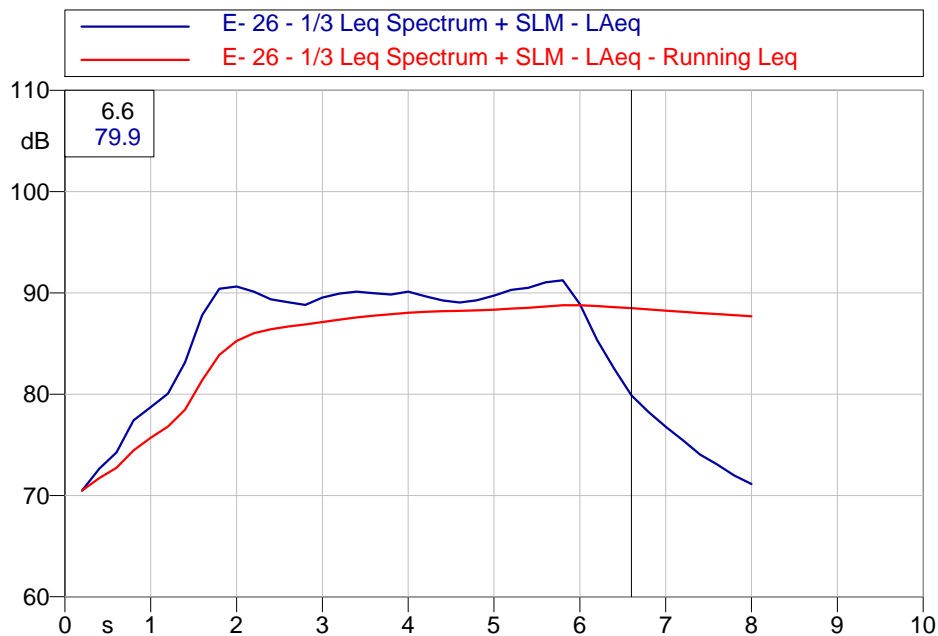
Time History misura

Time History evento


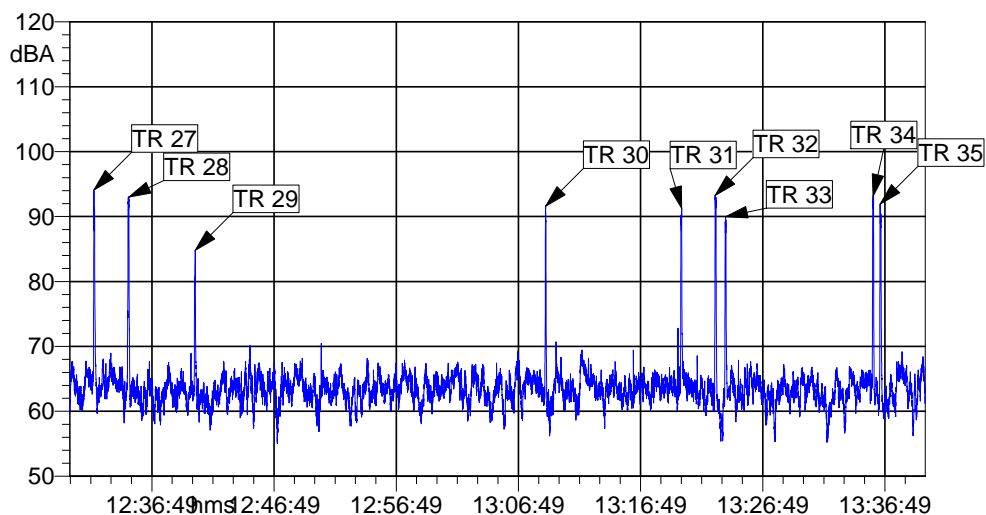
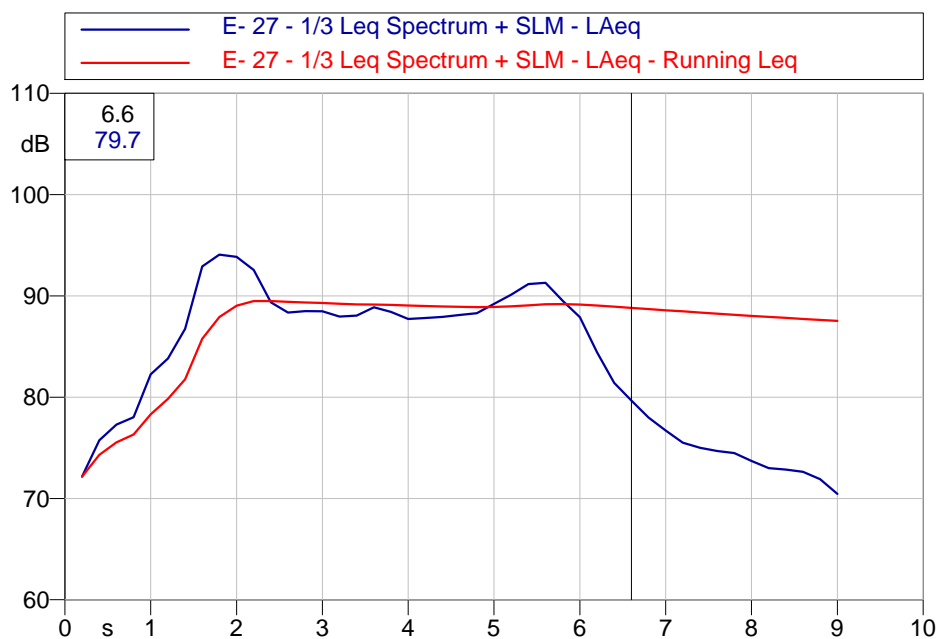
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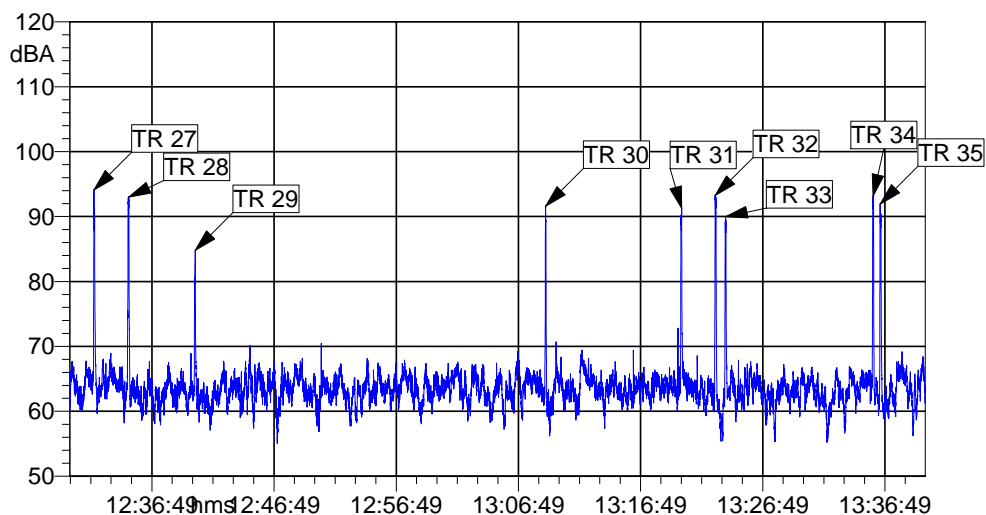
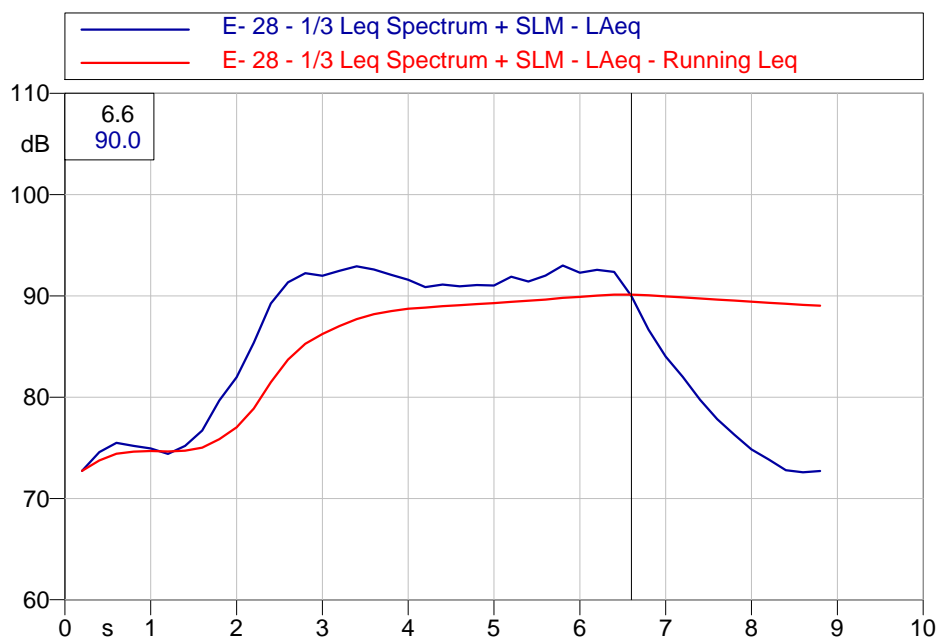
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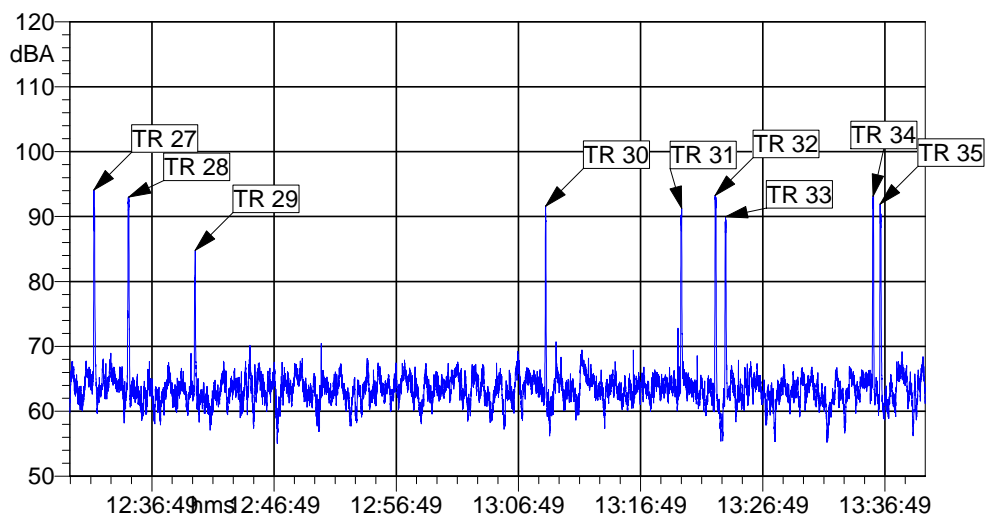
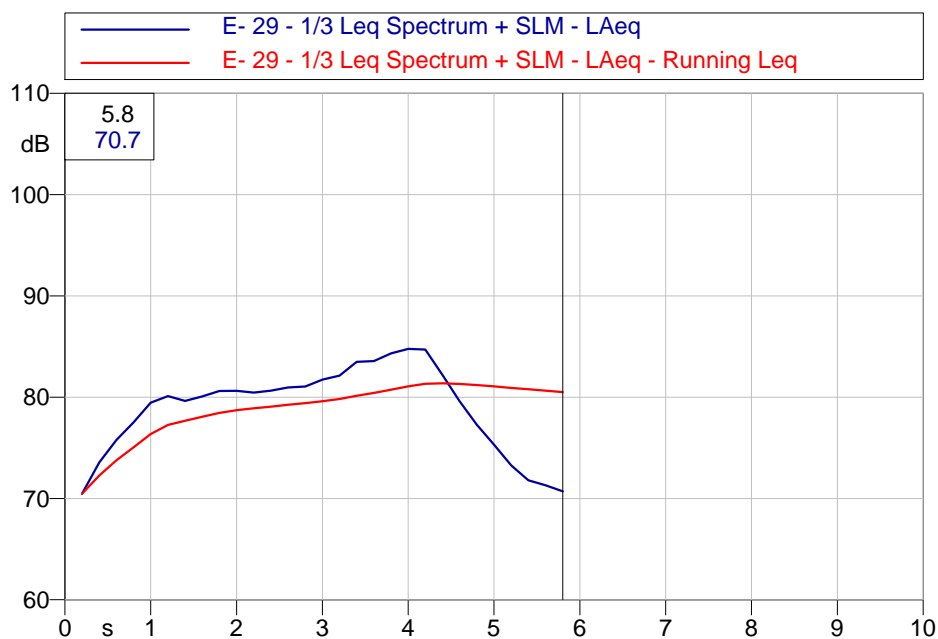
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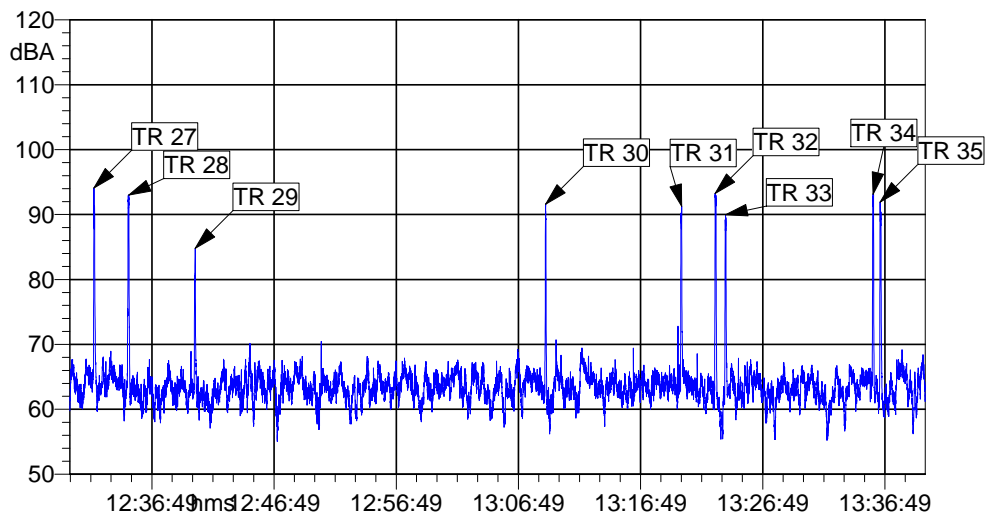
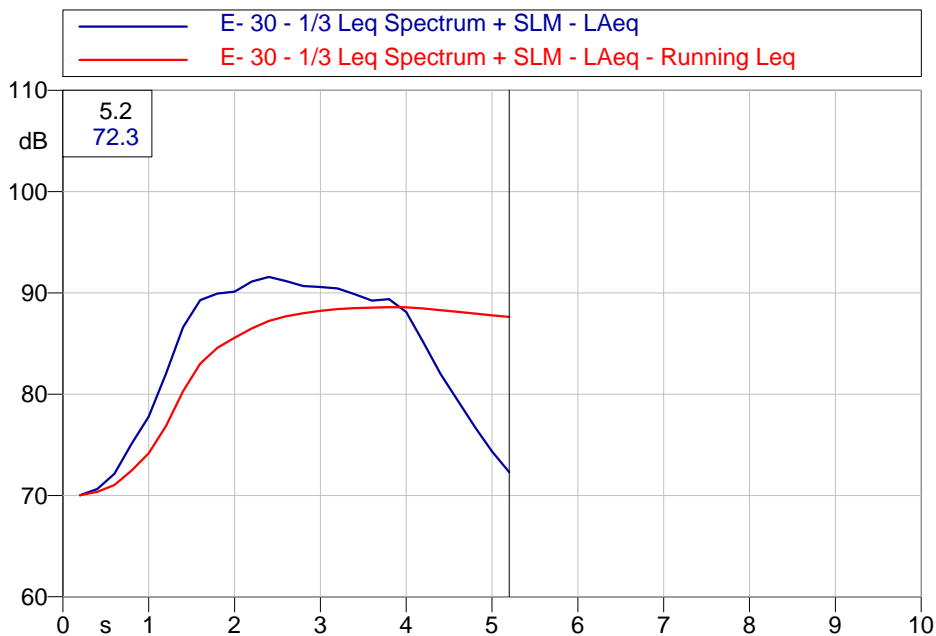
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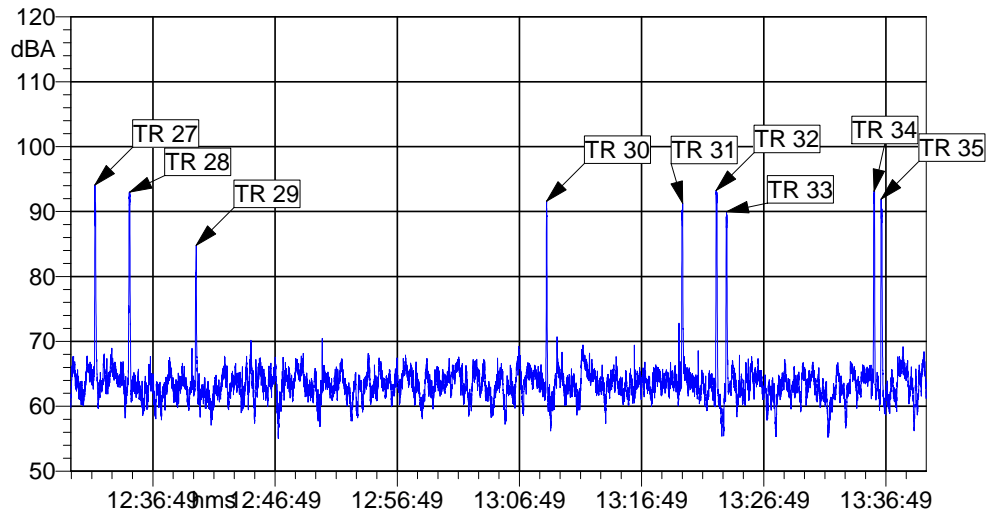
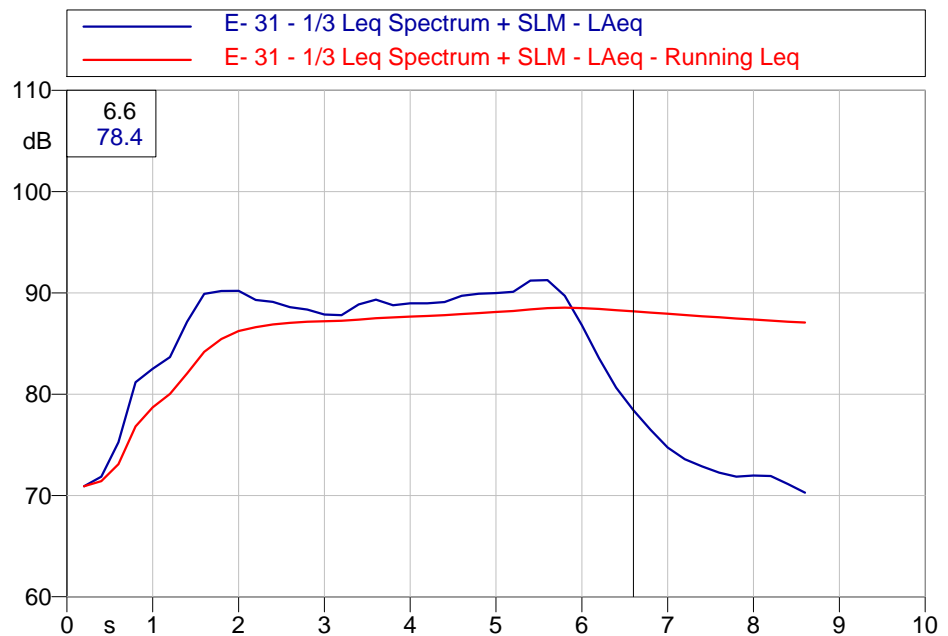
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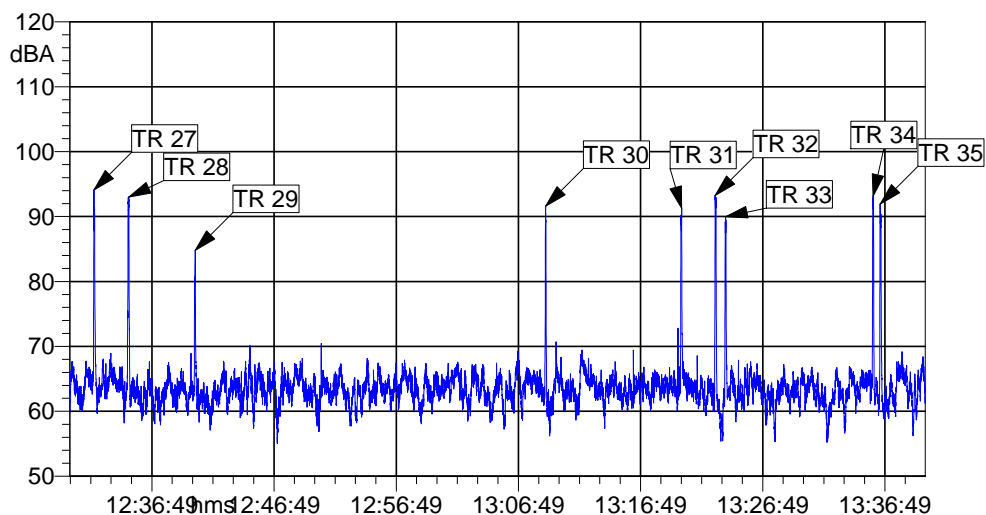
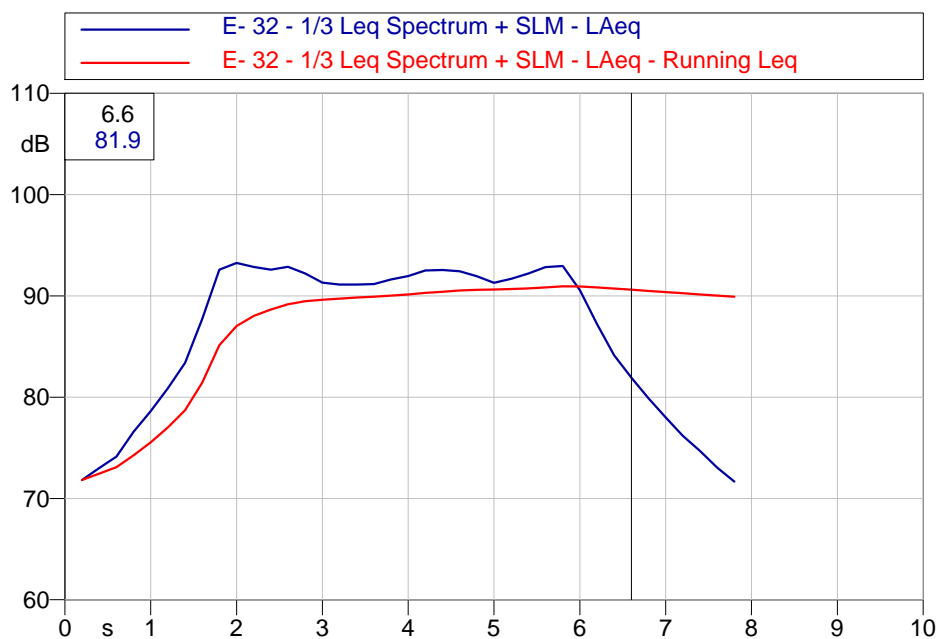
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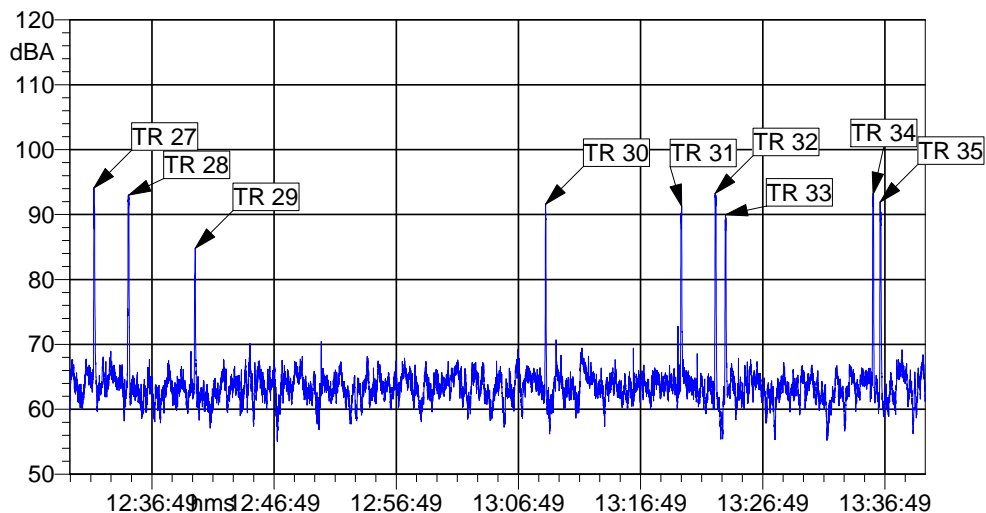
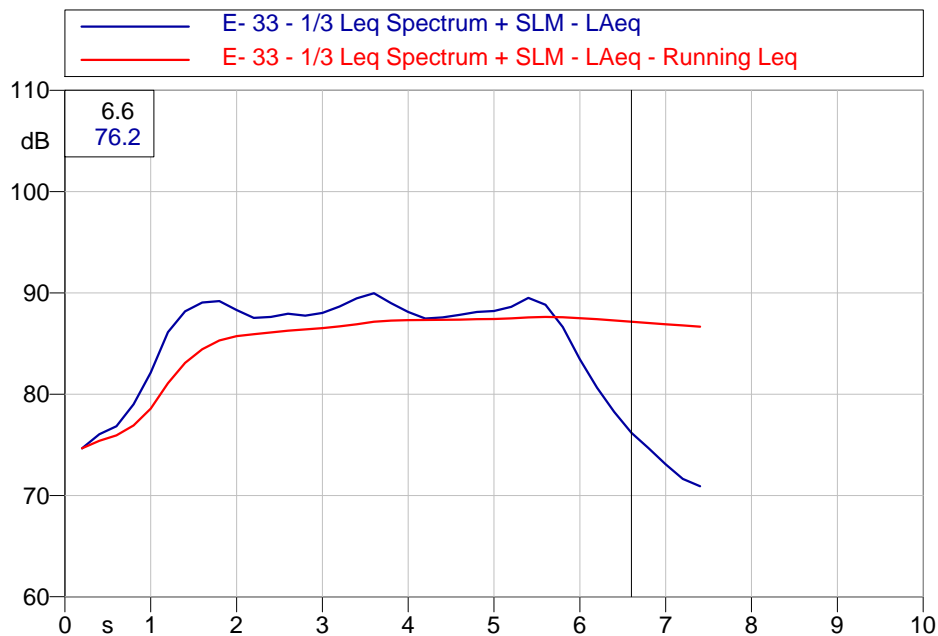
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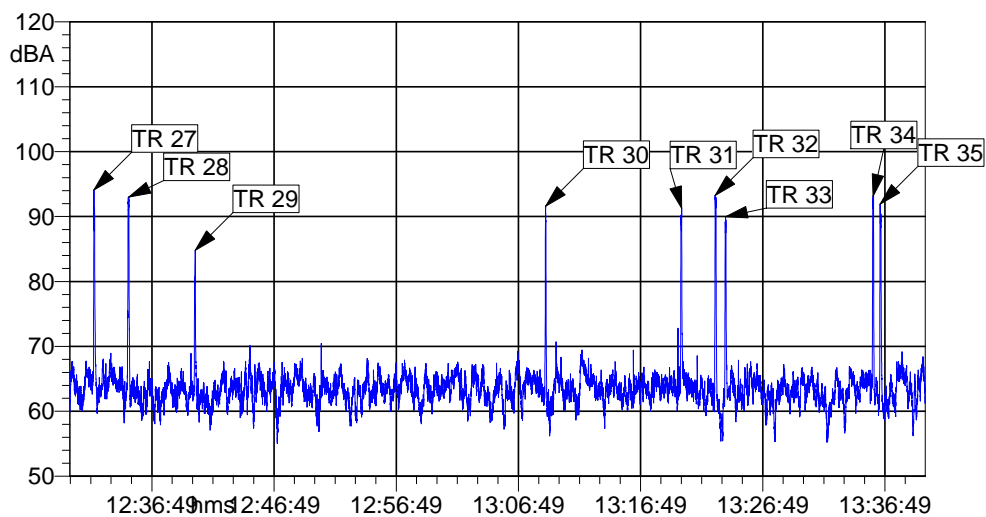
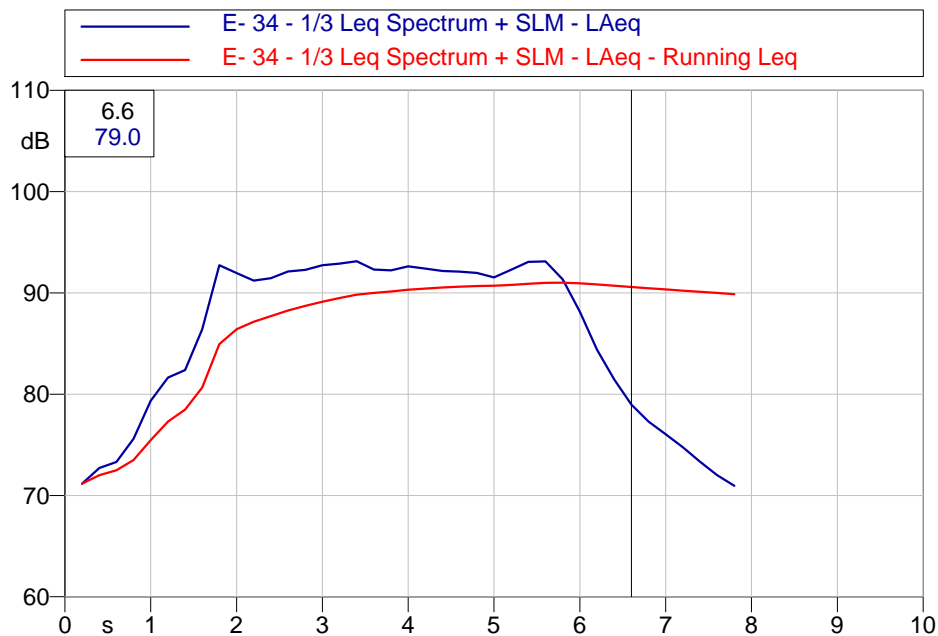
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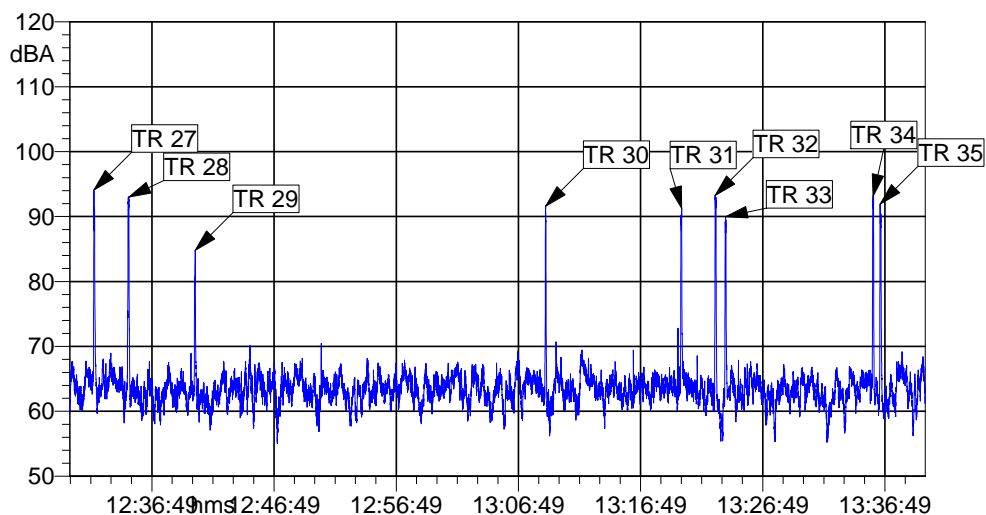
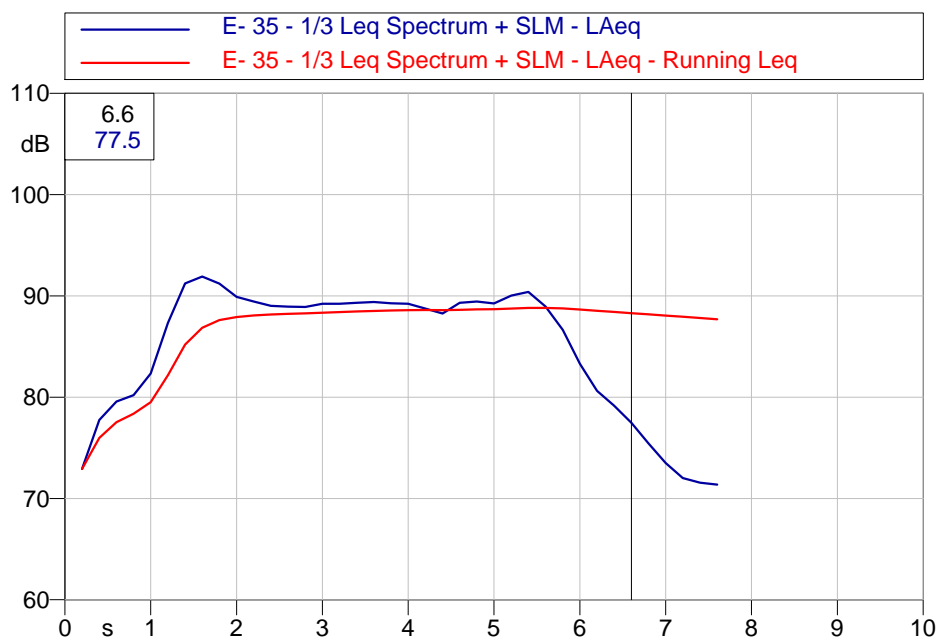
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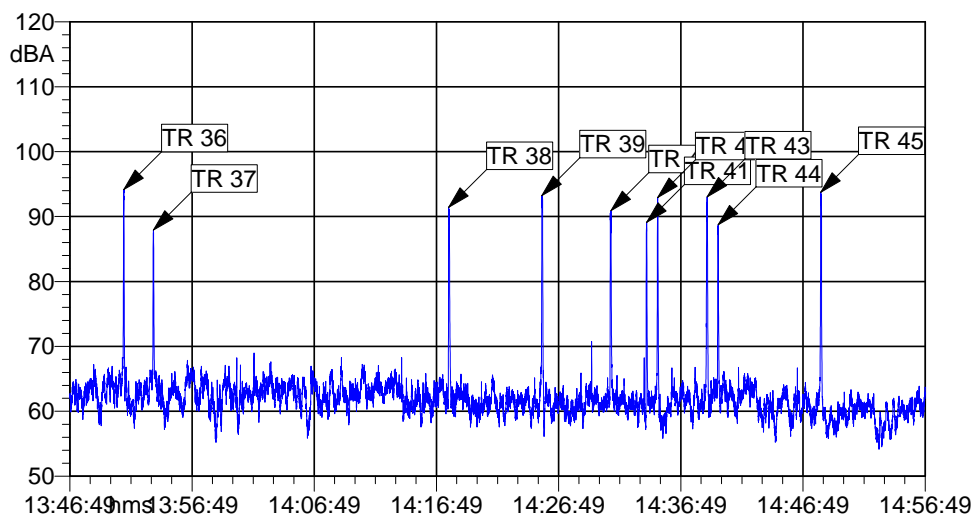
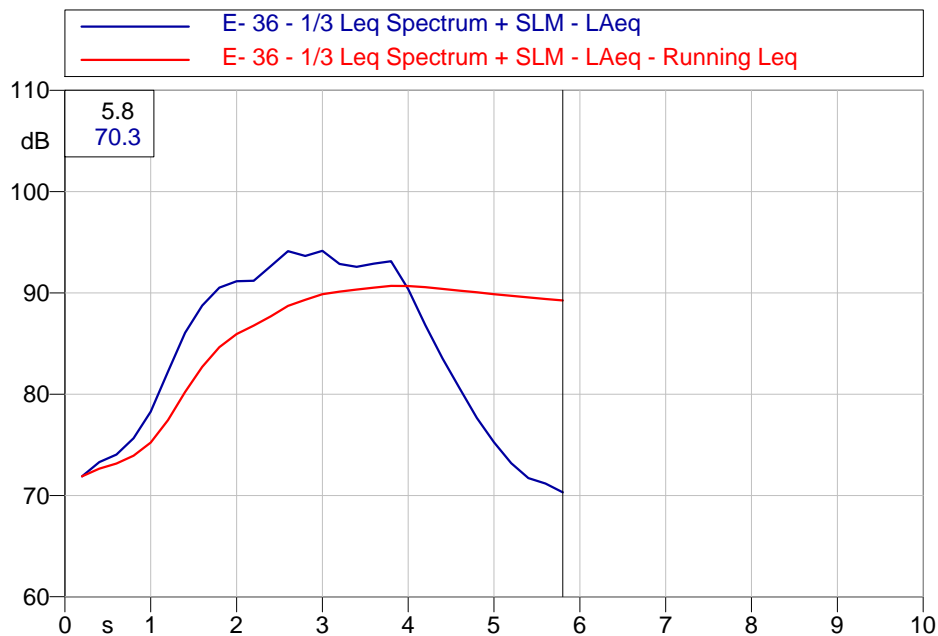
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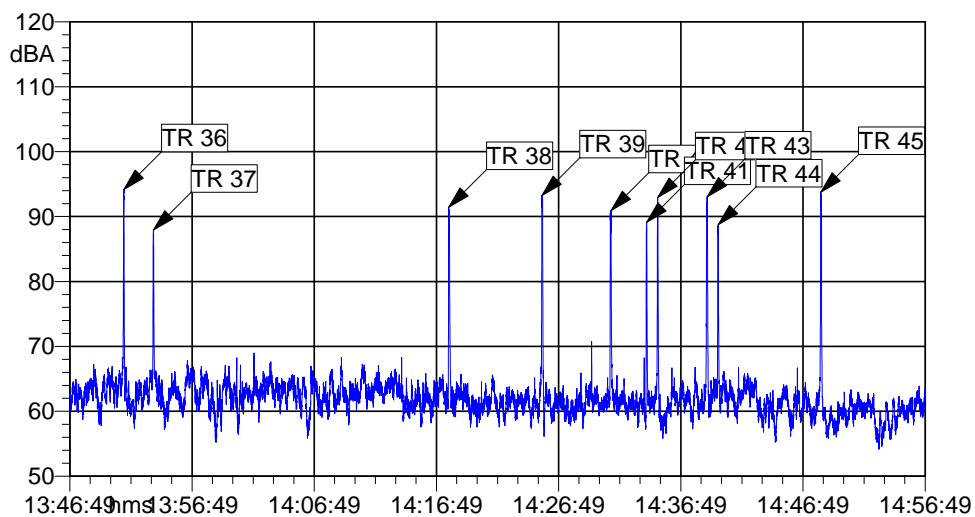
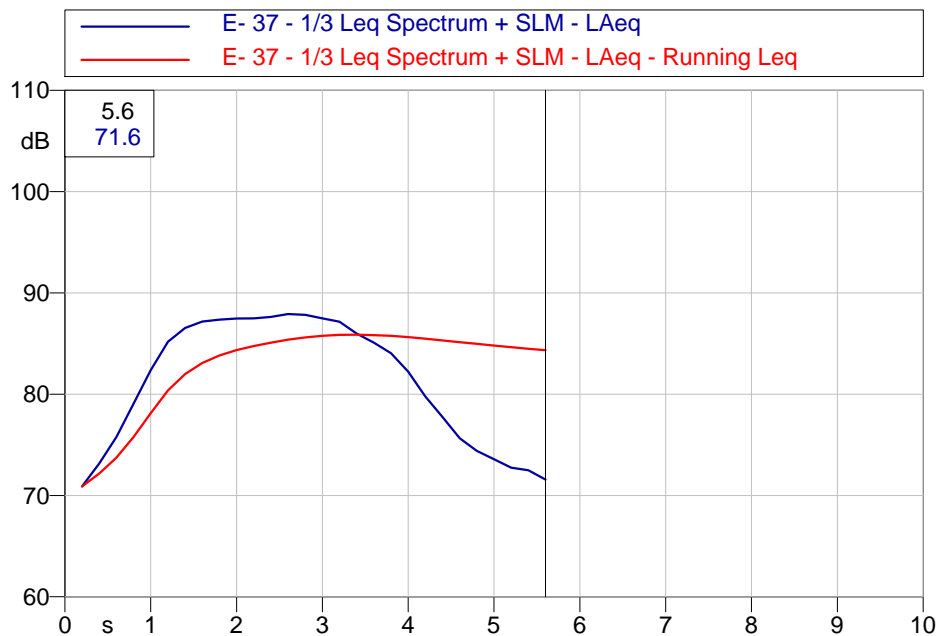
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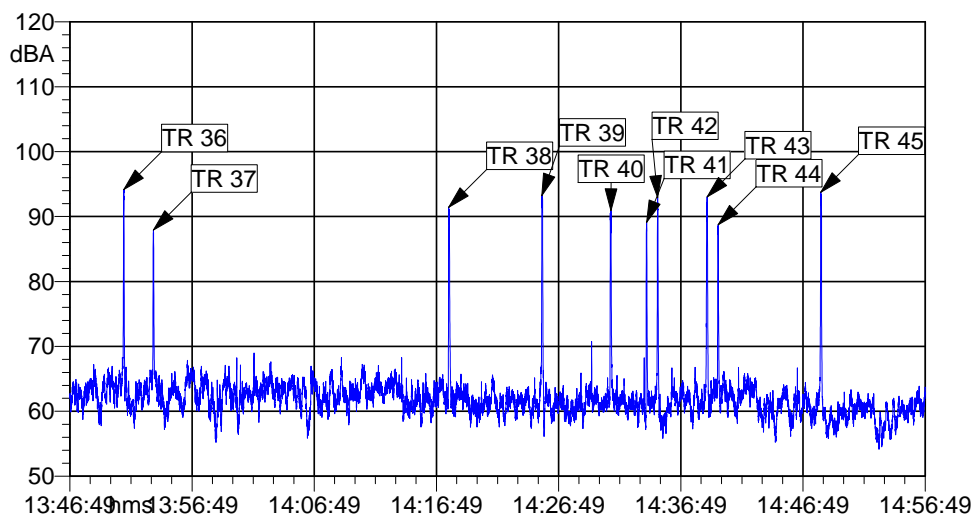
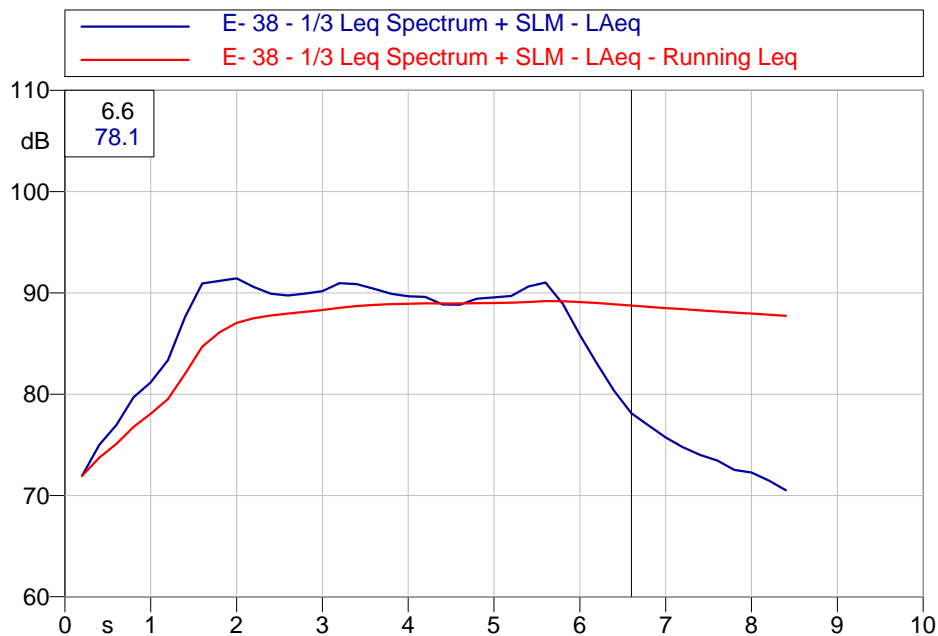
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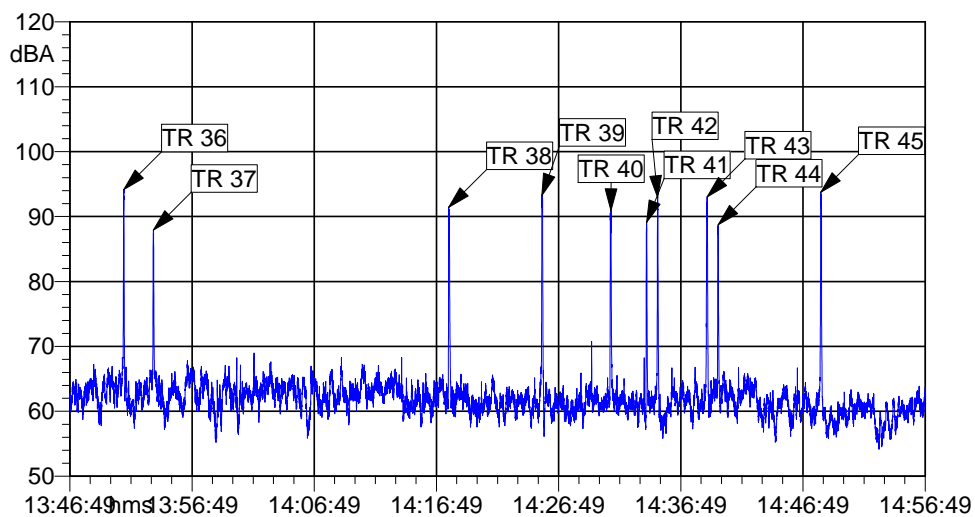
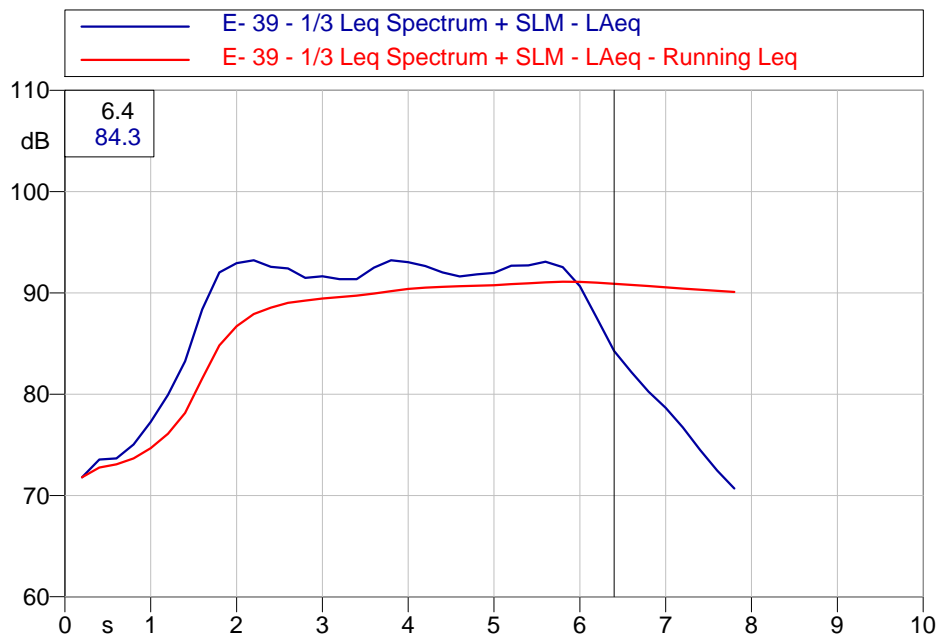
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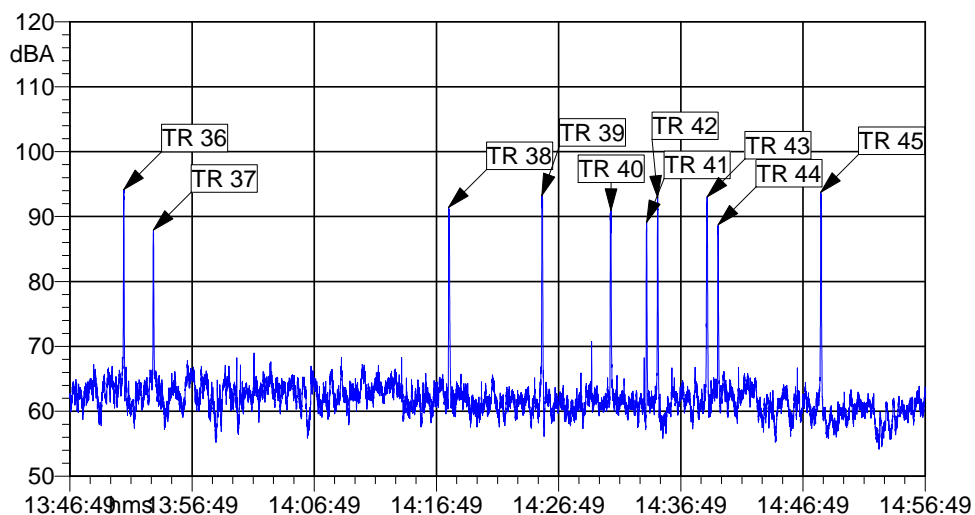
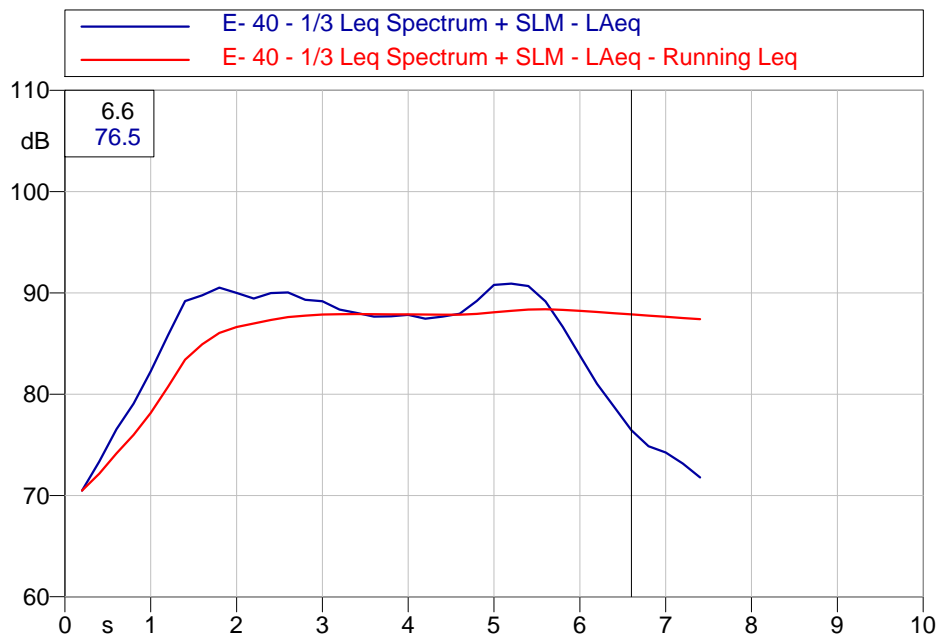
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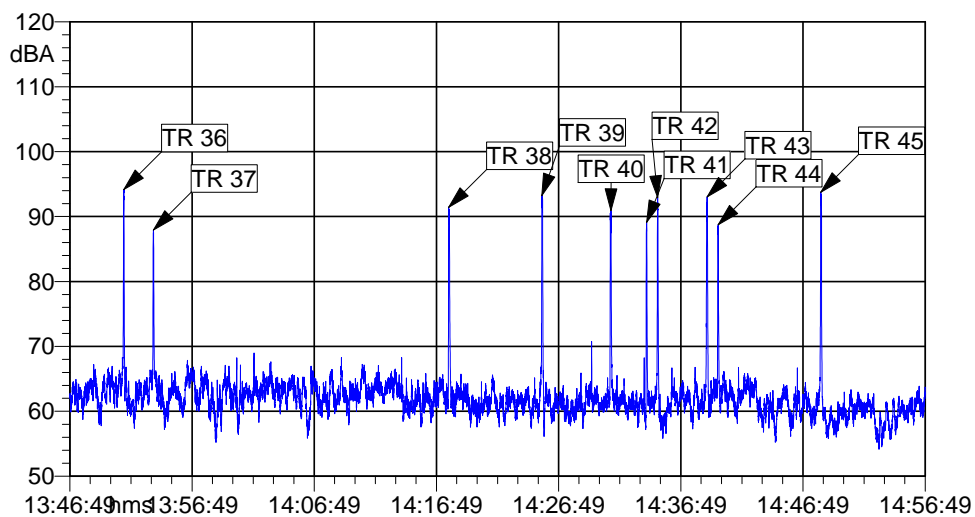
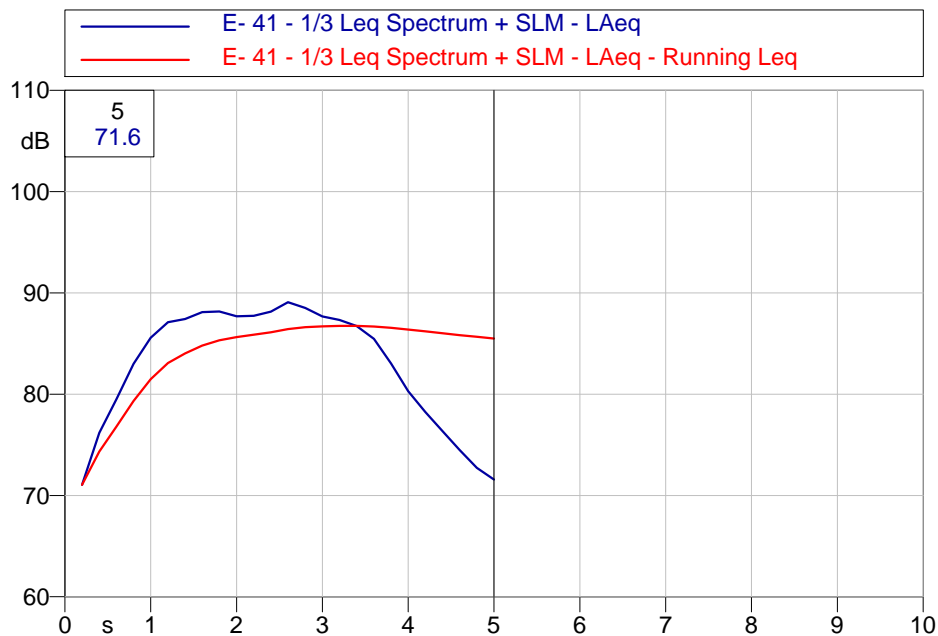
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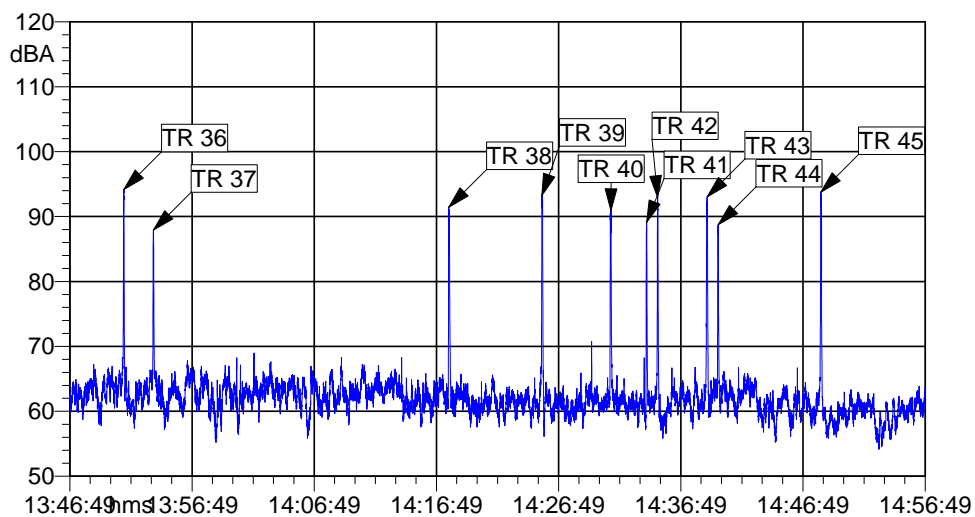
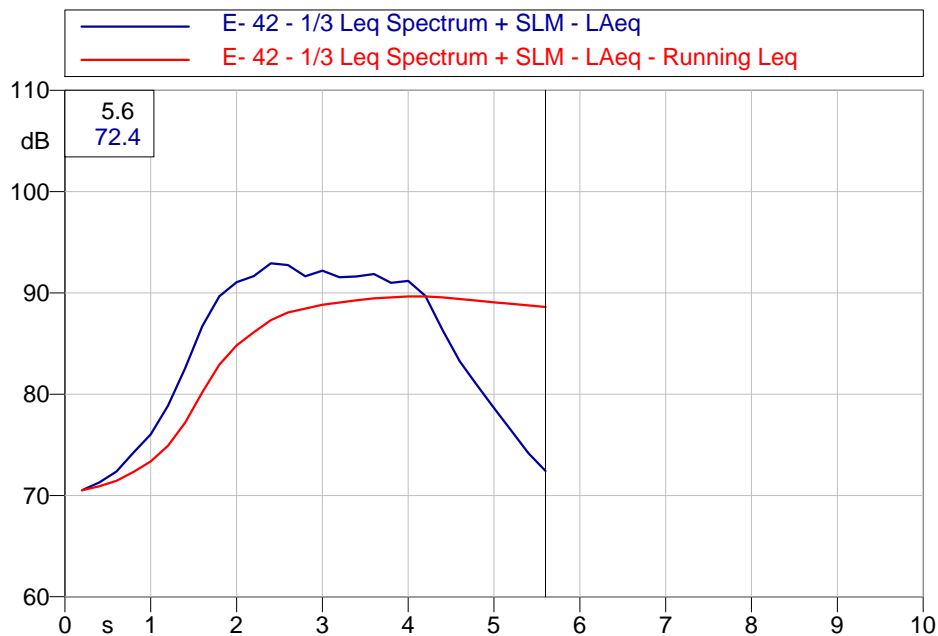
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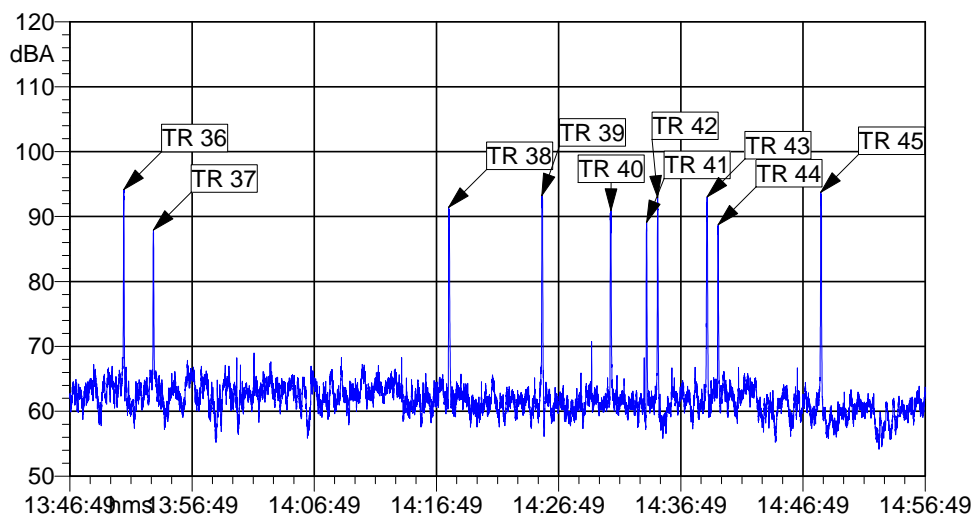
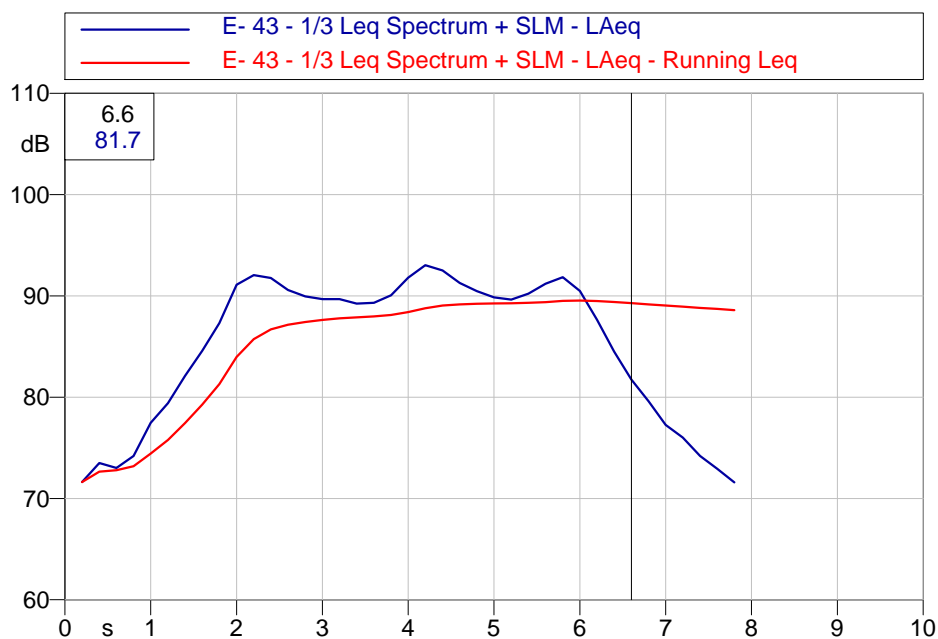
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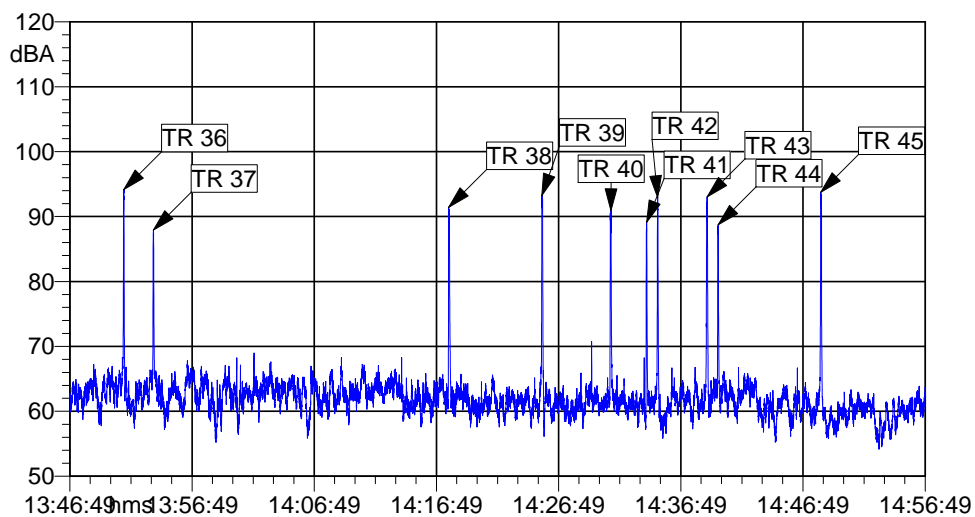
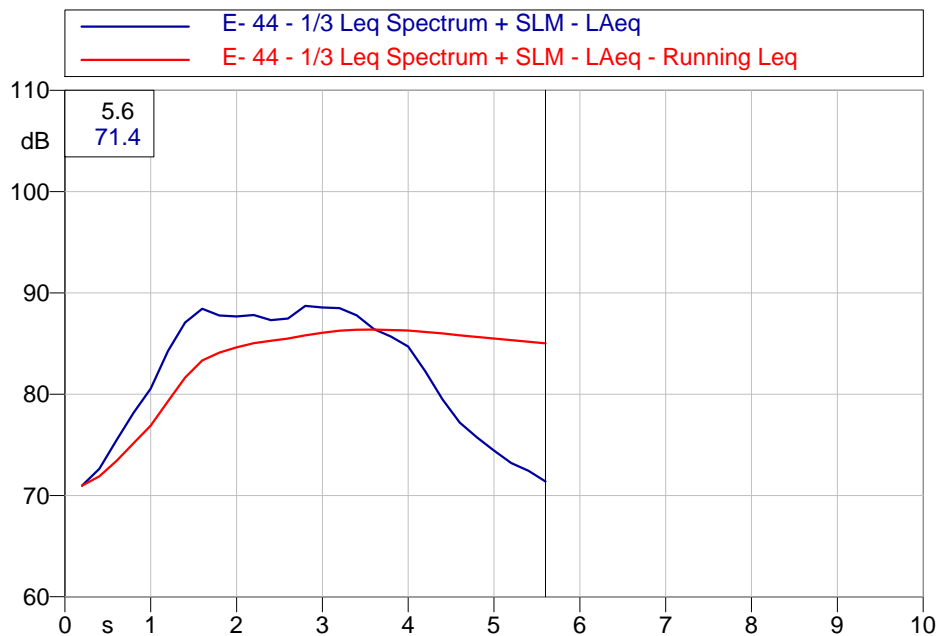
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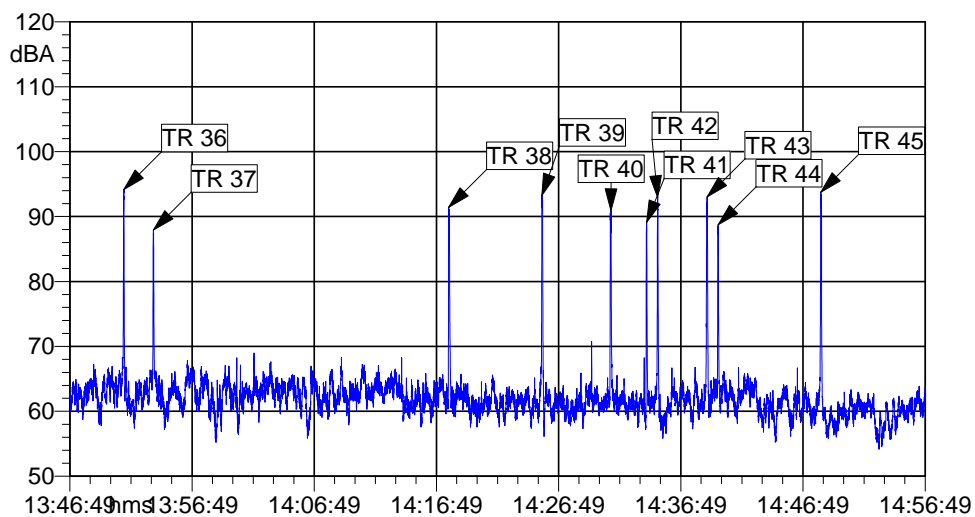
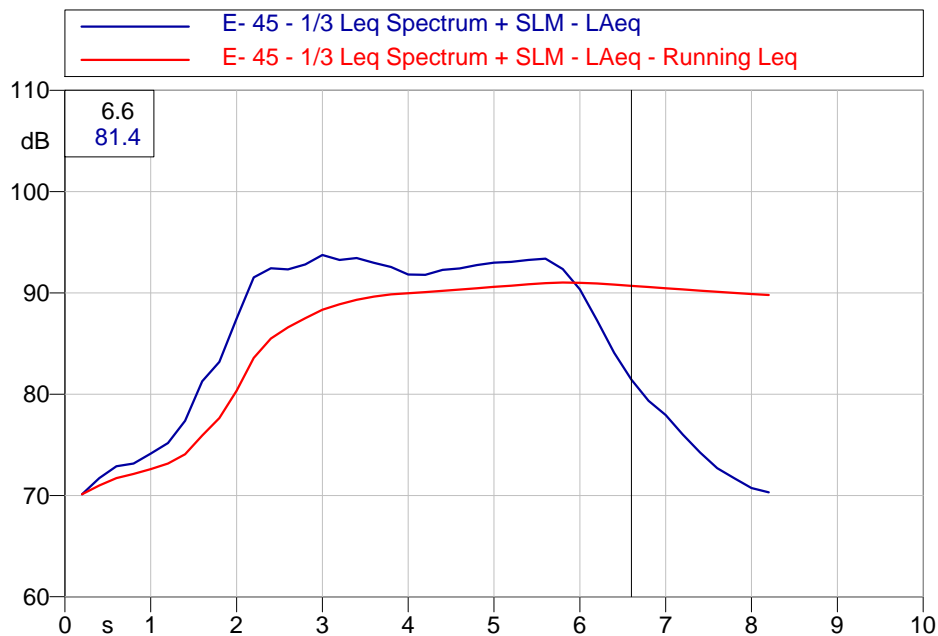
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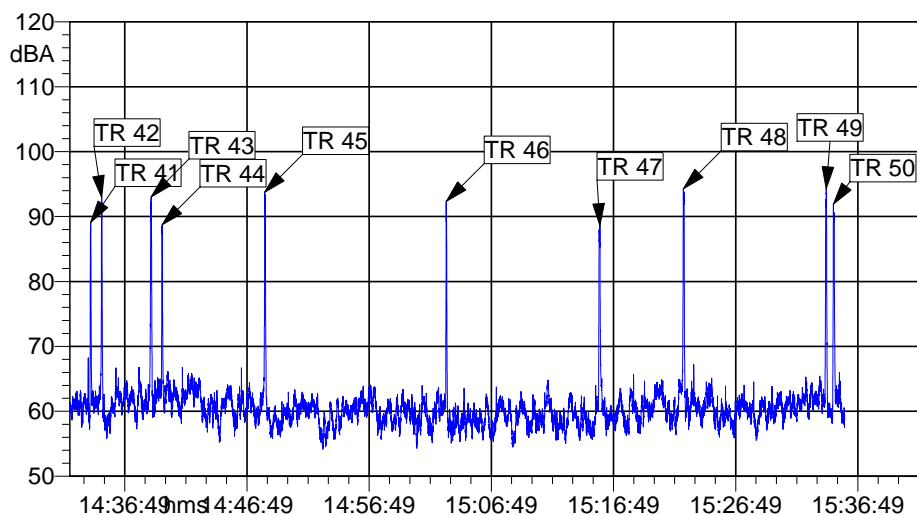
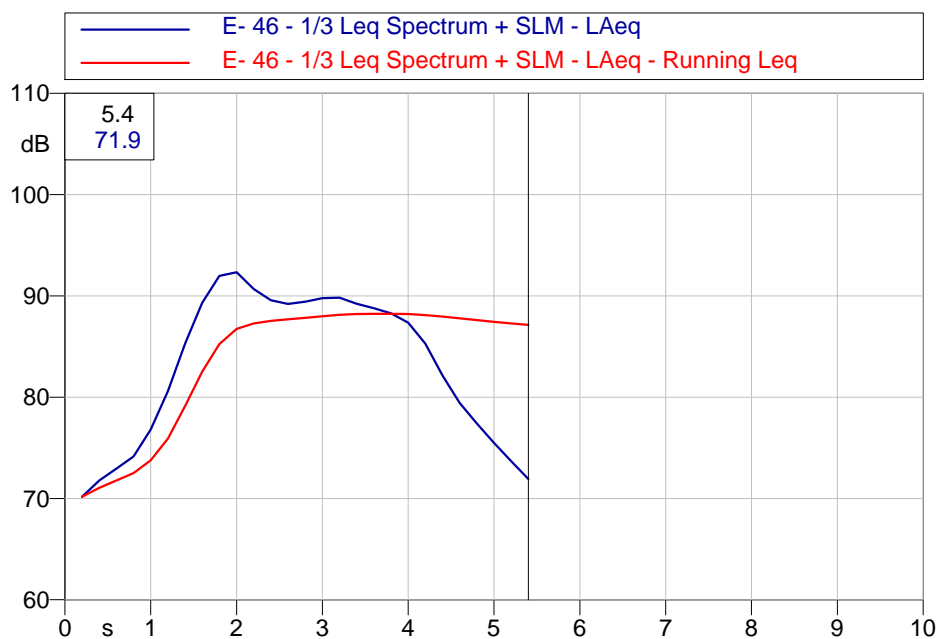
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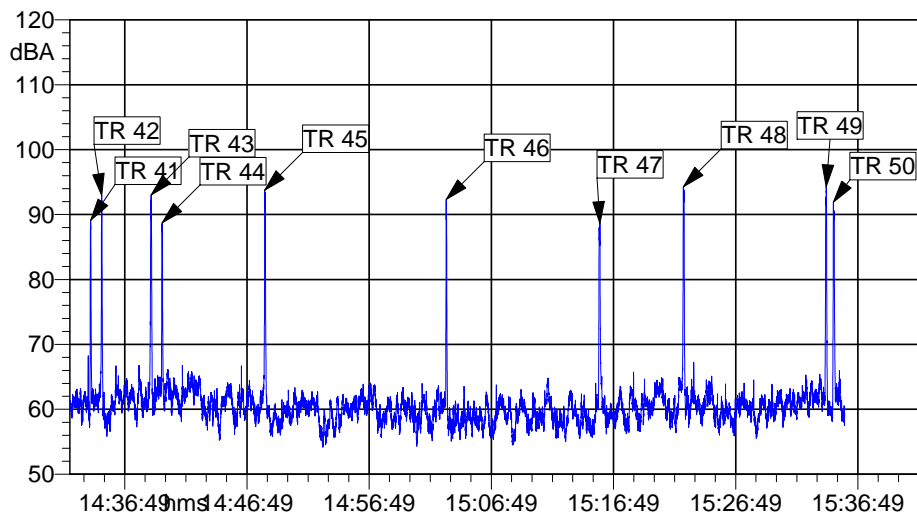
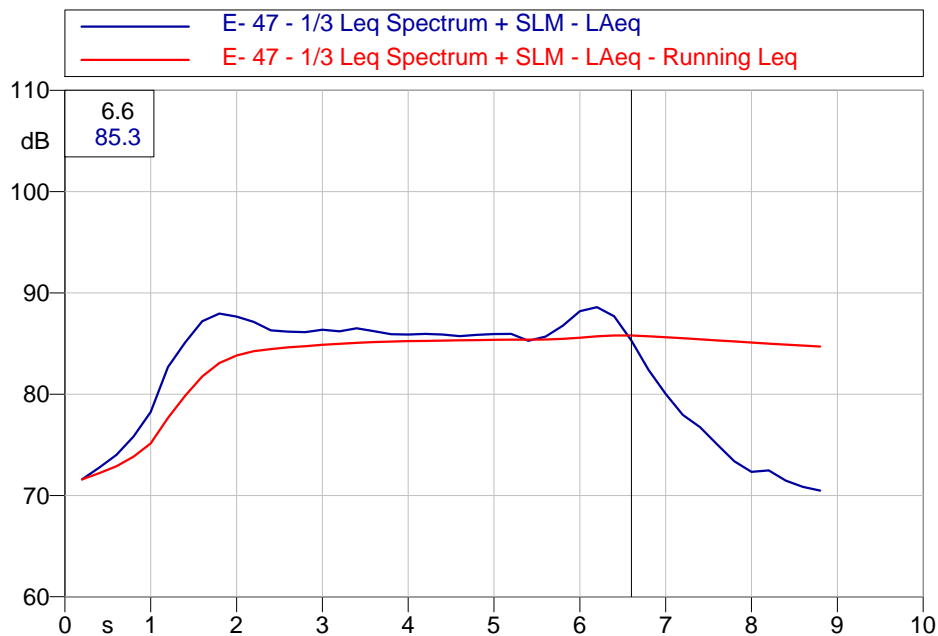
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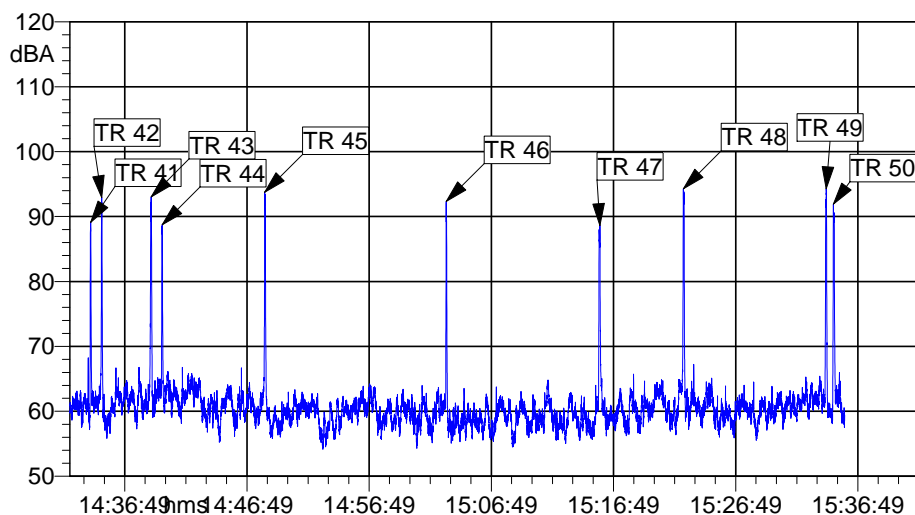
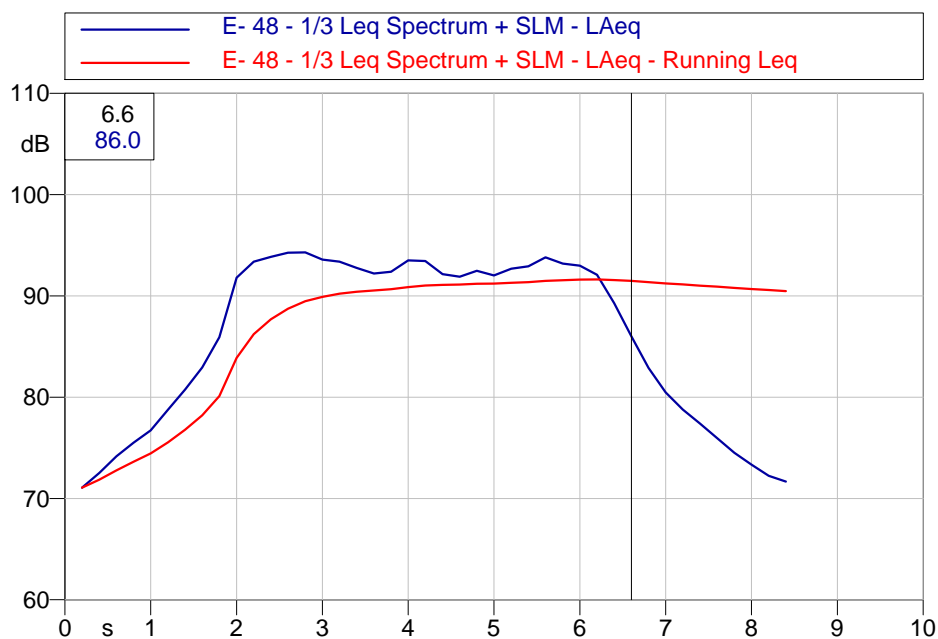
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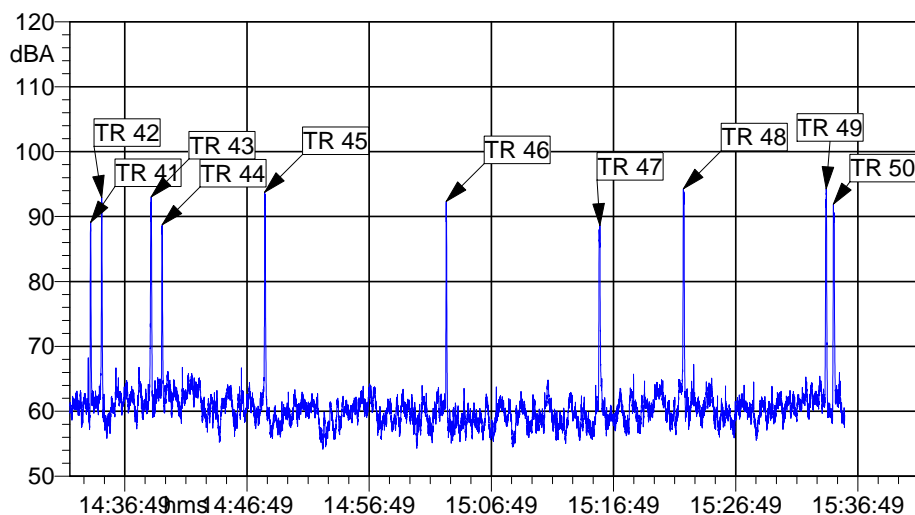
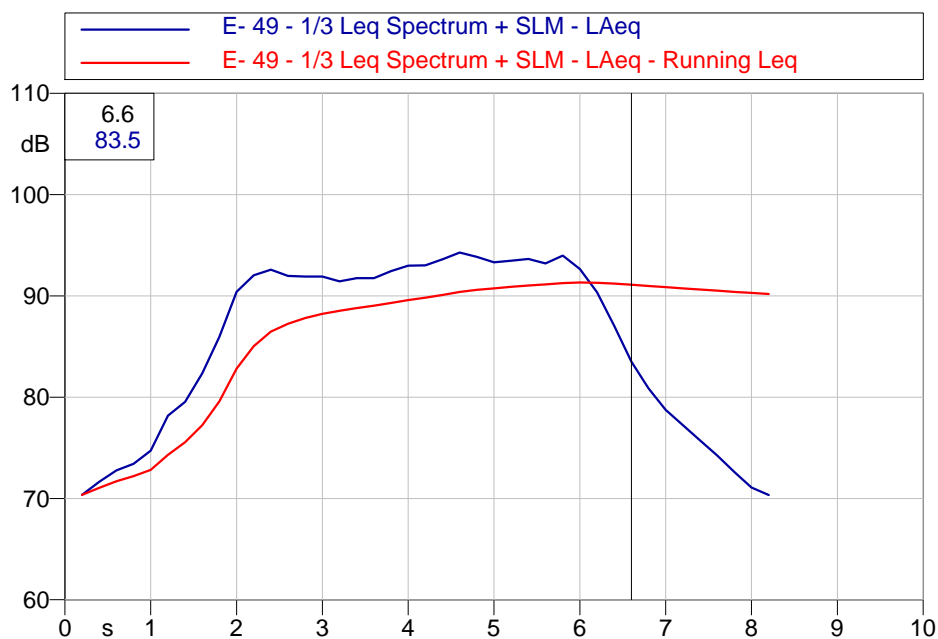
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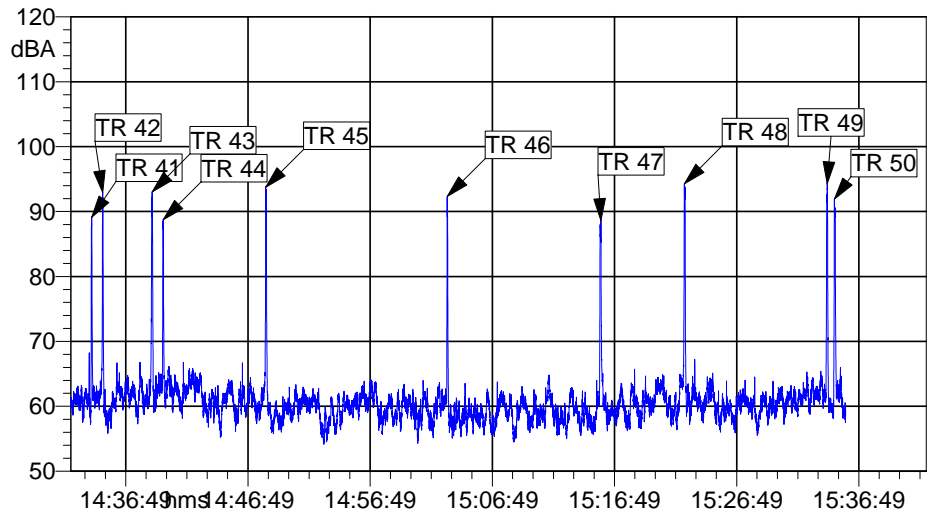
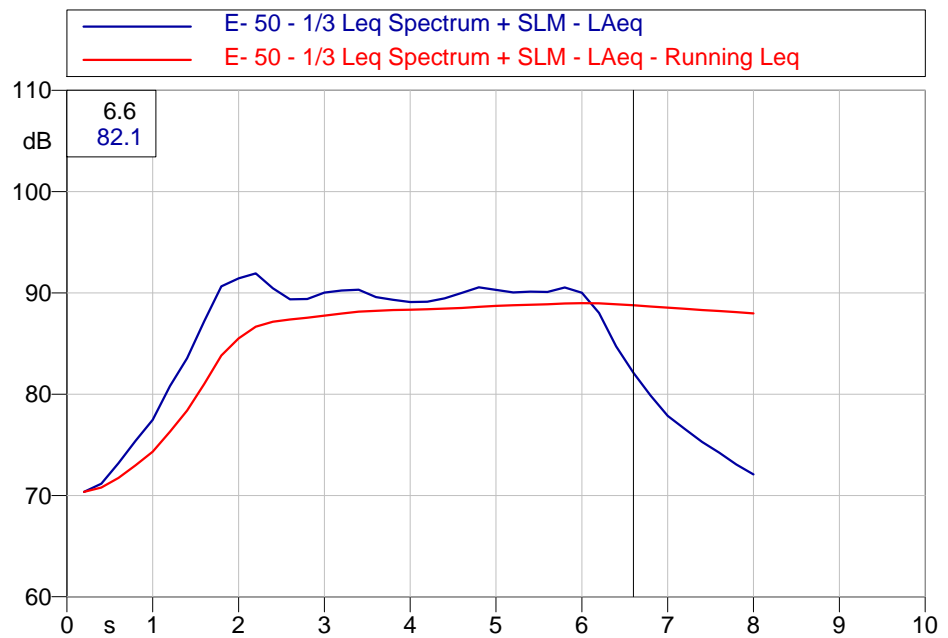
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| ID Transito | Data Passaggio | Ora | Trazione | Tipo Convoglio | Categoria | Vagoni [n] | Lungh. [m] | Velocità [km/h] | Bin. | Dir. | Note | Durata [s] | Sintesi [dB(A)] | | |
|-------------|----------------|----------|-----------|----------------|-----------|------------|------------|-----------------|------|------|------|------------|------------------|-----------------|-------------------|
| | | | | | | | | | | | | | L _{Aeq} | L _{AE} | L _{Amax} |
| 1 | 19/11/2014 | 9.09.26 | Elettrica | Italo | AV | 11 | 200 | 202 | 2 | NORD | | 3,2 | 90,9 | 95,9 | 93,4 |
| 2 | 19/11/2014 | 9.17.51 | Elettrica | Freccia Rossa | AV | 13 | 328 | 223 | 1 | SUD | | 5,6 | 87,8 | 95,3 | 89,5 |
| 3 | 19/11/2014 | 9.21.34 | Elettrica | Freccia Rossa | AV | 13 | 328 | 170 | 1 | SUD | | 6,0 | 86,9 | 94,7 | 88,5 |
| 4 | 19/11/2014 | 9.24.43 | Elettrica | Italo | AV | 11 | 200 | 176 | 1 | SUD | | 3,8 | 84,1 | 89,9 | 86,2 |
| 5 | 19/11/2014 | 9.37.47 | Elettrica | Freccia Rossa | AV | 13 | 328 | 172 | 2 | NORD | | 5,0 | 90,5 | 97,5 | 92,3 |
| 6 | 19/11/2014 | 9.41.04 | Elettrica | Freccia Rossa | AV | 13 | 328 | 162 | 1 | SUD | | 5,8 | 87,1 | 94,7 | 89,0 |
| 7 | 19/11/2014 | 9.41.52 | Elettrica | Freccia Rossa | AV | 13 | 328 | 165 | 2 | NORD | | 4,6 | 93,5 | 100,1 | 97,1 |
| 8 | 19/11/2014 | 9.43.56 | Elettrica | Italo | AV | 11 | 200 | 155 | 1 | SUD | | 3,4 | 87,9 | 93,2 | 90,0 |
| 9 | 19/11/2014 | 9.46.32 | Elettrica | Italo | AV | 11 | 200 | 153 | 1 | SUD | | 3,8 | 85,0 | 90,8 | 86,9 |
| 10 | 19/11/2014 | 9.49.48 | Elettrica | Freccia Rossa | AV | 13 | 328 | 200 | 2 | NORD | | 5,0 | 90,2 | 97,2 | 92,4 |
| 11 | 19/11/2014 | 10.06.34 | Elettrica | Italo | AV | 11 | 200 | 216 | 1 | SUD | | 4,6 | 89,5 | 96,1 | 95,3 |
| 12 | 19/11/2014 | 10.16.02 | Elettrica | Freccia Rossa | AV | 13 | 328 | 207 | 1 | SUD | | 5,4 | 89,4 | 96,7 | 91,3 |
| 13 | 19/11/2014 | 10.20.08 | Elettrica | Freccia Rossa | AV | 13 | 328 | 193 | 2 | NORD | | 9,6 | 91,2 | 101,0 | 94,6 |
| 14 | 19/11/2014 | 10.23.31 | Elettrica | Freccia Rossa | AV | 12 | 302 | 177 | 1 | SUD | | 5,8 | 86,7 | 94,3 | 89,0 |
| 15 | 19/11/2014 | 10.35.43 | Elettrica | Freccia Rossa | AV | 13 | 328 | 152 | 1 | SUD | | 5,0 | 92,7 | 99,7 | 94,5 |
| 16 | 19/11/2014 | 10.37.07 | Elettrica | Freccia Rossa | AV | 13 | 328 | 193 | 1 | SUD | | 5,2 | 90,5 | 97,7 | 92,8 |
| 17 | 19/11/2014 | 10.56.13 | Elettrica | Freccia Rossa | AV | 13 | 328 | 159 | 2 | NORD | | 3,6 | 86,8 | 92,3 | 88,9 |
| 18 | 19/11/2014 | 11.06.32 | Elettrica | Italo | AV | 11 | 200 | 175 | 1 | SUD | | 3,2 | 90,3 | 95,4 | 92,8 |
| 19 | 19/11/2014 | 11.24.38 | Elettrica | Italo | AV | 11 | 200 | 160 | 2 | NORD | | 5,2 | 89,1 | 96,3 | 93,0 |
| 20 | 19/11/2014 | 11.27.06 | Elettrica | Freccia Rossa | AV | 13 | 328 | 193 | 1 | SUD | | 5,2 | 91,2 | 98,3 | 93,0 |
| 21 | 19/11/2014 | 11.33.55 | Elettrica | Freccia Rossa | AV | 13 | 328 | 235 | 2 | NORD | | 5,8 | 87,2 | 94,8 | 88,6 |
| 22 | 19/11/2014 | 11.37.04 | Elettrica | Freccia Rossa | AV | 13 | 328 | 196 | 1 | SUD | | 4,8 | 91,9 | 98,7 | 94,1 |
| 23 | 19/11/2014 | 11.44.20 | Elettrica | Freccia Rossa | AV | 13 | 328 | 187 | 2 | NORD | | 3,8 | 85,7 | 91,5 | 88,0 |
| 24 | 19/11/2014 | 12.18.29 | Elettrica | Italo | AV | 11 | 200 | 169 | 1 | SUD | | 4,8 | 90,2 | 97,0 | 92,0 |
| 25 | 19/11/2014 | 12.21.26 | Elettrica | Freccia Rossa | AV | 12 | 302 | 181 | 1 | SUD | | 5,0 | 91,1 | 98,1 | 92,9 |
| 26 | 19/11/2014 | 12.25.26 | Elettrica | Freccia Rossa | AV | 13 | 328 | 202 | 2 | NORD | | 5,2 | 89,5 | 96,6 | 91,3 |
| 27 | 19/11/2014 | 12.32.02 | Elettrica | Freccia Rossa | AV | 13 | 328 | 198 | 1 | SUD | | 5,0 | 89,9 | 96,9 | 94,1 |
| 28 | 19/11/2014 | 12.34.50 | Elettrica | Freccia Rossa | AV | 13 | 328 | 166 | 1 | SUD | | 5,0 | 91,4 | 98,3 | 93,0 |
| 29 | 19/11/2014 | 12.40.18 | Elettrica | Freccia Rossa | AV | 13 | 328 | 187 | 2 | NORD | | 4,6 | 81,4 | 88,0 | 84,8 |
| 30 | 19/11/2014 | 13.09.00 | Elettrica | Italo | AV | 11 | 200 | 103 | 1 | SUD | | 3,4 | 89,4 | 94,7 | 91,6 |
| 31 | 19/11/2014 | 13.20.05 | Elettrica | Italo | AV | 11 | 200 | 191 | 2 | NORD | | 5,4 | 89,0 | 96,3 | 91,3 |
| 32 | 19/11/2014 | 13.22.53 | Elettrica | Freccia Rossa | AV | 13 | 328 | 197 | 1 | SUD | | 5,2 | 91,6 | 98,8 | 93,3 |
| 33 | 19/11/2014 | 13.23.43 | Elettrica | Freccia Rossa | AV | 13 | 328 | 188 | 2 | NORD | | 5,4 | 87,9 | 95,3 | 90,0 |
| 34 | 19/11/2014 | 13.35.47 | Elettrica | Freccia Rossa | AV | 13 | 328 | 210 | 1 | SUD | | 4,8 | 91,9 | 98,7 | 93,1 |
| 35 | 19/11/2014 | 13.36.24 | Elettrica | Freccia Rossa | AV | 13 | 328 | 198 | 2 | NORD | | 5,2 | 89,2 | 96,4 | 91,9 |
| 36 | 19/11/2014 | 13.51.11 | Elettrica | Freccia Rossa | AV | 13 | 328 | 211 | 1 | SUD | | 3,0 | 92,0 | 96,7 | 94,1 |
| 37 | 19/11/2014 | 13.53.37 | Elettrica | Italo | AV | 11 | 200 | 198 | 2 | NORD | | 3,6 | 86,1 | 91,7 | 87,9 |
| 38 | 19/11/2014 | 14.17.47 | Elettrica | Italo | AV | 11 | 200 | 122 | 1 | SUD | | 5,2 | 89,7 | 96,9 | 91,4 |
| 39 | 19/11/2014 | 14.25.24 | Elettrica | Freccia Rossa | AV | 13 | 328 | 163 | 1 | SUD | | 5,2 | 91,8 | 98,9 | 93,2 |
| 40 | 19/11/2014 | 14.31.01 | Elettrica | Freccia Rossa | AV | 13 | 328 | 179 | 2 | NORD | | 5,4 | 88,7 | 96,0 | 90,9 |
| 41 | 19/11/2014 | 14.33.59 | Elettrica | Freccia Rossa | AV | 13 | 328 | 201 | 1 | SUD | | 3,6 | 86,8 | 92,4 | 89,1 |
| 42 | 19/11/2014 | 14.34.53 | Elettrica | Italo | AV | 11 | 200 | 135 | 1 | SUD | | 3,2 | 90,9 | 95,9 | 92,9 |
| 43 | 19/11/2014 | 14.38.54 | Elettrica | Italo | AV | 11 | 200 | 139 | 2 | NORD | | 5,0 | 90,4 | 97,4 | 93,0 |
| 44 | 19/11/2014 | 14.39.50 | Elettrica | Freccia Rossa | AV | 13 | 328 | 209 | 2 | NORD | | 3,6 | 86,8 | 92,4 | 88,7 |
| 45 | 19/11/2014 | 14.48.13 | Elettrica | Italo | AV | 11 | 200 | 128 | 1 | SUD | | 4,6 | 92,2 | 98,8 | 93,7 |
| 46 | 19/11/2014 | 15.03.06 | Elettrica | Freccia Rossa | AV | 12 | 302 | 162 | 2 | NORD | | 3,0 | 89,5 | 94,3 | 92,3 |
| 47 | 19/11/2014 | 15.15.36 | Elettrica | Italo | AV | 11 | 200 | 148 | 2 | NORD | | 6,0 | 86,2 | 94,0 | 88,6 |
| 48 | 19/11/2014 | 15.22.29 | Elettrica | Freccia Rossa | AV | 13 | 328 | 181 | 1 | SUD | | 5,0 | 92,6 | 99,6 | 94,3 |
| 49 | 19/11/2014 | 15.34.09 | Elettrica | Freccia Rossa | AV | 13 | 328 | 181 | 2 | NORD | | 4,8 | 92,4 | 99,2 | 94,3 |
| 50 | 19/11/2014 | 15.34.47 | Elettrica | Freccia Rossa | AV | 13 | 328 | 210 | 2 | NORD | | 5,4 | 89,6 | 96,9 | 91,9 |

POSTAZIONE DI MISURA PS01

RILIEVI FONOMETRICI DEL 20/11/2014

Punto: PS01

Localizzazione: km 34+400 Linea A.V./A.C. Milano - Bologna (Comune di Somaglia provincia Lodi)

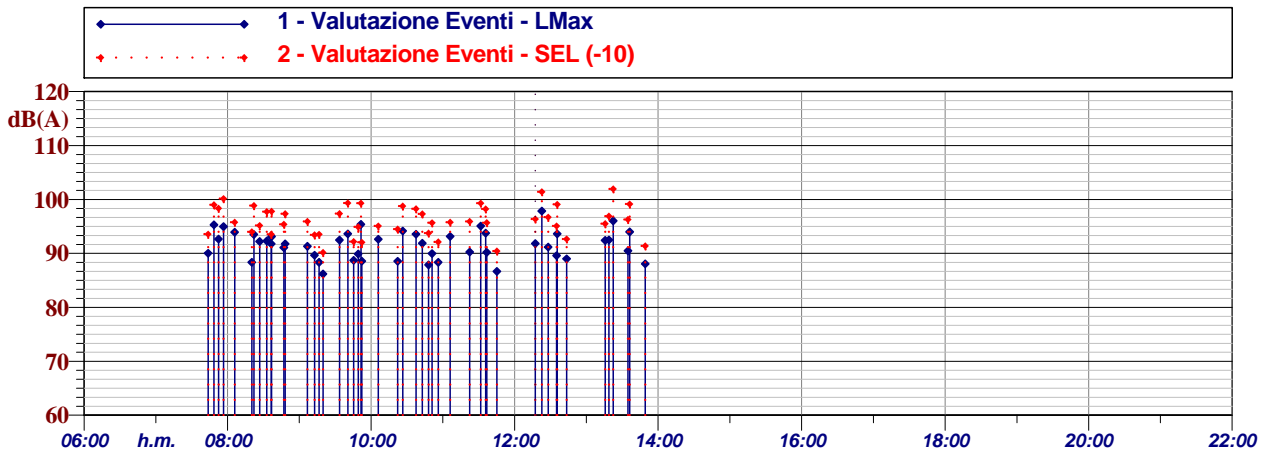
Data inizio: 19.11.2014 Ora inizio: 8:00:00 Data fine: 20.11.2014 Ora inizio: 14:00:00

Strumentazione: Larson Davis LXT n. 2877 - Certificato Taratura n. 146/6681 del 12/02/2014 Centro SIT n. 146

Descrizione: distanza di 25 m dal binario più prossimo - Altezza di 3,5 m dal piano del ferro

Note:

Valutazione Acustica Eventi - Misura del 20/11/2014



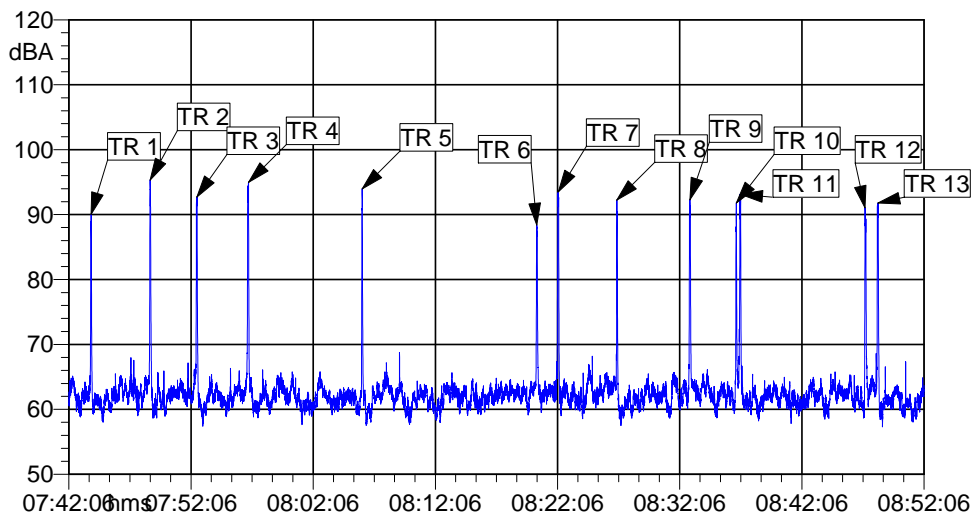
**Valutazione Eventi
SEL (-10)**

| h.m. | dB(A) | h.m. | dB(A) |
|----------|----------|----------|----------|
| 07:43:52 | 93.6 dB | 10:56:18 | 92.2 dB |
| 07:48:42 | 99.0 dB | 11:06:13 | 95.8 dB |
| 07:52:31 | 98.4 dB | 11:22:34 | 95.9 dB |
| 07:56:42 | 100.2 dB | 11:31:49 | 99.3 dB |
| 08:06:04 | 95.8 dB | 11:36:00 | 98.3 dB |
| 08:20:21 | 94.0 dB | 11:36:51 | 95.7 dB |
| 08:22:05 | 98.9 dB | 11:45:16 | 90.4 dB |
| 08:26:55 | 95.2 dB | 12:17:27 | 96.4 dB |
| 08:32:52 | 97.8 dB | 12:22:54 | 101.4 dB |
| 08:36:41 | 93.6 dB | 12:28:10 | 96.7 dB |
| 08:36:58 | 97.8 dB | 12:35:13 | 95.1 dB |
| 08:47:14 | 95.4 dB | 12:35:47 | 99.1 dB |
| 08:48:15 | 97.3 dB | 12:43:38 | 92.7 dB |
| 09:06:54 | 95.9 dB | 13:15:53 | 95.5 dB |
| 09:12:53 | 93.4 dB | 13:18:57 | 96.9 dB |
| 09:16:35 | 93.6 dB | 13:22:30 | 101.9 dB |
| 09:19:51 | 90.2 dB | 13:34:59 | 96.3 dB |
| 09:33:42 | 97.4 dB | 13:36:22 | 99.2 dB |
| 09:40:42 | 99.3 dB | 13:49:23 | 91.4 dB |
| 09:45:32 | 92.2 dB | | |
| 09:49:23 | 94.9 dB | | |
| 09:51:36 | 99.3 dB | | |
| 09:52:25 | 92.1 dB | | |
| 10:06:12 | 95.1 dB | | |
| 10:22:20 | 94.5 dB | | |
| 10:26:30 | 98.8 dB | | |
| 10:37:37 | 98.3 dB | | |
| 10:42:57 | 97.3 dB | | |
| 10:48:12 | 93.8 dB | | |
| 10:51:05 | 95.7 dB | | |

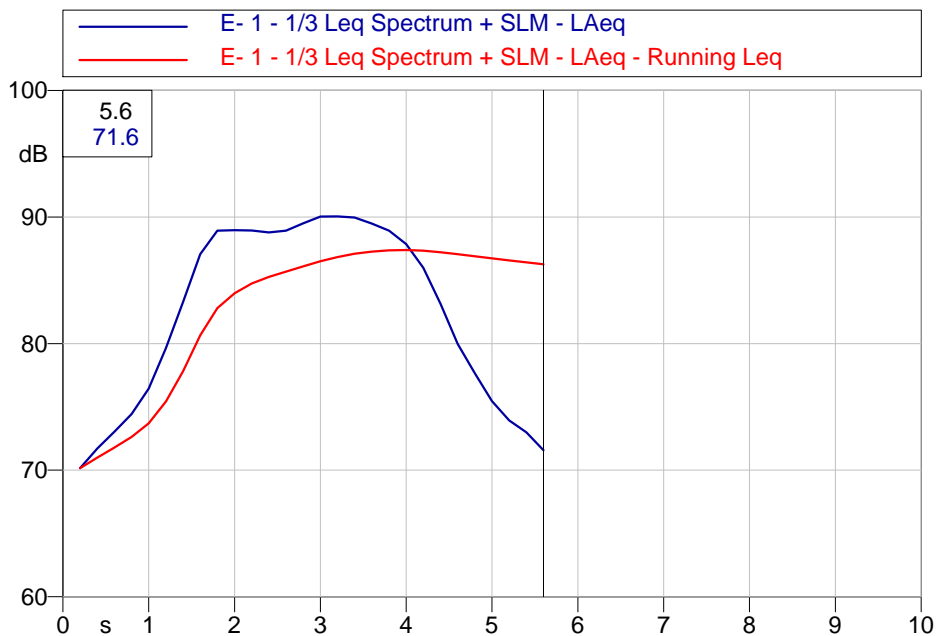
**Valutazione Eventi
LMax**

| h.m. | dB(A) | h.m. | dB(A) |
|----------|---------|----------|---------|
| 07:43:52 | 90.0 dB | 10:56:18 | 88.4 dB |
| 07:48:42 | 95.3 dB | 11:06:13 | 93.1 dB |
| 07:52:31 | 92.7 dB | 11:22:34 | 90.3 dB |
| 07:56:42 | 95.0 dB | 11:31:49 | 95.1 dB |
| 08:06:04 | 94.0 dB | 11:36:00 | 93.8 dB |
| 08:20:21 | 88.4 dB | 11:36:51 | 90.2 dB |
| 08:22:05 | 93.5 dB | 11:45:16 | 86.7 dB |
| 08:26:55 | 92.2 dB | 12:17:27 | 91.8 dB |
| 08:32:52 | 92.3 dB | 12:22:54 | 97.9 dB |
| 08:36:41 | 91.8 dB | 12:28:10 | 91.2 dB |
| 08:36:58 | 93.1 dB | 12:35:13 | 89.6 dB |
| 08:47:14 | 91.1 dB | 12:35:47 | 93.6 dB |
| 08:48:15 | 91.8 dB | 12:43:38 | 89.0 dB |
| 09:06:54 | 91.3 dB | 13:15:53 | 92.4 dB |
| 09:12:53 | 89.7 dB | 13:18:57 | 92.5 dB |
| 09:16:35 | 88.4 dB | 13:22:30 | 96.1 dB |
| 09:19:51 | 86.2 dB | 13:34:59 | 90.5 dB |
| 09:33:42 | 92.5 dB | 13:36:22 | 94.0 dB |
| 09:40:42 | 93.6 dB | 13:49:23 | 88.1 dB |
| 09:45:32 | 88.7 dB | | |
| 09:49:23 | 89.9 dB | | |
| 09:51:36 | 95.4 dB | | |
| 09:52:25 | 88.6 dB | | |
| 10:06:12 | 92.7 dB | | |
| 10:22:20 | 88.6 dB | | |
| 10:26:30 | 94.2 dB | | |
| 10:37:37 | 93.6 dB | | |
| 10:42:57 | 91.9 dB | | |
| 10:48:12 | 87.9 dB | | |
| 10:51:05 | 90.0 dB | | |

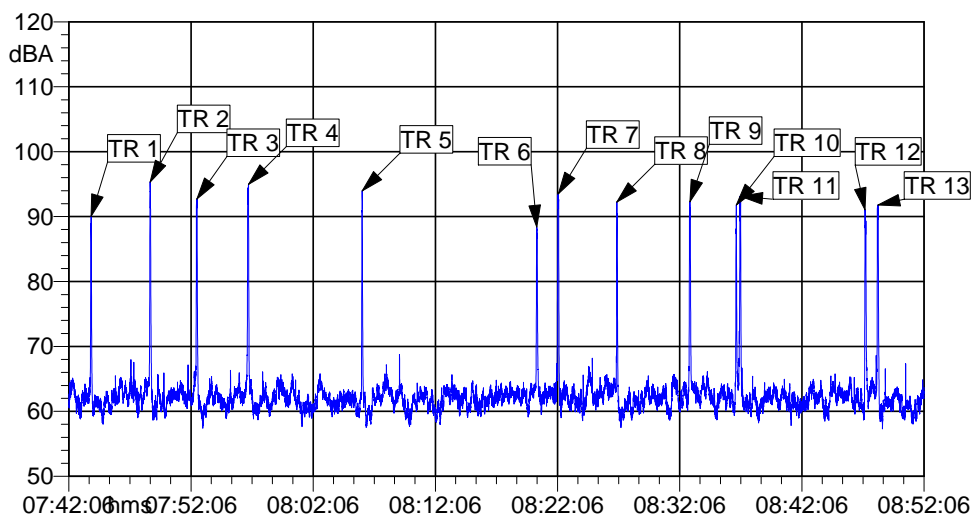
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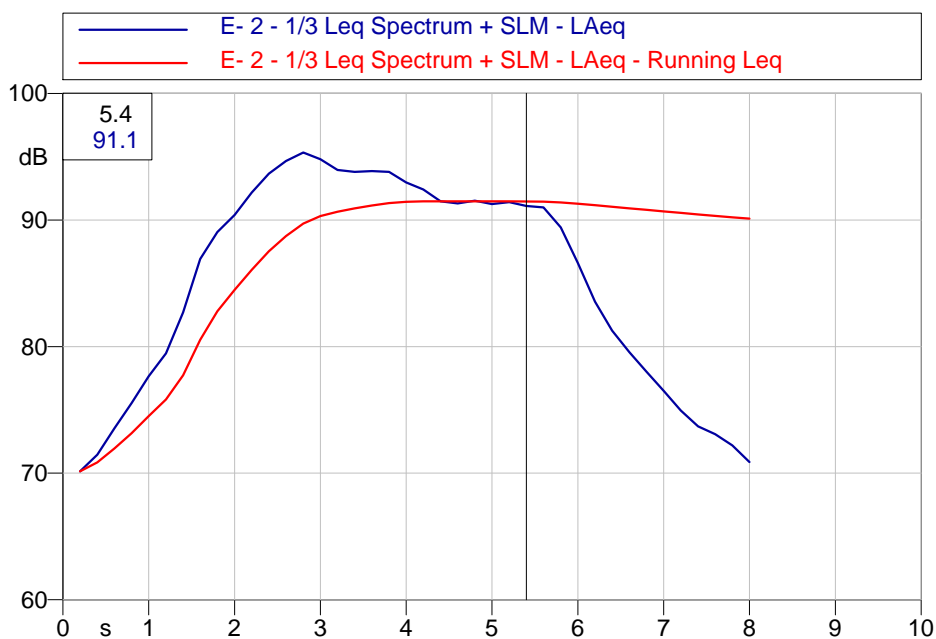
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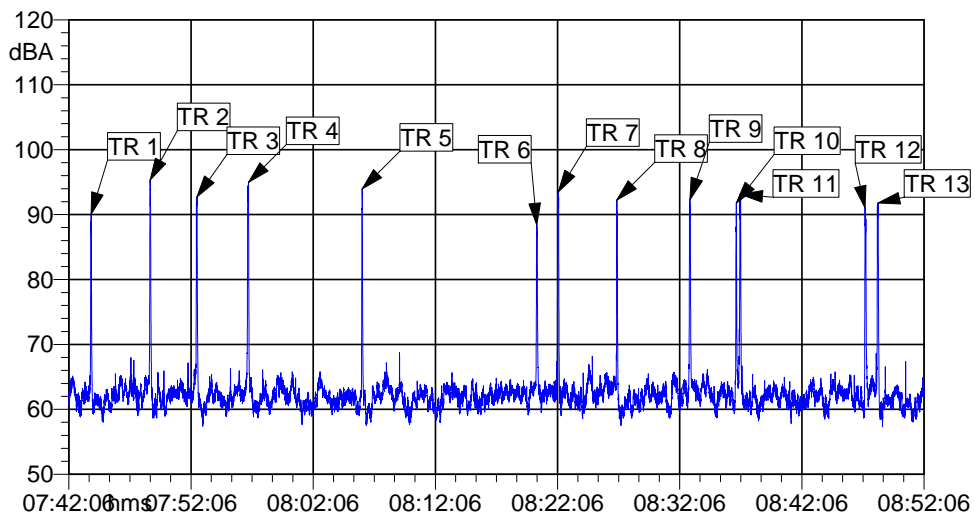
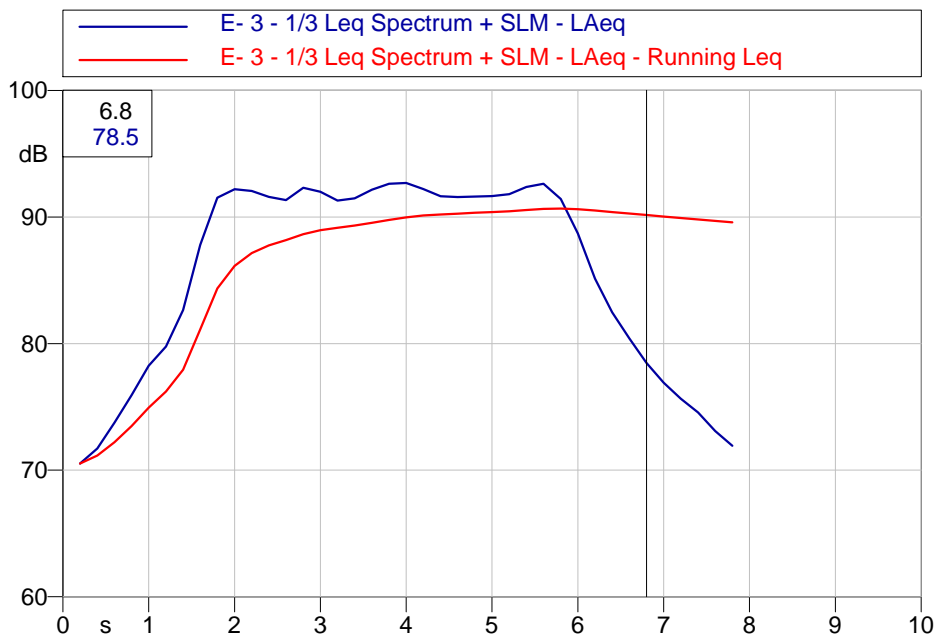


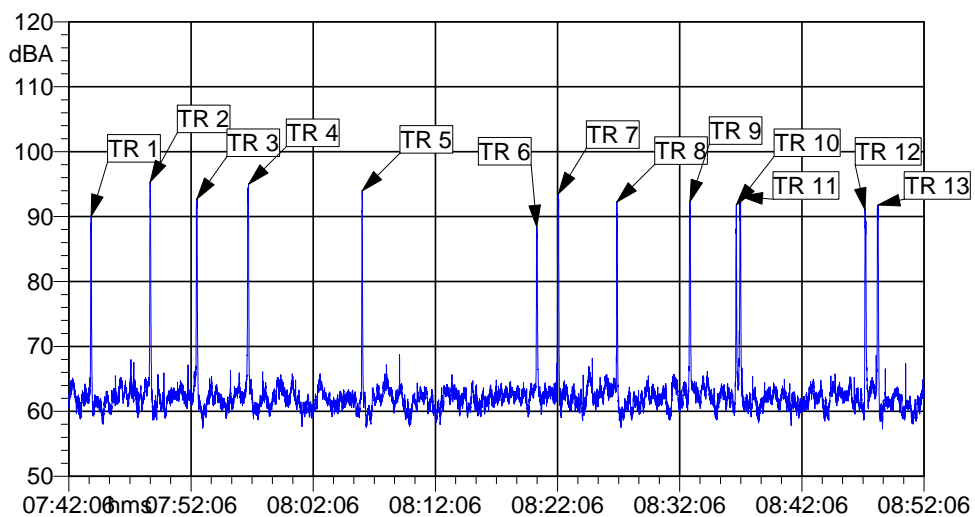
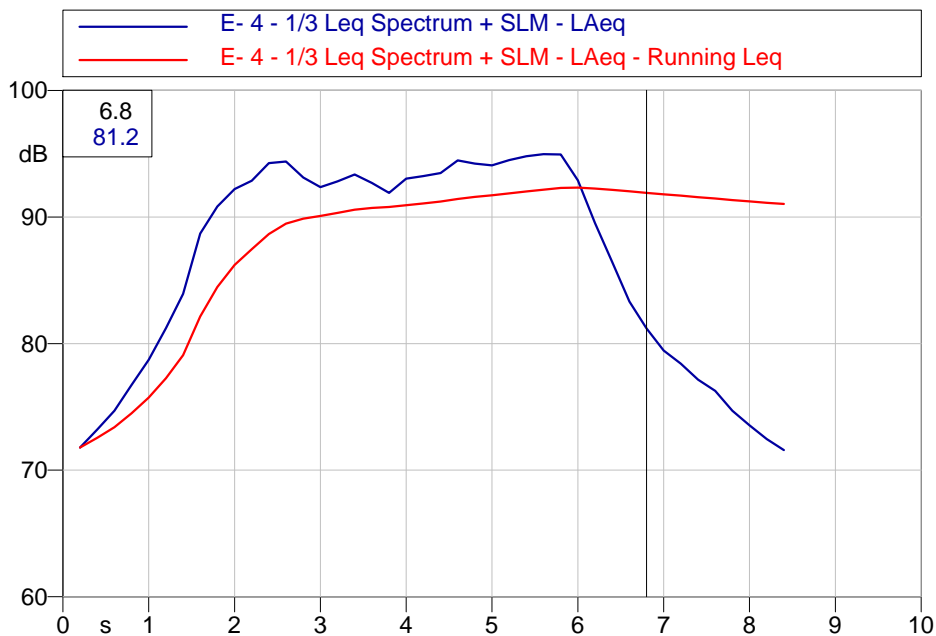
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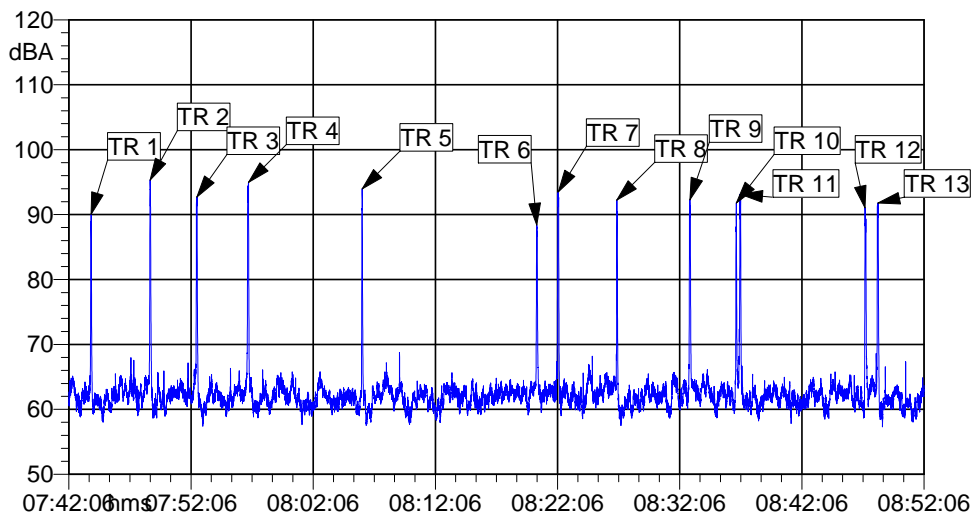
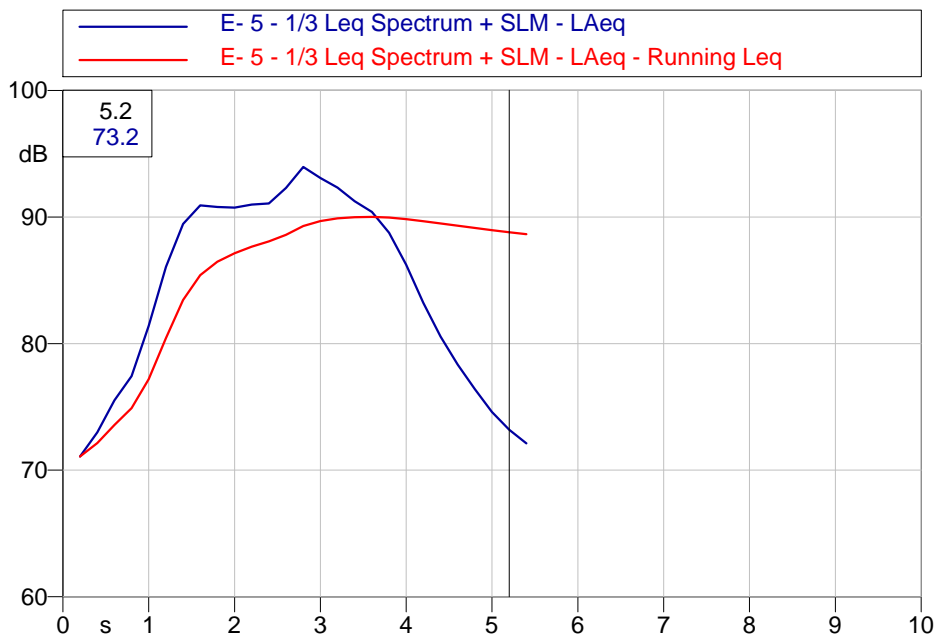


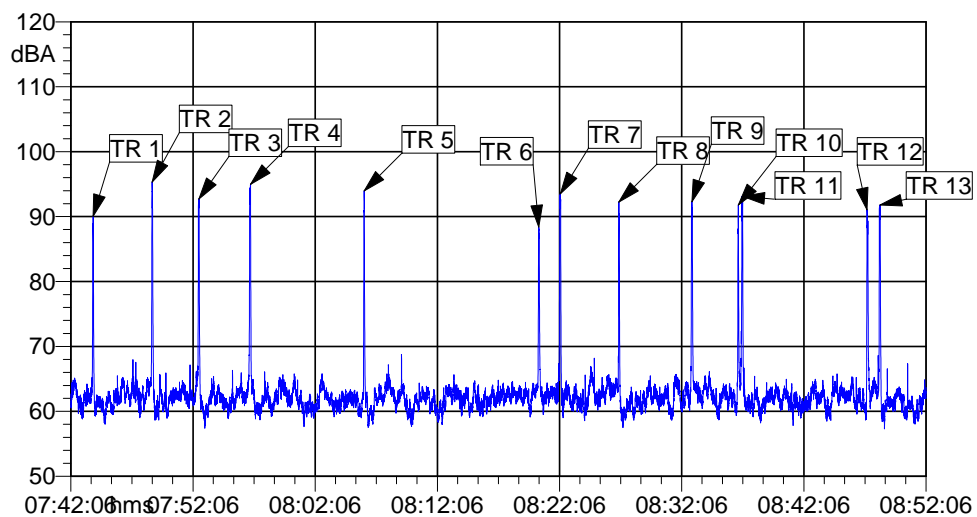
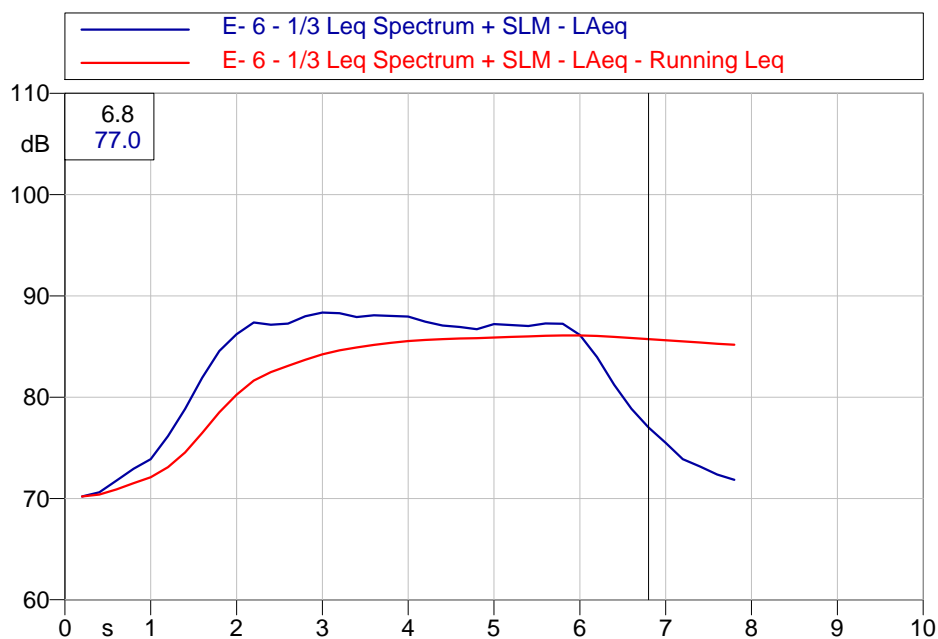
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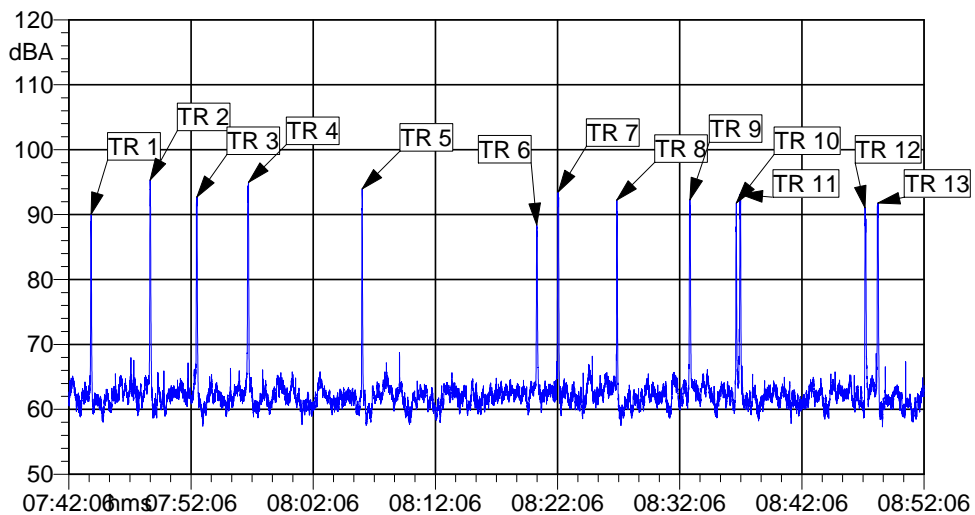
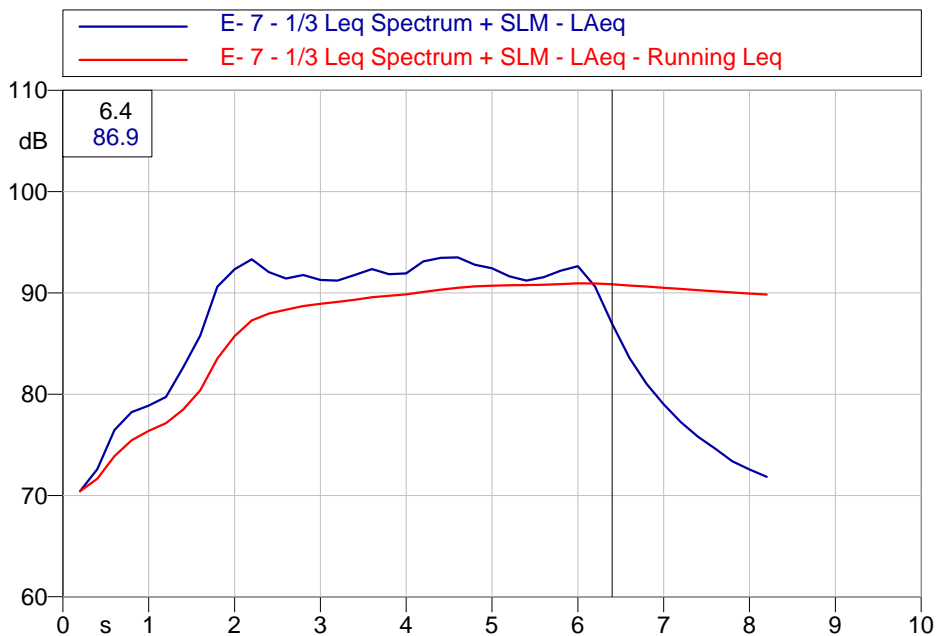


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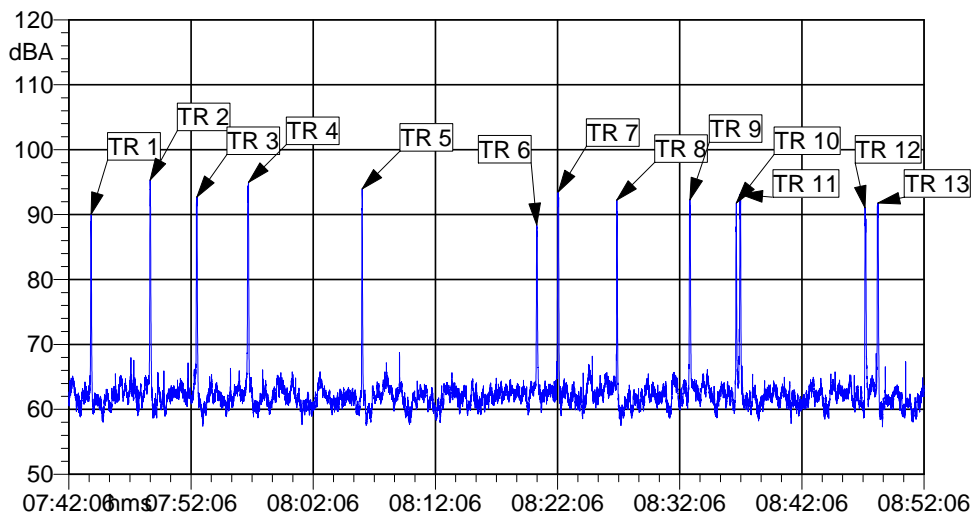
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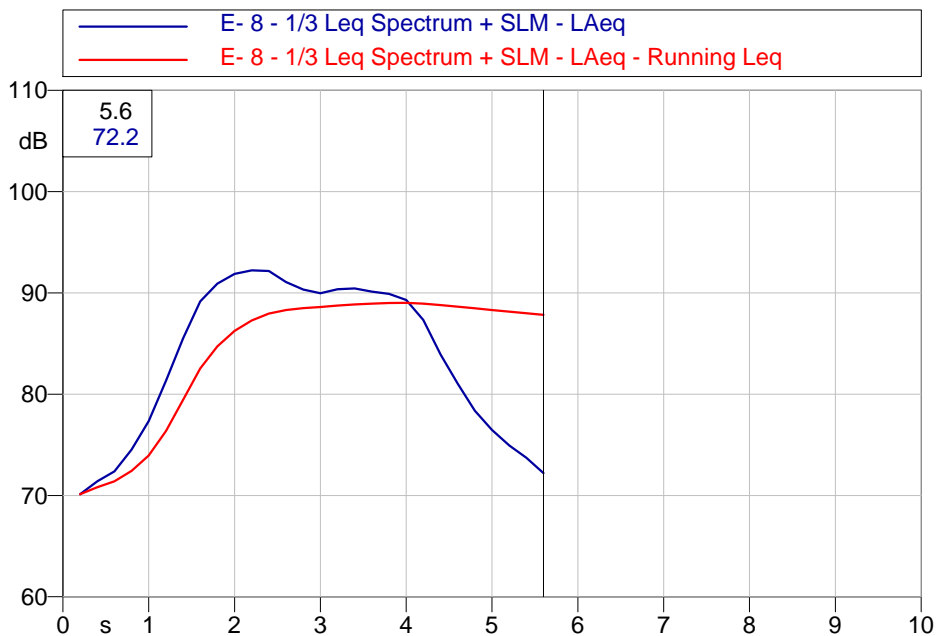
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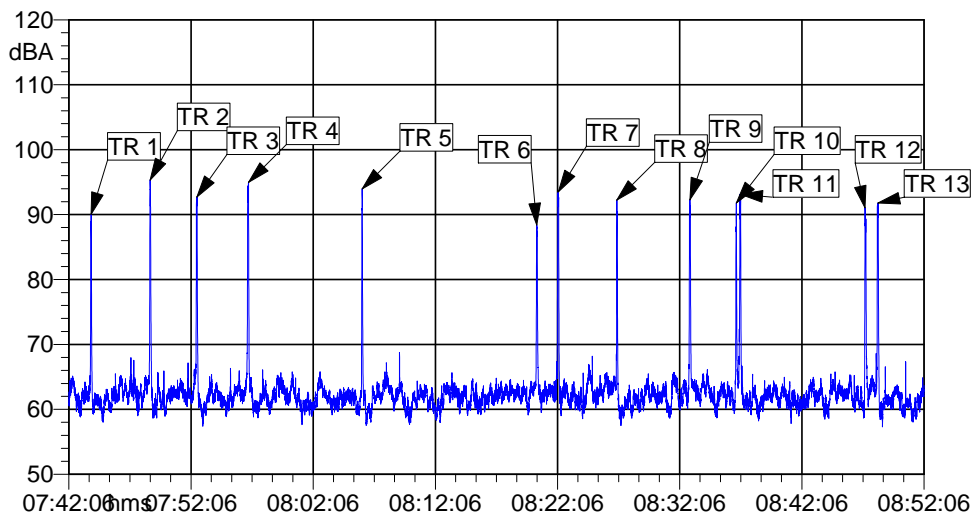
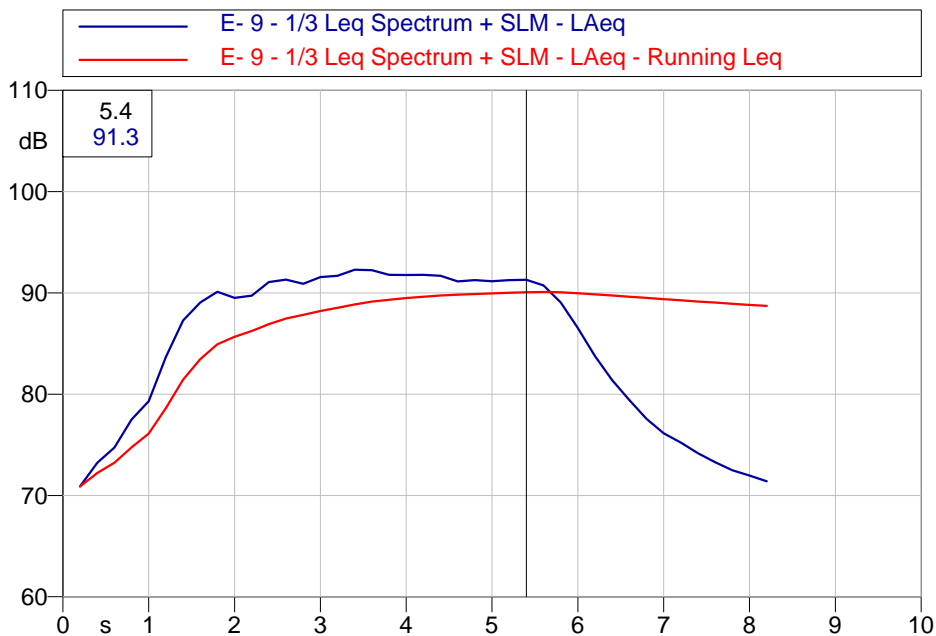
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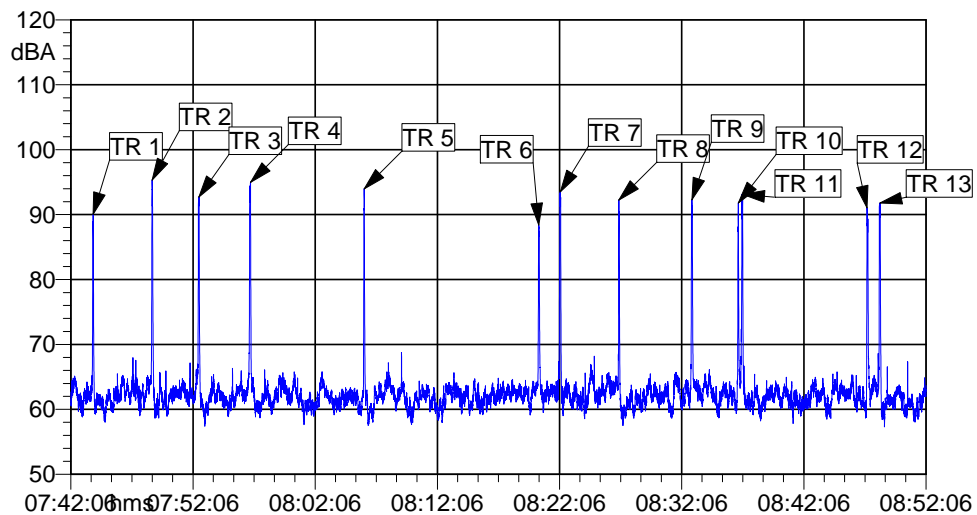
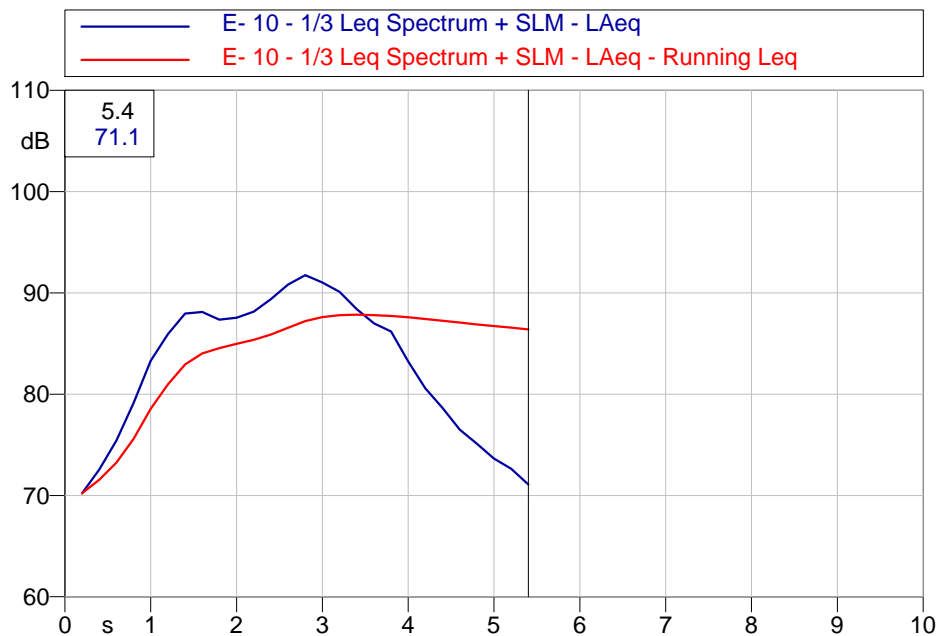
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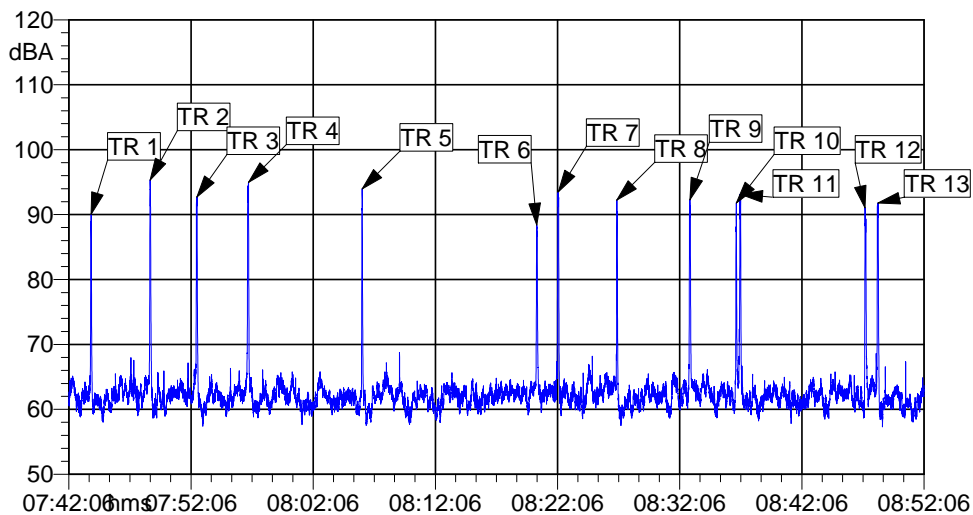
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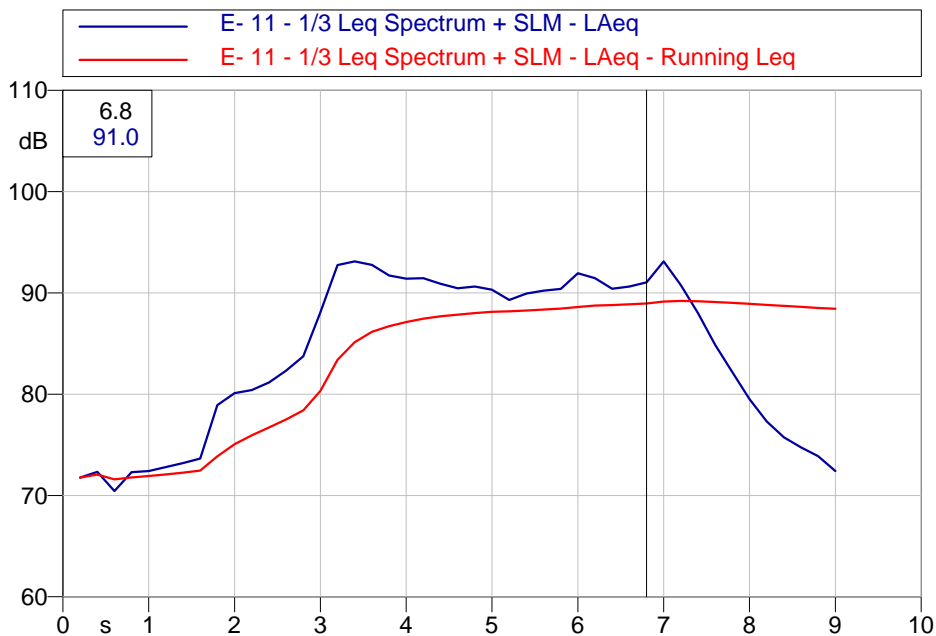
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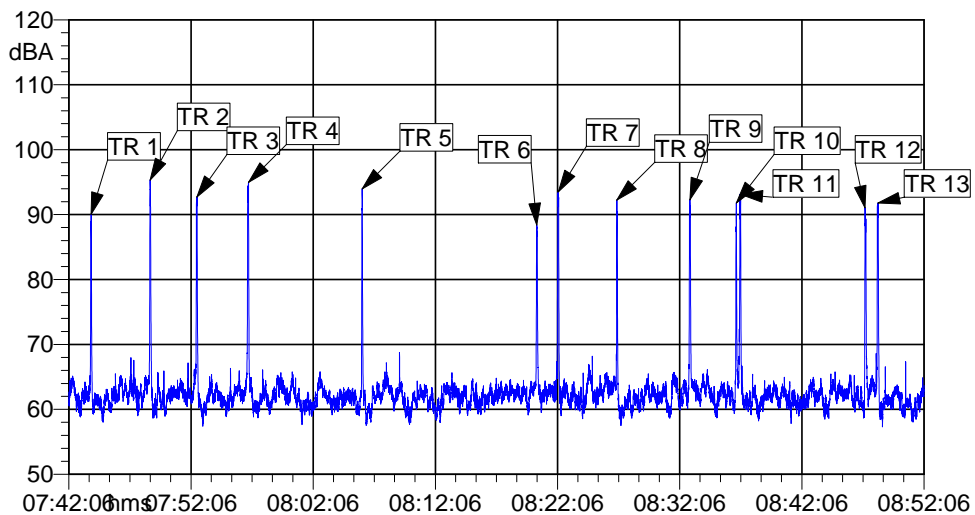
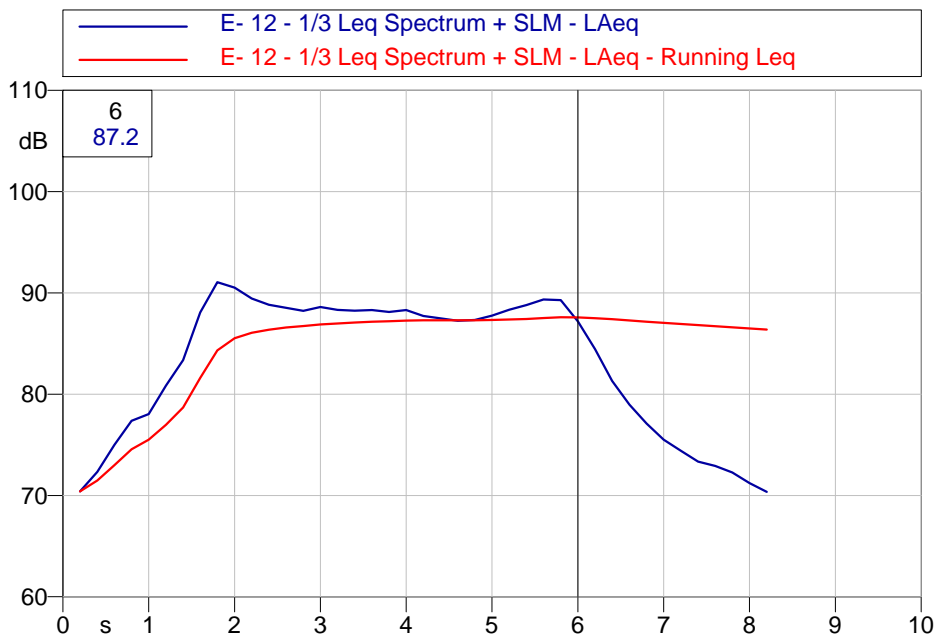
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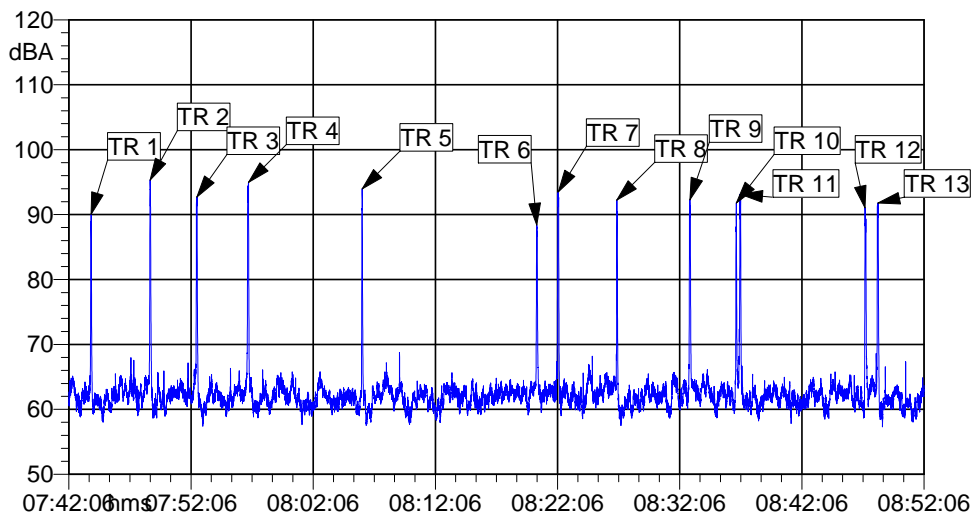
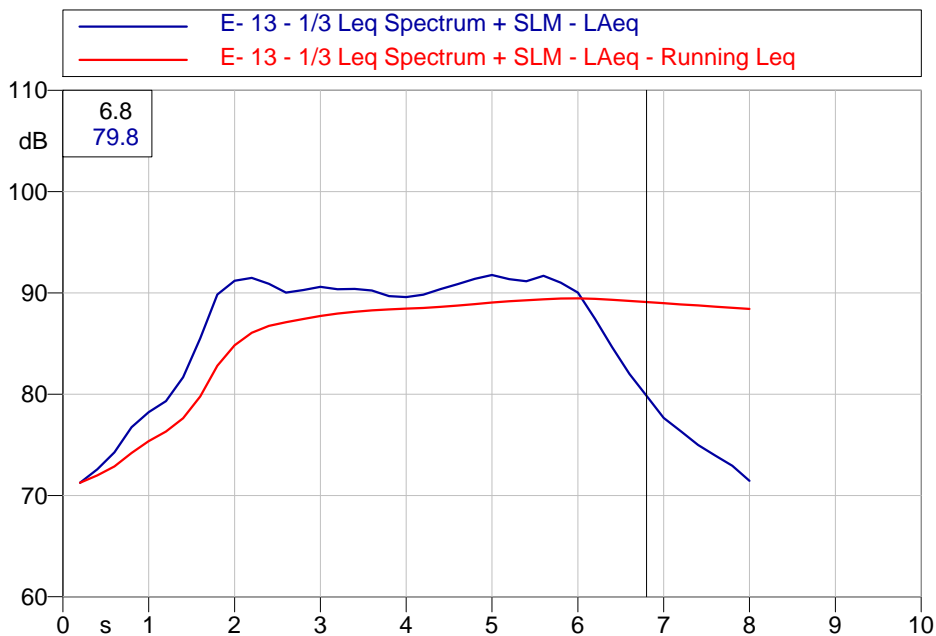
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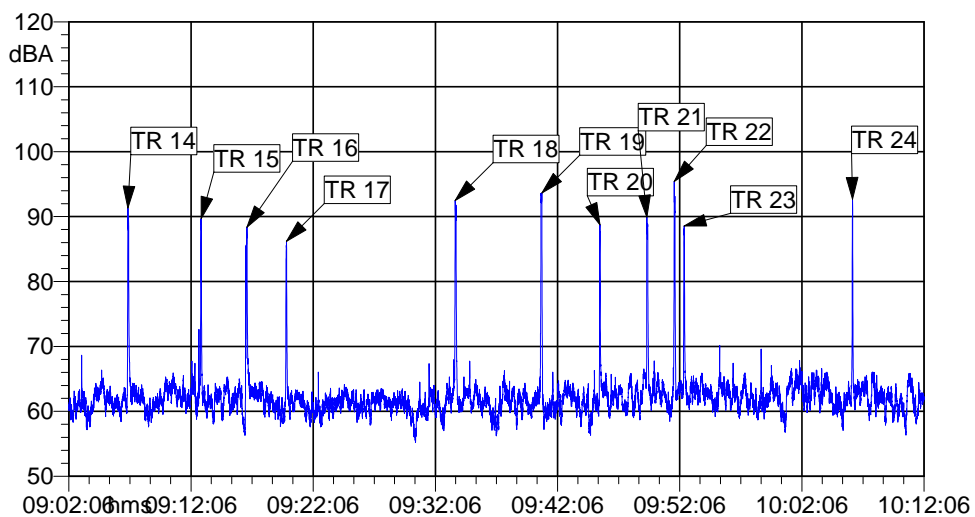
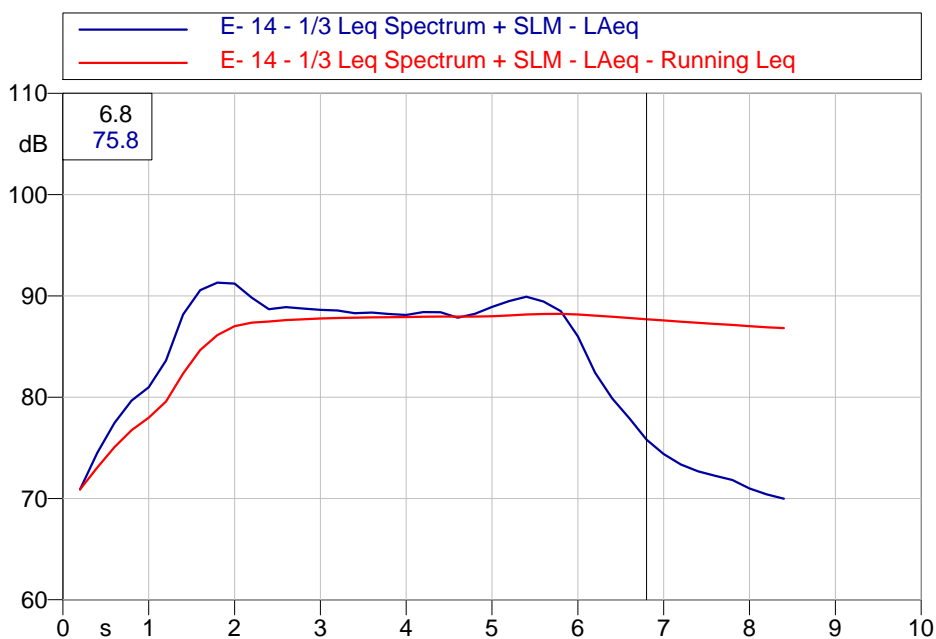


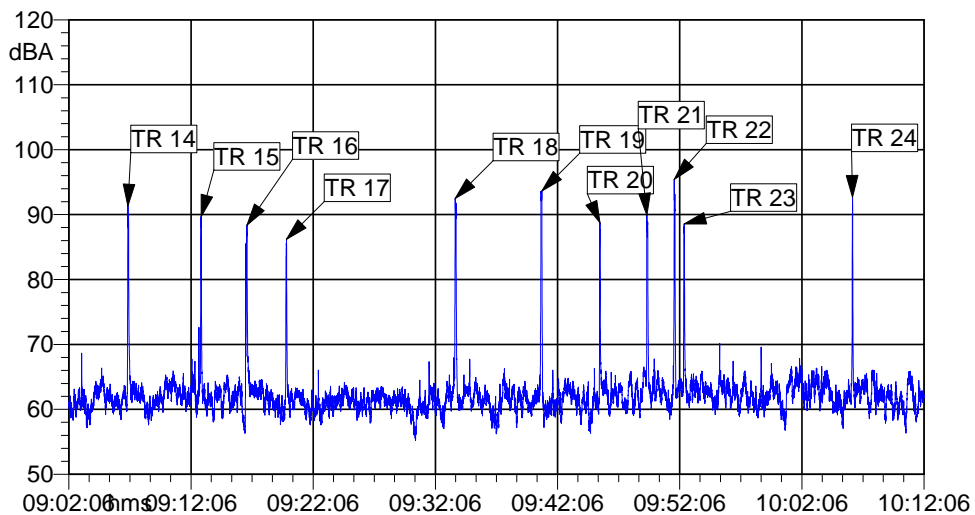
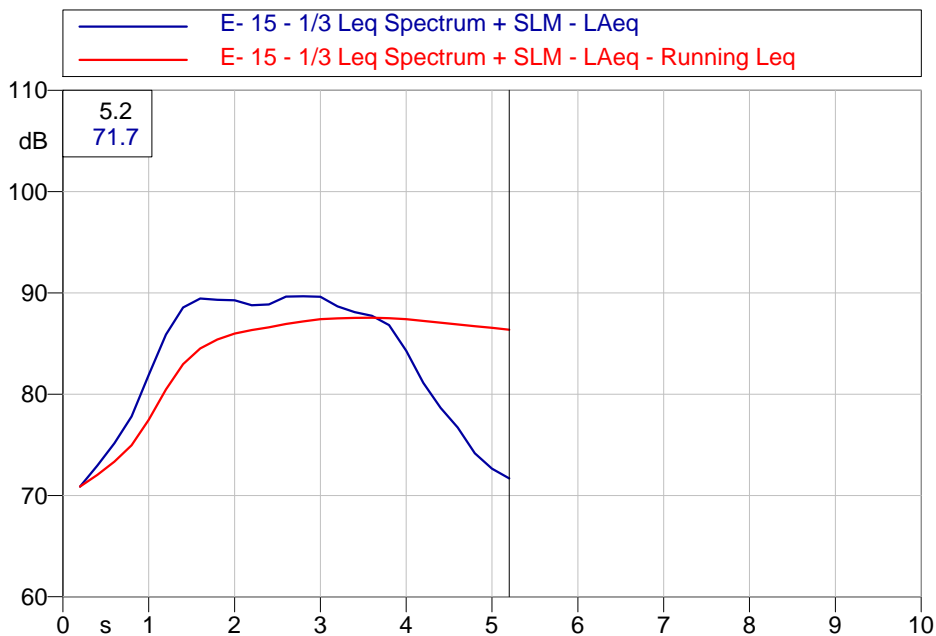
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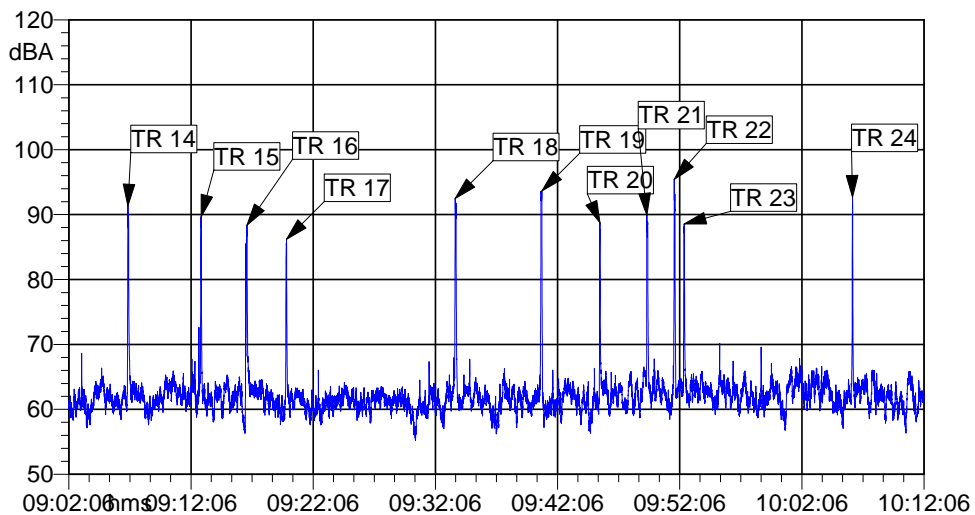
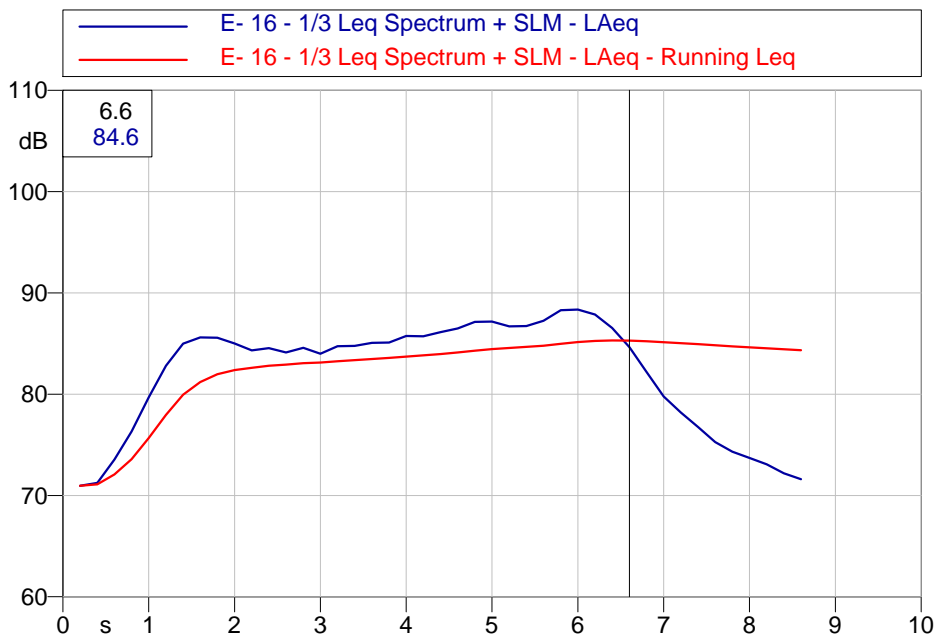


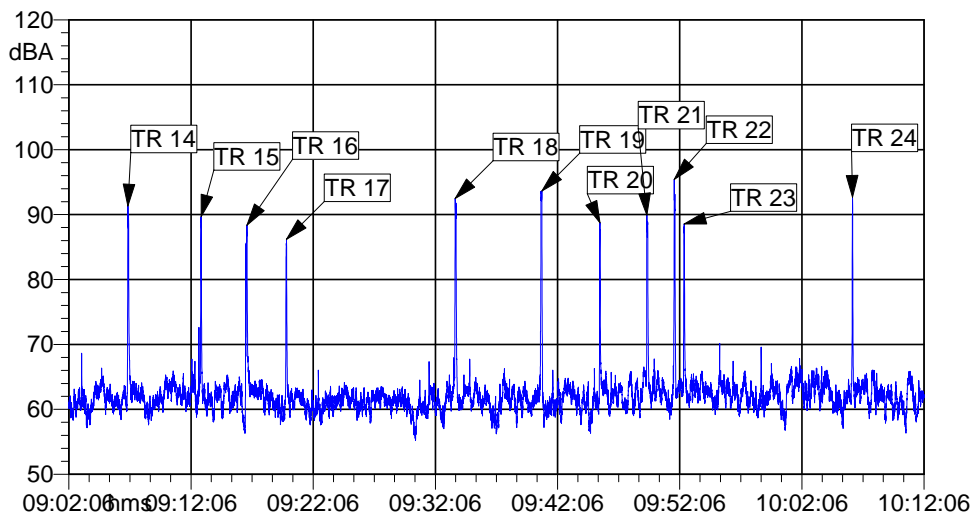
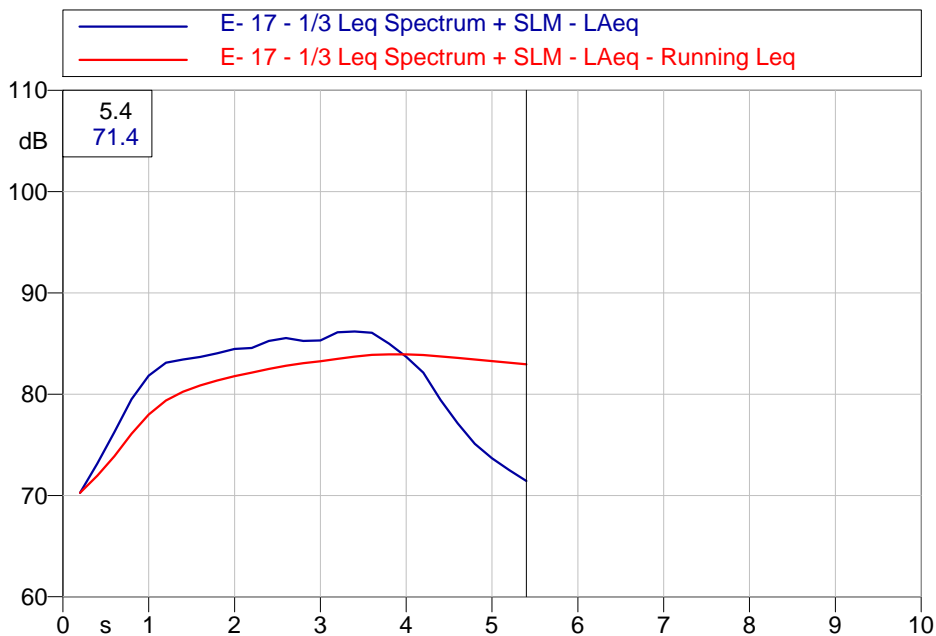
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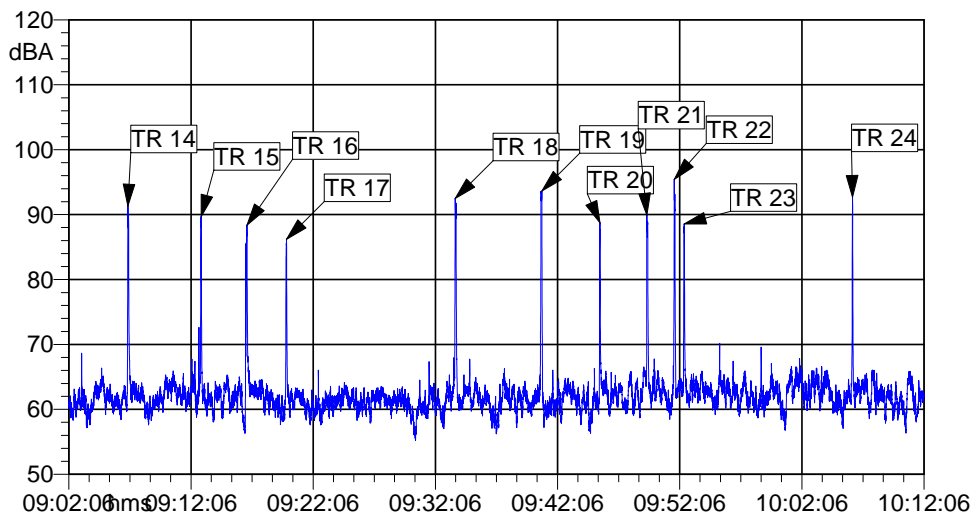
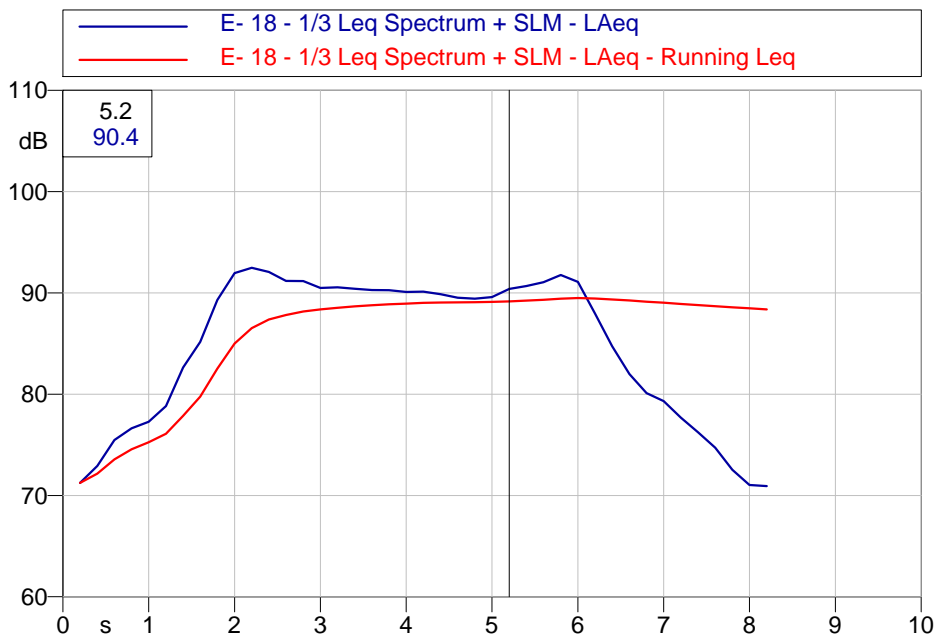
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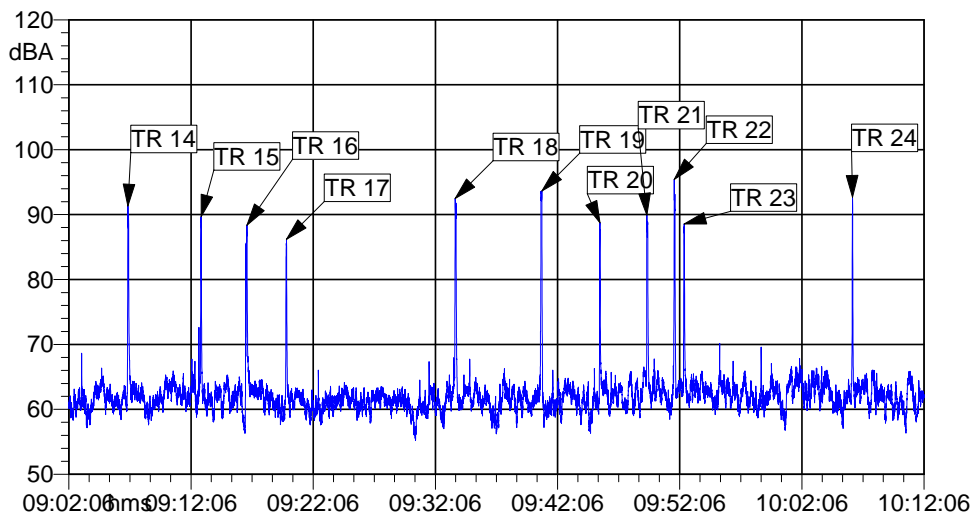
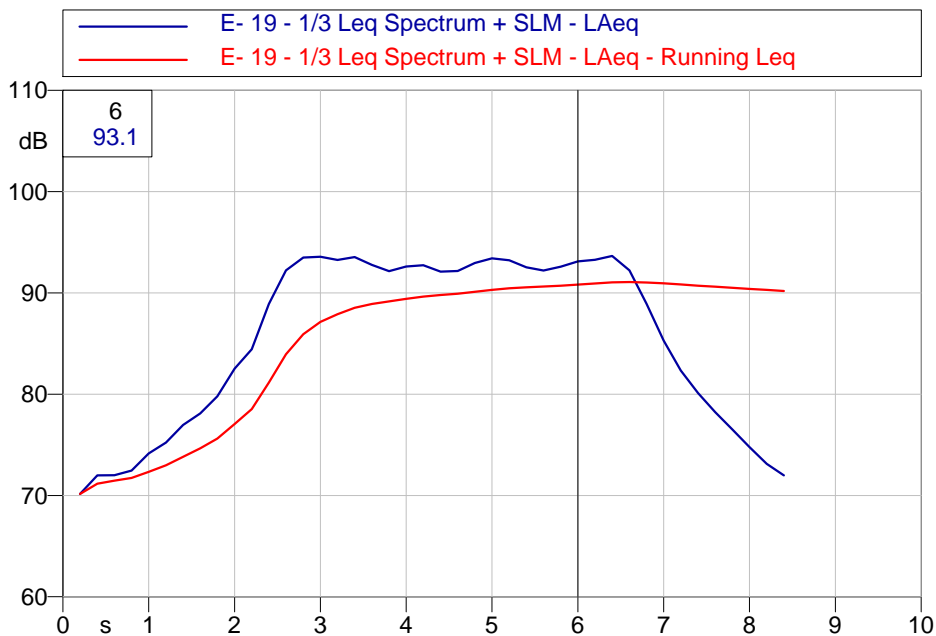
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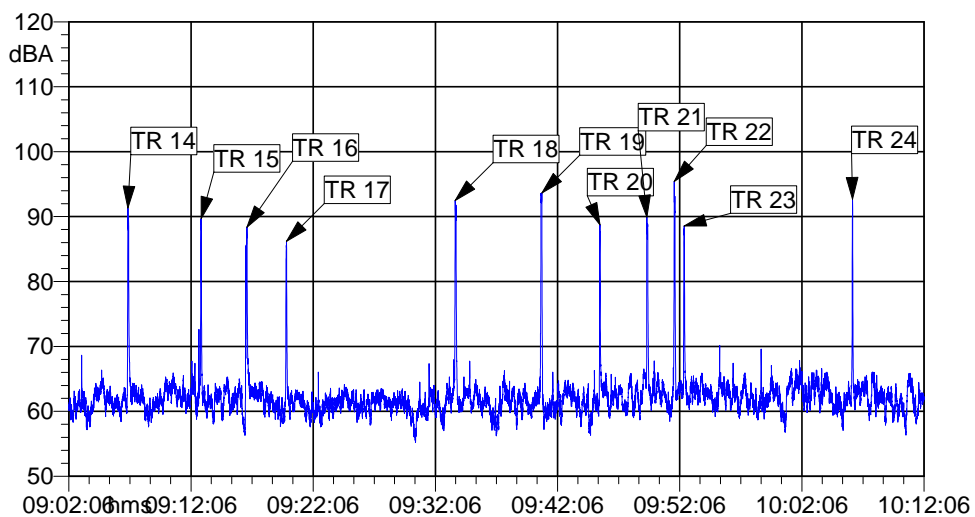
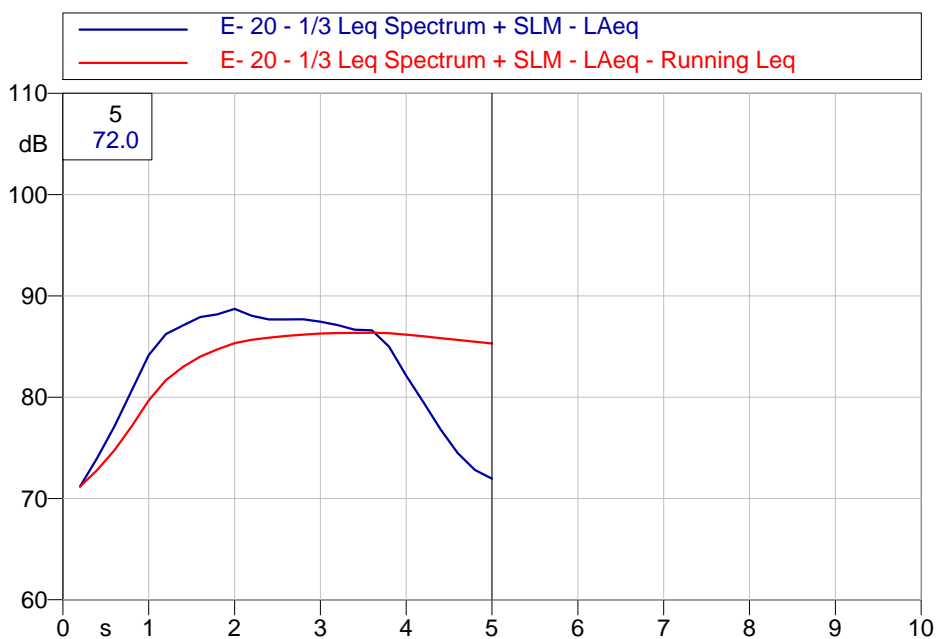
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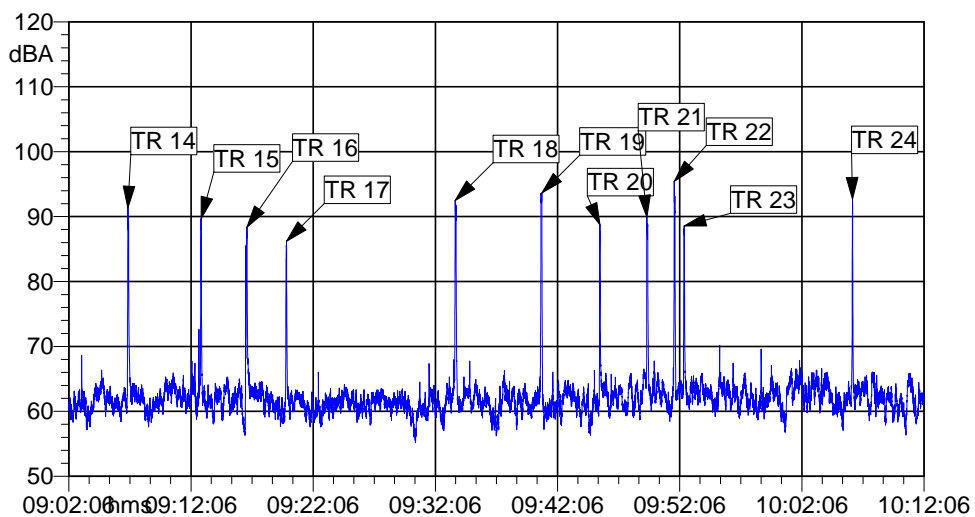
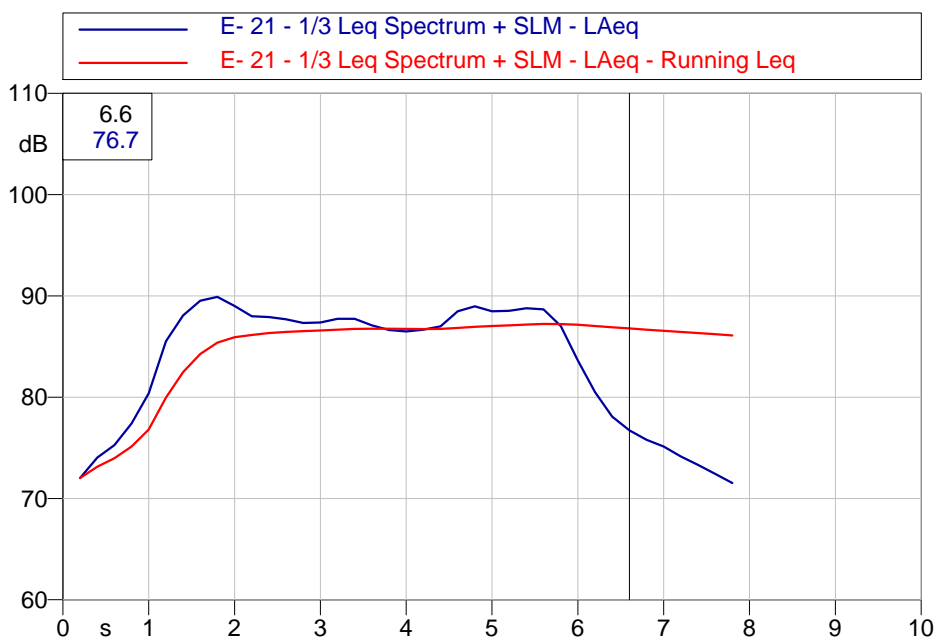
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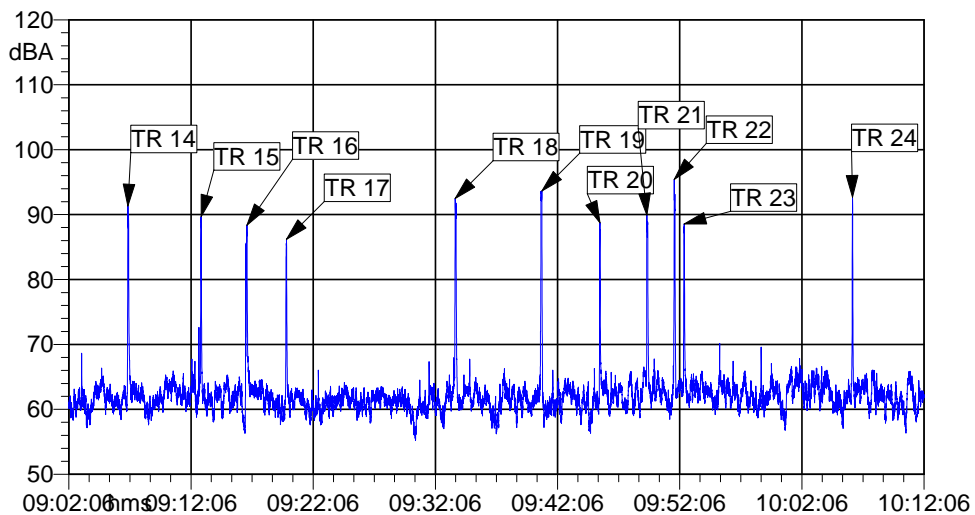
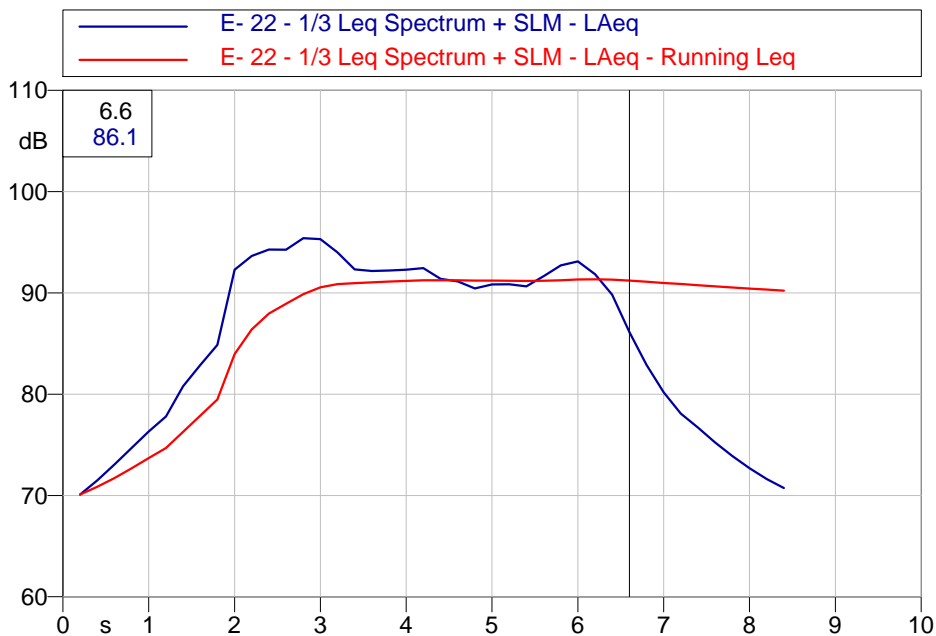
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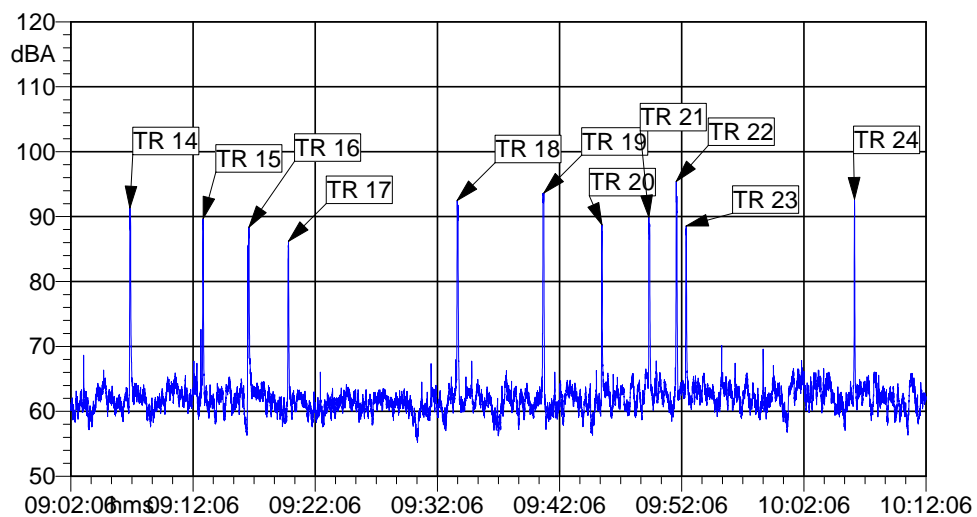
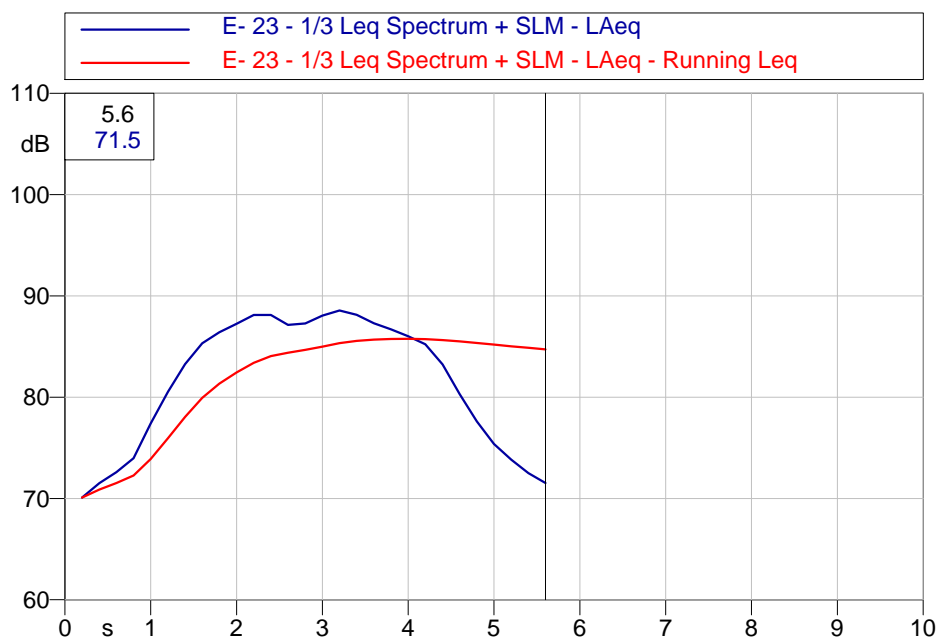
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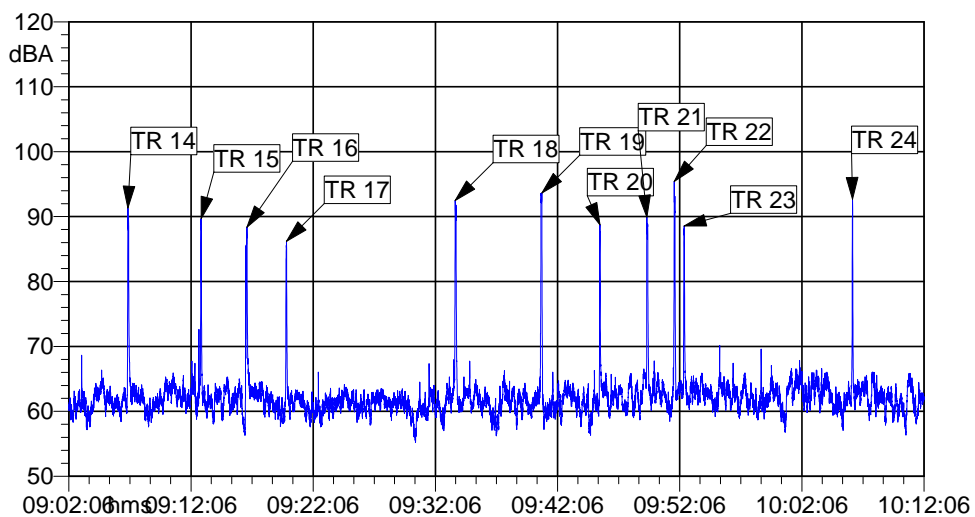
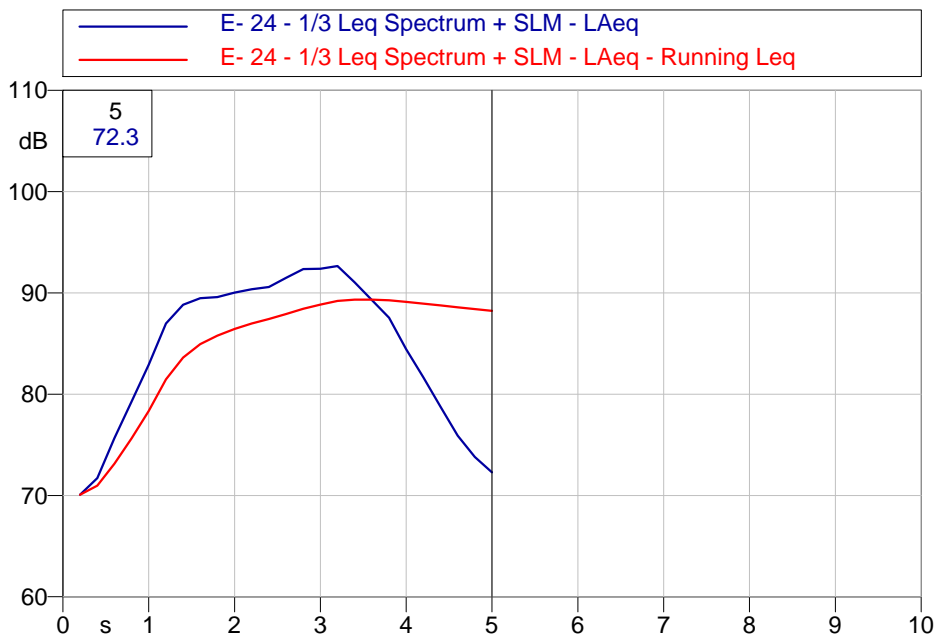
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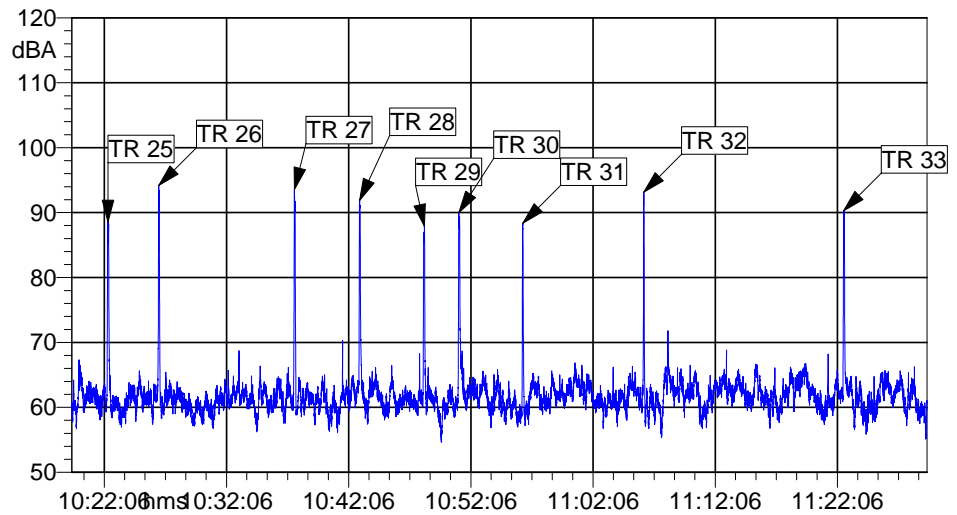
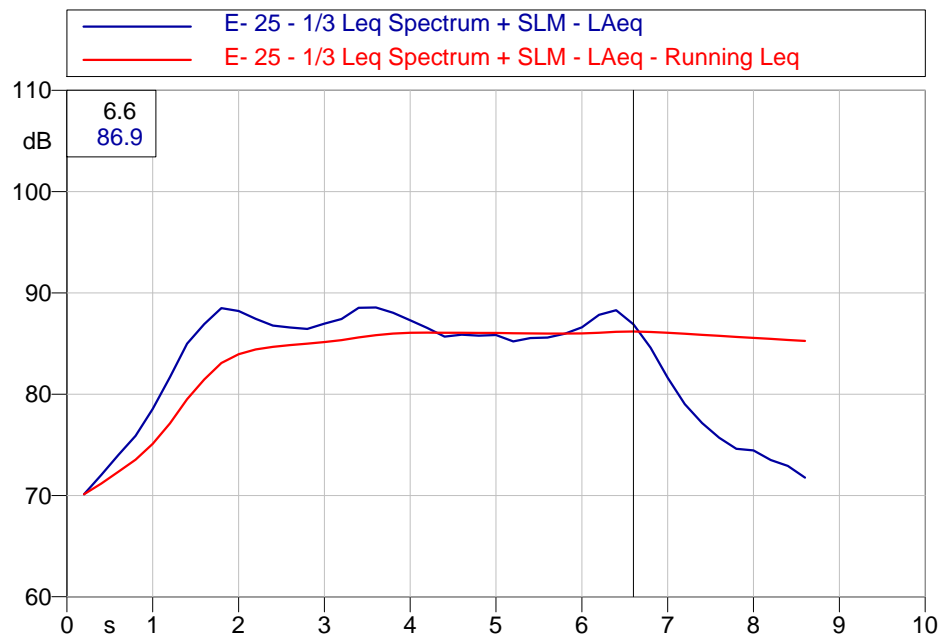
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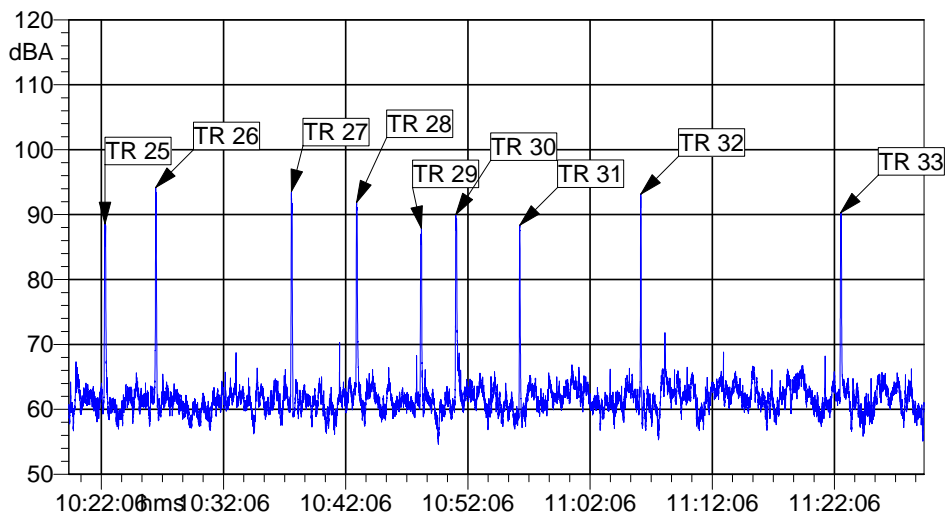
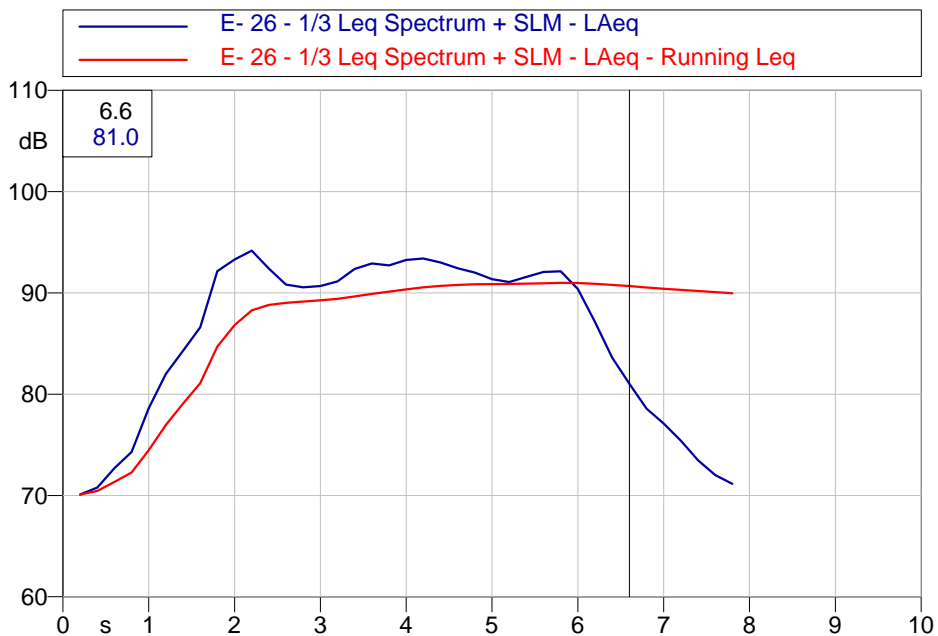
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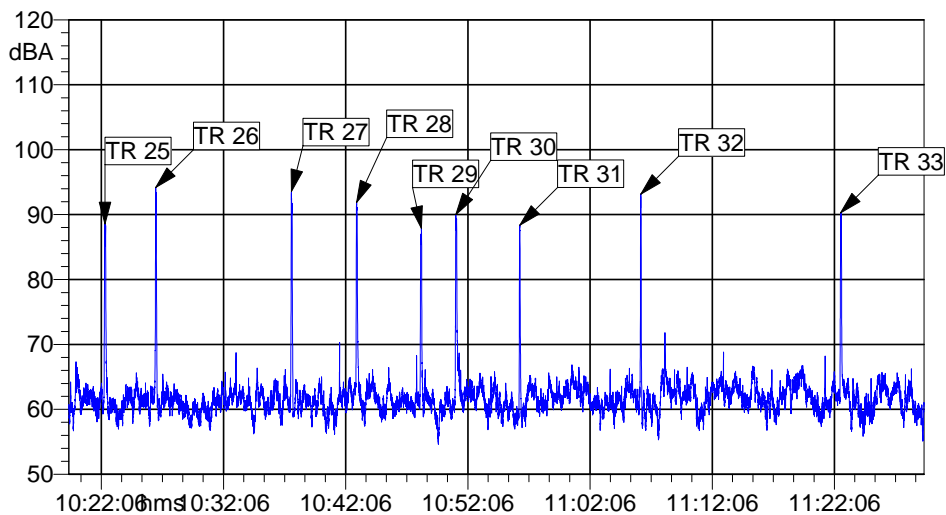
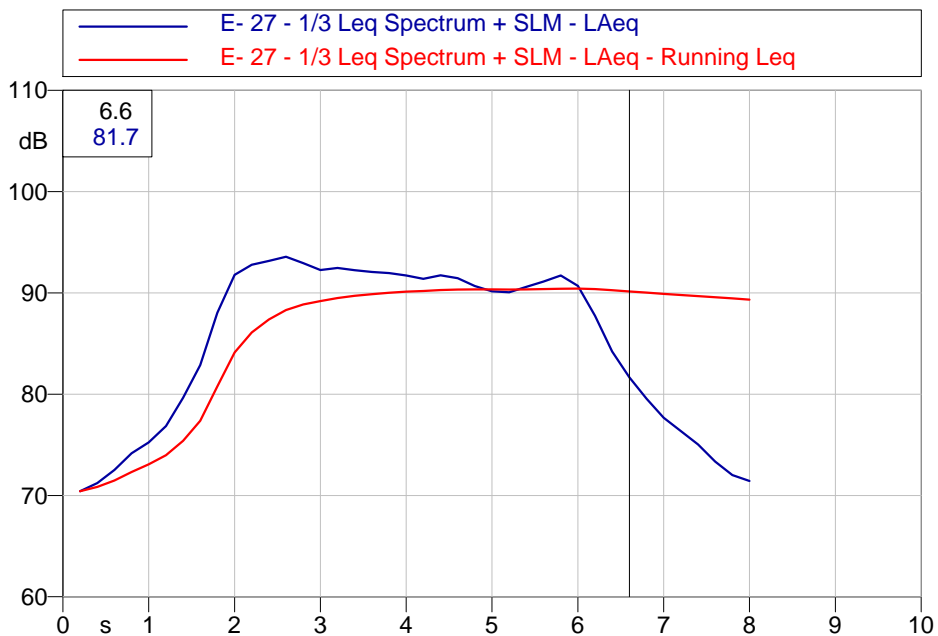
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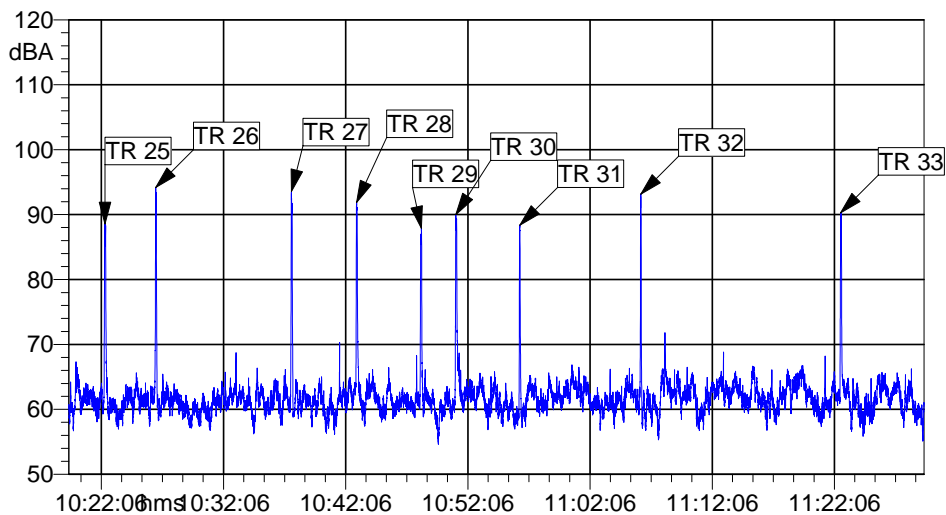
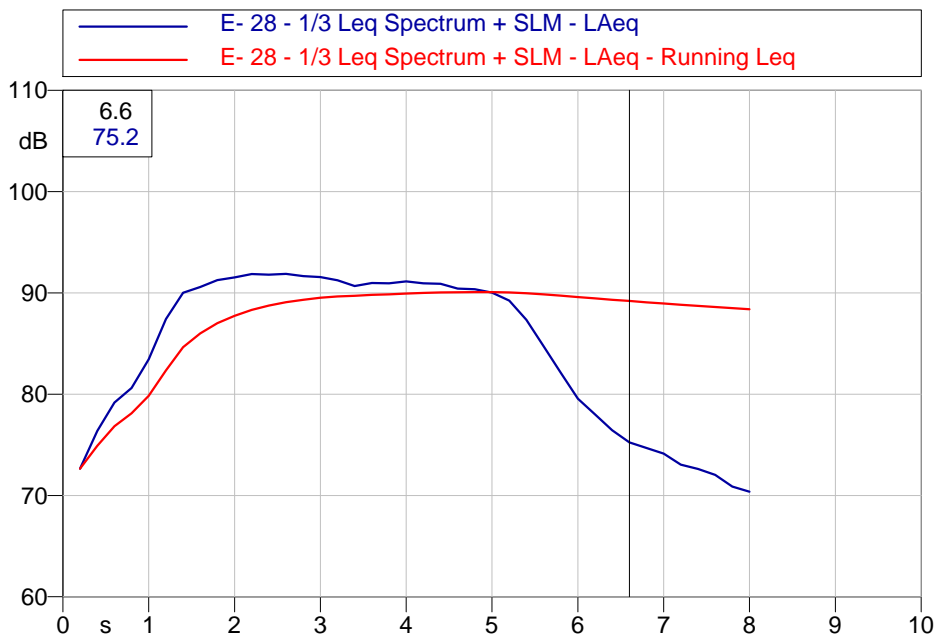
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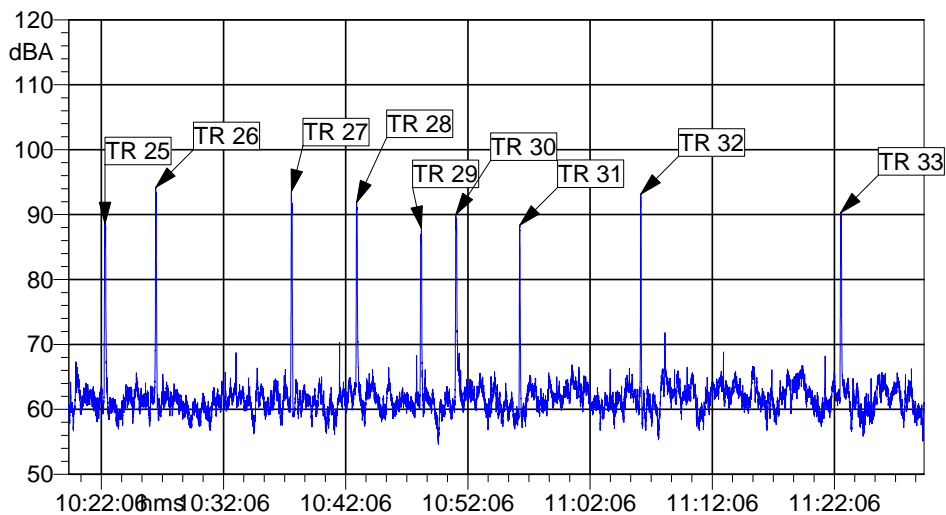
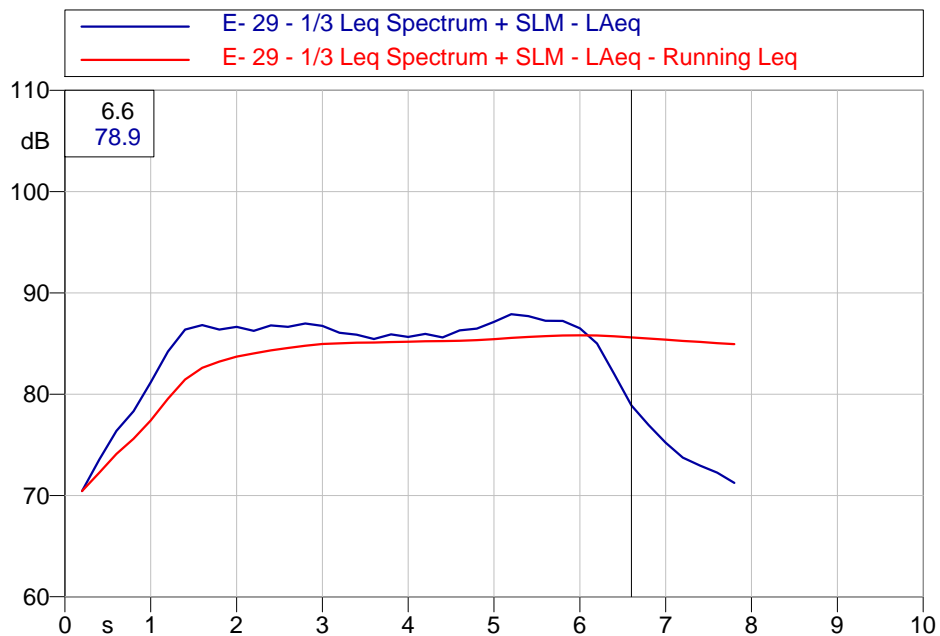
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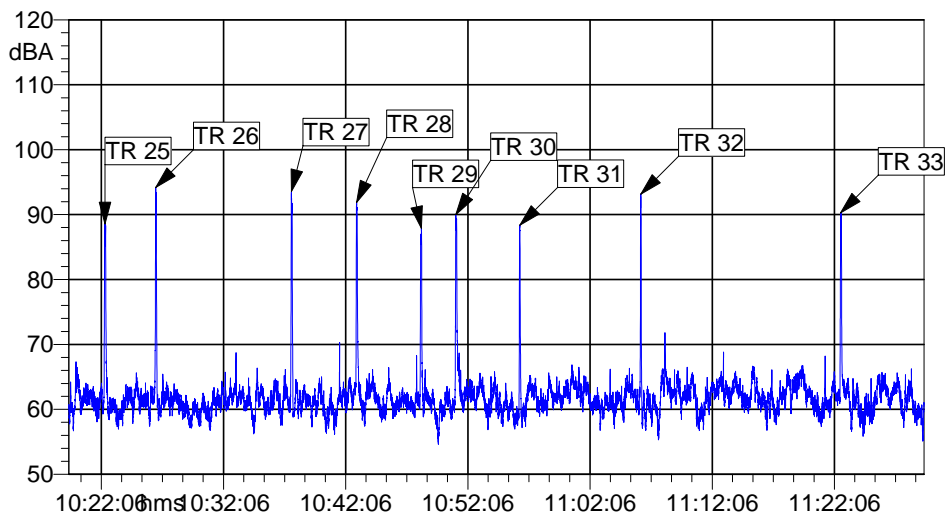
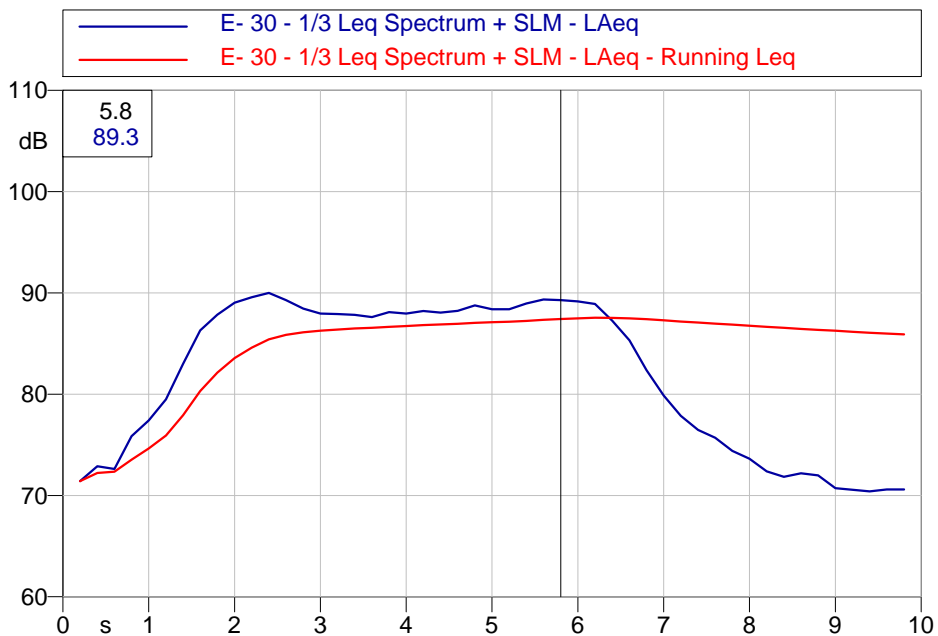
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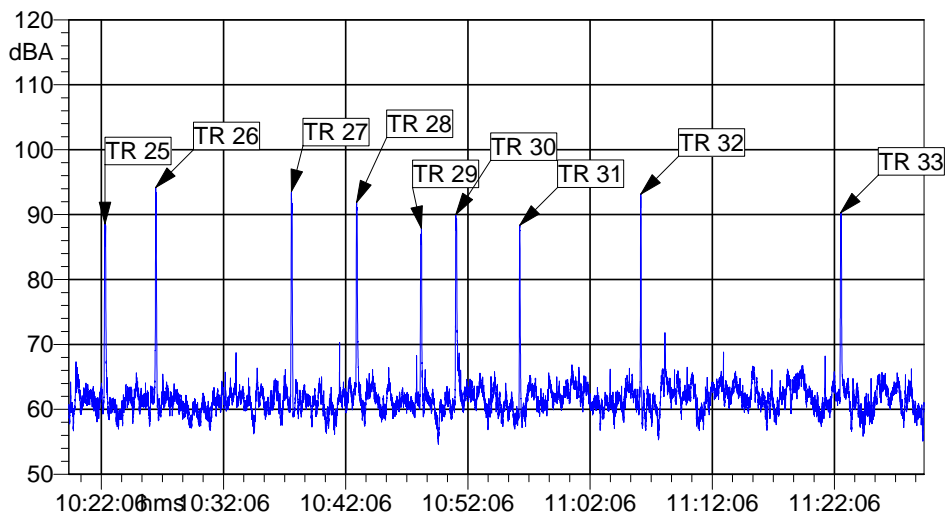
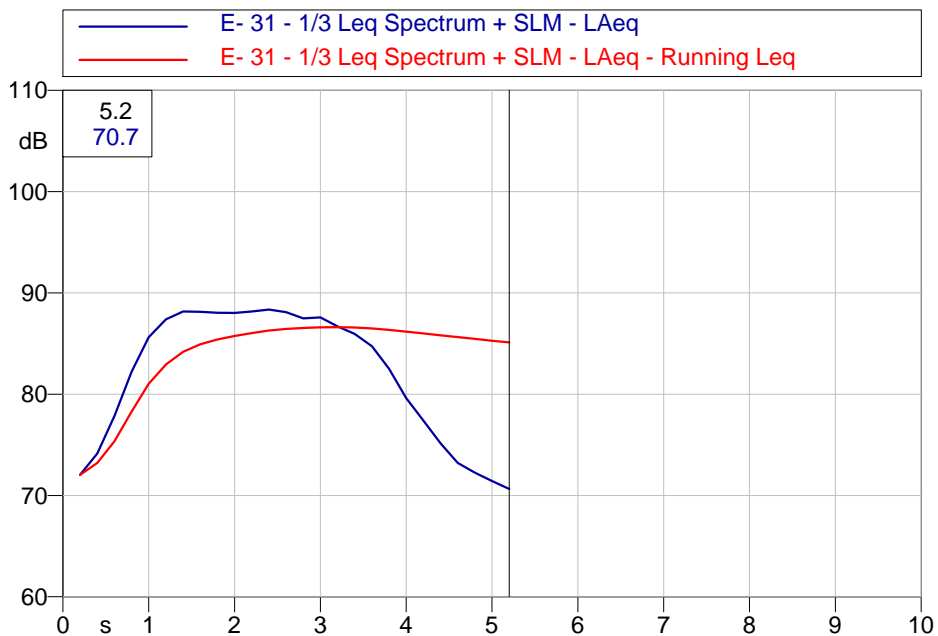
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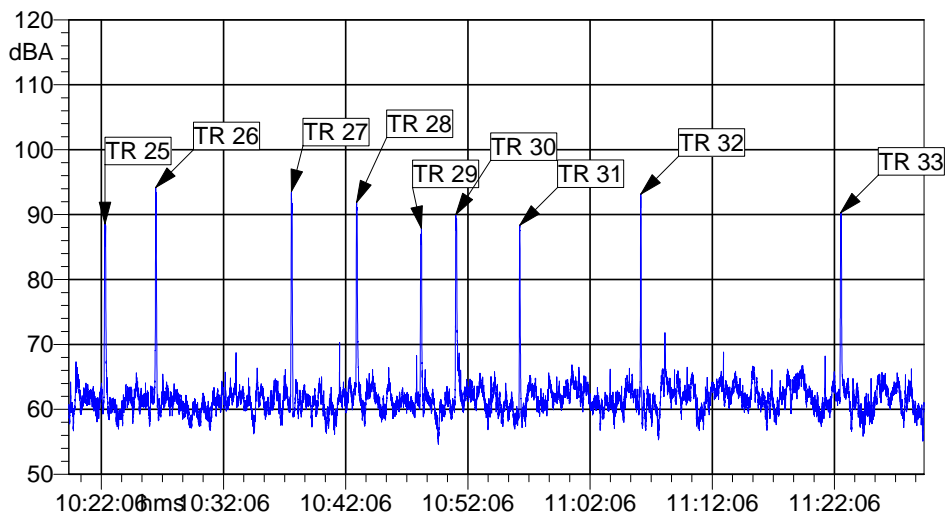
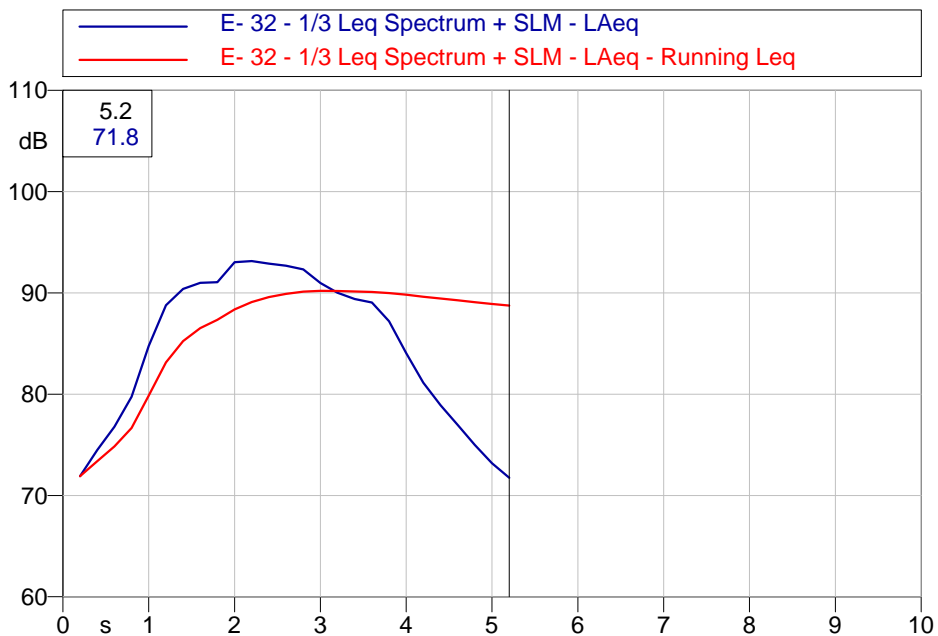
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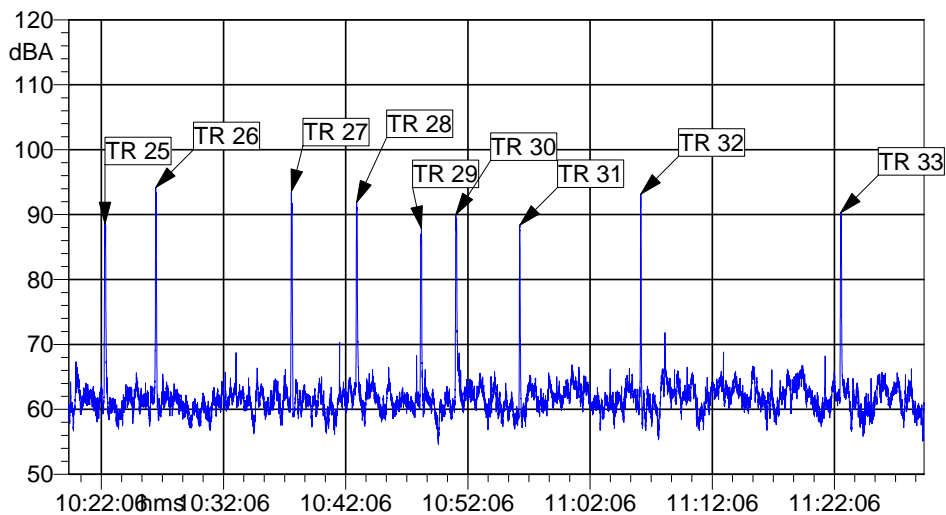
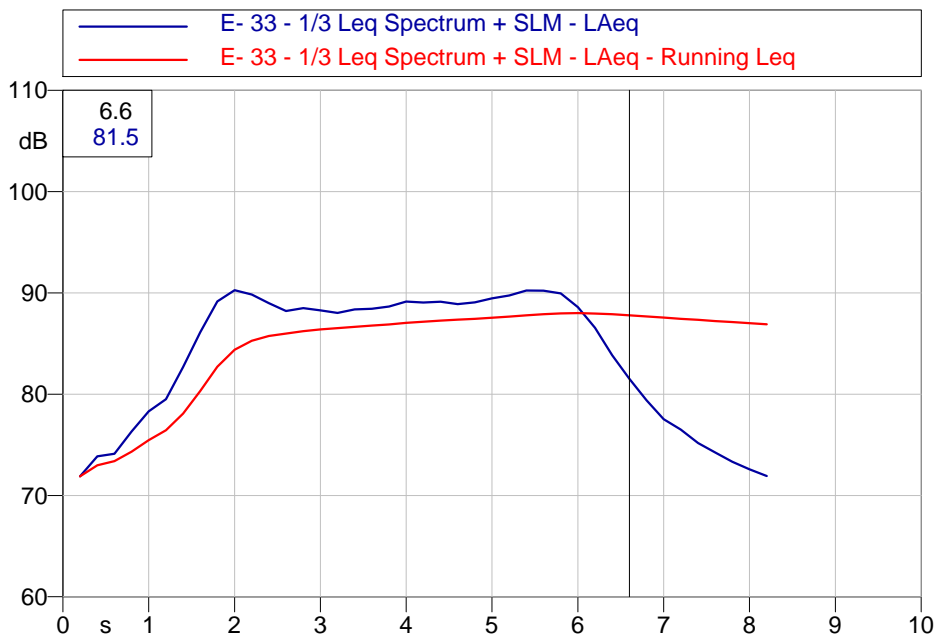
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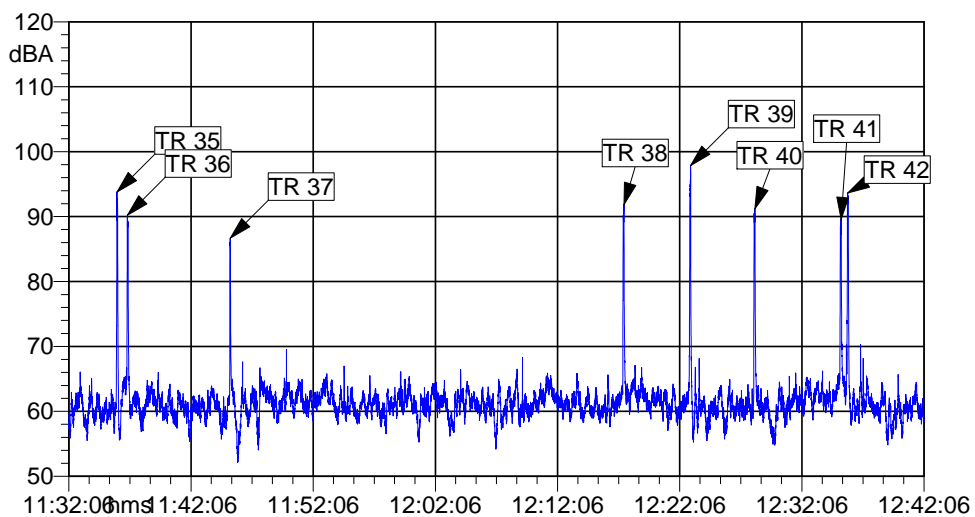
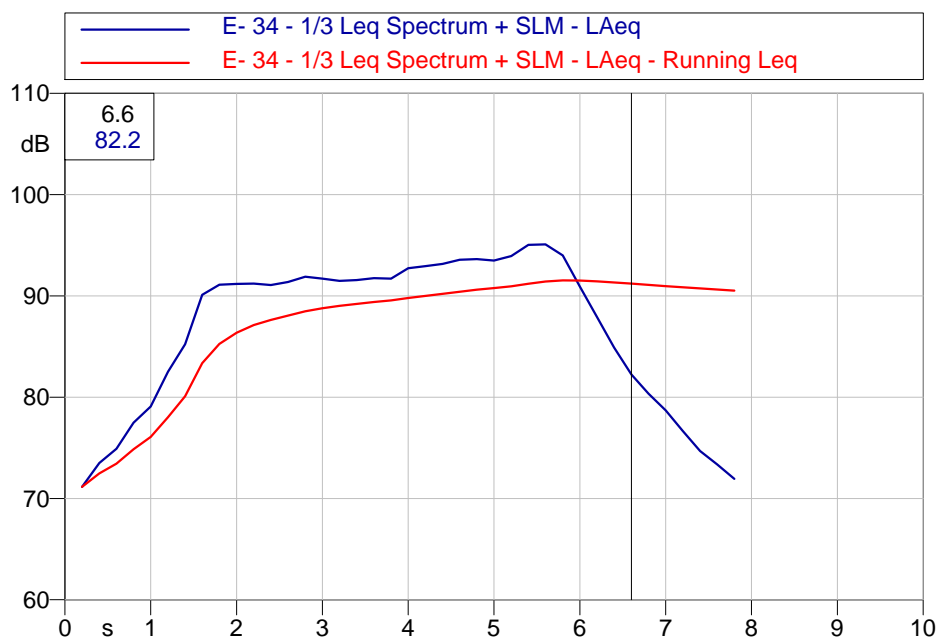
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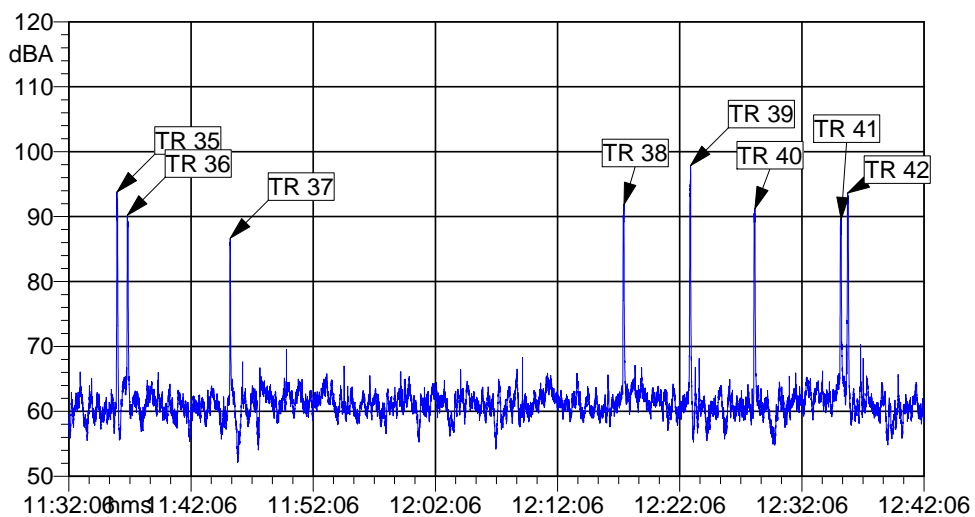
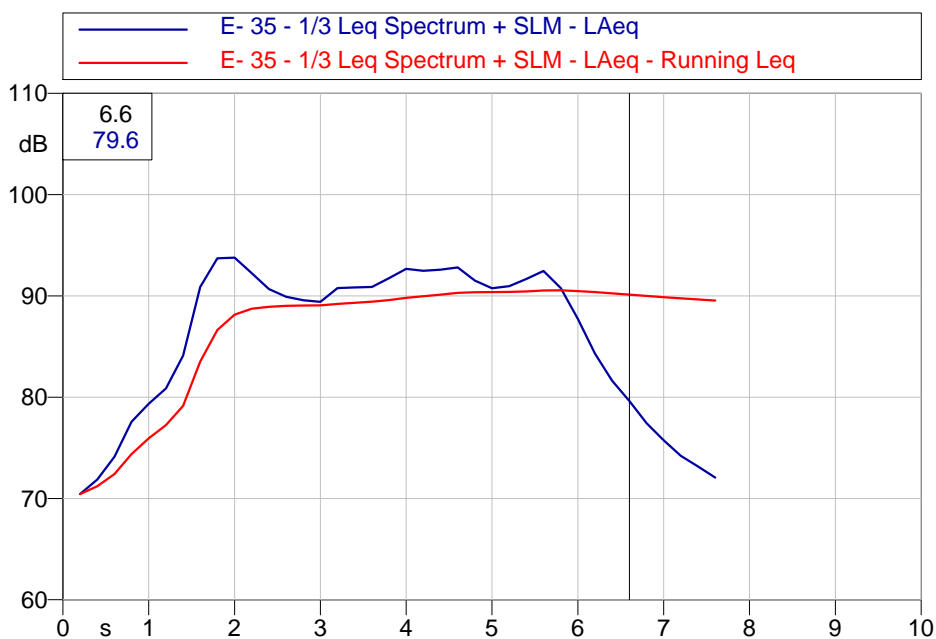
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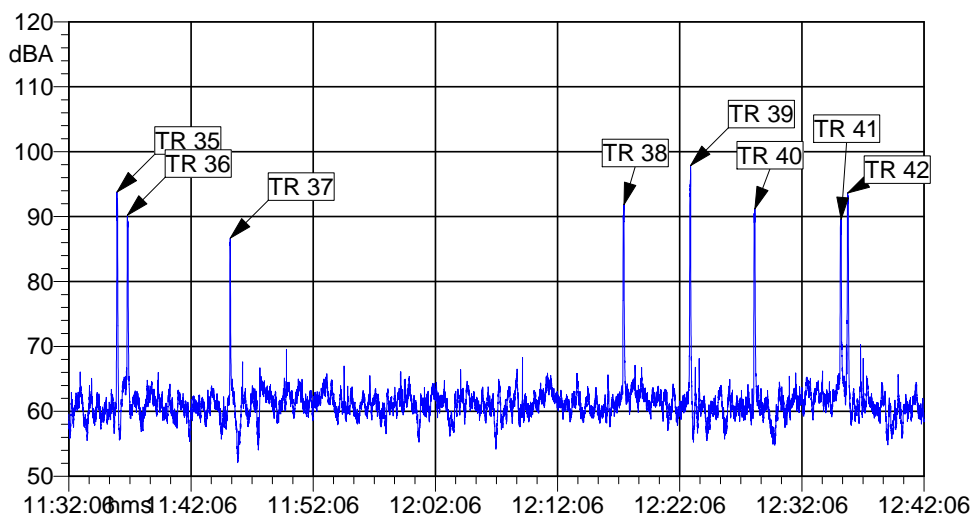
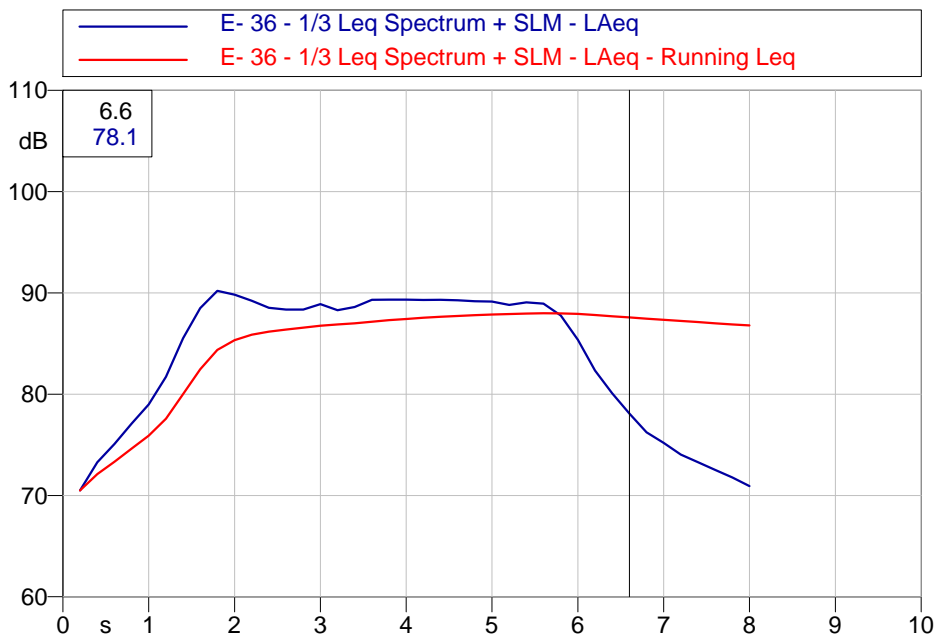
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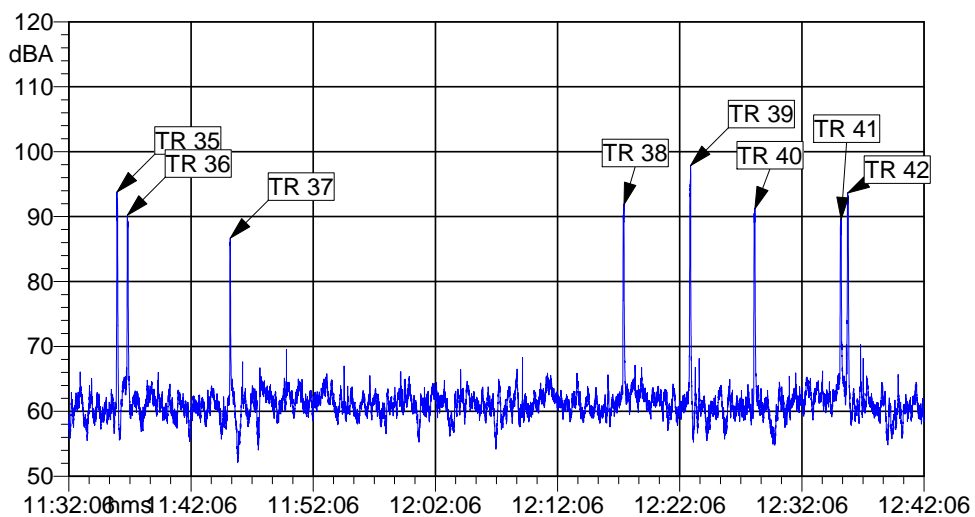
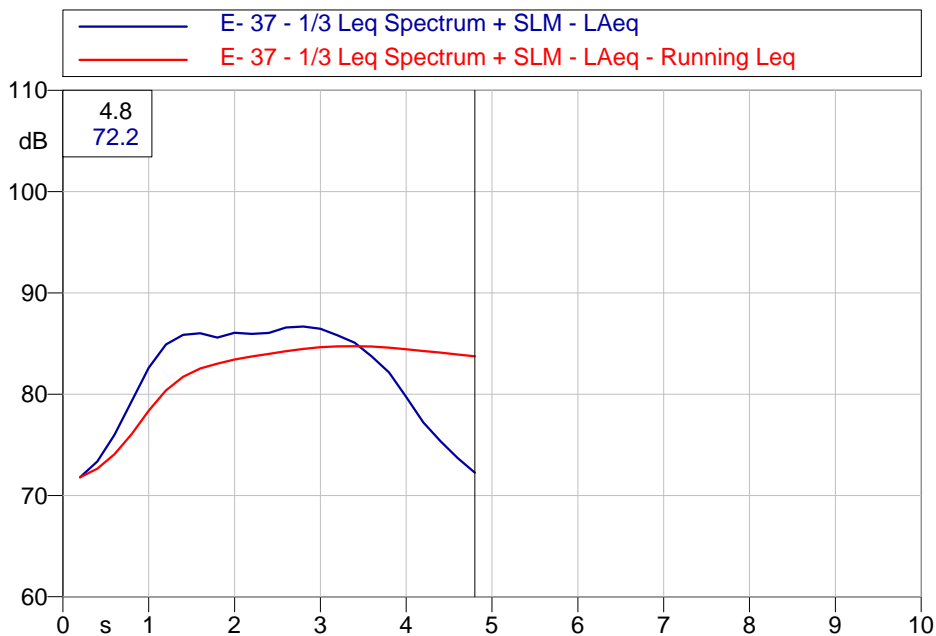
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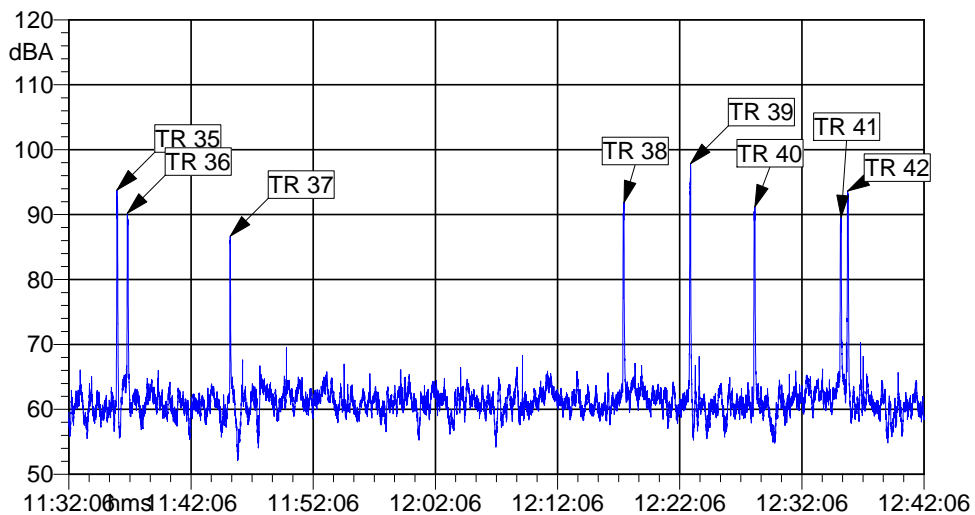
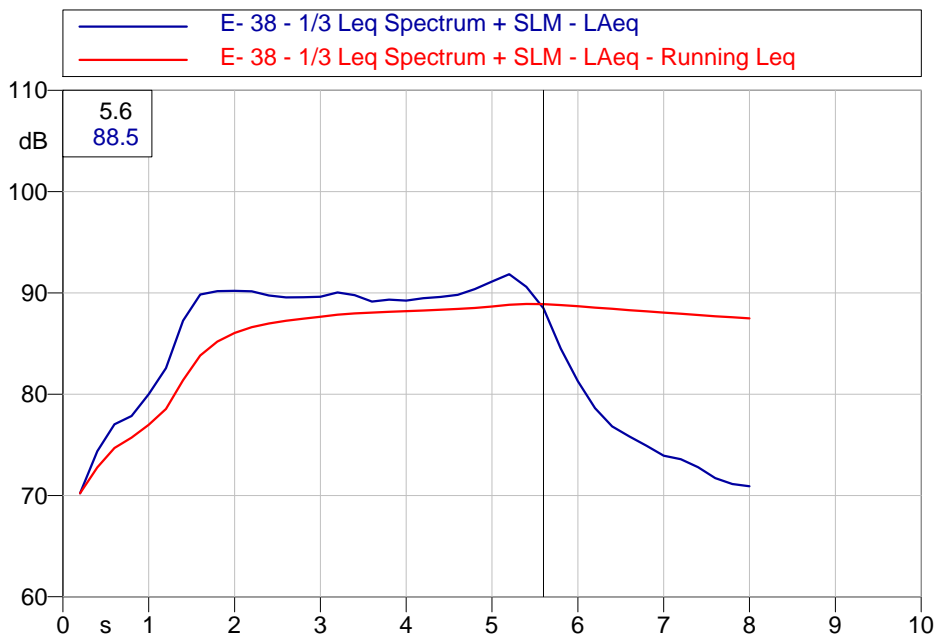
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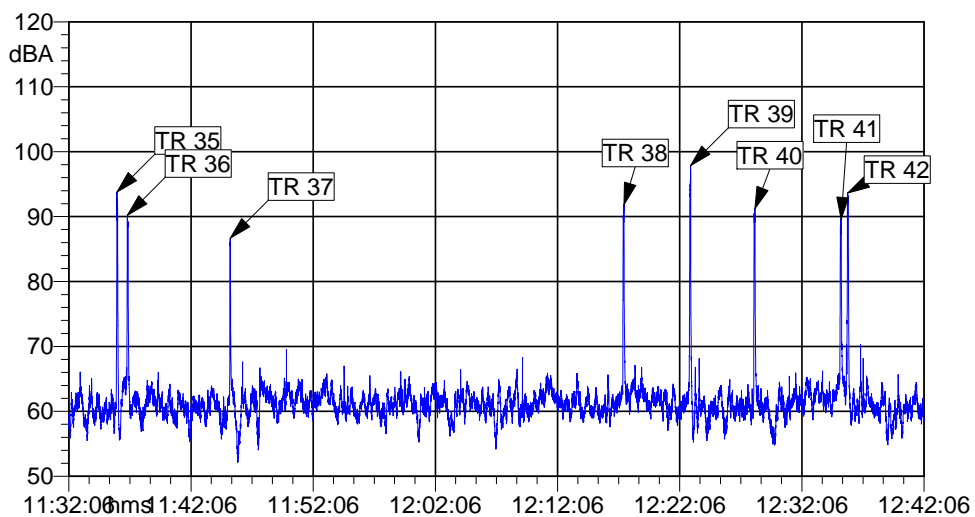
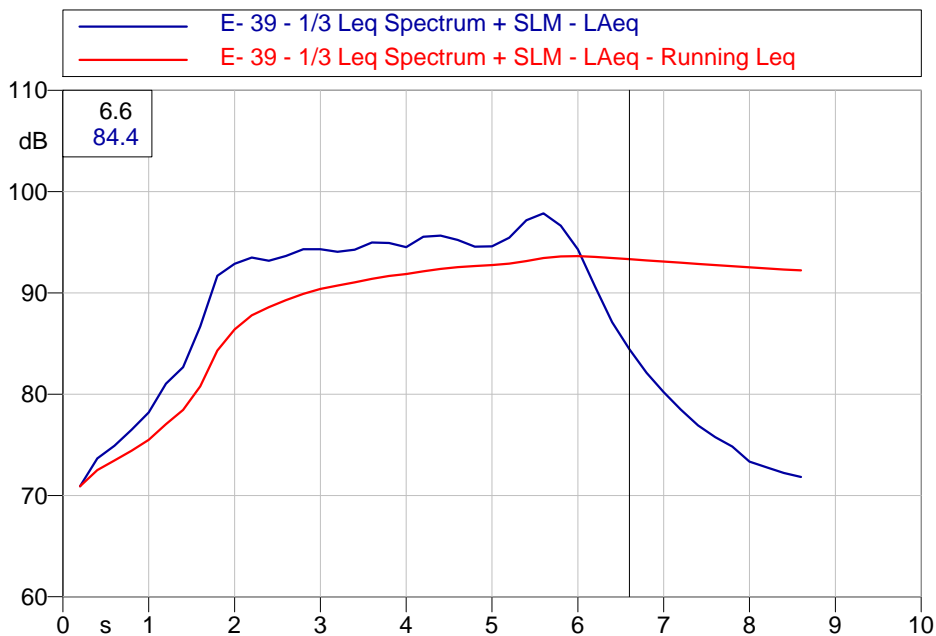
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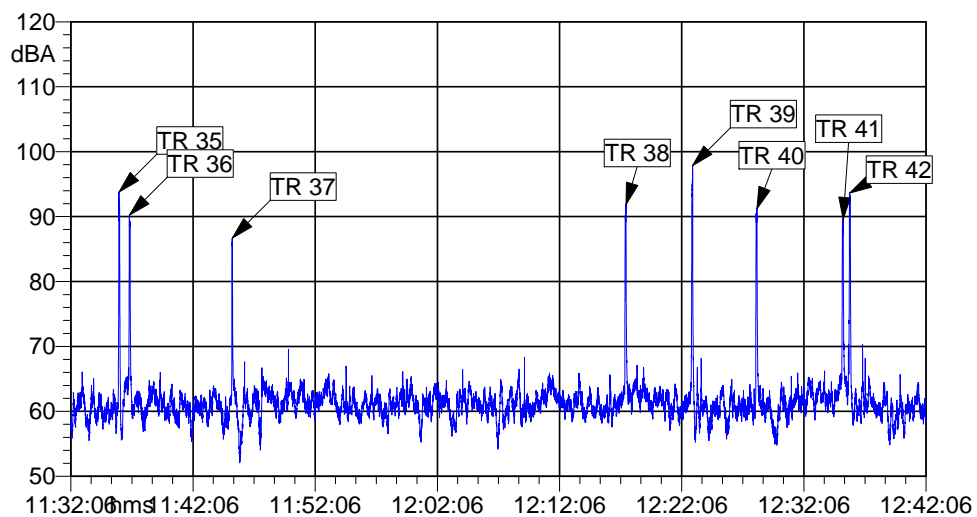
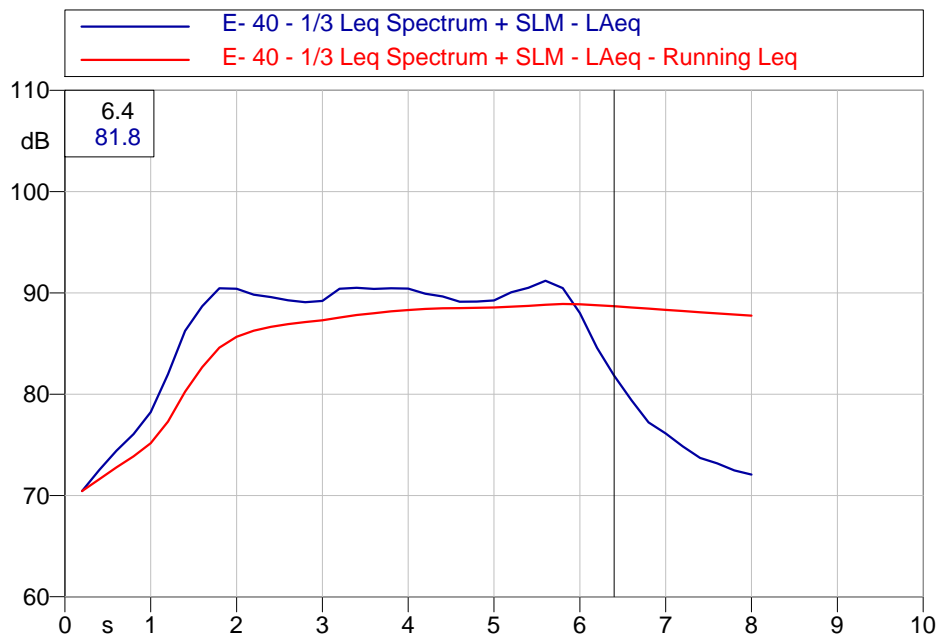
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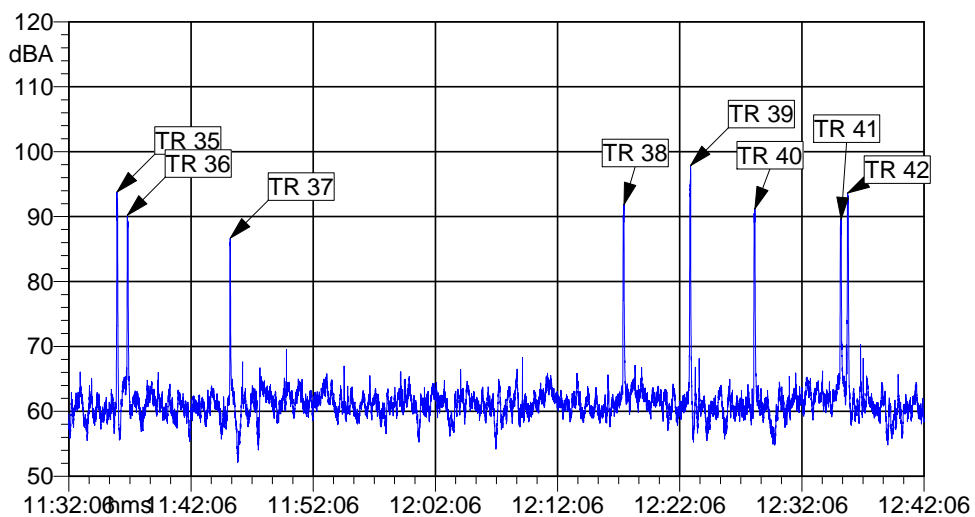
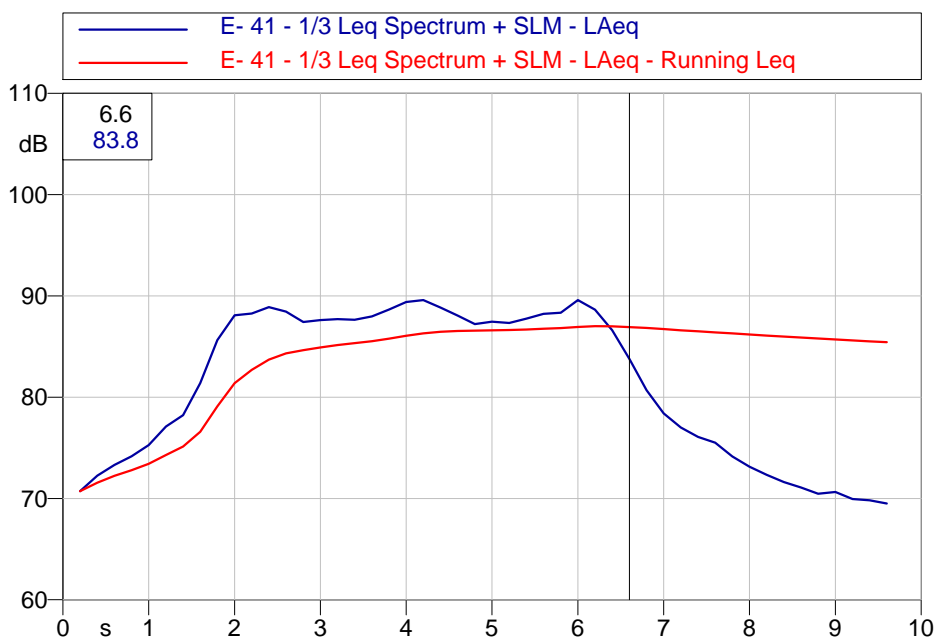
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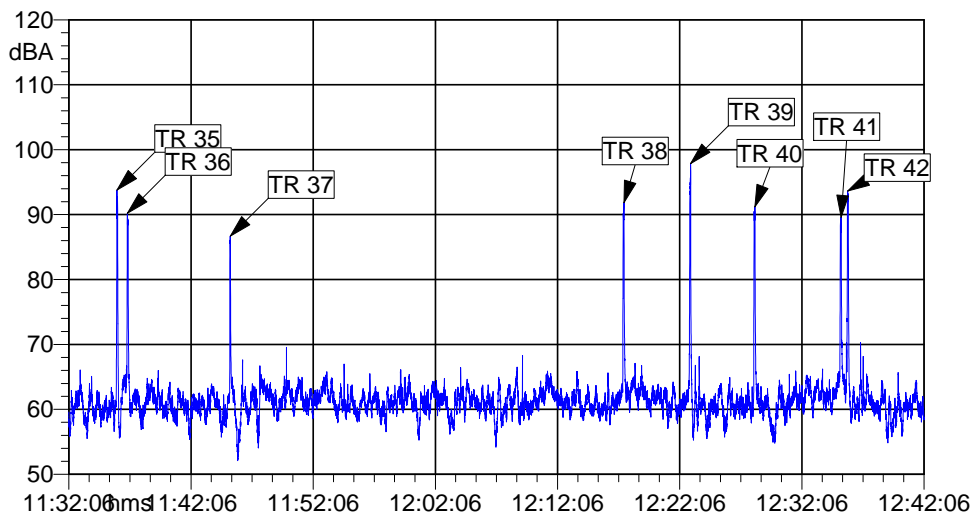
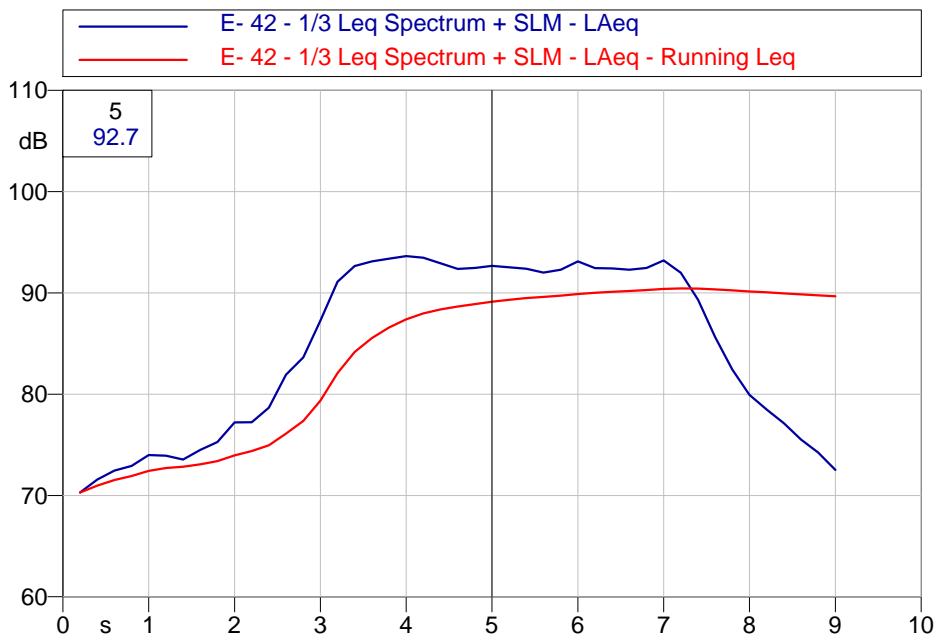
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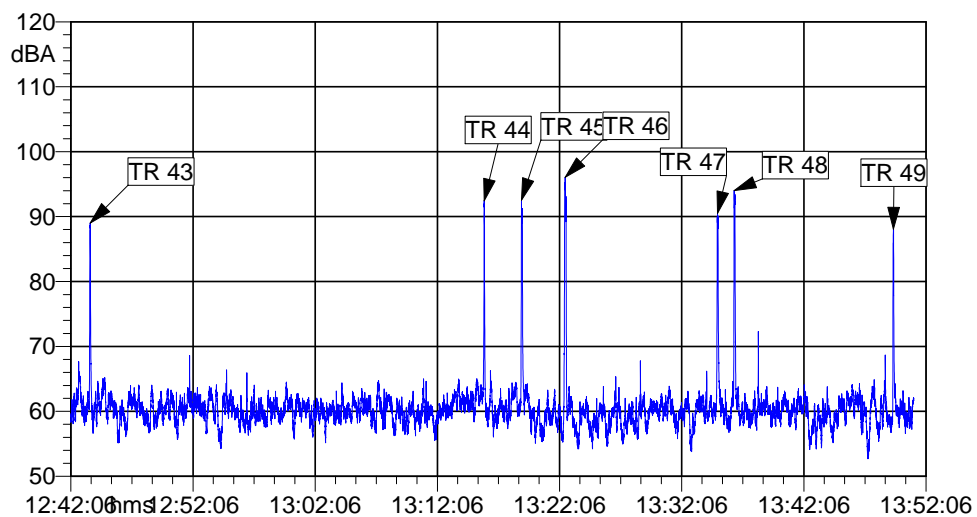
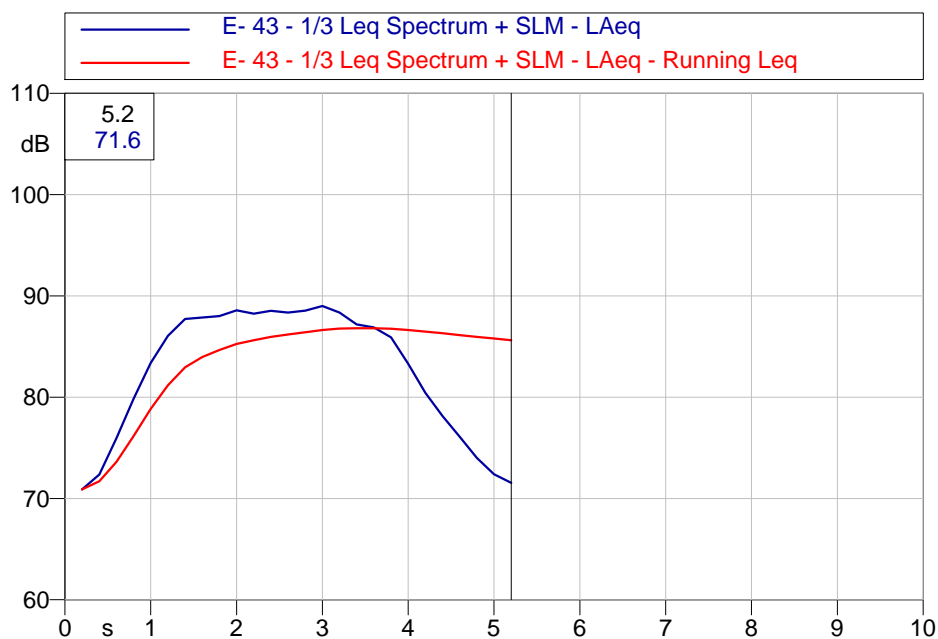
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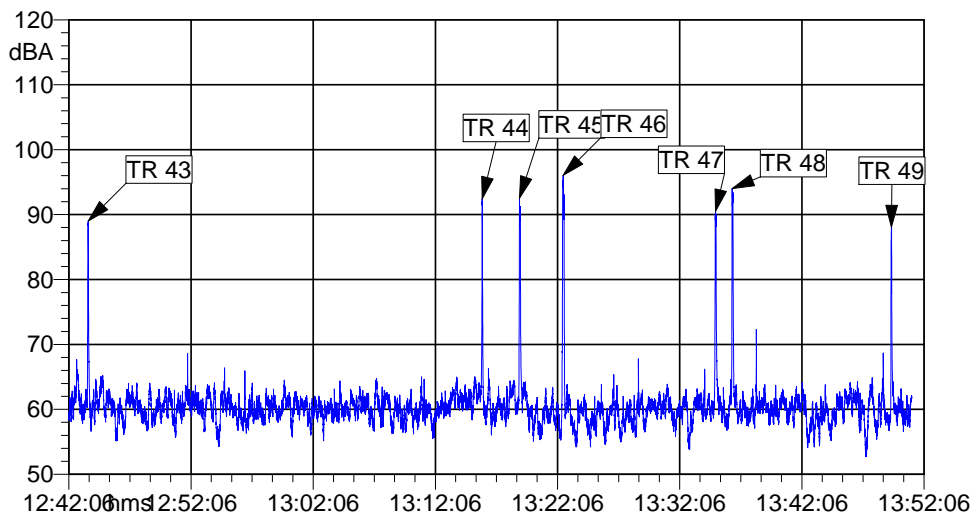
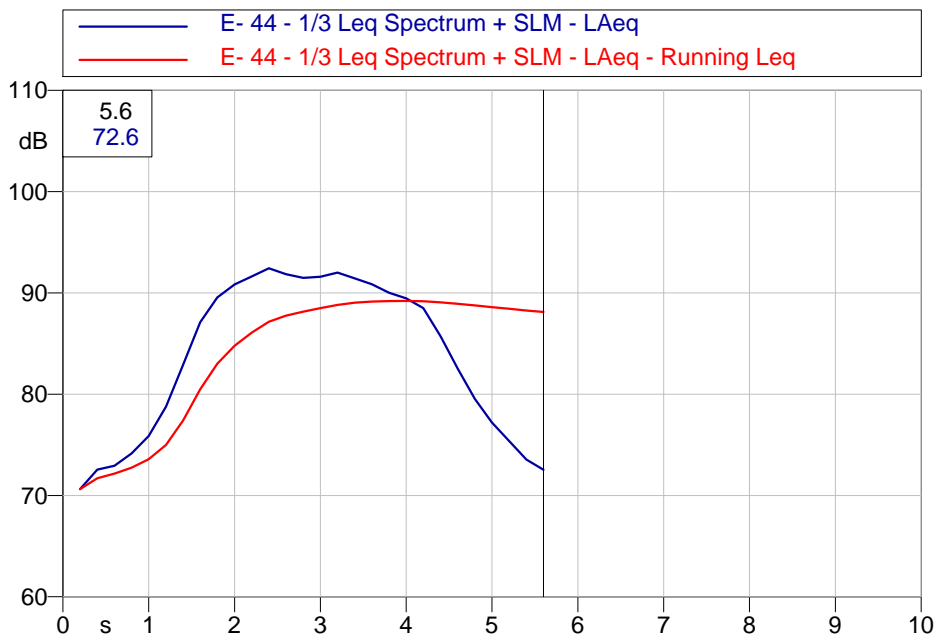
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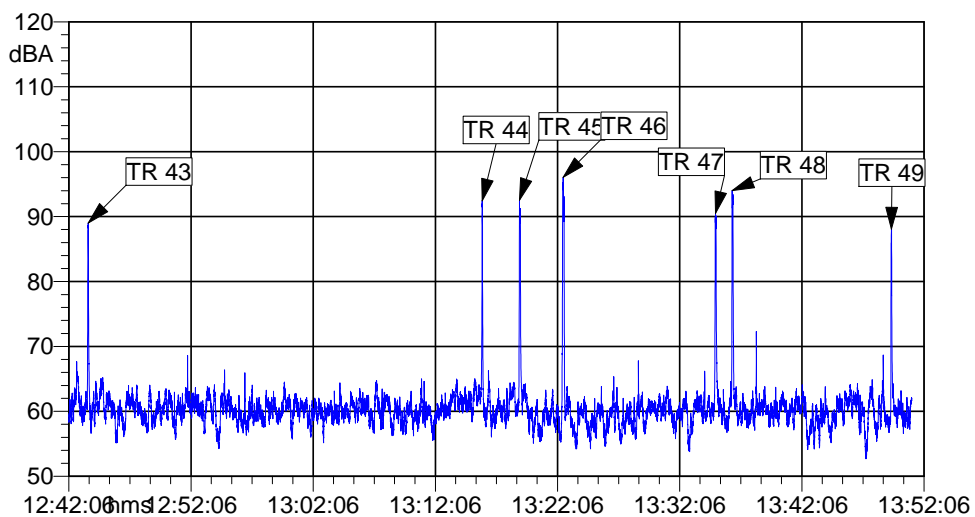
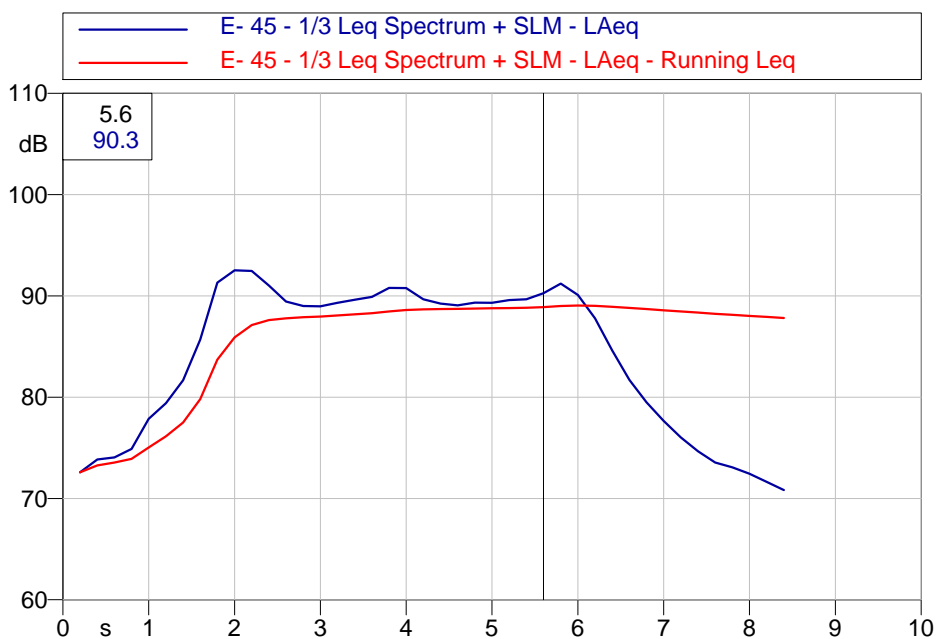
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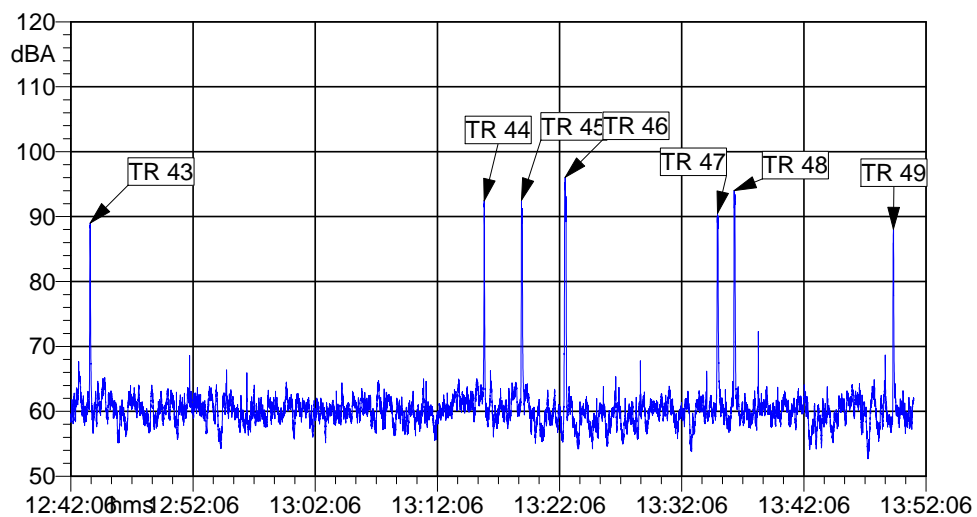
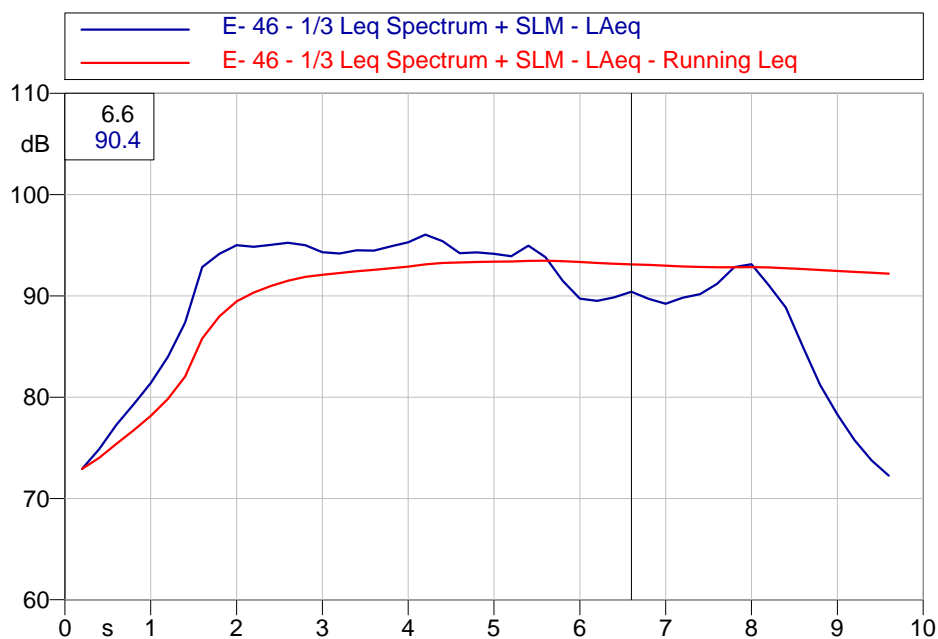
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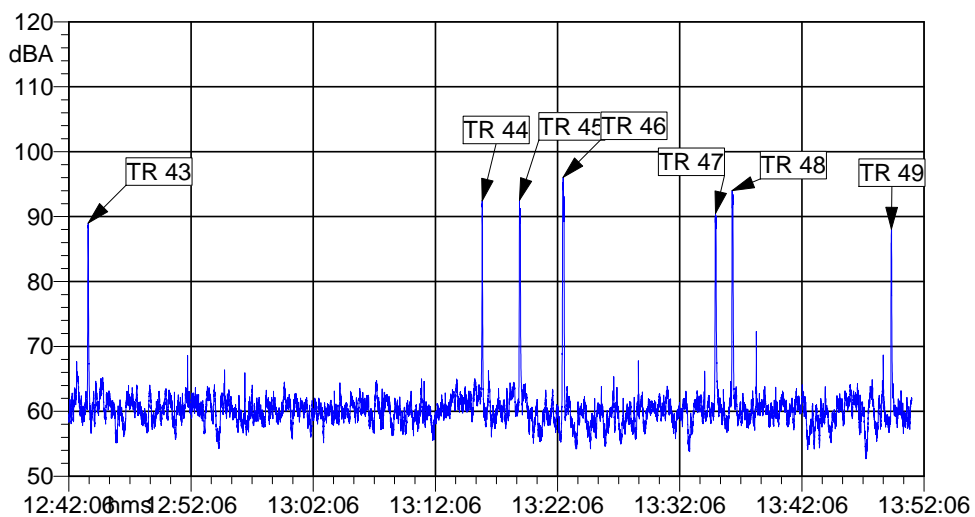
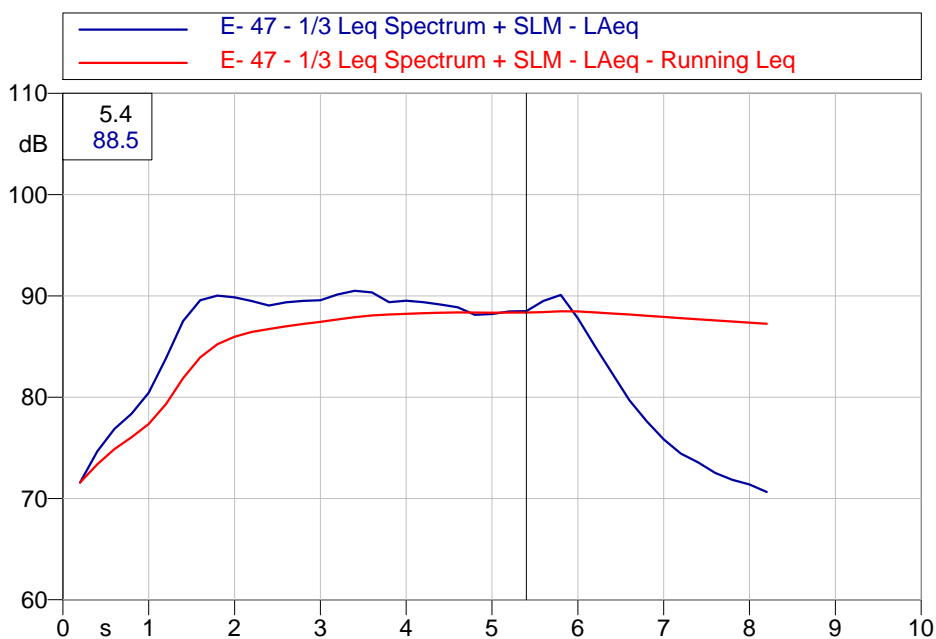
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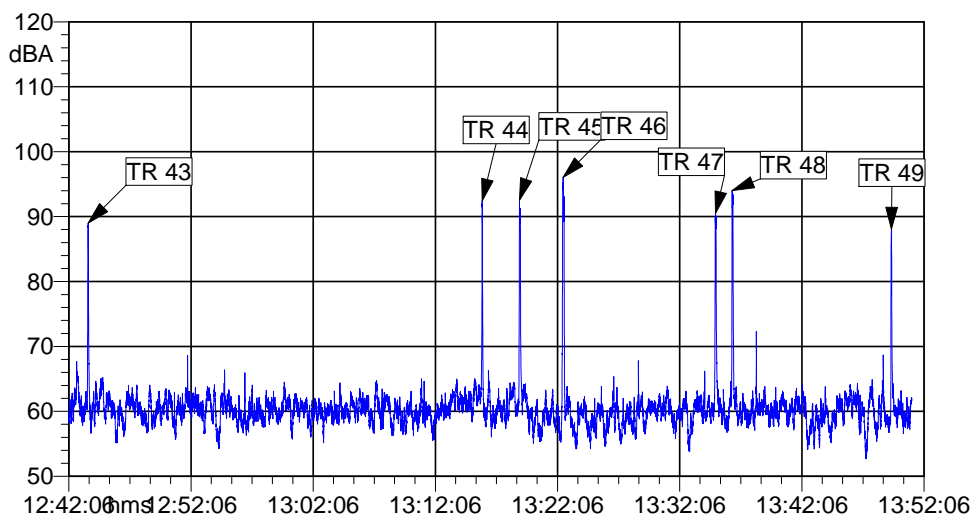
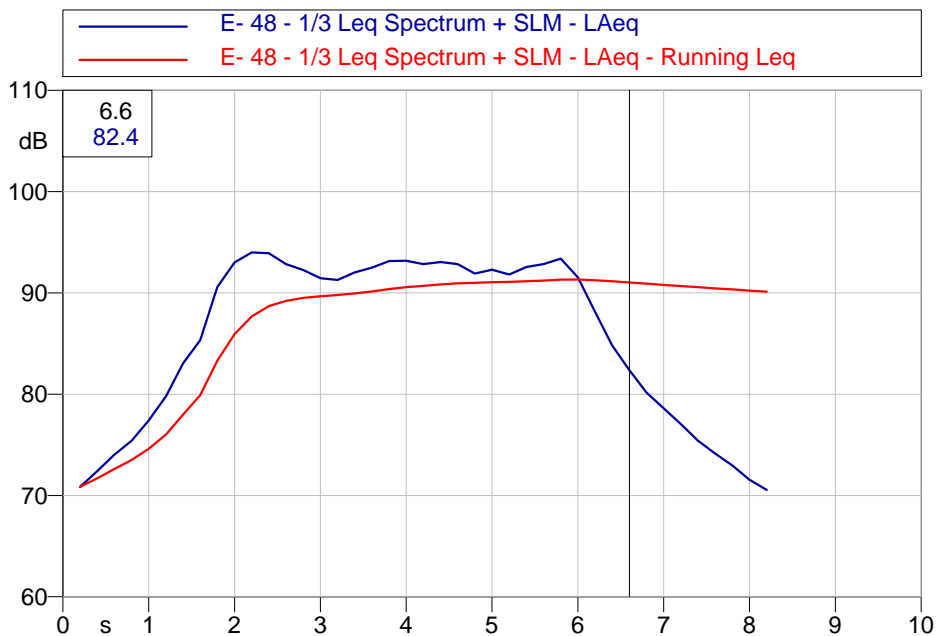
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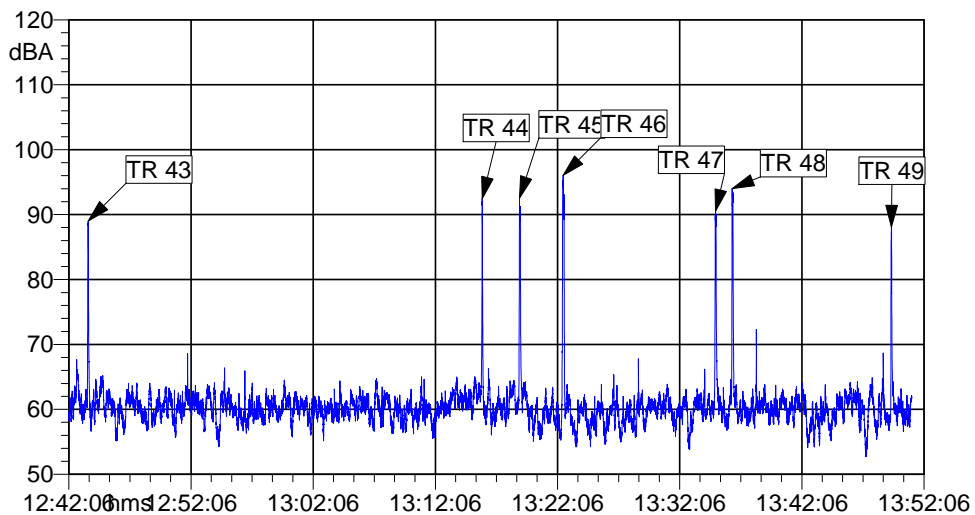
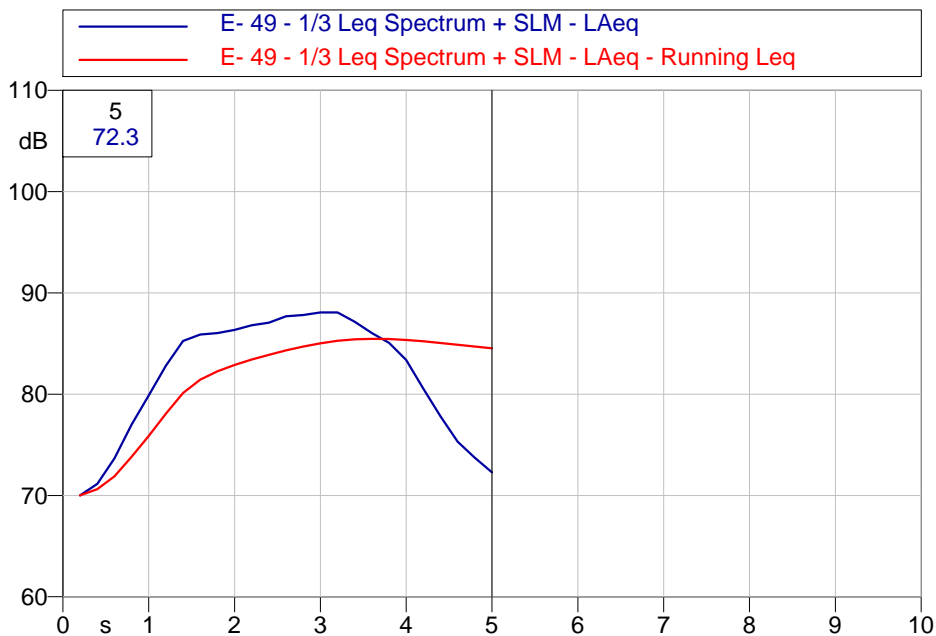
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| ID Transito | Data Passaggio | Ora | Trazione | Tipo Convoglio | Categoria | Vagoni [n] | Lungh. [m] | Velocità [km/h] | Bin. | Dir. | Note | Durata [s] | Sintesi [dB(A)] | | |
|-------------|----------------|----------|-----------|----------------|-----------|------------|------------|-----------------|------|------|----------|------------|------------------|-----------------|-------------------|
| | | | | | | | | | | | | | L _{Aeq} | L _{AE} | L _{Amax} |
| 1 | 20/11/2014 | 7.43.52 | Elettrica | Italo | AV | 11 | 200 | 224 | 1 | SUD | | 3,2 | 88,5 | 93,6 | 90,0 |
| 2 | 20/11/2014 | 7.48.42 | Elettrica | Freccia Rossa | AV | 12 | 302 | 188 | 1 | SUD | | 4,6 | 92,4 | 99,0 | 95,3 |
| 3 | 20/11/2014 | 7.52.31 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 183 | 1 | SUD | | 4,8 | 91,6 | 98,4 | 92,7 |
| 4 | 20/11/2014 | 7.56.42 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 186 | 1 | SUD | | 5,0 | 93,2 | 100,2 | 95,0 |
| 5 | 20/11/2014 | 8.06.04 | Elettrica | Italo | AV | 11 | 200 | 154 | 1 | SUD | | 3,0 | 91,0 | 95,8 | 94,0 |
| 6 | 20/11/2014 | 8.20.21 | Elettrica | Freccia Rossa | AV | 12 | 302 | 238 | 2 | NORD | | 5,4 | 86,7 | 94,0 | 88,4 |
| 7 | 20/11/2014 | 8.22.05 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 180 | 1 | SUD | | 5,2 | 91,7 | 98,9 | 93,5 |
| 8 | 20/11/2014 | 8.26.55 | Elettrica | Italo | AV | 11 | 200 | 209 | 1 | SUD | | 3,2 | 90,1 | 95,2 | 92,2 |
| 9 | 20/11/2014 | 8.32.52 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 164 | 2 | NORD | | 5,2 | 90,6 | 97,8 | 92,3 |
| 10 | 20/11/2014 | 8.36.41 | Elettrica | Italo | AV | 11 | 200 | 171 | 2 | NORD | | 3,2 | 88,5 | 93,6 | 91,8 |
| 11 | 20/11/2014 | 8.36.58 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 191 | 1 | SUD | | 5,0 | 90,8 | 97,8 | 93,1 |
| 12 | 20/11/2014 | 8.47.14 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 202 | 2 | NORD | | 5,2 | 88,2 | 95,4 | 91,1 |
| 13 | 20/11/2014 | 8.48.15 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 229 | 1 | SUD | | 5,2 | 90,2 | 97,3 | 91,8 |
| 14 | 20/11/2014 | 9.06.54 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 193 | 2 | NORD | | 5,2 | 88,8 | 95,9 | 91,3 |
| 15 | 20/11/2014 | 9.12.53 | Elettrica | Italo | AV | 11 | 200 | 141 | 1 | SUD | | 3,4 | 88,1 | 93,4 | 89,7 |
| 16 | 20/11/2014 | 9.16.35 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 190 | 2 | NORD | | 6,2 | 85,6 | 93,6 | 88,4 |
| 17 | 20/11/2014 | 9.19.51 | Elettrica | Italo | AV | 11 | 200 | 149 | 2 | NORD | | 4,2 | 84,0 | 90,2 | 86,2 |
| 18 | 20/11/2014 | 9.33.42 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 180 | 1 | SUD | | 5,2 | 90,2 | 97,4 | 92,5 |
| 19 | 20/11/2014 | 9.40.42 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 182 | 1 | SUD | | 5,0 | 92,3 | 99,3 | 93,6 |
| 20 | 20/11/2014 | 9.45.32 | Elettrica | Italo | AV | 11 | 200 | 123 | 2 | NORD | | 3,6 | 86,6 | 92,2 | 88,7 |
| 21 | 20/11/2014 | 9.49.23 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 185 | 2 | NORD | | 5,4 | 87,6 | 94,9 | 89,9 |
| 22 | 20/11/2014 | 9.51.36 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 207 | 1 | SUD | | 4,8 | 92,5 | 99,3 | 95,4 |
| 23 | 20/11/2014 | 9.52.25 | Elettrica | Italo | AV | 11 | 200 | 150 | 2 | NORD | | 3,6 | 86,5 | 92,1 | 88,6 |
| 24 | 20/11/2014 | 10.06.12 | Elettrica | Italo | AV | 11 | 200 | 194 | 1 | SUD | | 3,2 | 90,0 | 95,1 | 92,7 |
| 25 | 20/11/2014 | 10.22.20 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 181 | 2 | NORD | | 6,2 | 86,6 | 94,5 | 88,6 |
| 26 | 20/11/2014 | 10.26.30 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 164 | 1 | SUD | | 5,0 | 91,8 | 98,8 | 94,2 |
| 27 | 20/11/2014 | 10.37.37 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 183 | 1 | SUD | | 4,8 | 91,5 | 98,3 | 93,6 |
| 28 | 20/11/2014 | 10.42.57 | Elettrica | Freccia Rossa | AV | 12 | 302 | 175 | 2 | NORD | | 5,0 | 90,3 | 97,3 | 91,9 |
| 29 | 20/11/2014 | 10.48.12 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 206 | 2 | NORD | | 6,0 | 86,0 | 93,8 | 87,9 |
| 30 | 20/11/2014 | 10.51.05 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 155 | 2 | NORD | | 5,6 | 88,2 | 95,7 | 90,0 |
| 31 | 20/11/2014 | 10.56.18 | Elettrica | Italo | AV | 11 | 200 | 160 | 2 | NORD | | 3,4 | 86,8 | 92,2 | 88,4 |
| 32 | 20/11/2014 | 11.06.13 | Elettrica | Italo | AV | 11 | 200 | 154 | 1 | SUD | | 3,2 | 90,7 | 95,8 | 93,1 |
| 33 | 20/11/2014 | 11.22.34 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 182 | 2 | NORD | | 5,4 | 88,6 | 95,9 | 90,3 |
| 34 | 20/11/2014 | 11.31.49 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 197 | 1 | SUD | | 5,0 | 92,3 | 99,3 | 95,1 |
| 35 | 20/11/2014 | 11.36.00 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 208 | 1 | SUD | | 5,0 | 91,3 | 98,3 | 93,8 |
| 36 | 20/11/2014 | 11.36.51 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 208 | 2 | NORD | | 5,2 | 88,5 | 95,7 | 90,2 |
| 37 | 20/11/2014 | 11.45.16 | Elettrica | Italo | AV | 11 | 200 | 193 | 2 | NORD | | 3,6 | 84,9 | 90,4 | 86,7 |
| 38 | 20/11/2014 | 12.17.27 | Elettrica | Freccia Rossa | AV | 12 | 302 | 261 | 2 | NORD | | 4,8 | 89,6 | 96,4 | 91,8 |
| 39 | 20/11/2014 | 12.22.54 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 189 | 1 | SUD | | 4,6 | 94,8 | 101,4 | 97,9 |
| 40 | 20/11/2014 | 12.28.10 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 204 | 2 | NORD | | 5,4 | 89,4 | 96,7 | 91,2 |
| 41 | 20/11/2014 | 12.35.13 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 163 | 2 | NORD | | 5,4 | 87,8 | 95,1 | 89,6 |
| 42 | 20/11/2014 | 12.35.47 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 172 | 1 | SUD | | 5,0 | 92,1 | 99,1 | 93,6 |
| 43 | 20/11/2014 | 12.43.38 | Elettrica | Italo | AV | 11 | 200 | 191 | 2 | NORD | | 3,6 | 87,1 | 92,7 | 89,0 |
| 44 | 20/11/2014 | 13.15.53 | Elettrica | Italo | AV | 11 | 200 | 179 | 1 | SUD | | 3,4 | 90,2 | 95,5 | 92,4 |
| 45 | 20/11/2014 | 13.18.57 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 218 | 2 | NORD | | 5,0 | 89,9 | 96,9 | 92,5 |
| 46 | 20/11/2014 | 13.22.30 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 244 | 1 | SUD | | 7,2 | 93,4 | 101,9 | 96,1 |
| 47 | 20/11/2014 | 13.34.59 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | | 2 | NORD | Incrocio | 7,2 | 93,4 | 101,9 | 96,1 |
| 48 | 20/11/2014 | 13.36.22 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 209 | 2 | NORD | | 5,4 | 89,0 | 96,3 | 90,5 |
| 49 | 20/11/2014 | 13.49.23 | Elettrica | Freccia Rossa | AV | 13 | 327,6 | 193 | 1 | SUD | | 5,0 | 92,2 | 99,2 | 94,0 |
| 50 | 20/11/2014 | 13.49.00 | Elettrica | Italo | AV | 11 | 200 | 175 | 2 | NORD | | 3,4 | 86,1 | 91,4 | 88,1 |