Allegato 1

Certificato Tecnico Competente

Figura 1 ***Iscrizione all'albo dei Tecnici Competenti in Acustica Ambientale del Dott. Lorenzo Magni***

PROVINCIA DI PISA
Dipartimento del Territorio
Serv Sviluppo Sostenibile ed Energia

Proposta nr. 2852	**Del 26/06/2008**
Determinazione nr. 2823	**Del 26/06/2008**

Oggetto: Elenco Provinciale Tecnici Competenti in Acustica: inclusione nominativi e contestuale aggiornamento a seguito seduta del 19 Giugno 2008 dell'apposita commissione

IL DIRIGENTE

Vista la Legge quadro n°447 del 26 ottobre 1995 .

Vista la L.R. n°89 del 01 dicembre 1998 "Esercizio di attività di tecnico competente in acustica ambientale, approvazione regolamento e nomina della commissione .

Vista la comunicazione, protocollo n°104/13528/10-03 del 05 aprile 2000, inviataci dalla U.O.C. "Analisi Meteoclimatiche, Inquinamento acustico ed Elettromagnetico" del Dipartimento delle Politiche Territoriali e Ambientali della Regione Toscana .

Vista la Deliberazione C.P. n° 154 del 23 luglio 1999 "Esercizio di attività di tecnico competente in acustica ambientale, approvazione regolamento e nomina della commissione per l'esame delle domande" .

Vista la Deliberazione C.P. n°123 del 22 ottobre 2002 "Nomina della commissione preposta all'esame delle domande di inclusione nell'Elenco dei Tecnici Competenti in Acustica Ambientale di cui all'art. 2 commi 6, 7, e 8 della Legge 447/95" .

Vista le nostre precedenti Determinazioni connesse all'inclusione di Tecnici Competenti in Acustica Ambientale nell'apposito Elenco Provinciale e riportanti in allegato aggiornamenti dello stesso .

Visto il Verbale, agli atti di questa Amministrazione, riportante gli esiti della seduta del 19 giugno 2008 dell'apposita Commissione Tecnica, istituita, ai sensi della Deliberazione C.P. n°123 del 22 ottobre 2002, per l'esame delle domande d'inserimento nell'Elenco Provinciale dei Tecnici Competenti in Acustica Ambientale, pervenute in ottemperanza a quanto previsto dalla vigente normativa per l'idoneità all'esercizio dell'attività di tecnico competente in acustica ambientale.

Accertata la propria competenza, ai sensi dell'art.107 del T.U. n°267 del 18.08.2000 e del Regolamento degli Uffici e dei Servizi di questo Ente:

DETERMINA

- Di procedere all'inserimento nell'Elenco Provinciale dei Tecnici Competenti in Acustica Ambientale dei nominativi dei sotto elencati richiedenti:

Provincia di Pisa - Determinazione n. 2823 del 26/06/2008

1) [redacted];

2) [redacted];

3) Dott. **Magni Lorenzo**, nato a Pontedera (PI), il 14.09.1980 e residente nel Comune di Ponsacco, in via Valdera P. n°109 ;

4) [redacted];

5) [redacted];

- Di aggiornare l'Elenco Provinciale dei Tecnici Competenti in Acustica Ambientale, a seguito degli inserimenti, così come riportato in allegato "1" .

- Di inviare copia del presente Atto ai sopra indicati [redacted], presso il domicilio di residenza sopra indicato, ad attestazione dell'avvenuto inserimento dei loro nominativi nell'Elenco Provinciale dei Tecnici Competenti in Acustica Ambientale.

- Di inviare copia del presente Atto alla Regione Toscana, Direzione Generale delle Politiche Territoriali e Ambientali, Settore Tutela dall'Inquinamento Elettromagnetico e Acustico, presso la sede posta in via Slataper n°6 a Firenze, affinché venga effettuato il previsto aggiornamento relativo ai dati Tecnici Competenti in Acustica Ambientale di pertinenza della Provincia di Pisa.

- Di inviare copia del presente all'A.R.P.A.T., Dipartimento Provinciale di Pisa, U.O. Fisica Ambientale, presso la sede posta in via Vittorio Veneto n°27 a Pisa .

IL DIRIGENTE
Laura Pioli

Ai sensi dell'art. 124 , comma 1 T.U. Enti locali il presente provvedimento è in pubblicazione all'albo pretorio informatico per 15 giorni consecutivi dal 26/06/2008 al 11/07/2008.

IL RESPONSABILE
- Elisabetta Samek Lodovici

L'atto è sottoscritto digitalmente ai sensi del Dlgs n. 10/2002 e del T.U. n. 445/2000

E' Copia conforme all'originale.

Firma e Timbro

Provincia di Pisa - Determinazione n. 2823 del 26/06/2008

ALLEGATO 2

Certificato di taratura del Fonometro e del Calibratore

Figura 1 ***Certificato di Taratura Fonometro Integratore di Precisione Larson Davis 824, Preamplificatore PRM902 e Microfono 2541 (Larson & Davis)***

SIT SERVIZIO DI TARATURA IN ITALIA
Calibration Service in Italy

CENTRO DI TARATURA 068
Calibration Centre

L.C.E. S.r.l.
Via dei Platani n.7/9 - 20090 Opera (MI)
Tel. 02-57602858, Fax. 02-57607234
http://www.lce.it - info@lce.it

ESTRATTO DEL CERTIFICATO DI TARATURA N. 22668-A

Data Certificato 2008-04-03
Destinatario STEAM SRL

Parametri ambientali

	Di riferimento	Durante la misura
Temperatura (°C)	23.0	20.8
Umidità (%)	50.0	48.6
Pressione (hPa)	1013.3	1001.6

Catena di misura analizzata

Strumento	Modello	Costruttore	Matricola
Fonometro	824	Larson & Davis	1043
Preamplificatore	PRM 902	Larson & Davis	1536
Microfono	2541	Larson & Davis	7320

Il Responsabile del Centro
Sergenti Marco

Figura 2 ***Certificato di Taratuta del Calibratore di Livello Sonoro CAL 2000 Conforme IEC 942 classe (Larson & Davis)***

SIT SERVIZIO DI TARATURA IN ITALIA
Calibration Service in Italy

CENTRO DI TARATURA 068
Calibration Centre

L.C.E. S.r.l.
Via dei Platani n.7/9 - 20090 Opera (MI)
Tel. 02-57602858, Fax. 02-57607234
http://www.lce.it - info@lce.it

ESTRATTO DEL CERTIFICATO DI TARATURA N. 22667-A

Data Certificato 2008-04-03
Destinatario STEAM SRL

Parametri ambientali

	Di riferimento	Durante la misura
Temperatura (°C)	23.0	20.8
Umidità (%)	50.0	48.6
Pressione (hPa)	1013.3	1001.6

Catena di misura analizzata

Strumento	Modello	Costruttore	Matricola
Calibratore	CAL200	Larson & Davis	2653

Il Responsabile del Centro
Sergenti Marco

Allegato 3

Schede Tecniche delle Misure Fonometriche e Fotografie delle Postazioni di Misura

STEAM

Punto di Misura :P1D_1

Località: Scandicci (FI)

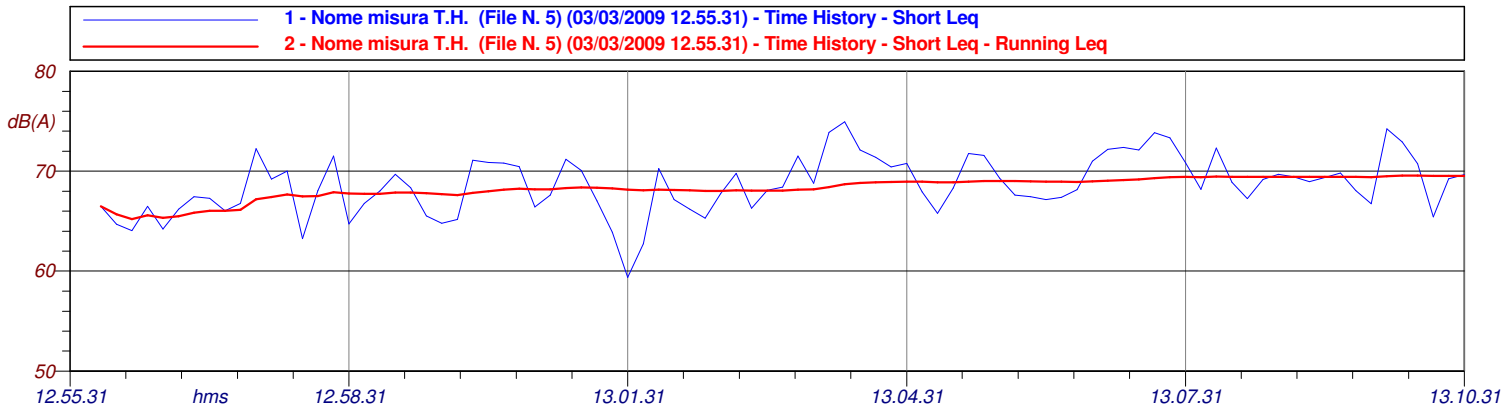
Data, ora misura : 03/03/2009 12.55.31

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 74.3 dB(A) fast
L10: 72.2 dB(A) fast
L50: 68.4 dB(A) fast
L90: 65.1 dB(A) fast
L95: 64.1 dB(A) fast
L99: 62.3 dB(A) fast

Leq (A) : 69.5 dBA



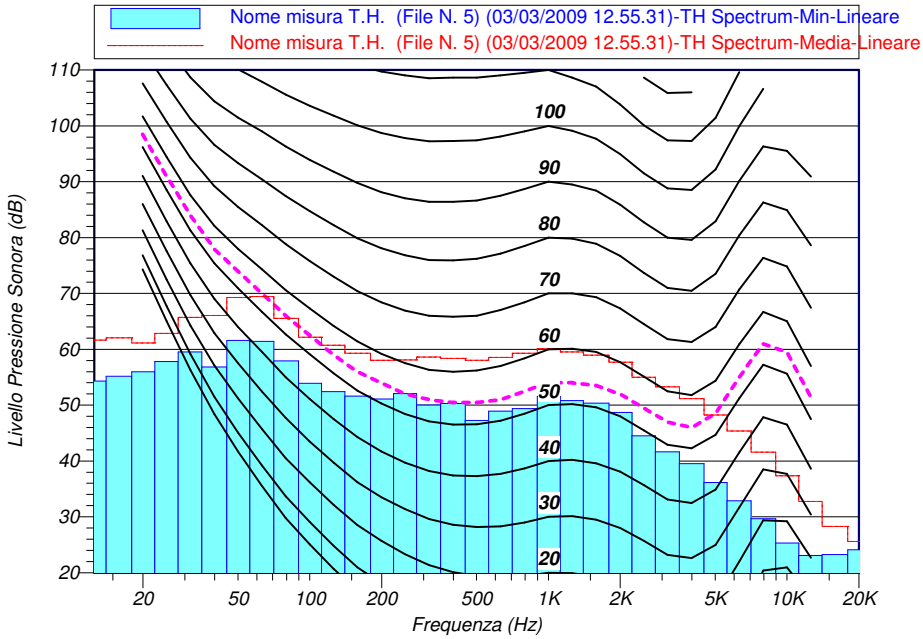
Spettro Livello Equivalente

Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	61.7 dB	630	58.5 dB
16	62.0 dB	800	59.3 dB
20	61.1 dB	1000	60.1 dB
25	62.9 dB	1250	59.5 dB
31.5	65.7 dB	1600	58.9 dB
40	66.0 dB	2000	57.7 dB
50	69.3 dB	2500	55.0 dB
63	69.4 dB	3150	53.2 dB
80	65.5 dB	4000	51.2 dB
100	62.2 dB	5000	48.2 dB
125	60.7 dB	6300	45.4 dB
160	59.3 dB	8000	41.6 dB
200	58.0 dB	10000	37.4 dB
250	58.1 dB	12500	32.8 dB
315	58.6 dB	16000	28.3 dB
400	58.4 dB	20000	25.6 dB
500	58.0 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***56.8*** *03Mar2009 13:01:32*	***79.0*** *03Mar2009 13:09:38*	***70.5*** *03Mar2009 12:56:25*	***94.6*** *03Mar2009 12:57:43*
F	***55.8*** *03Mar2009 13:01:32*	***82.2*** *03Mar2009 13:06:51*	***68.2*** *03Mar2009 12:56:24*	***96.8*** *03Mar2009 12:57:42*
I	***56.2*** *03Mar2009 13:01:32*	***85.4*** *03Mar2009 13:06:51*	***71.0*** *03Mar2009 12:56:24*	***97.3*** *03Mar2009 12:57:42*

Spettro Livello Minimo

Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.3 dB	630	48.9 dB
16	55.2 dB	800	49.4 dB
20	56.0 dB	1000	51.5 dB
25	57.8 dB	1250	50.8 dB
31.5	59.5 dB	1600	50.4 dB
40	56.9 dB	2000	48.7 dB
50	61.6 dB	2500	44.5 dB
63	61.4 dB	3150	41.6 dB
80	57.9 dB	4000	39.5 dB
100	53.9 dB	5000	36.1 dB
125	52.4 dB	6300	32.9 dB
160	51.6 dB	8000	29.7 dB
200	51.1 dB	10000	25.3 dB
250	52.1 dB	12500	23.1 dB
315	50.0 dB	16000	23.2 dB
400	50.3 dB	20000	24.1 dB
500	47.2 dB		



STEAM

Punto di Misura :P1D_2

Località: Scandicci (FI)

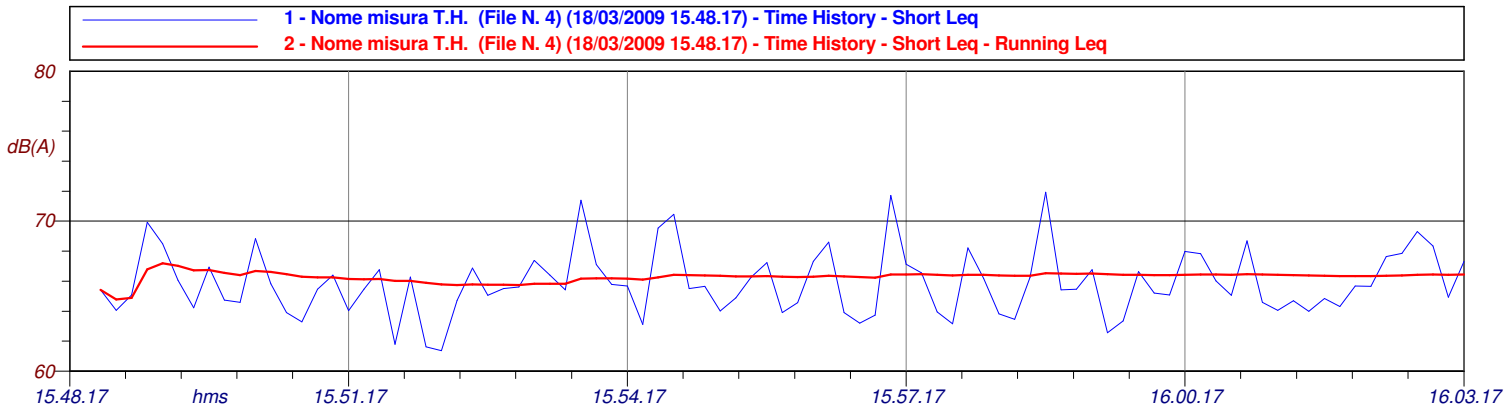
Data, ora misura : 18/03/2009 15.48.17

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 71.7 dB(A) fast
L10: 68.6 dB(A) fast
L50: 65.5 dB(A) fast
L90: 63.5 dB(A) fast
L95: 63.1 dB(A) fast
L99: 61.6 dB(A) fast

Leq (A) : 66.4 dBA



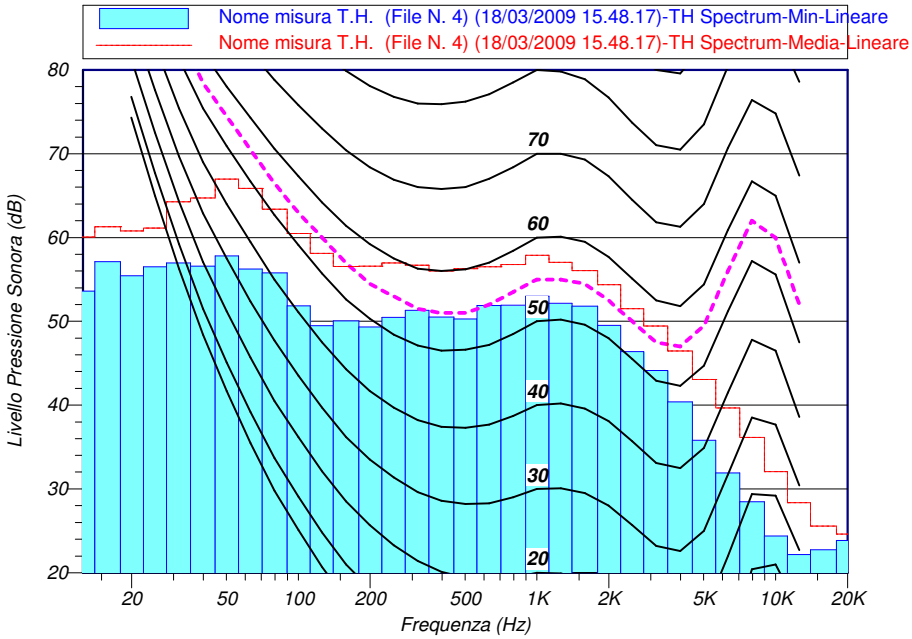
Spettro Livello Equivalente

Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	60.1 dB	630	56.5 dB
16	61.3 dB	800	56.8 dB
20	60.8 dB	1000	57.9 dB
25	61.1 dB	1250	57.0 dB
31.5	64.3 dB	1600	56.0 dB
40	64.7 dB	2000	54.4 dB
50	67.0 dB	2500	51.5 dB
63	65.9 dB	3150	49.5 dB
80	63.4 dB	4000	46.5 dB
100	60.5 dB	5000	43.1 dB
125	58.1 dB	6300	39.7 dB
160	56.5 dB	8000	36.2 dB
200	56.6 dB	10000	32.1 dB
250	57.0 dB	12500	28.4 dB
315	56.7 dB	16000	25.6 dB
400	56.0 dB	20000	24.6 dB
500	56.3 dB		

	Lmin (A)	***Lmax (A)***	***Lmin (Lin)***	***Lmax (Lin)***
S	***57.9*** *18Mar2009 15:52:09*	***77.6*** *18Mar2009 15:57:05*	***66.5*** *18Mar2009 15:51:40*	***88.7*** *18Mar2009 15:57:55*
F	***56.9*** *18Mar2009 15:52:08*	***82.5*** *18Mar2009 15:57:05*	***65.2*** *18Mar2009 15:51:40*	***91.6*** *18Mar2009 15:57:05*
I	***57.6*** *18Mar2009 15:52:09*	***85.6*** *18Mar2009 15:57:05*	***67.0*** *18Mar2009 15:51:40*	***93.2*** *18Mar2009 15:57:05*

Spettro Livello Minimo

Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	53.6 dB	630	51.9 dB
16	57.1 dB	800	51.9 dB
20	55.4 dB	1000	53.0 dB
25	56.5 dB	1250	52.2 dB
31.5	57.0 dB	1600	51.8 dB
40	56.6 dB	2000	49.5 dB
50	57.8 dB	2500	46.4 dB
63	56.2 dB	3150	44.1 dB
80	55.8 dB	4000	40.4 dB
100	51.9 dB	5000	35.8 dB
125	49.5 dB	6300	31.9 dB
160	50.0 dB	8000	28.5 dB
200	49.3 dB	10000	24.4 dB
250	50.5 dB	12500	22.2 dB
315	51.3 dB	16000	22.8 dB
400	50.5 dB	20000	23.8 dB
500	50.3 dB		



STEAM

Punto di Misura :P1D_3

Località: Scandicci (FI)

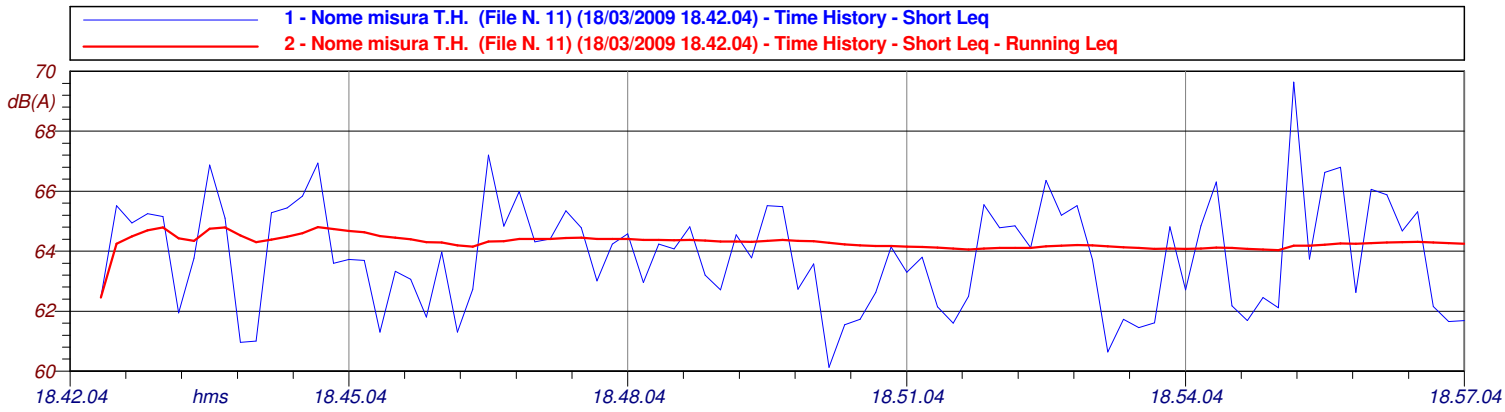
Data, ora misura : 18/03/2009 18.42.04

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 67.5 dB(A) fast
L10: 66.0 dB(A) fast
L50: 63.8 dB(A) fast
L90: 61.6 dB(A) fast
L95: 61.3 dB(A) fast
L99: 60.5 dB(A) fast

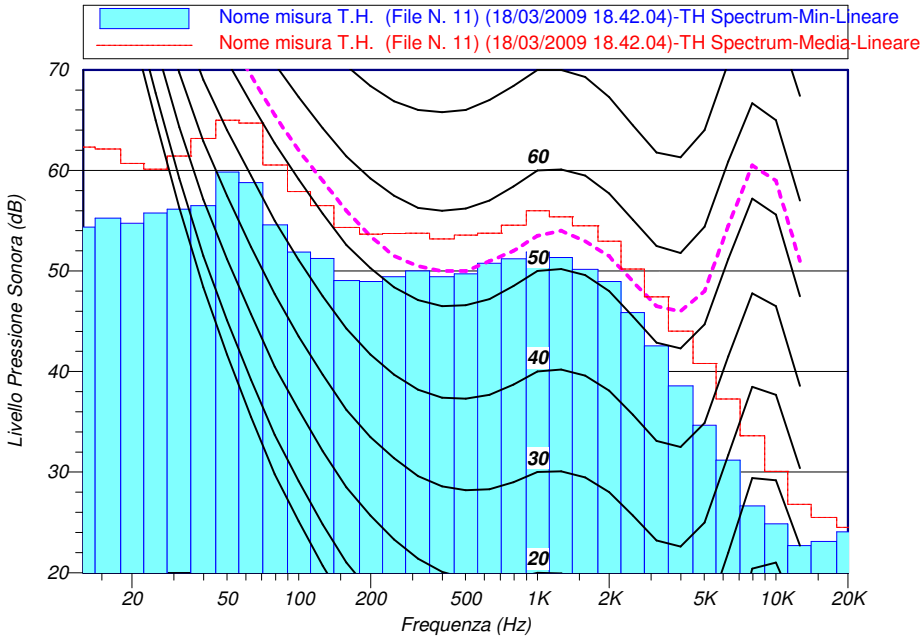
Leq (A) : 64.2 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	62.3 dB	630	53.8 dB
16	62.1 dB	800	54.6 dB
20	60.7 dB	1000	56.0 dB
25	60.1 dB	1250	55.4 dB
31.5	61.4 dB	1600	54.5 dB
40	63.2 dB	2000	52.9 dB
50	65.0 dB	2500	50.2 dB
63	64.7 dB	3150	47.4 dB
80	60.5 dB	4000	44.0 dB
100	57.9 dB	5000	40.8 dB
125	56.5 dB	6300	37.3 dB
160	54.3 dB	8000	33.6 dB
200	53.7 dB	10000	30.1 dB
250	53.7 dB	12500	26.8 dB
315	53.8 dB	16000	25.5 dB
400	53.2 dB	20000	24.5 dB
500	53.6 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.4 dB	630	50.8 dB
16	55.3 dB	800	51.2 dB
20	54.8 dB	1000	51.9 dB
25	55.8 dB	1250	51.3 dB
31.5	56.1 dB	1600	50.2 dB
40	56.5 dB	2000	49.0 dB
50	59.8 dB	2500	45.9 dB
63	58.8 dB	3150	42.6 dB
80	54.6 dB	4000	38.6 dB
100	51.9 dB	5000	34.7 dB
125	51.3 dB	6300	31.2 dB
160	49.1 dB	8000	26.7 dB
200	48.9 dB	10000	24.8 dB
250	49.4 dB	12500	22.7 dB
315	50.0 dB	16000	23.1 dB
400	49.4 dB	20000	24.1 dB
500	49.7 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***57.4*** *18Mar2009 18:55:03*	***75.1*** *18Mar2009 18:55:13*	***68.3*** *18Mar2009 18:55:19*	***80.9*** *18Mar2009 18:49:00*
F	***56.1*** *18Mar2009 18:55:03*	***78.7*** *18Mar2009 18:55:35*	***66.5*** *18Mar2009 18:45:48*	***84.7*** *18Mar2009 18:48:40*
I	***56.5*** *18Mar2009 18:55:03*	***79.9*** *18Mar2009 18:55:35*	***68.6*** *18Mar2009 18:45:48*	***87.2*** *18Mar2009 18:48:40*



STEAM

Punto di Misura :P1N_1

Località: Scandicci (FI)

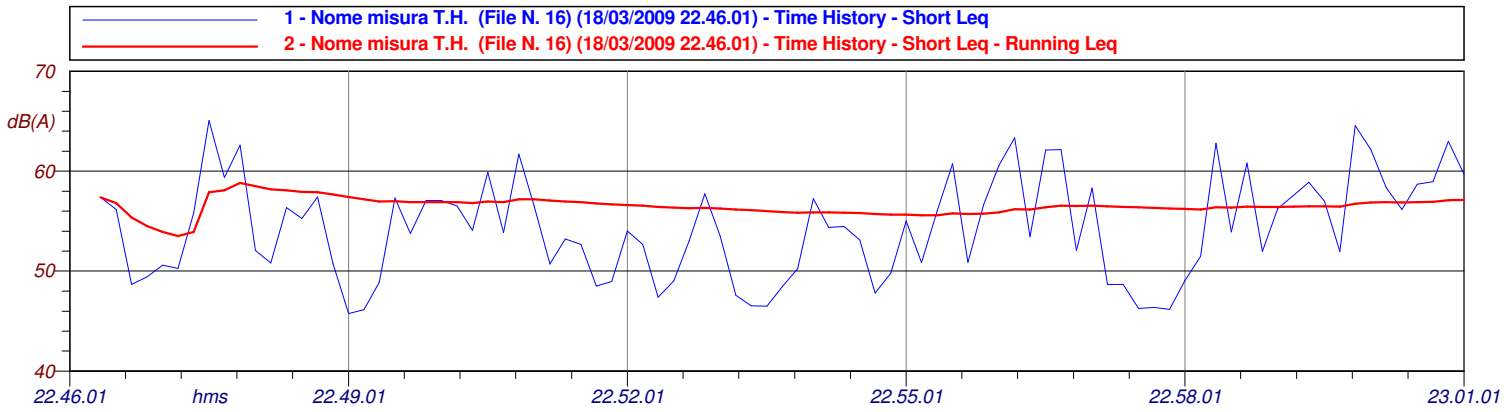
Data, ora misura : 18/03/2009 22.46.01

Durata: 901.600 s

Strumentazione : Larson-Davis 824

L01: 64.6 dB(A) fast
L10: 61.8 dB(A) fast
L50: 54.0 dB(A) fast
L90: 47.8 dB(A) fast
L95: 46.4 dB(A) fast
L99: 46.1 dB(A) fast

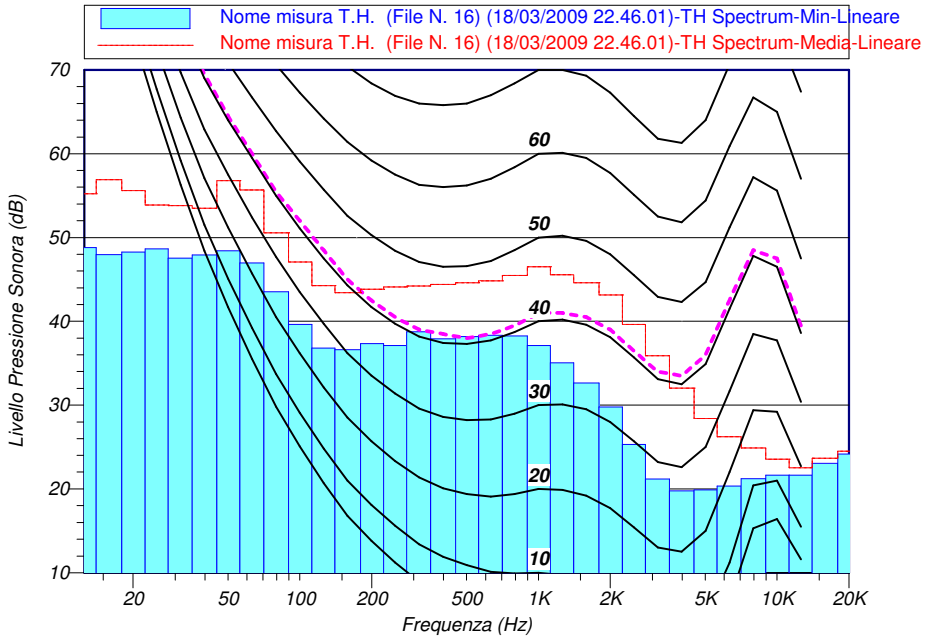
Leq (A) : 57.1 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	55.2 dB	630	44.8 dB
16	56.9 dB	800	45.5 dB
20	55.6 dB	1000	46.5 dB
25	53.9 dB	1250	45.6 dB
31.5	53.8 dB	1600	44.6 dB
40	53.5 dB	2000	43.2 dB
50	56.8 dB	2500	39.6 dB
63	55.7 dB	3150	35.9 dB
80	50.6 dB	4000	32.0 dB
100	47.1 dB	5000	28.4 dB
125	44.2 dB	6300	26.2 dB
160	43.4 dB	8000	24.9 dB
200	43.8 dB	10000	23.6 dB
250	44.1 dB	12500	22.5 dB
315	44.2 dB	16000	23.7 dB
400	44.4 dB	20000	24.5 dB
500	44.6 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***44.4*** *18Mar2009 22:49:01*	***68.8*** *18Mar2009 22:56:06*	***56.9*** *18Mar2009 22:54:29*	***80.3*** *18Mar2009 23:00:32*
F	***44.0*** *18Mar2009 22:49:00*	***70.9*** *18Mar2009 22:56:05*	***55.3*** *18Mar2009 22:54:29*	***82.9*** *18Mar2009 22:47:29*
I	***44.2*** *18Mar2009 22:49:00*	***71.5*** *18Mar2009 22:56:05*	***58.2*** *18Mar2009 22:54:29*	***85.4*** *18Mar2009 22:57:54*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	48.8 dB	630	38.3 dB
16	48.0 dB	800	38.3 dB
20	48.2 dB	1000	37.1 dB
25	48.6 dB	1250	35.0 dB
31.5	47.5 dB	1600	32.7 dB
40	47.9 dB	2000	29.8 dB
50	48.4 dB	2500	25.3 dB
63	47.0 dB	3150	21.2 dB
80	43.5 dB	4000	19.8 dB
100	39.6 dB	5000	19.9 dB
125	36.8 dB	6300	20.3 dB
160	36.6 dB	8000	21.2 dB
200	37.4 dB	10000	21.6 dB
250	37.1 dB	12500	21.6 dB
315	38.8 dB	16000	23.1 dB
400	37.9 dB	20000	24.2 dB
500	38.2 dB		



STEAM

Punto di Misura :P1N_2

Località: Scandicci (FI)

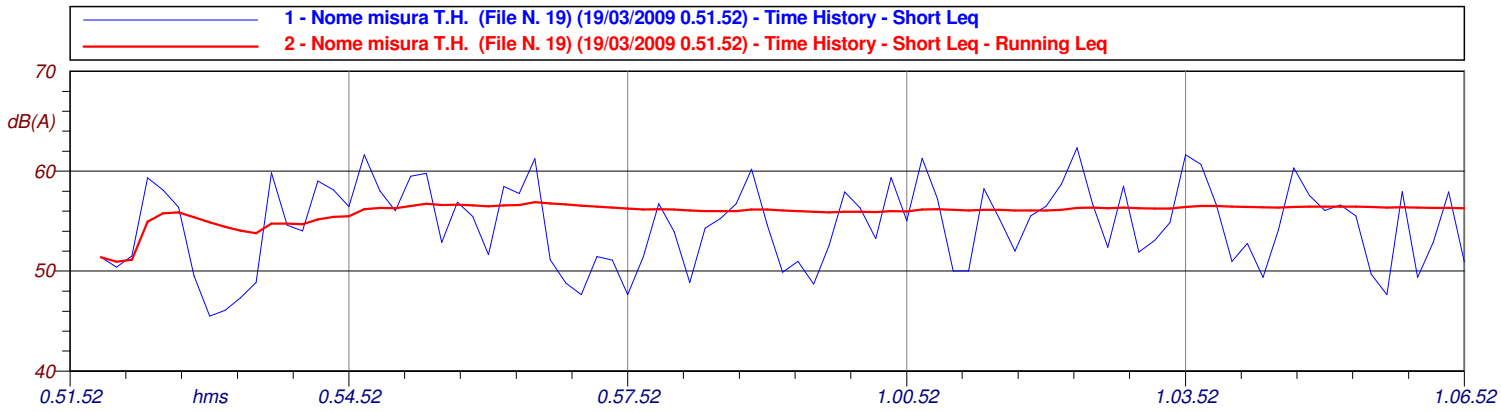
Data, ora misura : 19/03/20090.51.52

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 61.8 dB(A) fast
L10: 59.8 dB(A) fast
L50: 55.1 dB(A) fast
L90: 48.9 dB(A) fast
L95: 47.7 dB(A) fast
L99: 46.0 dB(A) fast

Leq (A) : 56.3 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	53.9 dB	630	45.0 dB
16	57.3 dB	800	45.7 dB
20	54.9 dB	1000	46.5 dB
25	53.3 dB	1250	46.1 dB
31.5	53.3 dB	1600	45.1 dB
40	54.5 dB	2000	43.2 dB
50	55.9 dB	2500	39.9 dB
63	55.1 dB	3150	36.2 dB
80	50.4 dB	4000	32.5 dB
100	46.9 dB	5000	29.2 dB
125	44.9 dB	6300	26.7 dB
160	44.1 dB	8000	24.8 dB
200	43.7 dB	10000	23.2 dB
250	43.9 dB	12500	22.3 dB
315	44.8 dB	16000	23.3 dB
400	44.3 dB	20000	24.3 dB
500	44.9 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***44.5*** *19Mar2009 00:53:21*	***66.4*** *19Mar2009 01:02:34*	***55.5*** *19Mar2009 01:05:56*	***75.9*** *19Mar2009 01:03:55*
F	***44.2*** *19Mar2009 00:53:21*	***68.2*** *19Mar2009 01:00:58*	***53.5*** *19Mar2009 01:05:56*	***78.2*** *19Mar2009 01:03:54*
I	***44.5*** *19Mar2009 00:53:20*	***68.6*** *19Mar2009 01:00:58*	***56.5*** *19Mar2009 01:05:56*	***80.1*** *19Mar2009 01:04:57*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	45.7 dB	630	38.8 dB
16	46.9 dB	800	38.3 dB
20	46.4 dB	1000	36.5 dB
25	47.8 dB	1250	34.9 dB
31.5	47.0 dB	1600	32.9 dB
40	45.6 dB	2000	29.7 dB
50	46.4 dB	2500	25.6 dB
63	45.4 dB	3150	21.6 dB
80	43.1 dB	4000	19.7 dB
100	38.8 dB	5000	20.3 dB
125	37.4 dB	6300	20.5 dB
160	37.4 dB	8000	21.3 dB
200	37.2 dB	10000	21.6 dB
250	37.4 dB	12500	21.7 dB
315	38.2 dB	16000	23.1 dB
400	37.9 dB	20000	24.2 dB
500	38.5 dB		

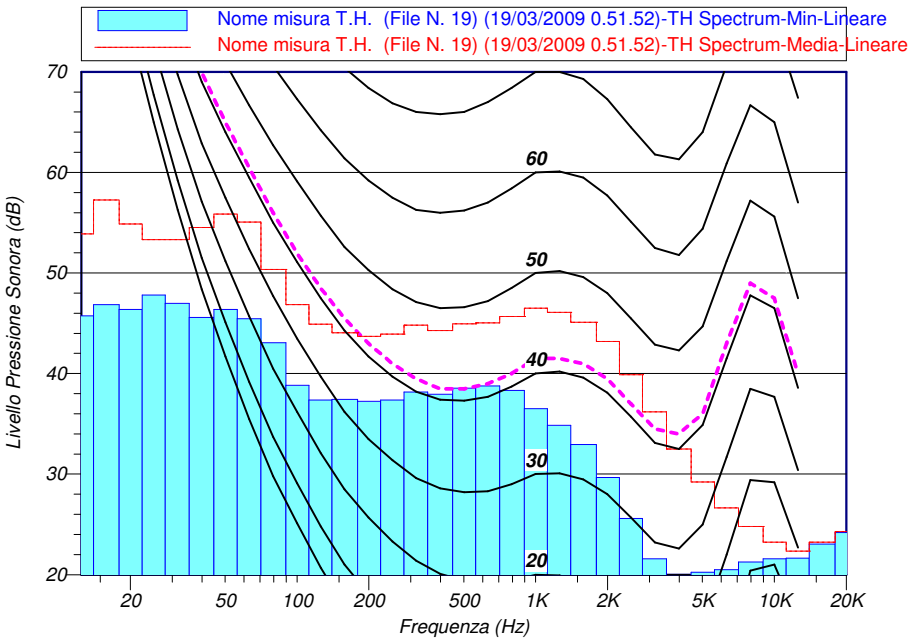


Figura 1 Foto Punto di Misura P1

STEAM

Punto di Misura :P2D_1

Località: Scandicci (FI)

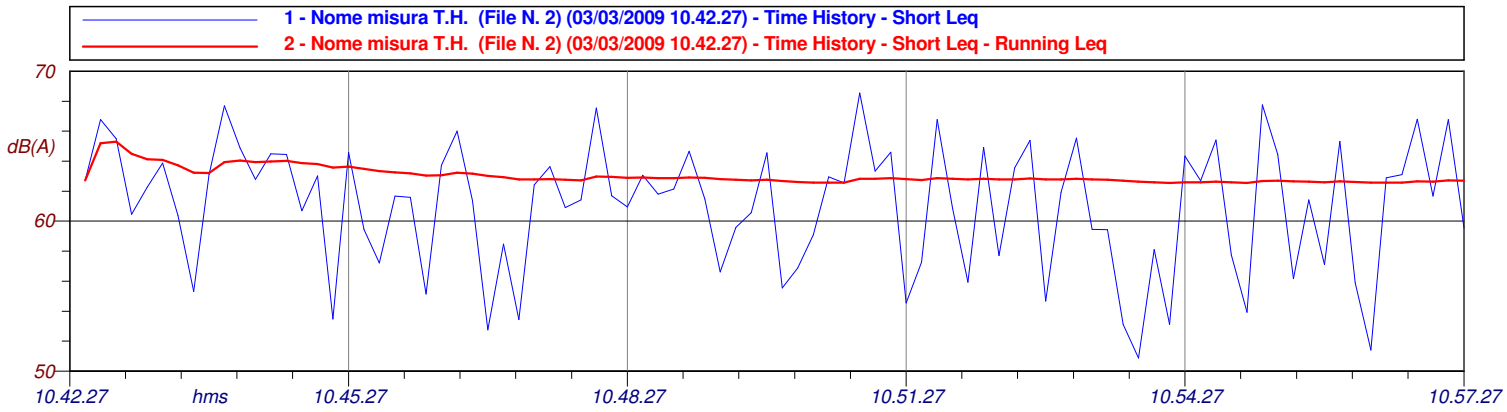
Data, ora misura : 03/03/2009 10.42.27

Durata: 900.300 s

Strumentazione : Larson-Davis 824

L01: 67.9 dB(A) fast
L10: 65.5 dB(A) fast
L50: 61.7 dB(A) fast
L90: 54.7 dB(A) fast
L95: 53.2 dB(A) fast
L99: 51.3 dB(A) fast

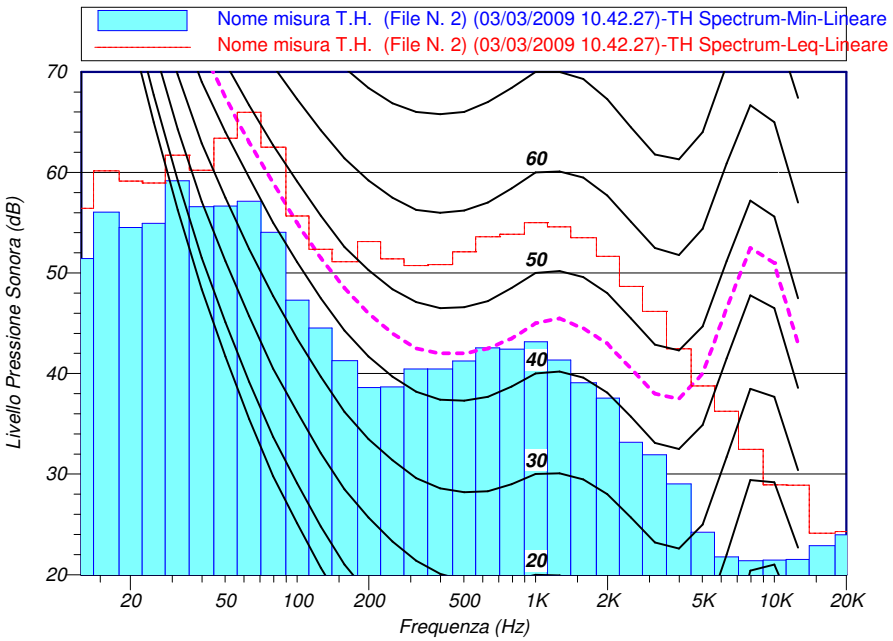
Leq (A) : 62.7 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	56.4 dB	630	53.6 dB
16	60.2 dB	800	53.9 dB
20	59.1 dB	1000	55.0 dB
25	58.9 dB	1250	54.6 dB
31.5	61.7 dB	1600	53.5 dB
40	60.2 dB	2000	51.7 dB
50	63.4 dB	2500	48.7 dB
63	66.0 dB	3150	46.2 dB
80	62.5 dB	4000	42.5 dB
100	55.7 dB	5000	38.8 dB
125	52.3 dB	6300	36.3 dB
160	51.1 dB	8000	32.5 dB
200	53.1 dB	10000	28.9 dB
250	51.4 dB	12500	28.9 dB
315	50.7 dB	16000	24.1 dB
400	50.8 dB	20000	24.3 dB
500	52.1 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***49.7*** *03Mar2009 10:56:15*	***73.4*** *03Mar2009 10:54:45*	***65.9*** *03Mar2009 10:54:17*	***85.0*** *03Mar2009 10:53:16*
F	***48.9*** *03Mar2009 10:56:14*	***79.3*** *03Mar2009 10:54:45*	***63.8*** *03Mar2009 10:56:15*	***87.9*** *03Mar2009 10:53:16*
I	***49.1*** *03Mar2009 10:56:15*	***82.2*** *03Mar2009 10:54:45*	***67.0*** *03Mar2009 10:56:15*	***88.4*** *03Mar2009 10:53:15*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	51.4 dB	630	42.6 dB
16	56.1 dB	800	42.4 dB
20	54.5 dB	1000	43.2 dB
25	54.9 dB	1250	41.4 dB
31.5	59.2 dB	1600	39.1 dB
40	56.6 dB	2000	37.6 dB
50	56.7 dB	2500	33.2 dB
63	57.1 dB	3150	31.9 dB
80	54.0 dB	4000	29.0 dB
100	47.3 dB	5000	24.2 dB
125	44.5 dB	6300	21.8 dB
160	41.3 dB	8000	21.4 dB
200	38.6 dB	10000	21.4 dB
250	38.7 dB	12500	21.5 dB
315	40.5 dB	16000	22.9 dB
400	40.5 dB	20000	24.0 dB
500	41.3 dB		



STEAM

Punto di Misura :P2D_2

Località: Scandicci (FI)

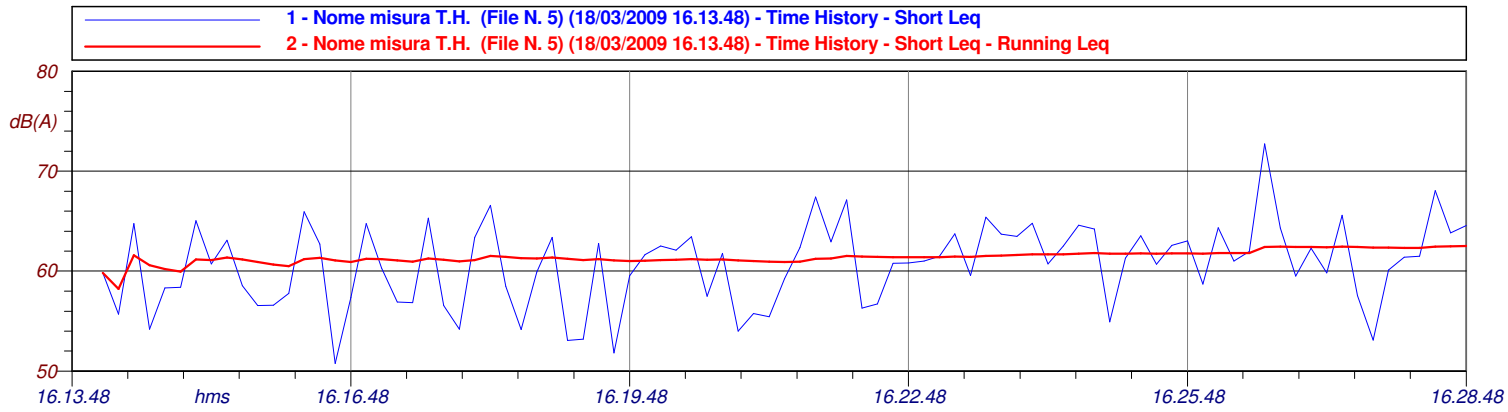
Data, ora misura : 18/03/2009 16.13.48

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 68.7 dB(A) fast
L10: 65.0 dB(A) fast
L50: 61.0 dB(A) fast
L90: 54.8 dB(A) fast
L95: 53.5 dB(A) fast
L99: 51.7 dB(A) fast

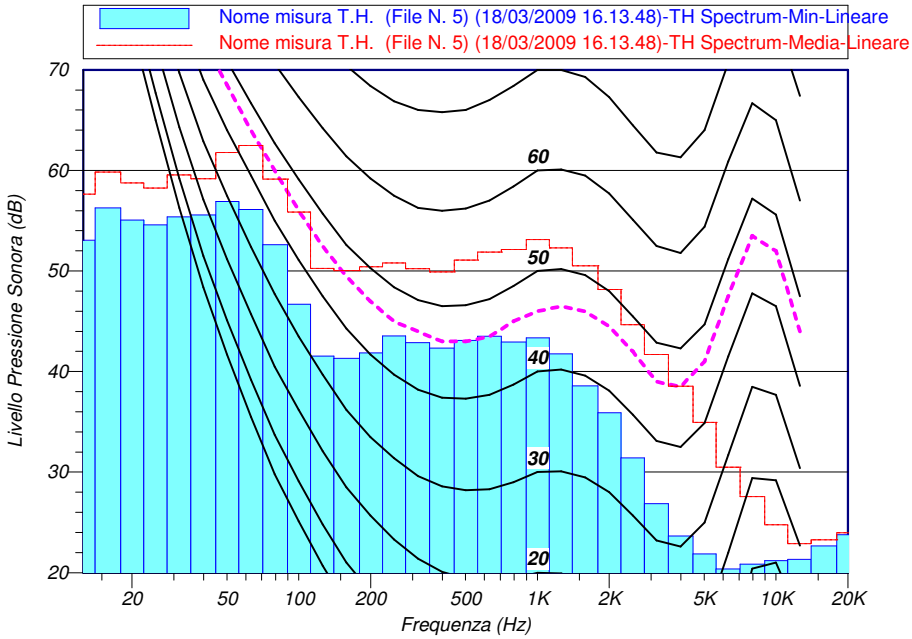
Leq (A) : 62.5 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	57.6 dB	630	51.9 dB
16	59.9 dB	800	52.2 dB
20	58.8 dB	1000	53.1 dB
25	58.3 dB	1250	52.3 dB
31.5	59.6 dB	1600	50.5 dB
40	59.2 dB	2000	48.2 dB
50	61.8 dB	2500	44.7 dB
63	62.5 dB	3150	41.7 dB
80	59.1 dB	4000	38.5 dB
100	55.9 dB	5000	35.0 dB
125	50.3 dB	6300	30.5 dB
160	50.0 dB	8000	27.6 dB
200	50.4 dB	10000	24.8 dB
250	50.8 dB	12500	22.9 dB
315	50.2 dB	16000	23.3 dB
400	49.9 dB	20000	24.0 dB
500	51.1 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	53.1 dB	630	43.5 dB
16	56.3 dB	800	42.9 dB
20	55.1 dB	1000	43.3 dB
25	54.6 dB	1250	41.8 dB
31.5	55.4 dB	1600	38.6 dB
40	55.6 dB	2000	35.9 dB
50	56.9 dB	2500	31.4 dB
63	56.1 dB	3150	26.9 dB
80	52.6 dB	4000	23.7 dB
100	46.7 dB	5000	21.9 dB
125	41.6 dB	6300	20.4 dB
160	41.3 dB	8000	20.9 dB
200	41.9 dB	10000	21.2 dB
250	43.5 dB	12500	21.3 dB
315	42.9 dB	16000	22.7 dB
400	42.3 dB	20000	23.8 dB
500	43.1 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***49.5*** *18Mar2009 16:16:37*	***78.7*** *18Mar2009 16:26:33*	***65.3*** *18Mar2009 16:17:08*	***84.0*** *18Mar2009 16:15:00*
F	***49.0*** *18Mar2009 16:16:36*	***82.3*** *18Mar2009 16:26:33*	***64.2*** *18Mar2009 16:16:35*	***87.2*** *18Mar2009 16:15:00*
I	***49.5*** *18Mar2009 16:16:36*	***83.0*** *18Mar2009 16:26:33*	***66.1*** *18Mar2009 16:16:35*	***88.1*** *18Mar2009 16:22:02*



STEAM

Punto di Misura :P2D_3

Località: Scandicci (FI)

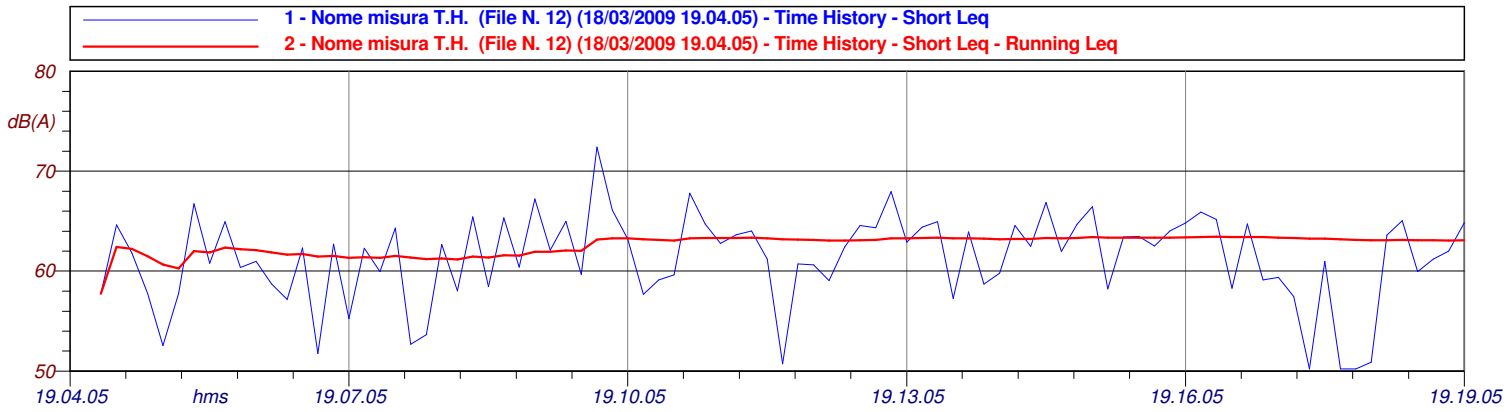
Data, ora misura : 18/03/2009 19.04.05

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 68.5 dB(A) fast
L10: 65.5 dB(A) fast
L50: 62.1 dB(A) fast
L90: 55.0 dB(A) fast
L95: 51.3 dB(A) fast
L99: 50.2 dB(A) fast

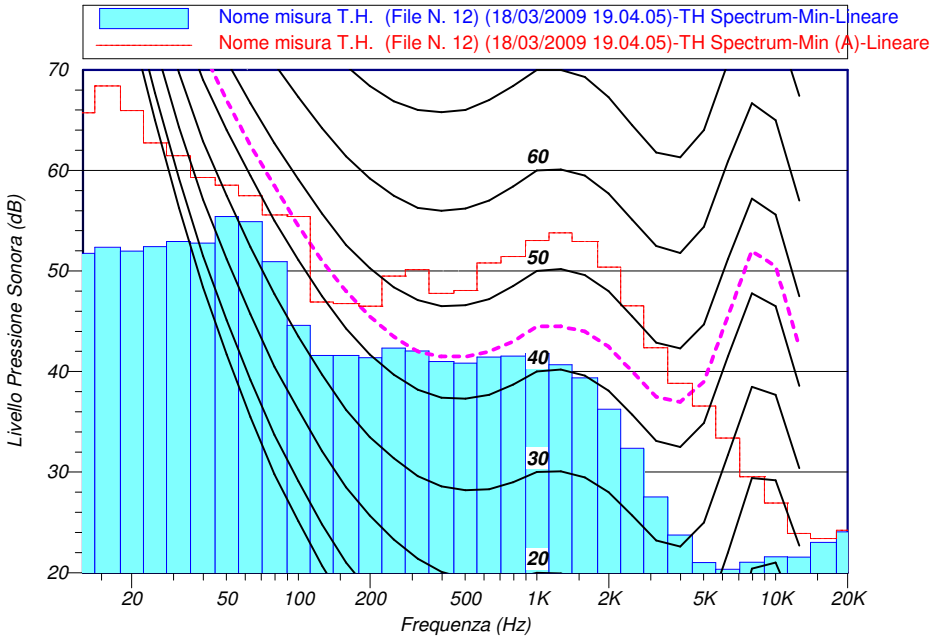
Leq (A) : 63.1 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	65.7 dB	630	50.8 dB
16	68.4 dB	800	51.5 dB
20	65.9 dB	1000	53.0 dB
25	62.7 dB	1250	53.8 dB
31.5	61.5 dB	1600	52.9 dB
40	59.3 dB	2000	50.4 dB
50	58.5 dB	2500	46.6 dB
63	57.5 dB	3150	42.4 dB
80	55.6 dB	4000	38.8 dB
100	55.4 dB	5000	36.6 dB
125	46.9 dB	6300	33.4 dB
160	46.8 dB	8000	29.5 dB
200	46.5 dB	10000	26.9 dB
250	49.5 dB	12500	23.9 dB
315	50.1 dB	16000	23.4 dB
400	47.8 dB	20000	24.2 dB
500	48.1 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	51.8 dB	630	41.5 dB
16	52.4 dB	800	41.6 dB
20	52.0 dB	1000	41.8 dB
25	52.4 dB	1250	40.7 dB
31.5	52.9 dB	1600	39.4 dB
40	52.8 dB	2000	36.3 dB
50	55.4 dB	2500	32.4 dB
63	54.9 dB	3150	27.5 dB
80	50.9 dB	4000	23.8 dB
100	44.6 dB	5000	21.0 dB
125	41.6 dB	6300	20.4 dB
160	41.6 dB	8000	21.1 dB
200	41.4 dB	10000	21.6 dB
250	42.4 dB	12500	21.6 dB
315	42.1 dB	16000	23.0 dB
400	41.0 dB	20000	24.1 dB
500	40.8 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***49.2*** *18Mar2009 19:07:47*	***75.0*** *18Mar2009 19:09:37*	***63.0*** *18Mar2009 19:17:56*	***86.1*** *18Mar2009 19:09:45*
F	***48.7*** *18Mar2009 19:17:34*	***79.4*** *18Mar2009 19:09:37*	***60.8*** *18Mar2009 19:17:56*	***89.5*** *18Mar2009 19:09:45*
I	***48.8*** *18Mar2009 19:07:45*	***80.3*** *18Mar2009 19:09:37*	***64.7*** *18Mar2009 19:17:56*	***90.9*** *18Mar2009 19:09:44*



STEAM

Punto di Misura :P2N_1

Località: Scandicci (FI)

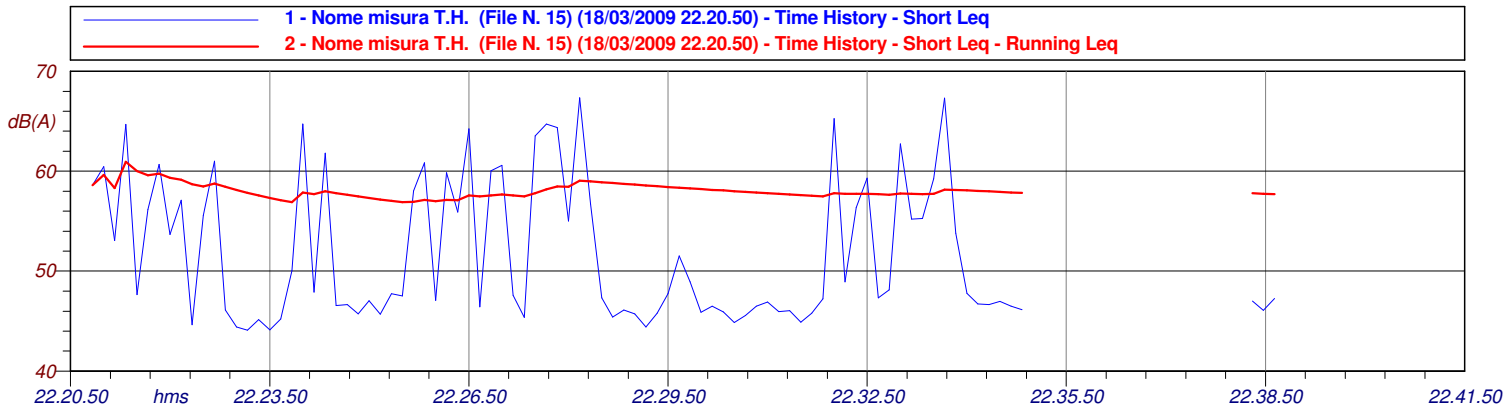
Data, ora misura : 18/03/2009 22.20.50

Durata: 869.000 s

Strumentazione : Larson-Davis 824

L01: 67.3 dB(A) fast
L10: 62.9 dB(A) fast
L50: 47.6 dB(A) fast
L90: 45.3 dB(A) fast
L95: 44.7 dB(A) fast
L99: 44.1 dB(A) fast

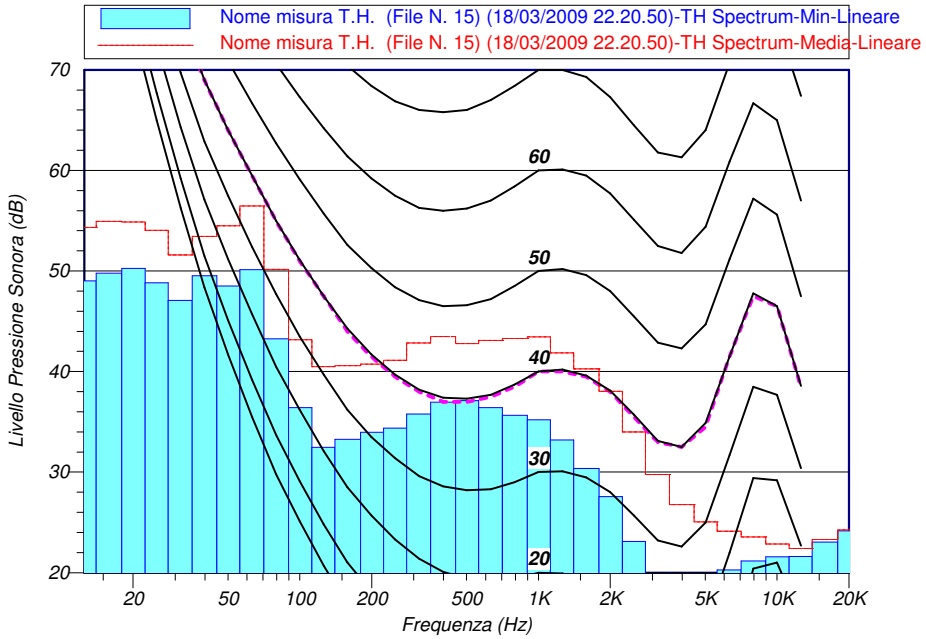
Leq (A) : 57.7 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.3 dB	630	43.1 dB
16	54.9 dB	800	43.3 dB
20	54.9 dB	1000	43.4 dB
25	54.1 dB	1250	41.9 dB
31.5	51.6 dB	1600	40.3 dB
40	53.4 dB	2000	38.0 dB
50	54.5 dB	2500	34.0 dB
63	56.5 dB	3150	29.8 dB
80	50.2 dB	4000	26.8 dB
100	43.2 dB	5000	25.0 dB
125	40.5 dB	6300	24.1 dB
160	40.6 dB	8000	23.6 dB
200	40.8 dB	10000	22.9 dB
250	41.1 dB	12500	22.4 dB
315	42.8 dB	16000	23.3 dB
400	43.5 dB	20000	24.2 dB
500	42.8 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***43.3*** *18Mar2009 22:23:27*	***71.0*** *18Mar2009 22:27:51*	***57.8*** *18Mar2009 22:23:27*	***80.3*** *18Mar2009 22:26:43*
F	***42.0*** *18Mar2009 22:22:31*	***72.4*** *18Mar2009 22:24:13*	***55.6*** *18Mar2009 22:23:27*	***83.0*** *18Mar2009 22:26:42*
I	***42.8*** *18Mar2009 22:22:31*	***73.0*** *18Mar2009 22:21:32*	***58.7*** *18Mar2009 22:23:27*	***84.1*** *18Mar2009 22:26:43*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	49.0 dB	630	36.4 dB
16	49.8 dB	800	35.7 dB
20	50.3 dB	1000	35.2 dB
25	48.8 dB	1250	33.2 dB
31.5	47.1 dB	1600	30.4 dB
40	49.5 dB	2000	27.6 dB
50	48.5 dB	2500	23.1 dB
63	50.1 dB	3150	19.7 dB
80	43.3 dB	4000	18.9 dB
100	36.4 dB	5000	19.6 dB
125	32.5 dB	6300	20.3 dB
160	33.3 dB	8000	21.2 dB
200	34.0 dB	10000	21.6 dB
250	34.4 dB	12500	21.6 dB
315	35.8 dB	16000	23.0 dB
400	37.0 dB	20000	24.2 dB
500	37.1 dB		



STEAM

Punto di Misura :P2N_2

Località: Scandicci (FI)

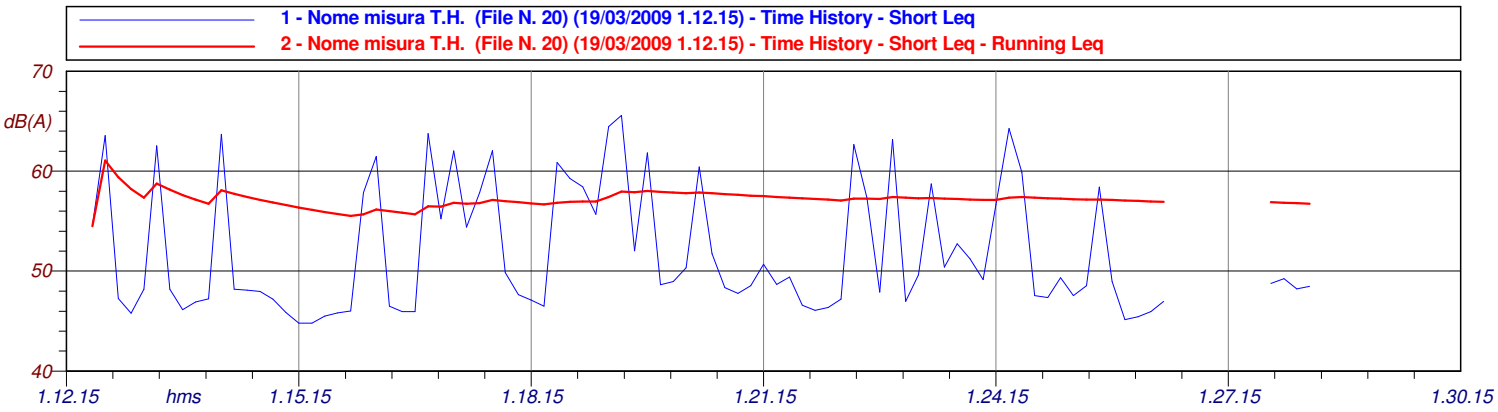
Data, ora misura : 19/03/2009 1.12.15

Durata: 859.000 s

Strumentazione : Larson-Davis 824

L01: 64.6 dB(A) fast
L10: 62.2 dB(A) fast
L50: 48.8 dB(A) fast
L90: 46.0 dB(A) fast
L95: 45.6 dB(A) fast
L99: 44.8 dB(A) fast

Leq (A) : 56.8 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.0 dB	630	43.9 dB
16	55.5 dB	800	44.3 dB
20	55.1 dB	1000	43.3 dB
25	53.8 dB	1250	42.4 dB
31.5	52.2 dB	1600	40.6 dB
40	51.8 dB	2000	37.8 dB
50	52.8 dB	2500	33.8 dB
63	54.3 dB	3150	30.1 dB
80	48.3 dB	4000	27.1 dB
100	41.2 dB	5000	25.4 dB
125	38.8 dB	6300	24.4 dB
160	39.0 dB	8000	23.6 dB
200	41.3 dB	10000	22.8 dB
250	42.3 dB	12500	22.2 dB
315	43.4 dB	16000	23.3 dB
400	43.6 dB	20000	24.3 dB
500	43.3 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***43.6*** *19Mar2009 01:15:44*	***72.1*** *19Mar2009 01:19:16*	***55.1*** *19Mar2009 01:16:36*	***79.9*** *19Mar2009 01:19:17*
F	***42.9*** *19Mar2009 01:15:42*	***74.3*** *19Mar2009 01:19:16*	***53.5*** *19Mar2009 01:16:36*	***83.1*** *19Mar2009 01:19:16*
I	***43.5*** *19Mar2009 01:15:12*	***76.0*** *19Mar2009 01:19:16*	***56.3*** *19Mar2009 01:16:36*	***85.0*** *19Mar2009 01:19:16*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	48.7 dB	630	37.1 dB
16	48.0 dB	800	36.8 dB
20	47.5 dB	1000	35.8 dB
25	47.5 dB	1250	34.0 dB
31.5	45.9 dB	1600	31.0 dB
40	45.4 dB	2000	28.1 dB
50	46.4 dB	2500	23.7 dB
63	47.1 dB	3150	20.4 dB
80	39.4 dB	4000	19.2 dB
100	33.0 dB	5000	19.8 dB
125	31.9 dB	6300	20.5 dB
160	32.7 dB	8000	21.3 dB
200	35.7 dB	10000	21.6 dB
250	36.5 dB	12500	21.7 dB
315	38.2 dB	16000	23.1 dB
400	38.4 dB	20000	24.2 dB
500	37.3 dB		

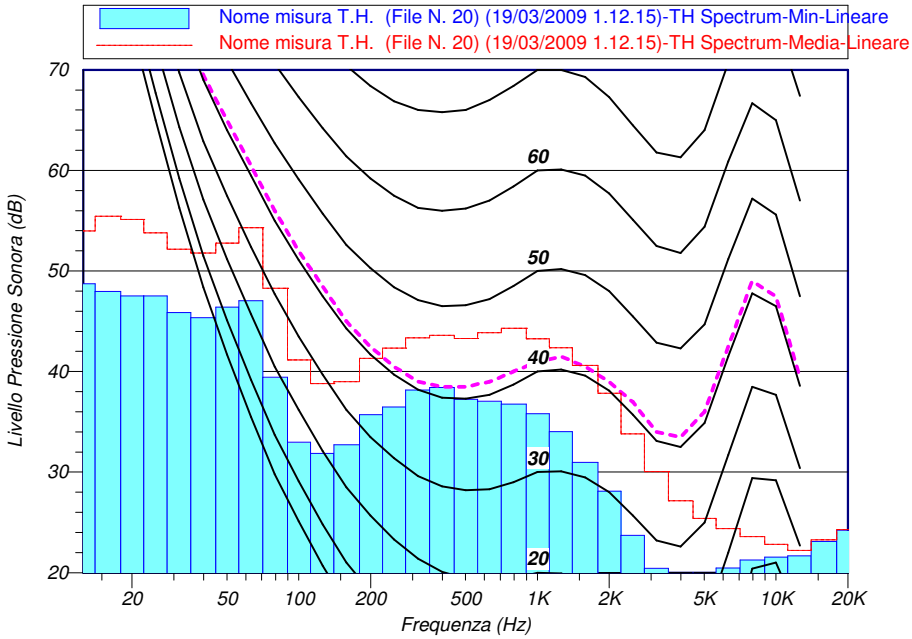


Figura 2 Foto Punto di Misura P2

STEAM

Punto di Misura :P3D_1

Località: Scandicci (FI)

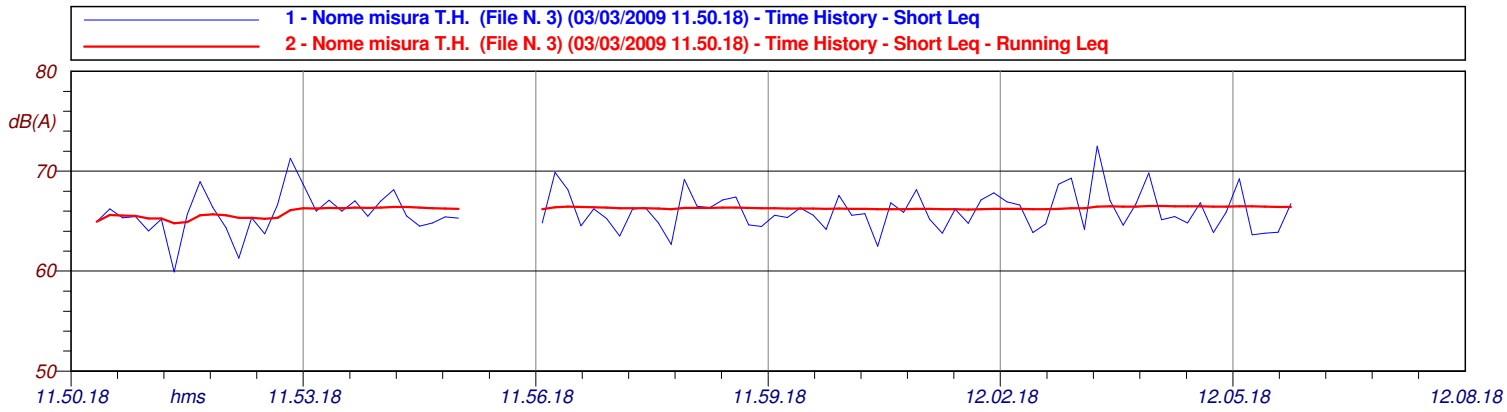
Data, ora misura : 03/03/2009 11.50.18

Durata: 306.000 s

Strumentazione : Larson-Davis 824

L01: 71.4 dB(A) fast
L10: 68.7 dB(A) fast
L50: 65.7 dB(A) fast
L90: 63.8 dB(A) fast
L95: 63.5 dB(A) fast
L99: 61.1 dB(A) fast

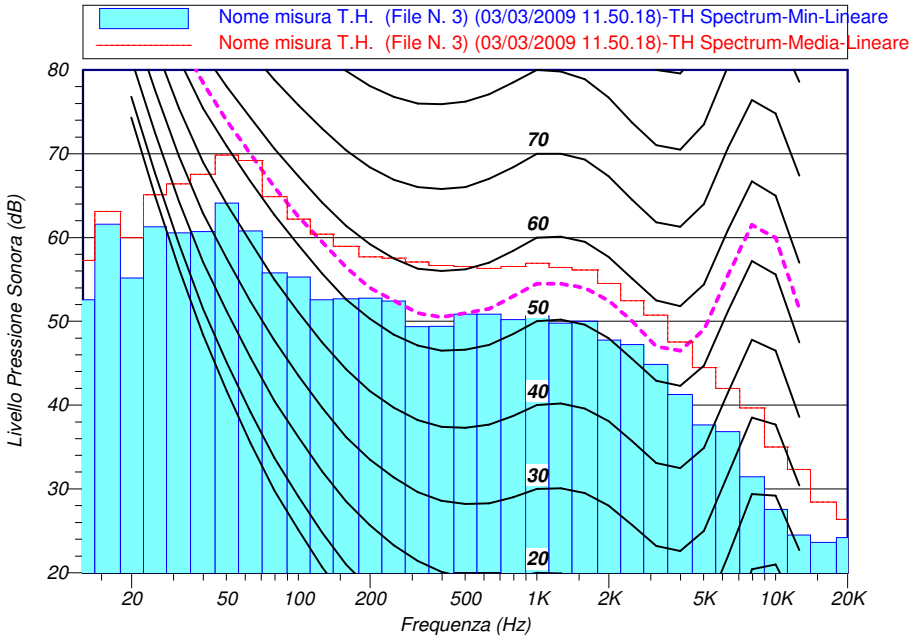
Leq (A) : 66.4 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	57.3 dB	630	56.3 dB
16	63.1 dB	800	56.6 dB
20	60.0 dB	1000	56.9 dB
25	65.1 dB	1250	56.4 dB
31.5	66.4 dB	1600	56.1 dB
40	67.6 dB	2000	54.5 dB
50	69.8 dB	2500	52.4 dB
63	69.2 dB	3150	50.8 dB
80	64.9 dB	4000	47.5 dB
100	62.2 dB	5000	44.5 dB
125	60.4 dB	6300	42.0 dB
160	59.0 dB	8000	39.7 dB
200	57.7 dB	10000	35.0 dB
250	57.5 dB	12500	32.3 dB
315	57.1 dB	16000	28.4 dB
400	56.7 dB	20000	26.4 dB
500	56.5 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***57.1*** *03Mar2009 11:51:31*	***77.0*** *03Mar2009 12:03:30*	***69.1*** *03Mar2009 11:51:33*	***85.8*** *03Mar2009 12:03:31*
F	***56.8*** *03Mar2009 11:51:29*	***81.0*** *03Mar2009 11:56:30*	***66.6*** *03Mar2009 11:51:33*	***87.8*** *03Mar2009 11:55:20*
I	***57.1*** *03Mar2009 11:51:29*	***82.6*** *03Mar2009 11:56:30*	***70.9*** *03Mar2009 11:51:33*	***90.8*** *03Mar2009 11:55:20*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.6 dB	630	50.8 dB
16	61.6 dB	800	50.2 dB
20	55.2 dB	1000	50.6 dB
25	61.3 dB	1250	49.8 dB
31.5	60.6 dB	1600	50.0 dB
40	60.7 dB	2000	47.8 dB
50	64.1 dB	2500	47.2 dB
63	60.8 dB	3150	44.9 dB
80	55.8 dB	4000	41.3 dB
100	55.3 dB	5000	37.6 dB
125	52.6 dB	6300	36.8 dB
160	52.7 dB	8000	31.5 dB
200	52.8 dB	10000	27.6 dB
250	52.4 dB	12500	24.5 dB
315	49.4 dB	16000	23.6 dB
400	49.4 dB	20000	24.2 dB
500	50.9 dB		



STEAM

Punto di Misura :P3D_2

Località: Scandicci (FI)

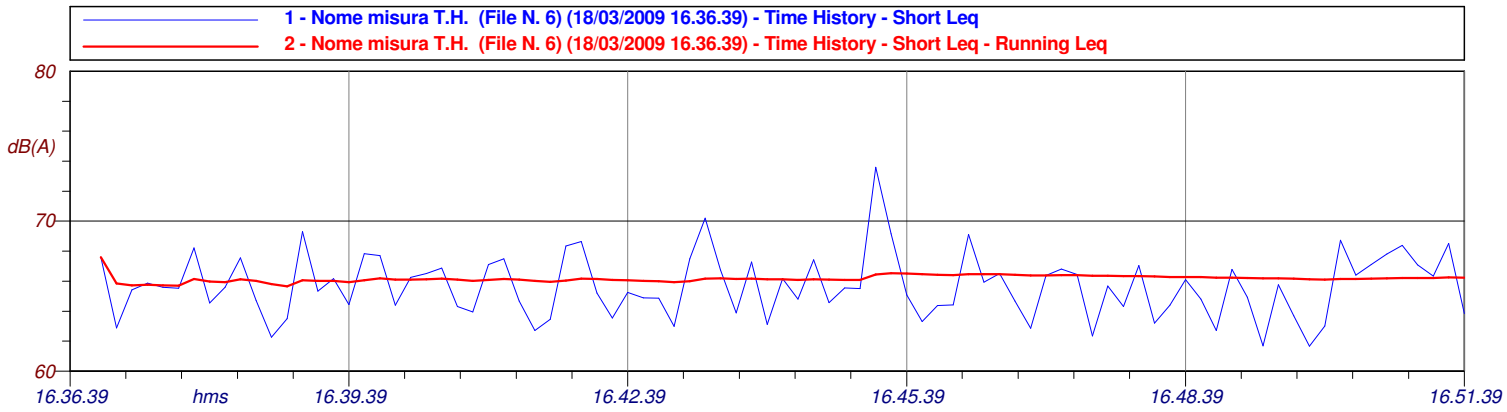
Data, ora misura : 18/03/2009 16.36.39

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 70.6 dB(A) fast
L10: 68.3 dB(A) fast
L50: 65.5 dB(A) fast
L90: 63.0 dB(A) fast
L95: 62.7 dB(A) fast
L99: 61.7 dB(A) fast

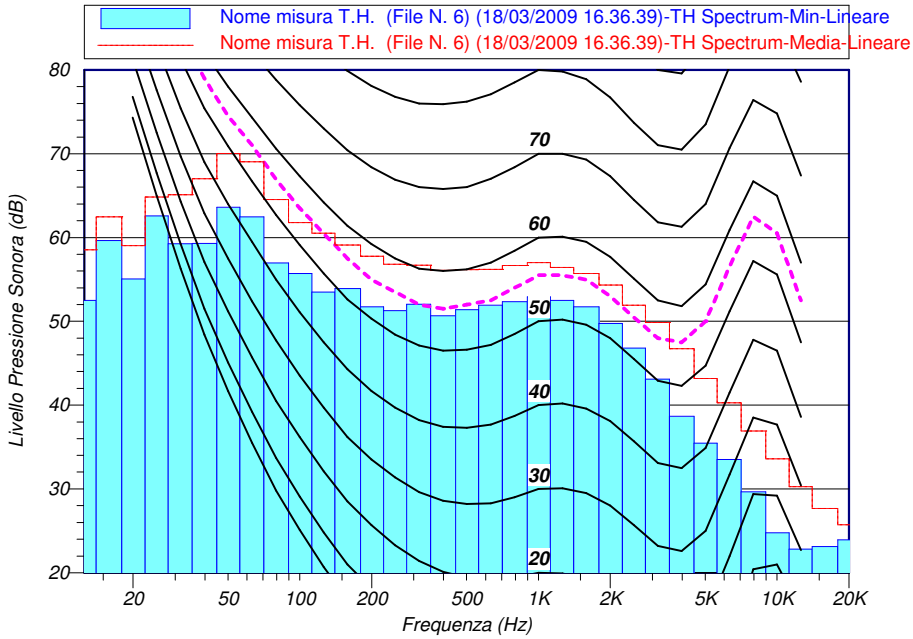
Leq (A) : 66.2 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	58.5 dB	630	56.2 dB
16	62.5 dB	800	56.7 dB
20	59.0 dB	1000	57.0 dB
25	64.9 dB	1250	56.4 dB
31.5	65.1 dB	1600	55.7 dB
40	67.0 dB	2000	54.3 dB
50	70.0 dB	2500	51.9 dB
63	69.0 dB	3150	49.9 dB
80	64.5 dB	4000	46.7 dB
100	61.8 dB	5000	43.2 dB
125	60.5 dB	6300	40.3 dB
160	59.1 dB	8000	36.9 dB
200	57.8 dB	10000	33.6 dB
250	56.8 dB	12500	30.3 dB
315	56.7 dB	16000	27.7 dB
400	56.1 dB	20000	25.7 dB
500	56.2 dB		

	Lmin (A)	***Lmax (A)***	***Lmin (Lin)***	***Lmax (Lin)***
S	***58.1*** *18Mar2009 16:42:50*	***78.6*** *18Mar2009 16:45:12*	***69.7*** *18Mar2009 16:42:50*	***89.2*** *18Mar2009 16:43:29*
F	***57.1*** *18Mar2009 16:42:48*	***81.6*** *18Mar2009 16:45:12*	***67.8*** *18Mar2009 16:42:48*	***91.1*** *18Mar2009 16:43:28*
I	***57.5*** *18Mar2009 16:42:48*	***82.1*** *18Mar2009 16:45:12*	***70.6*** *18Mar2009 16:42:48*	***91.8*** *18Mar2009 16:43:28*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.5 dB	630	51.9 dB
16	59.6 dB	800	52.4 dB
20	55.1 dB	1000	52.9 dB
25	62.6 dB	1250	52.5 dB
31.5	59.3 dB	1600	51.7 dB
40	59.3 dB	2000	49.8 dB
50	63.6 dB	2500	46.8 dB
63	62.5 dB	3150	43.1 dB
80	57.0 dB	4000	38.7 dB
100	55.7 dB	5000	35.5 dB
125	53.5 dB	6300	33.5 dB
160	53.9 dB	8000	29.6 dB
200	51.7 dB	10000	24.8 dB
250	51.3 dB	12500	22.8 dB
315	52.1 dB	16000	23.1 dB
400	50.7 dB	20000	23.9 dB
500	51.4 dB		



STEAM

Punto di Misura :P3D_3

Località: Scandicci (FI)

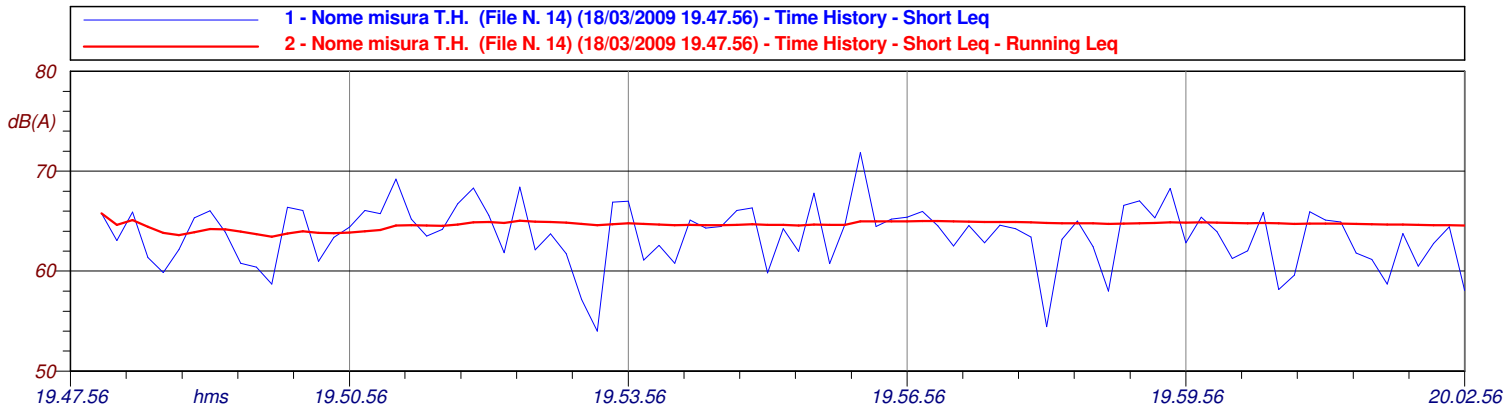
Data, ora misura : 18/03/2009 19.47.56

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 69.5 dB(A) fast
L10: 66.7 dB(A) fast
L50: 64.3 dB(A) fast
L90: 59.8 dB(A) fast
L95: 58.1 dB(A) fast
L99: 54.4 dB(A) fast

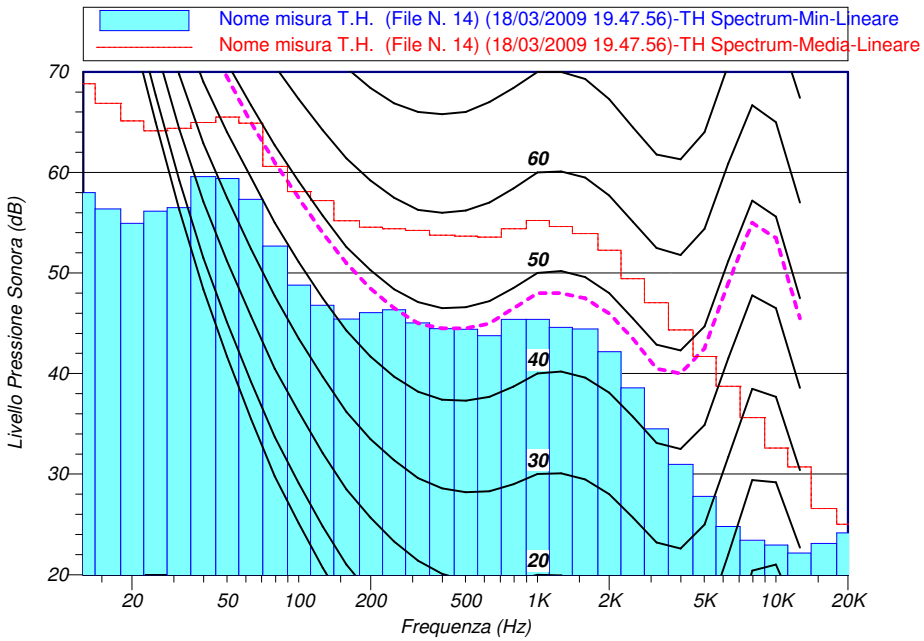
Leq (A) : 64.6 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	68.8 dB	630	53.6 dB
16	66.9 dB	800	54.4 dB
20	65.1 dB	1000	55.2 dB
25	64.1 dB	1250	54.6 dB
31.5	64.4 dB	1600	53.9 dB
40	65.0 dB	2000	52.3 dB
50	65.5 dB	2500	49.4 dB
63	64.9 dB	3150	47.0 dB
80	60.6 dB	4000	44.4 dB
100	58.1 dB	5000	41.7 dB
125	57.2 dB	6300	38.7 dB
160	55.2 dB	8000	35.6 dB
200	54.6 dB	10000	32.6 dB
250	54.4 dB	12500	30.7 dB
315	54.2 dB	16000	26.6 dB
400	53.8 dB	20000	25.0 dB
500	53.7 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***52.3*** *18Mar2009 19:53:33*	***76.2*** *18Mar2009 19:56:24*	***66.5*** *18Mar2009 19:56:04*	***86.7*** *18Mar2009 19:50:11*
F	***51.8*** *18Mar2009 19:53:33*	***78.6*** *18Mar2009 19:56:24*	***64.6*** *18Mar2009 19:56:04*	***89.8*** *18Mar2009 19:56:23*
I	***52.3*** *18Mar2009 19:53:33*	***79.6*** *18Mar2009 19:52:40*	***68.0*** *18Mar2009 19:56:04*	***92.1*** *18Mar2009 19:56:23*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	58.0 dB	630	43.8 dB
16	56.4 dB	800	45.4 dB
20	54.9 dB	1000	45.4 dB
25	56.1 dB	1250	44.6 dB
31.5	56.5 dB	1600	44.4 dB
40	59.6 dB	2000	42.2 dB
50	59.4 dB	2500	38.6 dB
63	57.3 dB	3150	34.5 dB
80	52.7 dB	4000	31.0 dB
100	48.8 dB	5000	27.8 dB
125	46.8 dB	6300	24.8 dB
160	45.4 dB	8000	23.4 dB
200	46.1 dB	10000	23.0 dB
250	46.4 dB	12500	22.2 dB
315	45.1 dB	16000	23.1 dB
400	44.5 dB	20000	24.2 dB
500	44.4 dB		



STEAM

Punto di Misura :P3N_1

Località: Scandicci (FI)

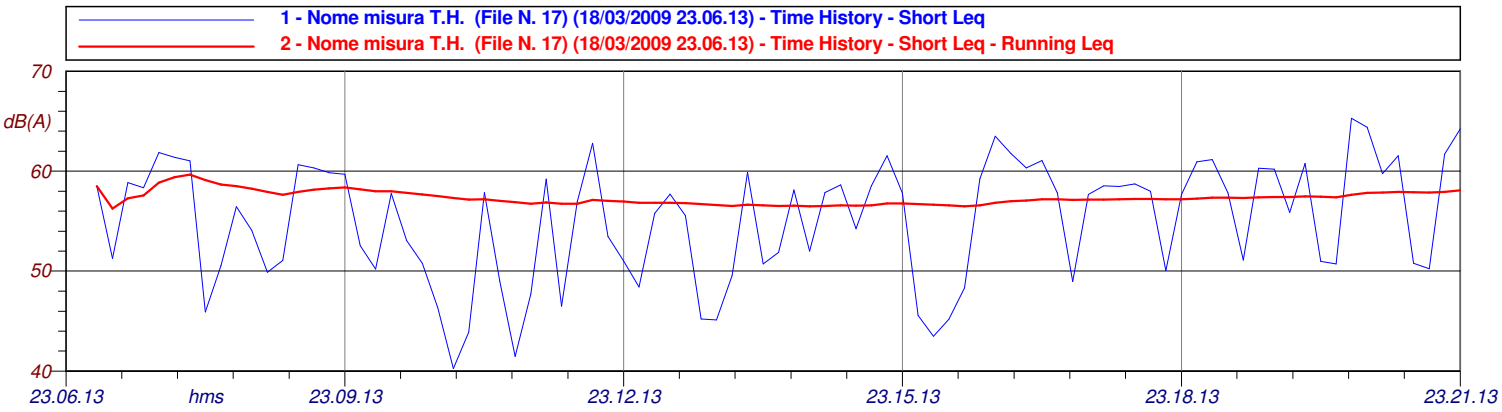
Data, ora misura : 18/03/2009 23.06.13

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 64.5 dB(A) fast
L10: 61.5 dB(A) fast
L50: 57.7 dB(A) fast
L90: 46.3 dB(A) fast
L95: 45.1 dB(A) fast
L99: 41.3 dB(A) fast

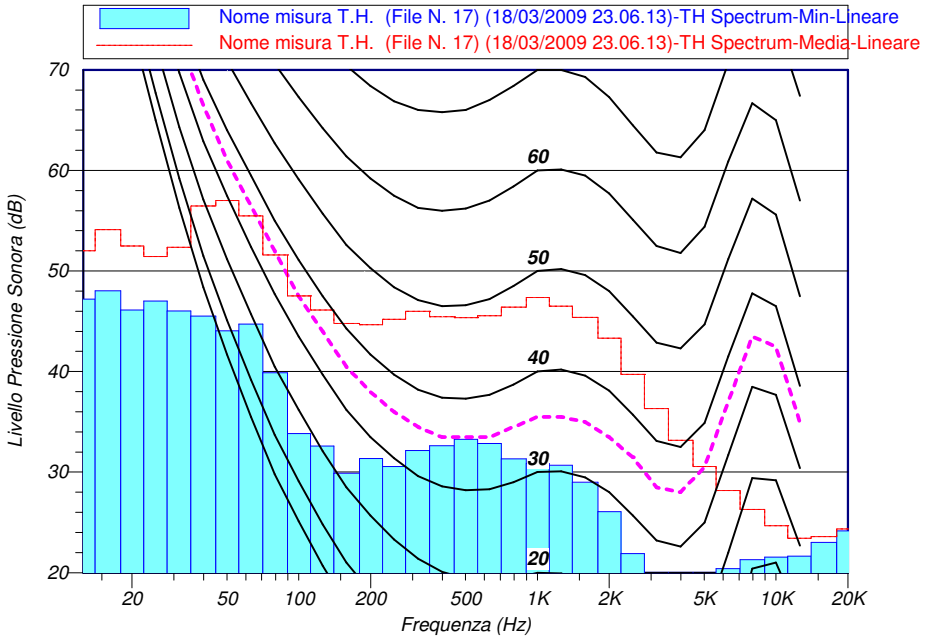
Leq (A) : 58.1 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.0 dB	630	45.6 dB
16	54.1 dB	800	46.4 dB
20	52.5 dB	1000	47.4 dB
25	51.4 dB	1250	46.5 dB
31.5	52.4 dB	1600	45.4 dB
40	56.5 dB	2000	43.3 dB
50	57.0 dB	2500	39.7 dB
63	55.5 dB	3150	36.3 dB
80	51.6 dB	4000	33.2 dB
100	47.5 dB	5000	30.5 dB
125	46.1 dB	6300	28.2 dB
160	44.8 dB	8000	26.3 dB
200	44.7 dB	10000	24.7 dB
250	45.2 dB	12500	23.4 dB
315	46.0 dB	16000	23.6 dB
400	45.5 dB	20000	24.4 dB
500	45.4 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***39.2*** *18Mar2009 23:10:23*	***67.8*** *18Mar2009 23:19:58*	***56.1*** *18Mar2009 23:10:16*	***81.0*** *18Mar2009 23:15:58*
F	***38.9*** *18Mar2009 23:11:00*	***69.4*** *18Mar2009 23:19:58*	***54.1*** *18Mar2009 23:07:34*	***83.0*** *18Mar2009 23:15:57*
I	***39.2*** *18Mar2009 23:10:23*	***69.7*** *18Mar2009 23:19:58*	***57.8*** *18Mar2009 23:07:34*	***83.4*** *18Mar2009 23:15:57*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	47.2 dB	630	32.9 dB
16	48.0 dB	800	31.3 dB
20	46.1 dB	1000	30.8 dB
25	47.0 dB	1250	30.7 dB
31.5	46.0 dB	1600	29.0 dB
40	45.5 dB	2000	26.1 dB
50	44.1 dB	2500	21.9 dB
63	44.7 dB	3150	19.5 dB
80	39.9 dB	4000	19.0 dB
100	33.8 dB	5000	19.9 dB
125	32.6 dB	6300	20.4 dB
160	29.9 dB	8000	21.3 dB
200	31.4 dB	10000	21.6 dB
250	30.5 dB	12500	21.6 dB
315	32.2 dB	16000	23.0 dB
400	32.6 dB	20000	24.2 dB
500	33.3 dB		



STEAM

Punto di Misura :P3N_2

Località: Scandicci (FI)

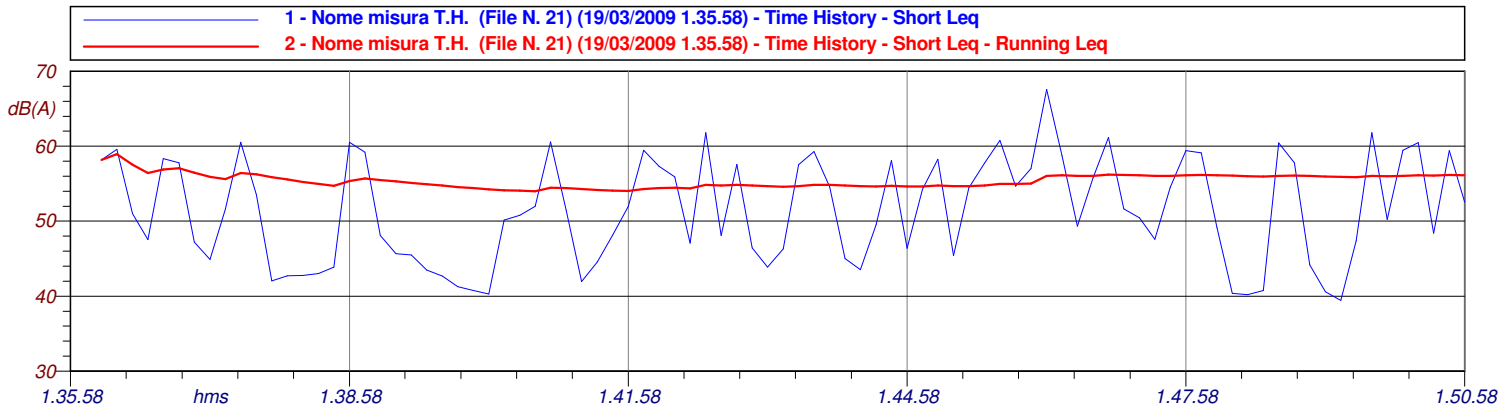
Data, ora misura : 19/03/2009 1.35.58

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 62.5 dB(A) fast
L10: 60.5 dB(A) fast
L50: 51.0 dB(A) fast
L90: 42.0 dB(A) fast
L95: 40.6 dB(A) fast
L99: 40.1 dB(A) fast

Leq (A) : 56.1 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.0 dB	630	42.2 dB
16	54.7 dB	800	42.6 dB
20	53.2 dB	1000	43.5 dB
25	51.3 dB	1250	42.5 dB
31.5	51.3 dB	1600	41.4 dB
40	52.2 dB	2000	39.1 dB
50	54.1 dB	2500	35.4 dB
63	52.4 dB	3150	31.8 dB
80	47.1 dB	4000	28.5 dB
100	44.6 dB	5000	26.2 dB
125	42.7 dB	6300	24.7 dB
160	41.4 dB	8000	23.8 dB
200	41.0 dB	10000	23.1 dB
250	41.3 dB	12500	22.4 dB
315	41.8 dB	16000	23.3 dB
400	41.3 dB	20000	24.3 dB
500	42.0 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***38.8*** *19Mar2009 01:49:35*	***71.7*** *19Mar2009 01:46:22*	***53.5*** *19Mar2009 01:48:44*	***82.5*** *19Mar2009 01:46:22*
F	***38.3*** *19Mar2009 01:48:24*	***73.7*** *19Mar2009 01:46:21*	***51.4*** *19Mar2009 01:48:44*	***85.3*** *19Mar2009 01:46:22*
I	***38.5*** *19Mar2009 01:49:35*	***74.3*** *19Mar2009 01:46:21*	***54.7*** *19Mar2009 01:48:44*	***86.8*** *19Mar2009 01:46:22*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	47.7 dB	630	31.4 dB
16	48.0 dB	800	31.4 dB
20	46.1 dB	1000	30.9 dB
25	45.8 dB	1250	28.9 dB
31.5	44.8 dB	1600	27.8 dB
40	44.0 dB	2000	25.1 dB
50	44.1 dB	2500	20.5 dB
63	42.0 dB	3150	18.9 dB
80	36.6 dB	4000	18.7 dB
100	33.5 dB	5000	19.7 dB
125	31.6 dB	6300	20.5 dB
160	30.6 dB	8000	21.4 dB
200	31.0 dB	10000	21.6 dB
250	31.1 dB	12500	21.7 dB
315	31.1 dB	16000	23.1 dB
400	30.4 dB	20000	24.2 dB
500	31.9 dB		

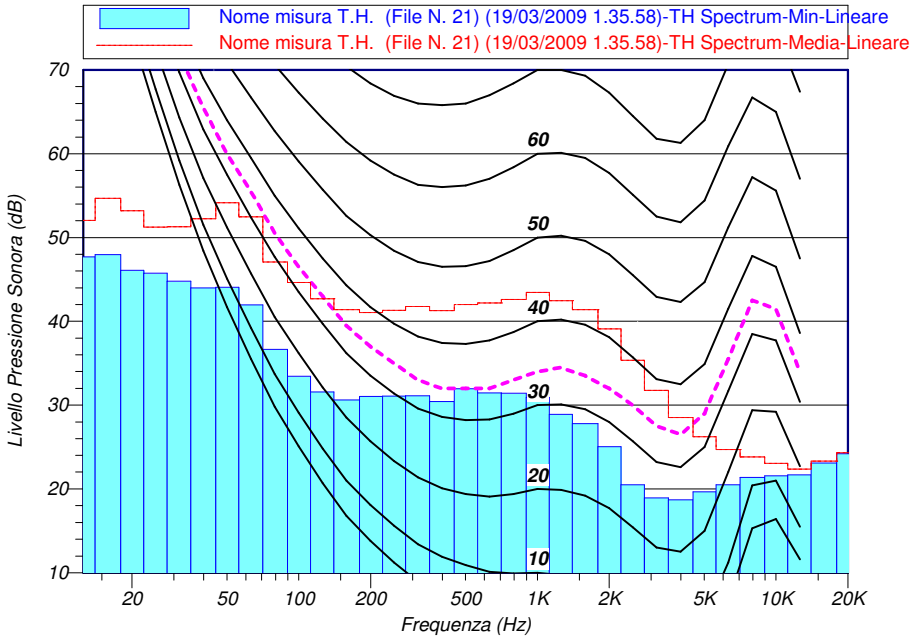


Figura 3 Foto Punto di Misura P3

STEAM

Punto di Misura :P4D_1

Località: Scandicci (FI)

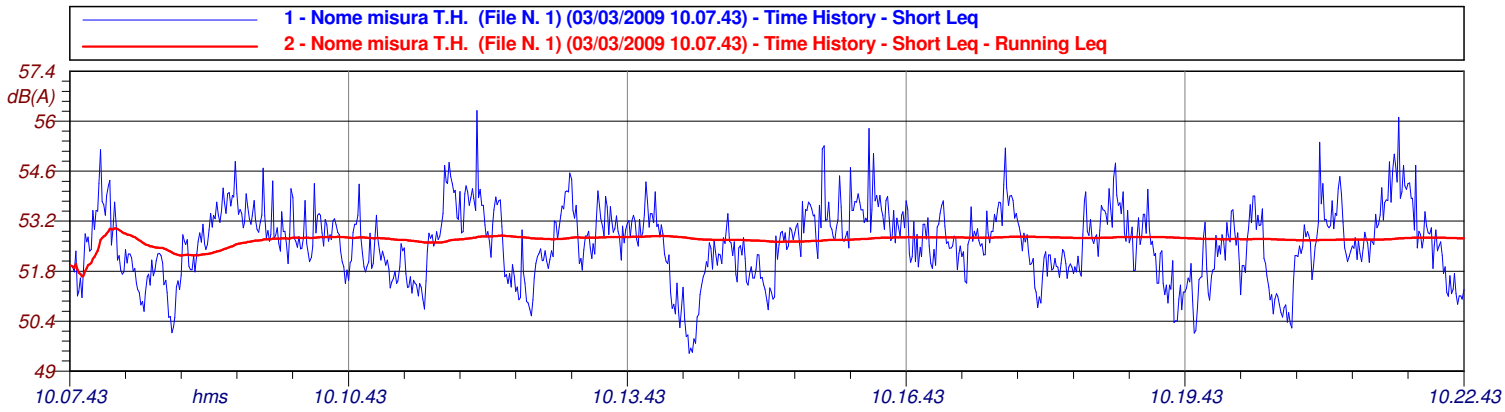
Data, ora misura : 03/03/2009 10.07.43

Durata: 900.300 s

Strumentazione : Larson-Davis 824

L01: 55.1 dB(A) fast
L10: 53.8 dB(A) fast
L50: 52.6 dB(A) fast
L90: 51.2 dB(A) fast
L95: 50.9 dB(A) fast
L99: 50.1 dB(A) fast

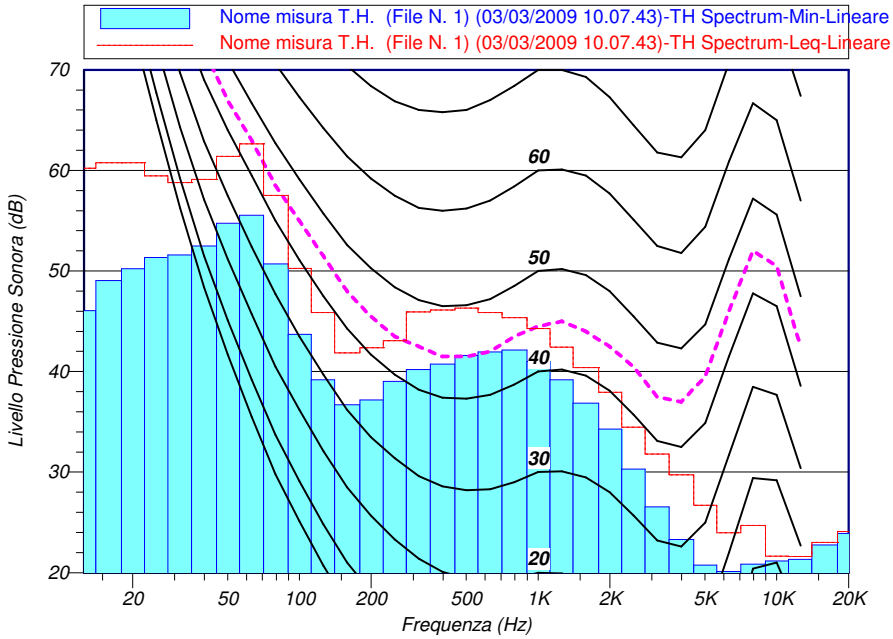
Leq (A) : 52.7 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	60.2 dB	630	45.9 dB
16	60.8 dB	800	45.4 dB
20	60.8 dB	1000	44.3 dB
25	59.5 dB	1250	42.4 dB
31.5	58.8 dB	1600	40.4 dB
40	59.1 dB	2000	37.9 dB
50	61.4 dB	2500	34.5 dB
63	62.7 dB	3150	31.8 dB
80	57.5 dB	4000	29.7 dB
100	50.3 dB	5000	26.7 dB
125	45.9 dB	6300	24.0 dB
160	41.9 dB	8000	24.7 dB
200	42.4 dB	10000	21.6 dB
250	43.1 dB	12500	21.6 dB
315	45.9 dB	16000	23.0 dB
400	46.1 dB	20000	24.1 dB
500	46.3 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***49.5*** *03Mar2009 10:14:25*	***56.3*** *03Mar2009 10:15:49*	***65.1*** *03Mar2009 10:07:43*	***73.9*** *03Mar2009 10:13:24*
F	***49.1*** *03Mar2009 10:14:22*	***60.0*** *03Mar2009 10:15:49*	***63.0*** *03Mar2009 10:19:34*	***77.3*** *03Mar2009 10:14:44*
I	***49.6*** *03Mar2009 10:14:24*	***62.4*** *03Mar2009 10:15:49*	***65.7*** *03Mar2009 10:19:34*	***79.0*** *03Mar2009 10:12:46*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	46.1 dB	630	41.9 dB
16	49.1 dB	800	42.2 dB
20	50.2 dB	1000	41.0 dB
25	51.4 dB	1250	39.2 dB
31.5	51.6 dB	1600	36.9 dB
40	52.5 dB	2000	34.3 dB
50	54.7 dB	2500	30.3 dB
63	55.6 dB	3150	26.6 dB
80	50.7 dB	4000	23.3 dB
100	43.7 dB	5000	20.8 dB
125	39.2 dB	6300	20.1 dB
160	36.7 dB	8000	20.9 dB
200	37.2 dB	10000	21.2 dB
250	39.0 dB	12500	21.3 dB
315	40.2 dB	16000	22.8 dB
400	40.8 dB	20000	23.9 dB
500	41.6 dB		



STEAM

Punto di Misura :P4D_2

Località: Scandicci (FI)

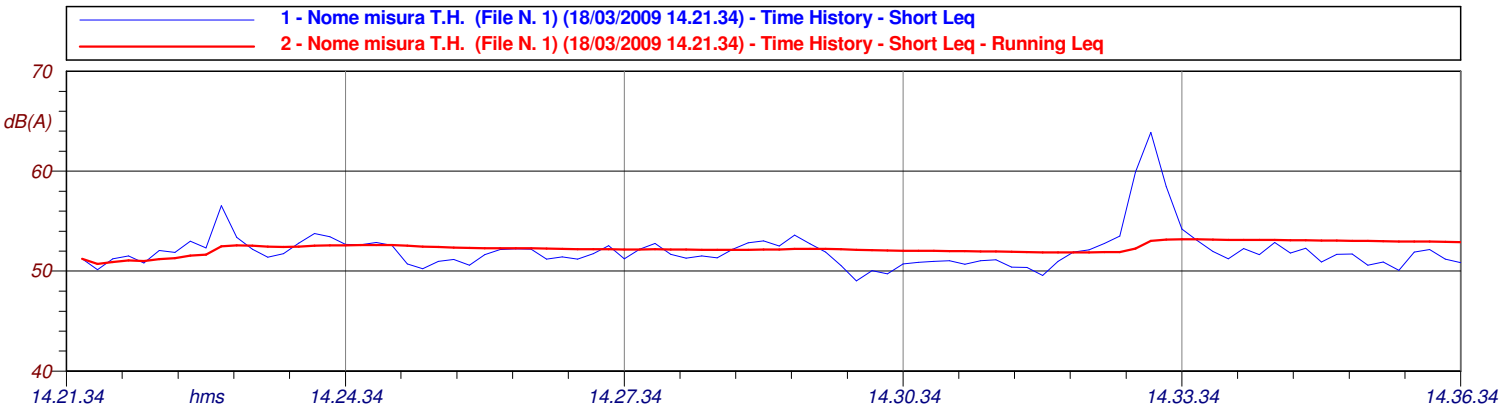
Data, ora misura : 18/03/2009 14.21.34

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 60.3 dB(A) fast
L10: 53.4 dB(A) fast
L50: 51.8 dB(A) fast
L90: 50.5 dB(A) fast
L95: 50.1 dB(A) fast
L99: 49.5 dB(A) fast

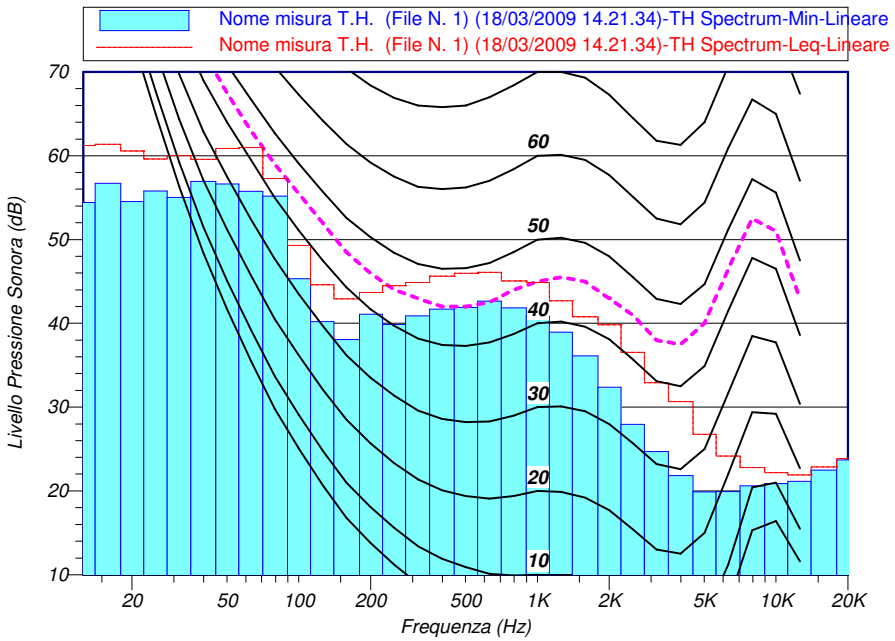
Leq (A) : 52.9 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	61.2 dB	630	46.1 dB
16	61.4 dB	800	45.1 dB
20	60.6 dB	1000	44.8 dB
25	59.6 dB	1250	42.7 dB
31.5	60.0 dB	1600	40.8 dB
40	59.6 dB	2000	39.8 dB
50	60.9 dB	2500	36.5 dB
63	61.0 dB	3150	32.9 dB
80	57.3 dB	4000	30.6 dB
100	49.3 dB	5000	26.8 dB
125	44.6 dB	6300	24.2 dB
160	42.9 dB	8000	22.8 dB
200	43.7 dB	10000	22.2 dB
250	44.5 dB	12500	21.9 dB
315	44.9 dB	16000	22.9 dB
400	45.7 dB	20000	23.9 dB
500	46.0 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***48.7*** *18Mar2009 14:30:15*	***65.9*** *18Mar2009 14:33:09*	***64.6*** *18Mar2009 14:30:23*	***75.3*** *18Mar2009 14:33:07*
F	***47.9*** *18Mar2009 14:29:56*	***69.2*** *18Mar2009 14:33:02*	***62.8*** *18Mar2009 14:30:12*	***77.4*** *18Mar2009 14:29:16*
I	***48.4*** *18Mar2009 14:30:13*	***72.6*** *18Mar2009 14:33:02*	***65.6*** *18Mar2009 14:30:12*	***79.4*** *18Mar2009 14:29:15*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.4 dB	630	42.6 dB
16	56.7 dB	800	41.8 dB
20	54.5 dB	1000	40.8 dB
25	55.8 dB	1250	38.9 dB
31.5	55.0 dB	1600	36.1 dB
40	56.9 dB	2000	32.4 dB
50	56.6 dB	2500	27.9 dB
63	55.8 dB	3150	24.7 dB
80	55.2 dB	4000	21.8 dB
100	45.3 dB	5000	19.9 dB
125	40.2 dB	6300	19.9 dB
160	38.1 dB	8000	20.6 dB
200	41.1 dB	10000	20.9 dB
250	39.9 dB	12500	21.1 dB
315	40.9 dB	16000	22.5 dB
400	41.7 dB	20000	23.7 dB
500	41.9 dB		



STEAM

Punto di Misura :P4D_3

Località: Scandicci (FI)

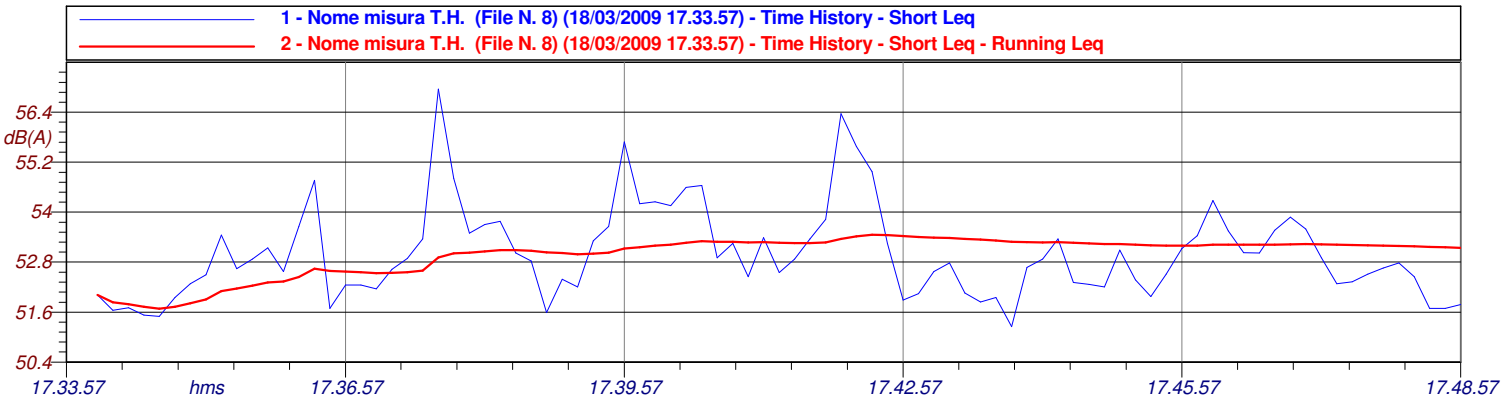
Data, ora misura : 18/03/2009 17.33.57

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 56.5 dB(A) fast
L10: 54.3 dB(A) fast
L50: 52.8 dB(A) fast
L90: 51.8 dB(A) fast
L95: 51.6 dB(A) fast
L99: 51.5 dB(A) fast

Leq (A) : 53.1 dBA



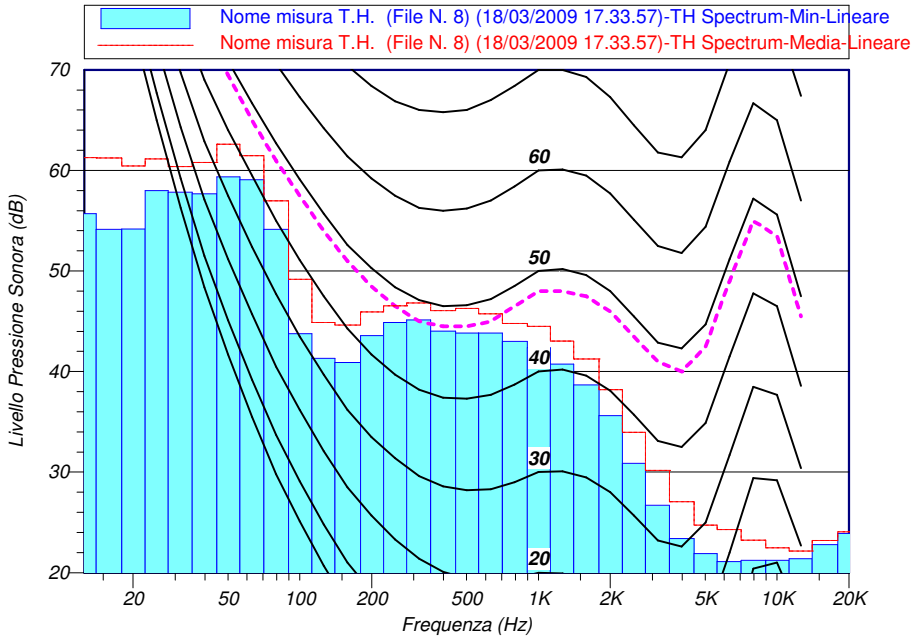
Spettro Livello Equivalente

Frequenza	Livello	Frequenza	Livello
12.5	61.3 dB	630	45.7 dB
16	61.2 dB	800	44.8 dB
20	60.5 dB	1000	44.5 dB
25	61.2 dB	1250	43.0 dB
31.5	60.4 dB	1600	41.3 dB
40	60.8 dB	2000	38.2 dB
50	62.6 dB	2500	34.0 dB
63	61.5 dB	3150	30.2 dB
80	57.0 dB	4000	27.0 dB
100	49.2 dB	5000	24.7 dB
125	44.9 dB	6300	24.3 dB
160	44.6 dB	8000	23.2 dB
200	45.9 dB	10000	22.5 dB
250	46.5 dB	12500	22.2 dB
315	46.8 dB	16000	23.2 dB
400	46.1 dB	20000	24.1 dB
500	46.3 dB		

	Lmin (A)	Lmax (A)	Lmin (Lin)	Lmax (Lin)
S	**50.6** 18Mar2009 17:34:26	**60.6** 18Mar2009 17:37:52	**66.8** 18Mar2009 17:37:28	**77.2** 18Mar2009 17:39:40
F	**50.0** 18Mar2009 17:34:25	**68.1** 18Mar2009 17:37:52	**64.8** 18Mar2009 17:36:56	**80.5** 18Mar2009 17:47:43
I	**50.3** 18Mar2009 17:34:25	**73.0** 18Mar2009 17:37:52	**68.0** 18Mar2009 17:36:56	**82.7** 18Mar2009 17:39:59

Spettro Livello Minimo

Frequenza	Livello	Frequenza	Livello
12.5	55.7 dB	630	43.8 dB
16	54.2 dB	800	43.0 dB
20	54.2 dB	1000	42.4 dB
25	58.0 dB	1250	40.7 dB
31.5	57.8 dB	1600	38.7 dB
40	57.7 dB	2000	35.6 dB
50	59.4 dB	2500	30.9 dB
63	59.1 dB	3150	26.7 dB
80	54.1 dB	4000	23.4 dB
100	43.8 dB	5000	21.9 dB
125	41.3 dB	6300	21.1 dB
160	40.9 dB	8000	21.2 dB
200	43.6 dB	10000	21.2 dB
250	44.9 dB	12500	21.4 dB
315	45.2 dB	16000	22.8 dB
400	44.0 dB	20000	23.9 dB
500	43.8 dB		



STEAM

Punto di Misura :P4N_1

Località: Scandicci (FI)

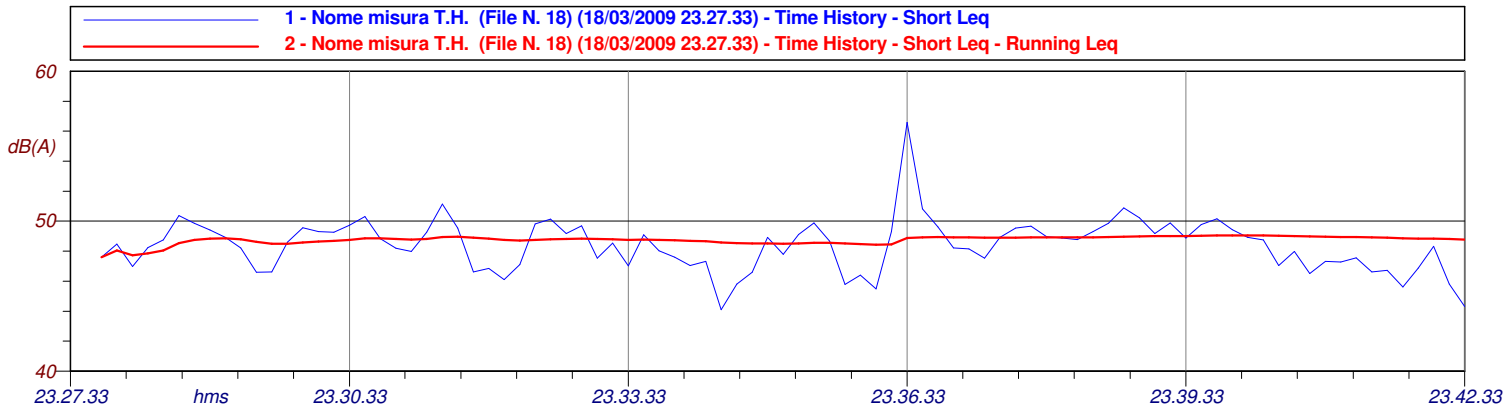
Data, ora misura : 18/03/2009 23.27.33

Durata: 901.100 s

Strumentazione : Larson-Davis 824

L01: 51.8 dB(A) fast
L10: 49.9 dB(A) fast
L50: 48.7 dB(A) fast
L90: 46.5 dB(A) fast
L95: 45.8 dB(A) fast
L99: 44.3 dB(A) fast

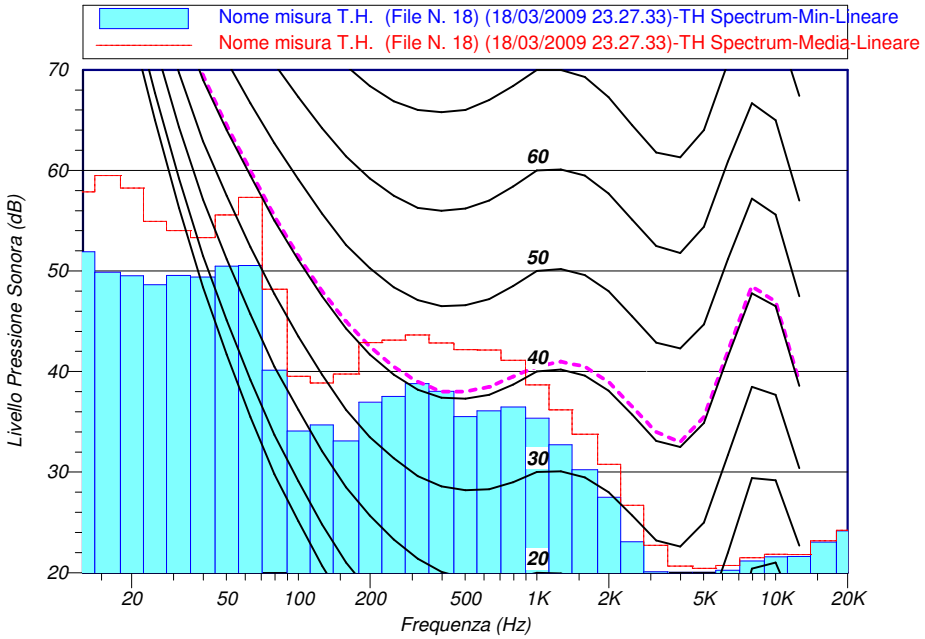
Leq (A) : 48.8 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	57.9 dB	630	42.1 dB
16	59.5 dB	800	41.1 dB
20	58.3 dB	1000	38.7 dB
25	54.9 dB	1250	36.2 dB
31.5	54.0 dB	1600	33.8 dB
40	53.3 dB	2000	30.8 dB
50	55.6 dB	2500	26.7 dB
63	57.3 dB	3150	22.7 dB
80	48.2 dB	4000	20.7 dB
100	39.5 dB	5000	20.4 dB
125	38.9 dB	6300	20.7 dB
160	39.8 dB	8000	21.5 dB
200	42.9 dB	10000	21.8 dB
250	43.1 dB	12500	21.8 dB
315	43.6 dB	16000	23.2 dB
400	42.8 dB	20000	24.2 dB
500	42.2 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***42.8*** *18Mar2009 23:34:32*	***61.3*** *18Mar2009 23:36:29*	***58.4*** *18Mar2009 23:34:35*	***76.0*** *18Mar2009 23:30:30*
F	***42.5*** *18Mar2009 23:34:29*	***64.3*** *18Mar2009 23:31:32*	***55.9*** *18Mar2009 23:42:31*	***81.7*** *18Mar2009 23:30:30*
I	***42.9*** *18Mar2009 23:34:29*	***67.6*** *18Mar2009 23:31:32*	***59.5*** *18Mar2009 23:42:31*	***84.4*** *18Mar2009 23:30:30*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	51.9 dB	630	36.1 dB
16	49.9 dB	800	36.5 dB
20	49.5 dB	1000	35.4 dB
25	48.6 dB	1250	32.7 dB
31.5	49.6 dB	1600	30.2 dB
40	49.4 dB	2000	27.5 dB
50	50.5 dB	2500	23.1 dB
63	50.6 dB	3150	20.1 dB
80	40.1 dB	4000	19.2 dB
100	34.1 dB	5000	19.8 dB
125	34.7 dB	6300	20.3 dB
160	33.1 dB	8000	21.2 dB
200	36.9 dB	10000	21.6 dB
250	37.5 dB	12500	21.6 dB
315	38.8 dB	16000	23.1 dB
400	38.1 dB	20000	24.2 dB
500	35.5 dB		



STEAM

Punto di Misura :P4N_2

Località: Scandicci (FI)

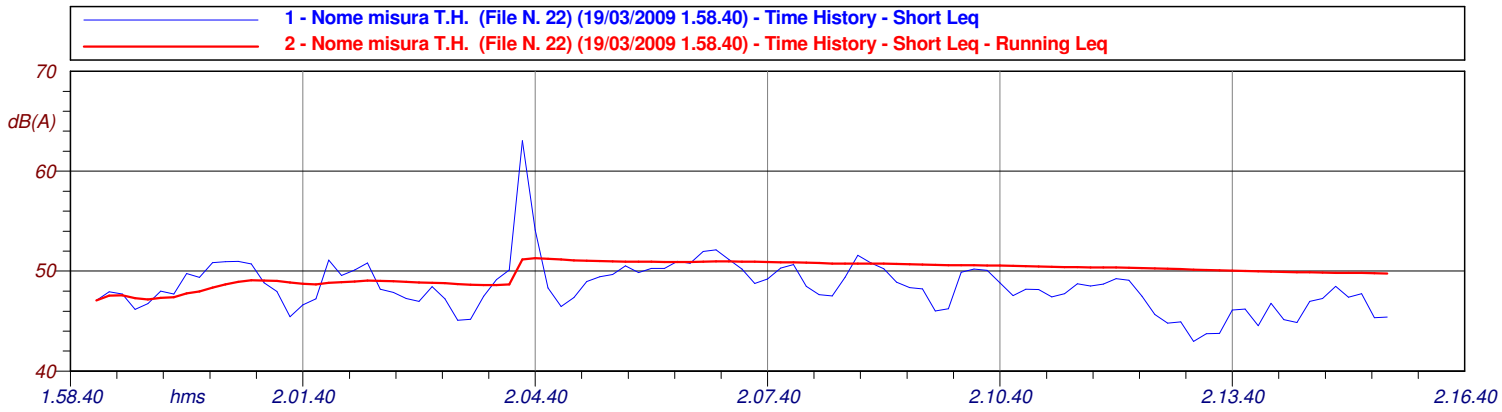
Data, ora misura : 19/03/2009 1.58.40

Durata: 1023.600 s

Strumentazione : Larson-Davis 824

L01: 54.1 dB(A) fast
L10: 50.8 dB(A) fast
L50: 48.3 dB(A) fast
L90: 45.3 dB(A) fast
L95: 44.9 dB(A) fast
L99: 43.7 dB(A) fast

Leq (A) : 49.8 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	57.1 dB	630	41.8 dB
16	58.0 dB	800	40.4 dB
20	57.5 dB	1000	38.4 dB
25	55.8 dB	1250	36.0 dB
31.5	54.9 dB	1600	33.5 dB
40	54.3 dB	2000	30.4 dB
50	55.0 dB	2500	26.2 dB
63	56.2 dB	3150	23.0 dB
80	49.7 dB	4000	21.1 dB
100	43.1 dB	5000	20.8 dB
125	41.0 dB	6300	21.1 dB
160	41.0 dB	8000	21.7 dB
200	43.5 dB	10000	21.9 dB
250	43.2 dB	12500	21.8 dB
315	44.2 dB	16000	23.2 dB
400	43.3 dB	20000	24.3 dB
500	42.7 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***42.2*** *19Mar2009 02:13:04*	***67.4*** *19Mar2009 02:04:28*	***56.4*** *19Mar2009 02:13:22*	***86.1*** *19Mar2009 02:04:28*
F	***41.7*** *19Mar2009 02:13:04*	***69.2*** *19Mar2009 02:04:27*	***54.5*** *19Mar2009 02:13:24*	***88.1*** *19Mar2009 02:04:27*
I	***42.1*** *19Mar2009 02:13:04*	***70.1*** *19Mar2009 02:04:27*	***57.4*** *19Mar2009 02:13:24*	***89.5*** *19Mar2009 02:04:27*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	47.3 dB	630	35.6 dB
16	45.3 dB	800	34.2 dB
20	44.2 dB	1000	32.9 dB
25	46.4 dB	1250	29.1 dB
31.5	47.5 dB	1600	27.6 dB
40	46.9 dB	2000	24.8 dB
50	46.1 dB	2500	19.8 dB
63	49.4 dB	3150	18.8 dB
80	40.6 dB	4000	18.8 dB
100	34.8 dB	5000	19.6 dB
125	33.4 dB	6300	20.2 dB
160	35.1 dB	8000	21.1 dB
200	38.1 dB	10000	21.5 dB
250	38.9 dB	12500	21.6 dB
315	39.7 dB	16000	23.1 dB
400	38.1 dB	20000	24.2 dB
500	37.2 dB		

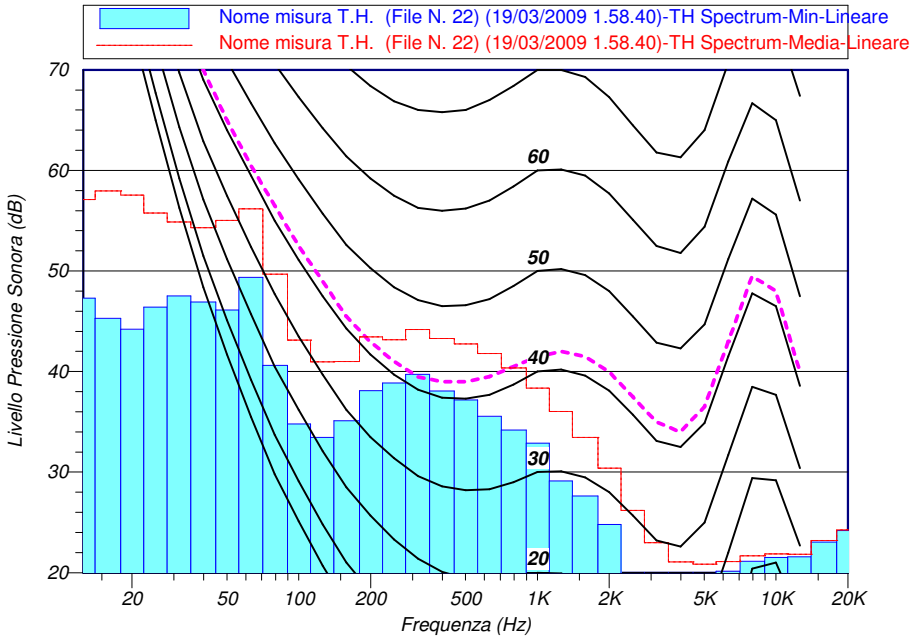


Figura 4 Foto Punto di Misura P4

STEAM

Punto di Misura :P5D_1

Località: Scandicci (FI)

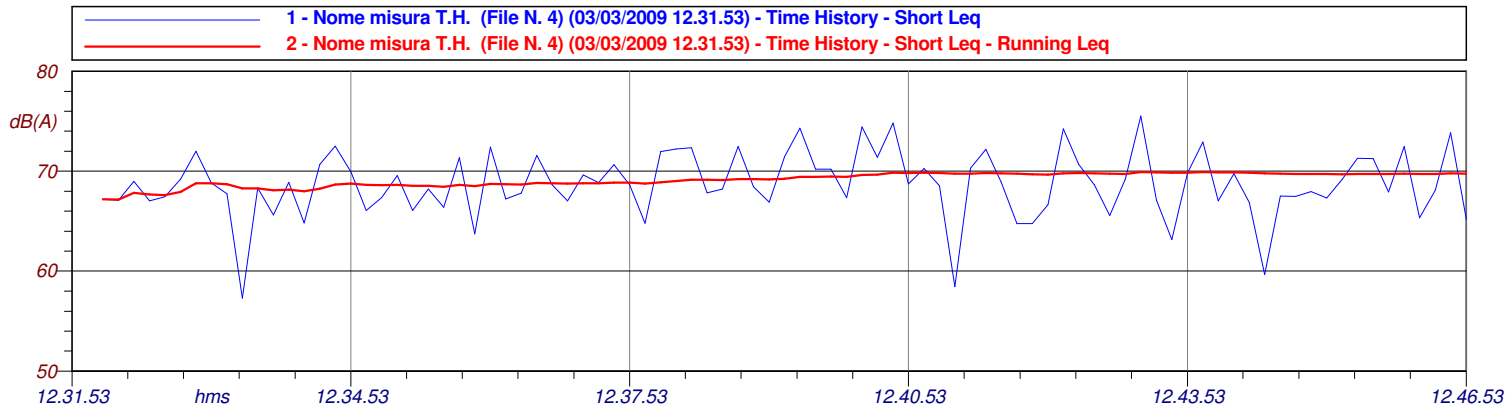
Data, ora misura : 03/03/2009 12.31.53

Durata: 900.300 s

Strumentazione : Larson-Davis 824

L01: 74.9 dB(A) fast
L10: 72.5 dB(A) fast
L50: 68.6 dB(A) fast
L90: 65.1 dB(A) fast
L95: 64.1 dB(A) fast
L99: 58.3 dB(A) fast

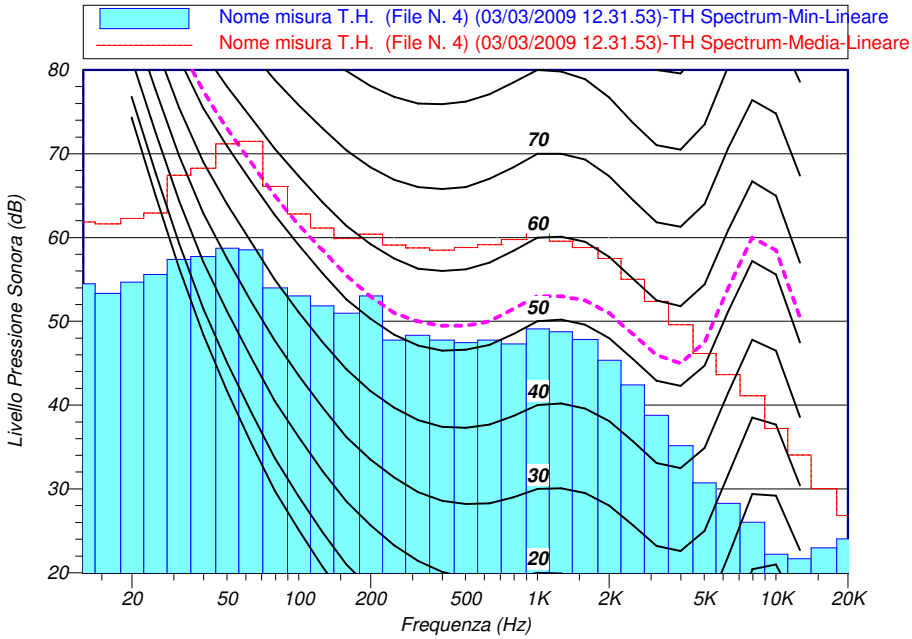
Leq (A) : 69.8 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	61.8 dB	630	59.1 dB
16	61.6 dB	800	59.7 dB
20	62.3 dB	1000	60.4 dB
25	62.9 dB	1250	59.6 dB
31.5	67.4 dB	1600	58.8 dB
40	68.3 dB	2000	57.5 dB
50	71.2 dB	2500	55.0 dB
63	71.5 dB	3150	52.4 dB
80	66.1 dB	4000	49.6 dB
100	62.8 dB	5000	46.1 dB
125	61.1 dB	6300	43.6 dB
160	59.8 dB	8000	41.1 dB
200	60.4 dB	10000	37.2 dB
250	59.1 dB	12500	34.1 dB
315	58.8 dB	16000	30.0 dB
400	58.5 dB	20000	26.8 dB
500	58.8 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	54.5 dB	630	47.8 dB
16	53.4 dB	800	47.3 dB
20	54.7 dB	1000	49.1 dB
25	55.6 dB	1250	48.8 dB
31.5	57.4 dB	1600	47.9 dB
40	57.7 dB	2000	45.3 dB
50	58.7 dB	2500	42.4 dB
63	58.5 dB	3150	38.8 dB
80	54.0 dB	4000	35.2 dB
100	53.0 dB	5000	30.7 dB
125	51.8 dB	6300	28.3 dB
160	51.0 dB	8000	26.0 dB
200	53.0 dB	10000	22.2 dB
250	47.8 dB	12500	21.7 dB
315	48.3 dB	16000	23.0 dB
400	47.7 dB	20000	24.1 dB
500	47.5 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***54.9*** *03Mar2009 12:33:40*	***80.2*** *03Mar2009 12:43:21*	***66.5*** *03Mar2009 12:33:42*	***92.0*** *03Mar2009 12:34:42*
F	***54.3*** *03Mar2009 12:33:39*	***82.9*** *03Mar2009 12:43:21*	***64.9*** *03Mar2009 12:33:40*	***93.9*** *03Mar2009 12:34:41*
I	***54.6*** *03Mar2009 12:33:39*	***85.5*** *03Mar2009 12:38:16*	***67.7*** *03Mar2009 12:33:40*	***95.0*** *03Mar2009 12:34:43*



STEAM

Punto di Misura :P5D_2

Località: Scandicci (FI)

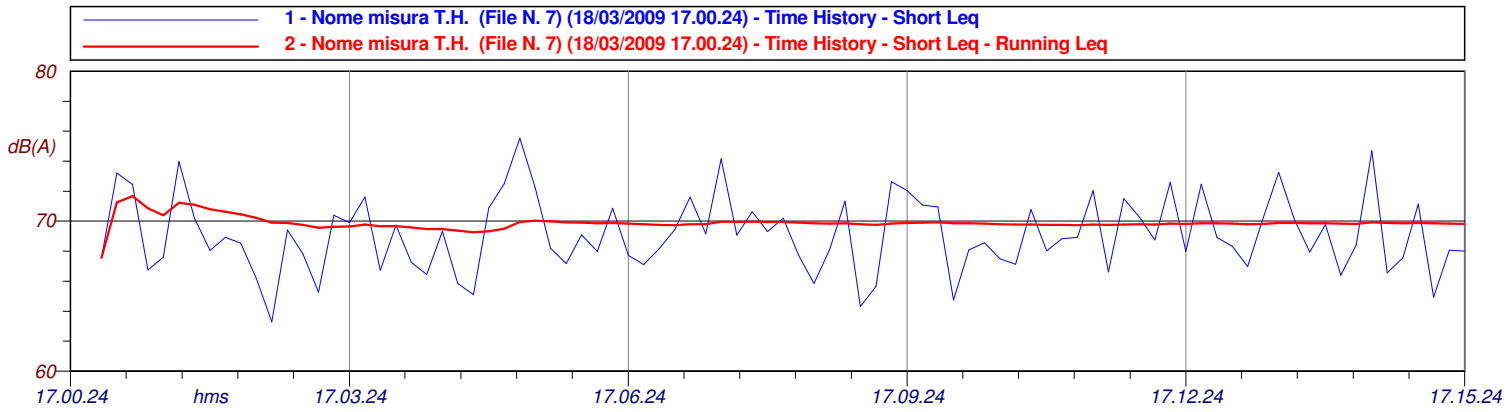
Data, ora misura : 18/03/2009 17.00.24

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 74.8 dB(A) fast
L10: 72.5 dB(A) fast
L50: 68.8 dB(A) fast
L90: 66.1 dB(A) fast
L95: 65.2 dB(A) fast
L99: 64.2 dB(A) fast

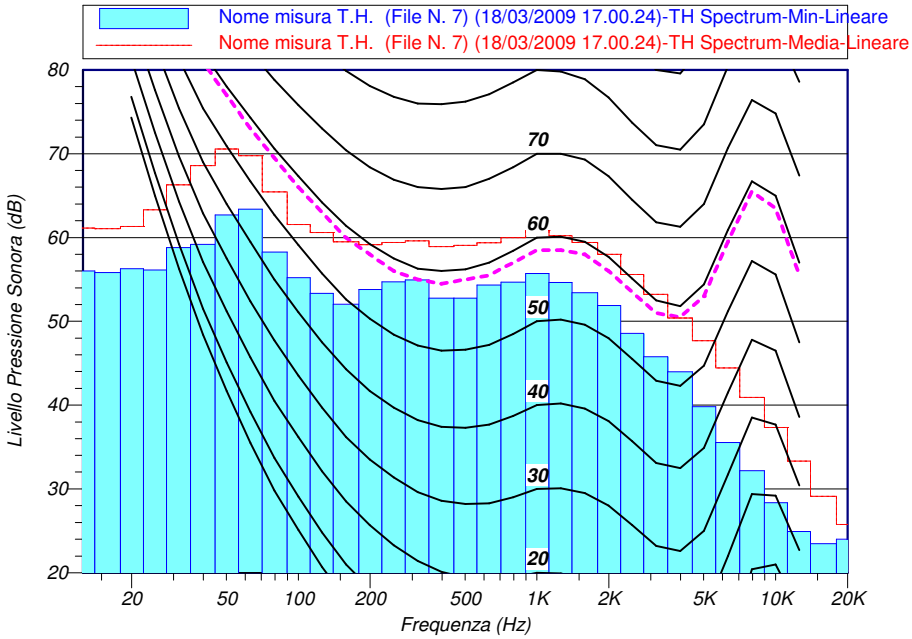
Leq (A) : 69.8 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	61.1 dB	630	59.4 dB
16	61.1 dB	800	60.0 dB
20	61.3 dB	1000	60.8 dB
25	63.3 dB	1250	60.2 dB
31.5	66.3 dB	1600	59.4 dB
40	68.6 dB	2000	58.0 dB
50	70.6 dB	2500	55.6 dB
63	69.8 dB	3150	53.2 dB
80	65.4 dB	4000	50.4 dB
100	61.6 dB	5000	47.7 dB
125	60.6 dB	6300	44.4 dB
160	59.5 dB	8000	40.9 dB
200	59.1 dB	10000	37.3 dB
250	59.4 dB	12500	33.3 dB
315	59.6 dB	16000	29.1 dB
400	58.9 dB	20000	25.8 dB
500	59.1 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***58.4*** *18Mar2009 17:02:34*	***78.2*** *18Mar2009 17:05:08*	***70.8*** *18Mar2009 17:05:59*	***87.5*** *18Mar2009 17:01:31*
F	***57.8*** *18Mar2009 17:02:33*	***81.1*** *18Mar2009 17:03:31*	***68.9*** *18Mar2009 17:05:59*	***89.4*** *18Mar2009 17:01:31*
I	***58.2*** *18Mar2009 17:02:33*	***84.0*** *18Mar2009 17:03:31*	***72.2*** *18Mar2009 17:05:59*	***91.2*** *18Mar2009 17:01:30*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	56.0 dB	630	54.3 dB
16	55.8 dB	800	54.7 dB
20	56.3 dB	1000	55.7 dB
25	56.1 dB	1250	54.7 dB
31.5	58.8 dB	1600	53.4 dB
40	59.2 dB	2000	51.9 dB
50	62.7 dB	2500	48.6 dB
63	63.4 dB	3150	45.8 dB
80	58.3 dB	4000	44.0 dB
100	55.2 dB	5000	39.8 dB
125	53.4 dB	6300	35.5 dB
160	52.0 dB	8000	32.2 dB
200	53.8 dB	10000	28.4 dB
250	54.7 dB	12500	24.9 dB
315	54.9 dB	16000	23.4 dB
400	52.8 dB	20000	24.0 dB
500	52.8 dB		



STEAM

Punto di Misura :P5D_3

Località: Scandicci (FI)

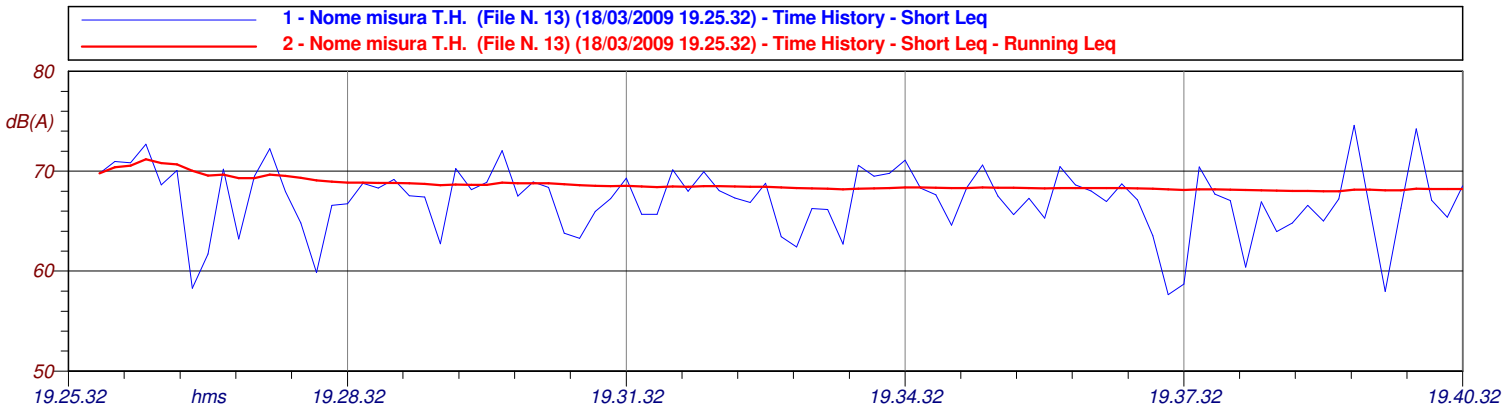
Data, ora misura : 18/03/2009 19.25.32

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 74.2 dB(A) fast
L10: 70.6 dB(A) fast
L50: 67.5 dB(A) fast
L90: 62.7 dB(A) fast
L95: 60.1 dB(A) fast
L99: 57.9 dB(A) fast

Leq (A) : 68.2 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	61.4 dB	630	57.3 dB
16	60.9 dB	800	58.1 dB
20	60.2 dB	1000	59.1 dB
25	60.1 dB	1250	58.3 dB
31.5	60.6 dB	1600	57.5 dB
40	63.4 dB	2000	56.2 dB
50	66.9 dB	2500	53.6 dB
63	66.9 dB	3150	50.7 dB
80	63.1 dB	4000	47.4 dB
100	59.0 dB	5000	44.1 dB
125	58.4 dB	6300	40.6 dB
160	57.0 dB	8000	37.1 dB
200	56.4 dB	10000	33.2 dB
250	56.9 dB	12500	29.9 dB
315	56.6 dB	16000	26.9 dB
400	56.4 dB	20000	25.6 dB
500	56.7 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.4 dB	630	49.8 dB
16	51.2 dB	800	48.2 dB
20	52.9 dB	1000	49.4 dB
25	52.4 dB	1250	48.0 dB
31.5	54.5 dB	1600	46.8 dB
40	54.5 dB	2000	44.5 dB
50	55.6 dB	2500	41.6 dB
63	55.8 dB	3150	39.5 dB
80	51.4 dB	4000	35.4 dB
100	48.0 dB	5000	32.1 dB
125	47.6 dB	6300	27.7 dB
160	45.4 dB	8000	24.4 dB
200	45.9 dB	10000	22.6 dB
250	45.4 dB	12500	21.9 dB
315	47.0 dB	16000	23.1 dB
400	46.5 dB	20000	24.1 dB
500	47.0 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***52.1*** *18Mar2009 19:37:25*	***80.0*** *18Mar2009 19:39:54*	***65.3*** *18Mar2009 19:37:17*	***89.4*** *18Mar2009 19:34:09*
F	***51.3*** *18Mar2009 19:37:19*	***82.1*** *18Mar2009 19:39:54*	***63.8*** *18Mar2009 19:37:05*	***92.5*** *18Mar2009 19:34:09*
I	***52.1*** *18Mar2009 19:37:25*	***82.4*** *18Mar2009 19:39:53*	***65.2*** *18Mar2009 19:37:05*	***93.4*** *18Mar2009 19:34:23*

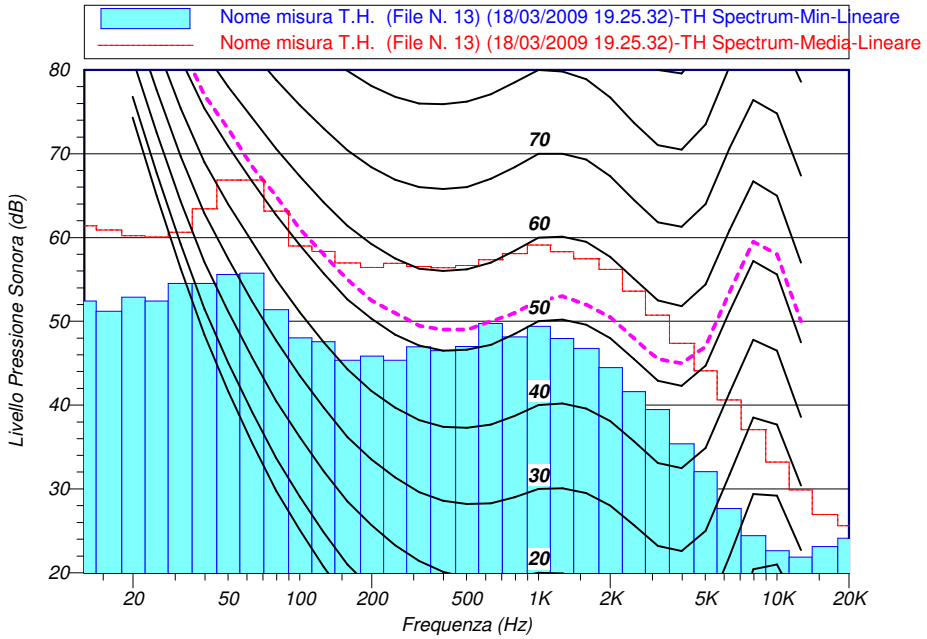


Figura 5 Foto Punto di Misura P5

STEAM

Punto di Misura :P6D_1

Località: Scandicci (FI)

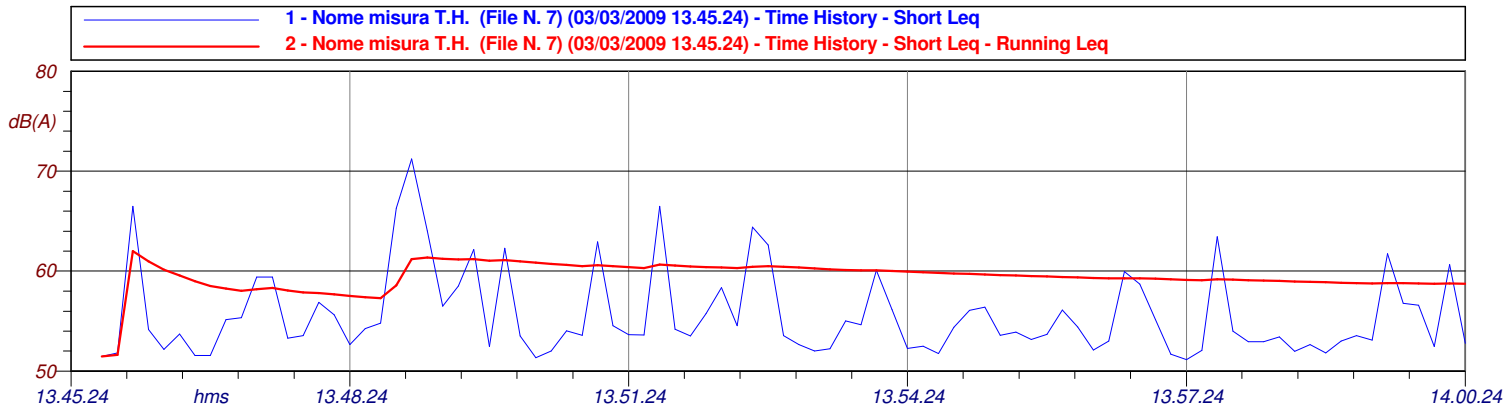
Data, ora misura : 03/03/2009 13.45.24

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 67.1 dB(A) fast
L10: 62.3 dB(A) fast
L50: 54.0 dB(A) fast
L90: 52.0 dB(A) fast
L95: 51.6 dB(A) fast
L99: 51.3 dB(A) fast

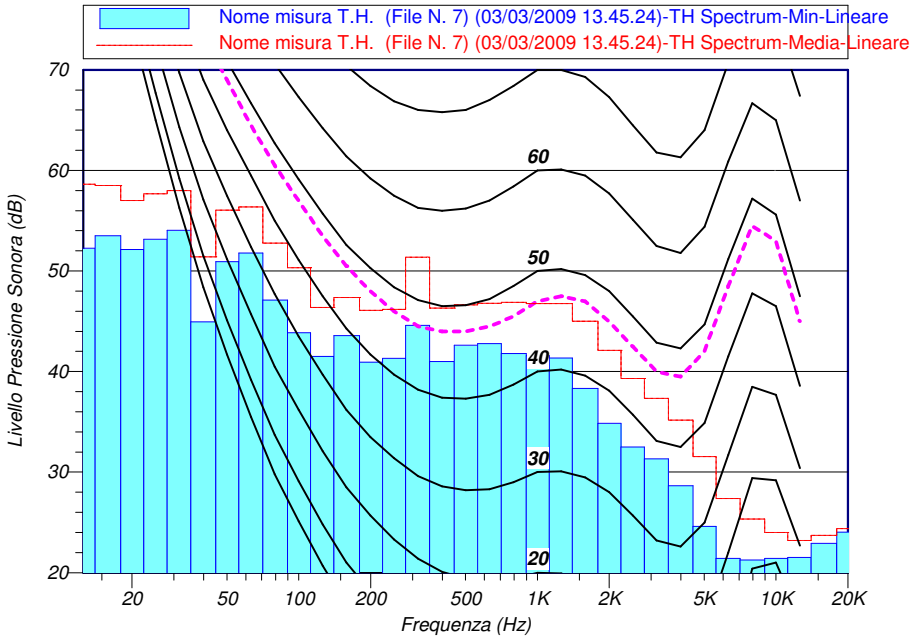
Leq (A) : 58.7 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	58.6 dB	630	46.8 dB
16	58.5 dB	800	46.9 dB
20	57.0 dB	1000	46.8 dB
25	57.7 dB	1250	46.8 dB
31.5	58.0 dB	1600	45.0 dB
40	51.4 dB	2000	42.1 dB
50	56.1 dB	2500	39.3 dB
63	56.4 dB	3150	37.3 dB
80	52.8 dB	4000	35.2 dB
100	50.3 dB	5000	31.5 dB
125	46.4 dB	6300	27.4 dB
160	47.4 dB	8000	25.3 dB
200	46.1 dB	10000	24.0 dB
250	46.2 dB	12500	23.2 dB
315	51.4 dB	16000	23.7 dB
400	46.3 dB	20000	24.4 dB
500	46.6 dB		

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	52.3 dB	630	42.8 dB
16	53.5 dB	800	41.8 dB
20	52.2 dB	1000	41.6 dB
25	53.2 dB	1250	41.3 dB
31.5	54.0 dB	1600	38.3 dB
40	44.9 dB	2000	34.9 dB
50	50.9 dB	2500	32.5 dB
63	51.8 dB	3150	31.3 dB
80	47.1 dB	4000	28.6 dB
100	43.9 dB	5000	24.6 dB
125	41.5 dB	6300	21.4 dB
160	43.6 dB	8000	21.3 dB
200	40.9 dB	10000	21.4 dB
250	41.3 dB	12500	21.5 dB
315	44.6 dB	16000	22.9 dB
400	41.0 dB	20000	24.0 dB
500	42.6 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***50.0*** *03Mar2009 13:45:44*	***77.4*** *03Mar2009 13:49:03*	***61.8*** *03Mar2009 13:54:37*	***83.3*** *03Mar2009 14:00:11*
F	***49.2*** *03Mar2009 13:45:43*	***79.7*** *03Mar2009 13:49:03*	***59.8*** *03Mar2009 13:58:53*	***86.2*** *03Mar2009 14:00:10*
I	***49.9*** *03Mar2009 13:57:10*	***81.3*** *03Mar2009 13:49:03*	***62.6*** *03Mar2009 13:58:53*	***87.2*** *03Mar2009 13:55:46*



STEAM

Punto di Misura :P6D_2

Località: Scandicci (FI)

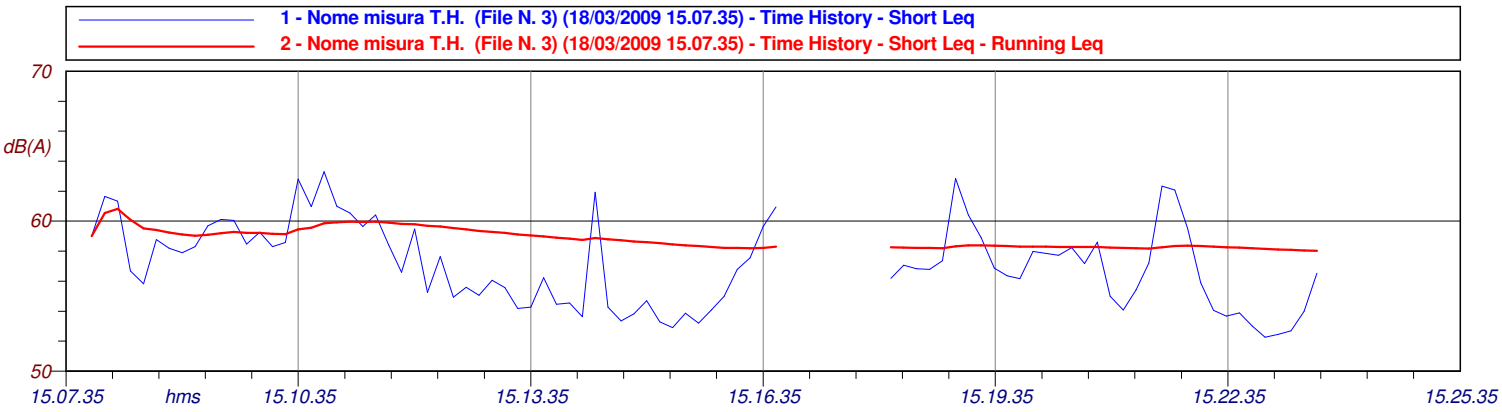
Data, ora misura : 18/03/2009 15.07.35

Durata: 554.000 s

Strumentazione : Larson-Davis 824

L01: 62.9 dB(A) fast
L10: 61.0 dB(A) fast
L50: 56.8 dB(A) fast
L90: 53.7 dB(A) fast
L95: 53.1 dB(A) fast
L99: 52.5 dB(A) fast

Leq (A) : 58.0 dBA



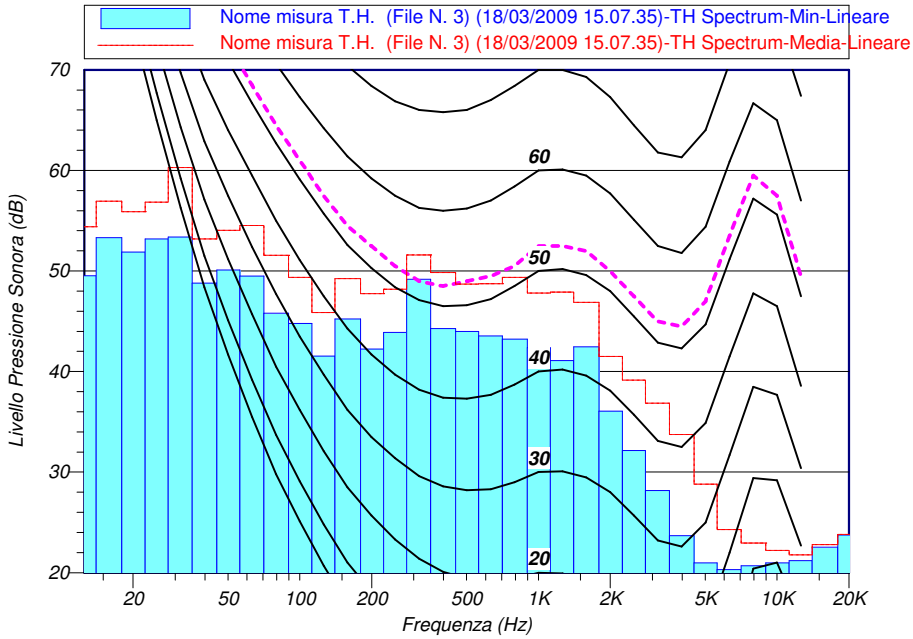
Spettro Livello Equivalente

Frequenza	Livello	Frequenza	Livello
12.5	54.4 dB	630	48.8 dB
16	56.9 dB	800	49.4 dB
20	55.9 dB	1000	47.8 dB
25	56.9 dB	1250	47.9 dB
31.5	60.3 dB	1600	46.9 dB
40	53.2 dB	2000	41.5 dB
50	54.1 dB	2500	39.2 dB
63	54.5 dB	3150	36.9 dB
80	51.6 dB	4000	33.7 dB
100	49.4 dB	5000	28.8 dB
125	45.9 dB	6300	24.3 dB
160	49.3 dB	8000	23.0 dB
200	47.7 dB	10000	22.2 dB
250	48.2 dB	12500	21.8 dB
315	51.6 dB	16000	22.8 dB
400	49.9 dB	20000	23.8 dB
500	48.7 dB		

	Lmin (A)	Lmax (A)	Lmin (Lin)	Lmax (Lin)
S	***51.5*** *18Mar2009 15:22:59*	***66.3*** *18Mar2009 15:14:20*	***61.1*** *18Mar2009 15:14:36*	***80.8*** *18Mar2009 15:16:37*
F	***51.1*** *18Mar2009 15:22:59*	***69.5*** *18Mar2009 15:16:42*	***60.0*** *18Mar2009 15:15:23*	***87.5*** *18Mar2009 15:16:30*
I	***51.5*** *18Mar2009 15:22:59*	***73.3*** *18Mar2009 15:16:42*	***62.3*** *18Mar2009 15:15:23*	***90.2*** *18Mar2009 15:16:30*

Spettro Livello Minimo

Frequenza	Livello	Frequenza	Livello
12.5	49.5 dB	630	43.5 dB
16	53.3 dB	800	43.2 dB
20	51.9 dB	1000	42.4 dB
25	53.2 dB	1250	41.1 dB
31.5	53.4 dB	1600	42.5 dB
40	48.8 dB	2000	36.1 dB
50	50.1 dB	2500	32.2 dB
63	49.5 dB	3150	28.2 dB
80	45.8 dB	4000	23.7 dB
100	44.8 dB	5000	21.0 dB
125	41.6 dB	6300	20.3 dB
160	45.2 dB	8000	20.7 dB
200	42.3 dB	10000	21.0 dB
250	43.9 dB	12500	21.2 dB
315	49.2 dB	16000	22.6 dB
400	44.3 dB	20000	23.7 dB
500	44.0 dB		



STEAM

Punto di Misura :P6D_3

Località: Scandicci (FI)

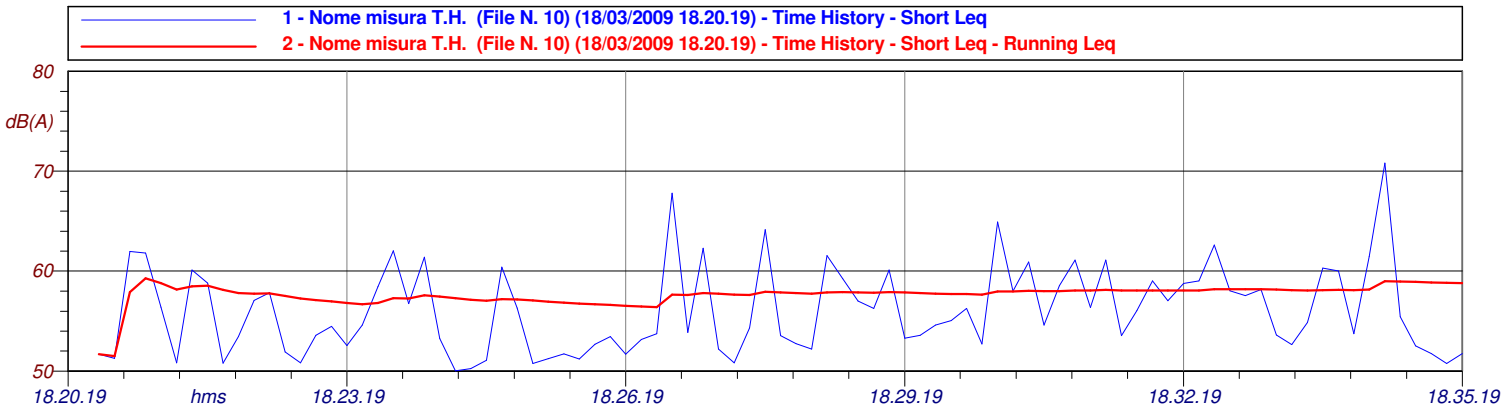
Data, ora misura : 18/03/2009 18.20.19

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 68.2 dB(A) fast
L10: 61.5 dB(A) fast
L50: 54.8 dB(A) fast
L90: 51.2 dB(A) fast
L95: 50.8 dB(A) fast
L99: 50.3 dB(A) fast

Leq (A) : 58.8 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	57.8 dB	630	47.6 dB
16	58.9 dB	800	48.0 dB
20	57.7 dB	1000	47.6 dB
25	57.0 dB	1250	47.1 dB
31.5	57.8 dB	1600	45.1 dB
40	53.7 dB	2000	42.6 dB
50	56.4 dB	2500	40.0 dB
63	56.2 dB	3150	37.0 dB
80	51.9 dB	4000	33.4 dB
100	49.5 dB	5000	29.5 dB
125	48.6 dB	6300	26.9 dB
160	47.3 dB	8000	25.5 dB
200	47.5 dB	10000	24.3 dB
250	47.2 dB	12500	23.1 dB
315	47.6 dB	16000	23.6 dB
400	47.5 dB	20000	24.2 dB
500	47.4 dB		

	Lmin (A)	Lmax (A)	Lmin (Lin)	Lmax (Lin)
S	49.3 18Mar2009 18:24:31	76.2 18Mar2009 18:34:21	61.2 18Mar2009 18:22:43	80.4 18Mar2009 18:34:20
F	48.4 18Mar2009 18:35:03	78.7 18Mar2009 18:34:20	59.4 18Mar2009 18:35:04	83.6 18Mar2009 18:34:20
I	49.0 18Mar2009 18:35:03	79.2 18Mar2009 18:34:20	61.9 18Mar2009 18:35:04	86.9 18Mar2009 18:20:24

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	49.8 dB	630	42.7 dB
16	53.2 dB	800	41.4 dB
20	52.5 dB	1000	41.6 dB
25	52.8 dB	1250	39.8 dB
31.5	52.5 dB	1600	37.6 dB
40	48.5 dB	2000	35.2 dB
50	50.7 dB	2500	32.0 dB
63	50.5 dB	3150	25.8 dB
80	47.0 dB	4000	23.5 dB
100	43.7 dB	5000	21.2 dB
125	43.5 dB	6300	20.5 dB
160	42.0 dB	8000	21.2 dB
200	42.6 dB	10000	21.5 dB
250	42.4 dB	12500	21.5 dB
315	43.3 dB	16000	22.9 dB
400	42.3 dB	20000	24.0 dB
500	42.7 dB		

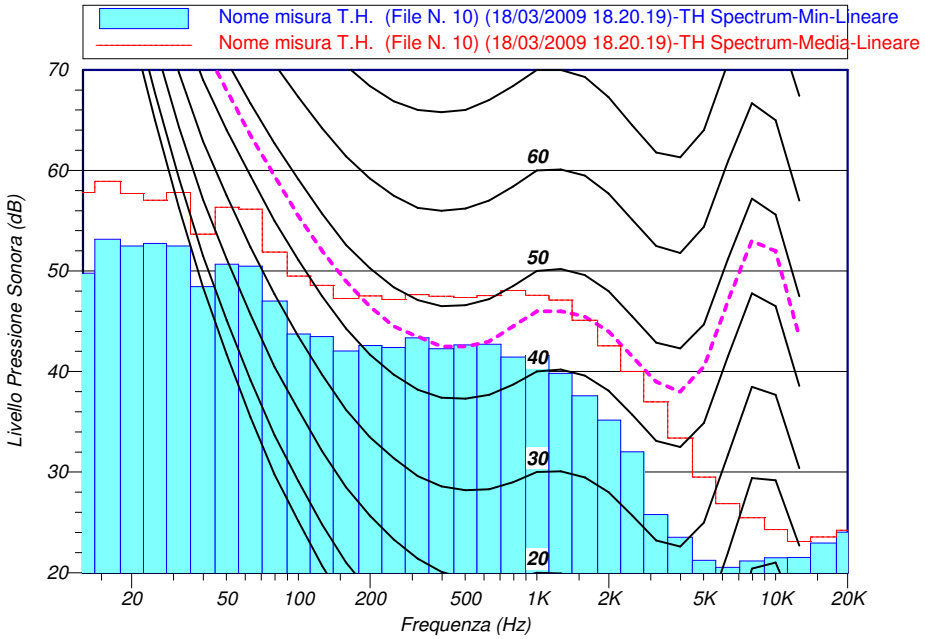


Figura 6 Foto Punto di Misura P6

STEAM

Punto di Misura :P7D_1

Località: Scandicci (FI)

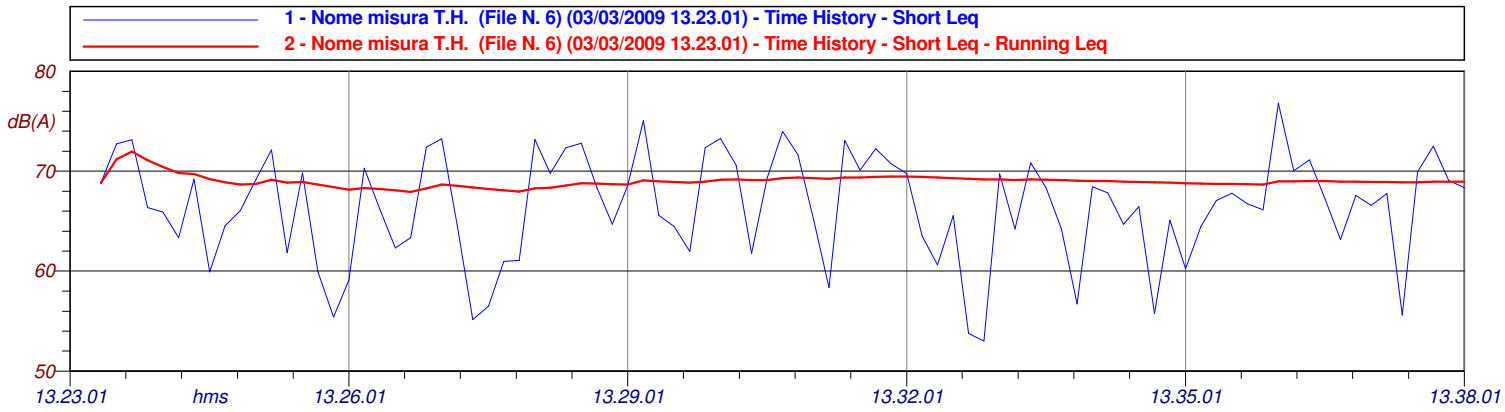
Data, ora misura : 03/03/2009 13.23.01

Durata: 900.800 s

Strumentazione : Larson-Davis 824

L01: 75.3 dB(A) fast
L10: 72.7 dB(A) fast
L50: 67.1 dB(A) fast
L90: 58.9 dB(A) fast
L95: 55.7 dB(A) fast
L99: 53.7 dB(A) fast

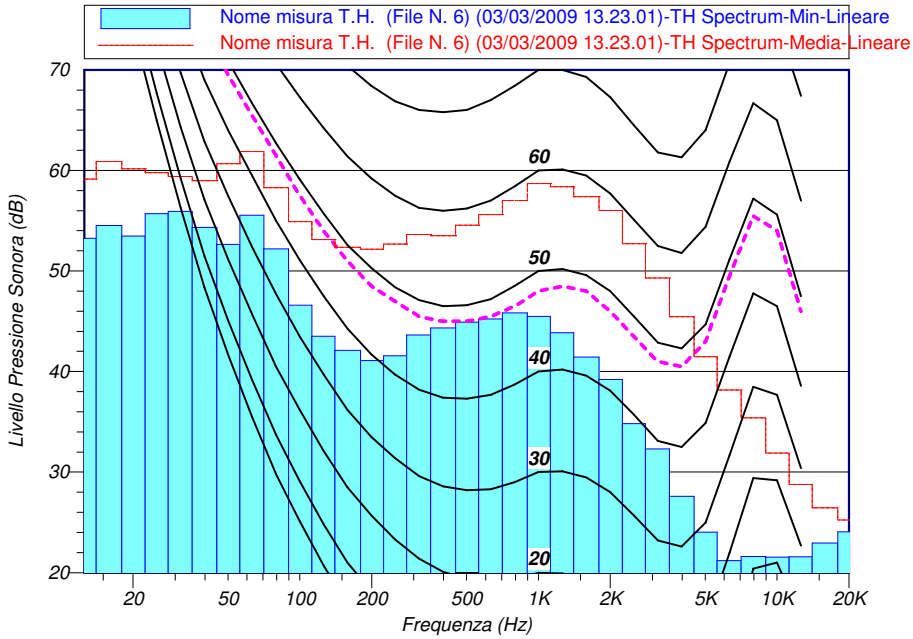
Leq (A) : 68.9 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	59.1 dB	630	55.6 dB
16	60.9 dB	800	57.0 dB
20	60.2 dB	1000	58.7 dB
25	59.8 dB	1250	58.4 dB
31.5	59.4 dB	1600	57.4 dB
40	59.0 dB	2000	56.0 dB
50	60.7 dB	2500	52.7 dB
63	61.9 dB	3150	49.3 dB
80	58.3 dB	4000	45.5 dB
100	54.9 dB	5000	41.5 dB
125	53.1 dB	6300	38.2 dB
160	52.4 dB	8000	35.4 dB
200	52.2 dB	10000	31.9 dB
250	52.7 dB	12500	28.8 dB
315	53.6 dB	16000	26.5 dB
400	53.5 dB	20000	25.3 dB
500	54.5 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***52.8*** *03Mar2009 13:32:46*	***81.4*** *03Mar2009 13:35:53*	***63.7*** *03Mar2009 13:33:46*	***90.5*** *03Mar2009 13:35:53*
F	***52.4*** *03Mar2009 13:32:41*	***84.1*** *03Mar2009 13:35:53*	***62.6*** *03Mar2009 13:33:46*	***93.0*** *03Mar2009 13:35:53*
I	***52.9*** *03Mar2009 13:32:48*	***85.3*** *03Mar2009 13:35:53*	***64.3*** *03Mar2009 13:33:46*	***94.2*** *03Mar2009 13:35:53*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	53.2 dB	630	45.2 dB
16	54.5 dB	800	45.8 dB
20	53.5 dB	1000	45.5 dB
25	55.7 dB	1250	43.9 dB
31.5	55.9 dB	1600	41.5 dB
40	54.3 dB	2000	39.2 dB
50	52.7 dB	2500	34.8 dB
63	55.5 dB	3150	32.3 dB
80	52.2 dB	4000	27.6 dB
100	46.6 dB	5000	24.0 dB
125	43.5 dB	6300	21.2 dB
160	42.1 dB	8000	21.6 dB
200	41.1 dB	10000	21.6 dB
250	41.6 dB	12500	21.6 dB
315	43.6 dB	16000	22.9 dB
400	44.3 dB	20000	24.1 dB
500	44.9 dB		



STEAM

Punto di Misura :P7D_2

Località: Scandicci (FI)

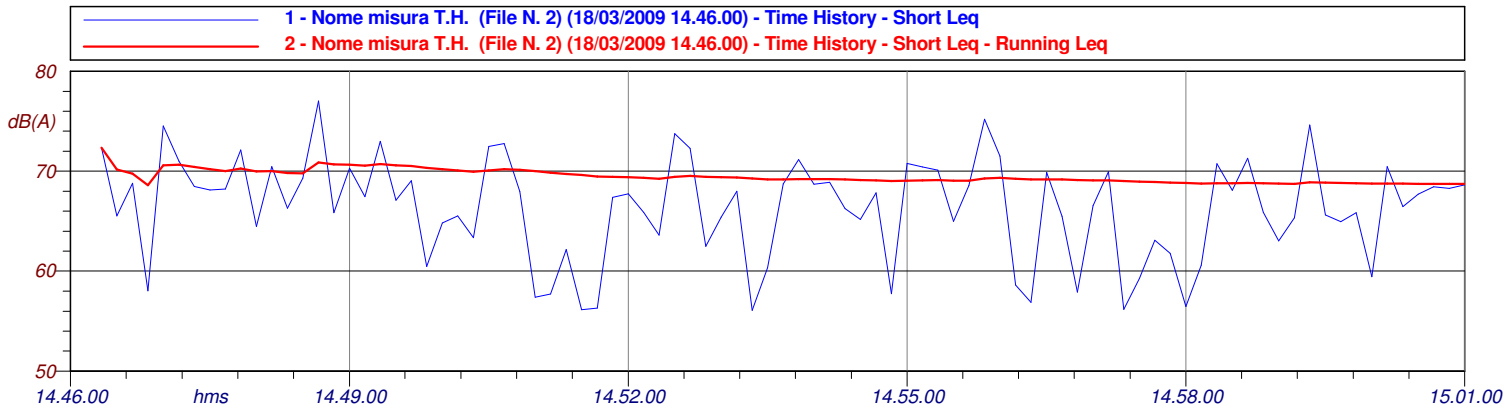
Data, ora misura : 18/03/2009 14.46.00

Durata: 900.600 s

Strumentazione : Larson-Davis 824

L01: 75.4 dB(A) fast
L10: 72.3 dB(A) fast
L50: 67.4 dB(A) fast
L90: 57.9 dB(A) fast
L95: 56.7 dB(A) fast
L99: 56.2 dB(A) fast

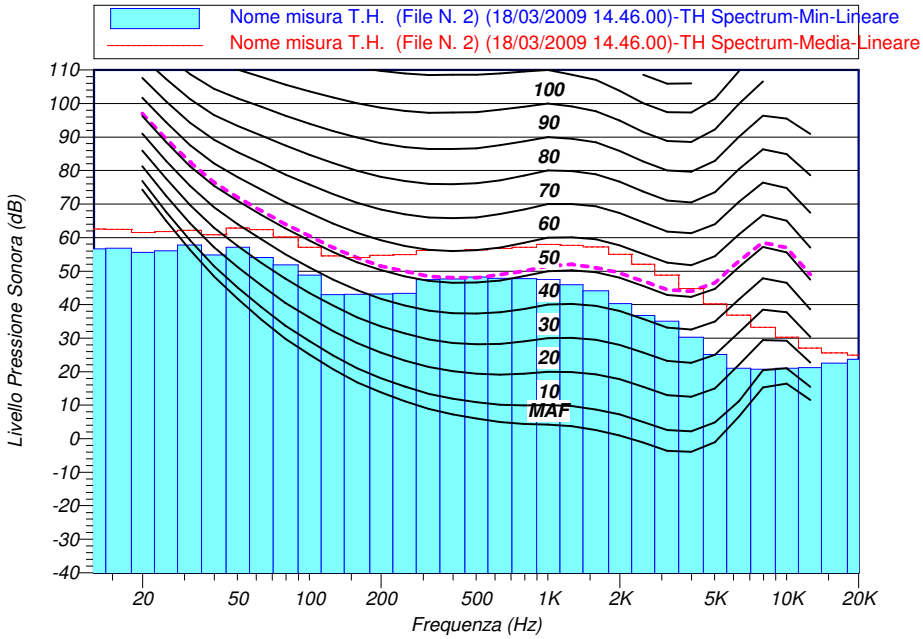
Leq (A) : 68.7 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	62.5 dB	630	56.8 dB
16	62.5 dB	800	57.1 dB
20	61.5 dB	1000	58.0 dB
25	61.8 dB	1250	57.7 dB
31.5	62.1 dB	1600	57.2 dB
40	60.8 dB	2000	55.0 dB
50	62.8 dB	2500	52.0 dB
63	62.4 dB	3150	48.8 dB
80	60.2 dB	4000	44.8 dB
100	57.1 dB	5000	40.2 dB
125	54.5 dB	6300	36.8 dB
160	54.1 dB	8000	33.2 dB
200	54.7 dB	10000	30.3 dB
250	54.9 dB	12500	27.1 dB
315	56.1 dB	16000	25.6 dB
400	56.2 dB	20000	24.9 dB
500	56.3 dB		

	Lmin (A)	*Lmax (A)*	*Lmin (Lin)*	*Lmax (Lin)*
S	***54.2*** *18Mar2009 14:51:35*	***83.3*** *18Mar2009 14:48:33*	***66.4*** *18Mar2009 14:57:23*	***89.3*** *18Mar2009 14:46:59*
F	***53.6*** *18Mar2009 14:51:34*	***85.9*** *18Mar2009 14:48:32*	***64.7*** *18Mar2009 14:54:39*	***92.3*** *18Mar2009 14:46:59*
I	***53.8*** *18Mar2009 14:51:34*	***86.4*** *18Mar2009 14:48:32*	***67.2*** *18Mar2009 14:54:39*	***93.9*** *18Mar2009 14:47:45*

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	56.6 dB	630	47.8 dB
16	56.9 dB	800	47.7 dB
20	55.5 dB	1000	47.4 dB
25	56.0 dB	1250	45.9 dB
31.5	57.7 dB	1600	44.1 dB
40	54.9 dB	2000	40.3 dB
50	57.1 dB	2500	36.7 dB
63	54.0 dB	3150	35.0 dB
80	51.9 dB	4000	30.3 dB
100	48.8 dB	5000	25.1 dB
125	43.0 dB	6300	21.0 dB
160	43.0 dB	8000	20.7 dB
200	43.1 dB	10000	20.9 dB
250	43.3 dB	12500	21.2 dB
315	47.5 dB	16000	22.5 dB
400	47.6 dB	20000	23.7 dB
500	48.2 dB		



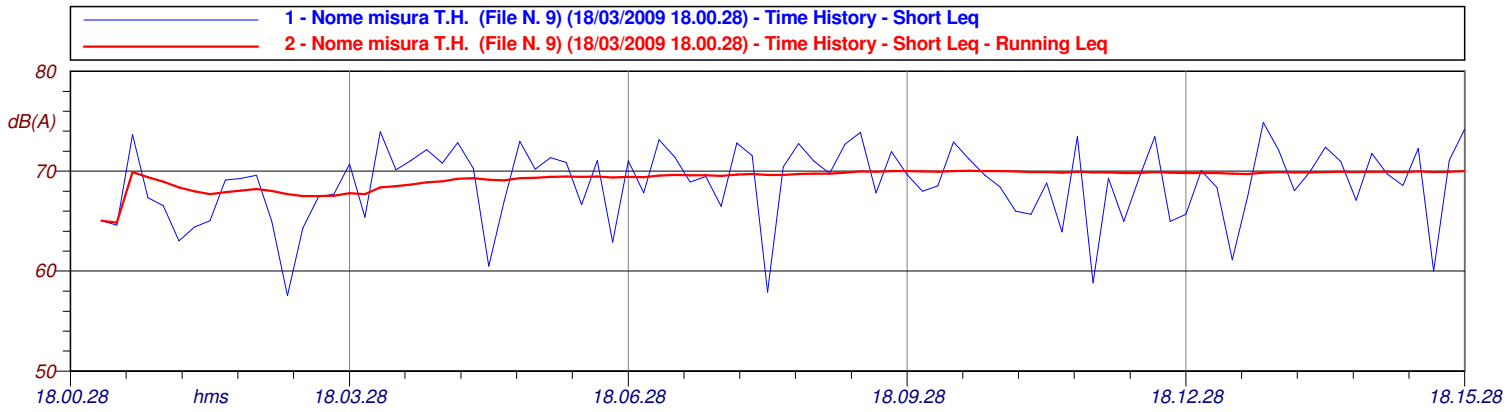
STEAM

Punto di Misura :P7D_3

Località: Località misura
Data, ora misura : 18/03/2009 18.00.28
Operatore: Nome operatore
Durata: 900.600 s
Strumentazione : Larson-Davis 824

L01: 74.3 dB(A) fast
L10: 72.9 dB(A) fast
L50: 69.5 dB(A) fast
L90: 64.2 dB(A) fast
L95: 60.7 dB(A) fast
L99: 57.8 dB(A) fast

Leq (A) : 70.0 dBA



Spettro Livello Equivalente			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	66.0 dB	630	58.3 dB
16	65.4 dB	800	58.9 dB
20	63.5 dB	1000	60.4 dB
25	62.8 dB	1250	60.4 dB
31.5	62.4 dB	1600	59.8 dB
40	62.9 dB	2000	58.4 dB
50	64.9 dB	2500	55.5 dB
63	64.5 dB	3150	52.2 dB
80	61.2 dB	4000	48.9 dB
100	58.0 dB	5000	45.2 dB
125	57.9 dB	6300	41.3 dB
160	57.4 dB	8000	37.8 dB
200	56.9 dB	10000	33.9 dB
250	56.8 dB	12500	30.1 dB
315	57.4 dB	16000	27.4 dB
400	56.7 dB	20000	25.6 dB
500	57.6 dB		

	Lmin (A)	Lmax (A)	Lmin (Lin)	Lmax (Lin)
S	56.2 18Mar2009 18:02:44	80.1 18Mar2009 18:11:10	68.3 18Mar2009 18:07:54	88.2 18Mar2009 18:01:01
F	55.6 18Mar2009 18:02:44	83.4 18Mar2009 18:11:09	67.1 18Mar2009 18:02:57	91.2 18Mar2009 18:01:00
I	56.2 18Mar2009 18:02:43	84.1 18Mar2009 18:11:09	69.4 18Mar2009 18:02:57	91.6 18Mar2009 18:01:00

Spettro Livello Minimo			
Frequenza	*Livello*	*Frequenza*	*Livello*
12.5	59.1 dB	630	50.8 dB
16	60.1 dB	800	49.3 dB
20	58.4 dB	1000	48.6 dB
25	58.8 dB	1250	47.8 dB
31.5	58.5 dB	1600	46.5 dB
40	58.7 dB	2000	45.3 dB
50	60.6 dB	2500	42.1 dB
63	58.0 dB	3150	38.6 dB
80	54.3 dB	4000	35.0 dB
100	49.3 dB	5000	29.5 dB
125	48.6 dB	6300	26.1 dB
160	47.0 dB	8000	23.8 dB
200	47.6 dB	10000	22.1 dB
250	47.5 dB	12500	21.7 dB
315	49.8 dB	16000	23.0 dB
400	49.3 dB	20000	24.1 dB
500	49.7 dB		

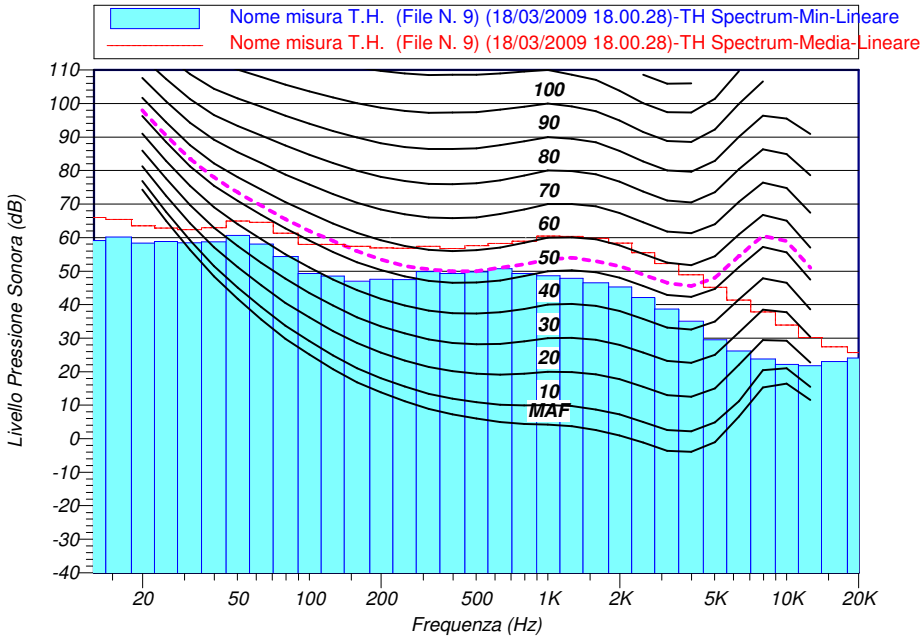


Figura 7 Foto Punto di Misura P7