

Appendice C

Schede Tecniche delle Misure Fonometriche e Fotografie delle Postazioni di Misura

Punto di Misura: P11

Località: Sondrio

Data, ora misura : 12/03/2014 8.25.10

Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 73.0 dB(A) fast

L10: 59.5 dB(A) fast

L50: 51.4 dB(A) fast

L90: 46.7 dB(A) fast

L95: 46.2 dB(A) fast

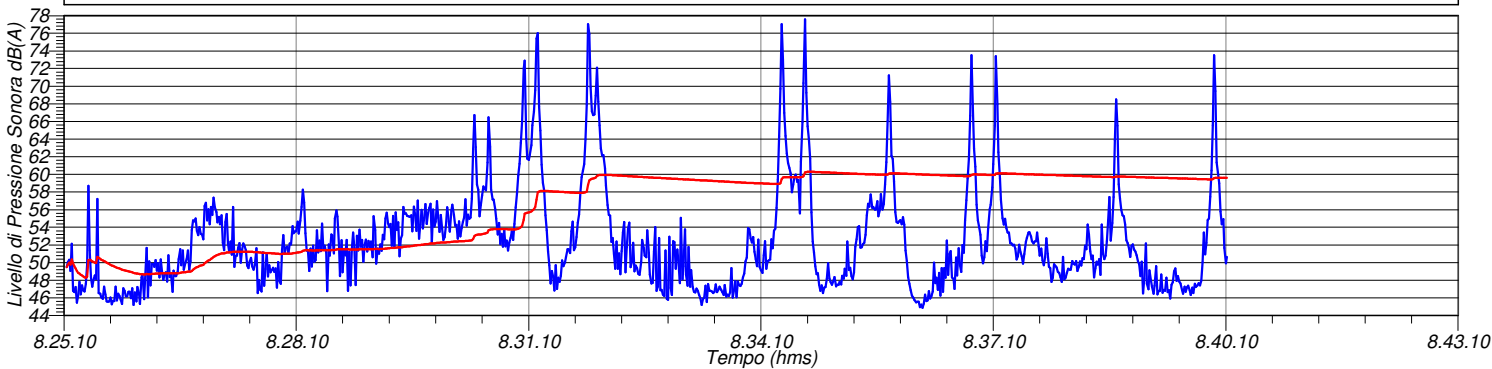
L99: 45.5 dB(A) fast

P1T.H. (File N. 8) (12/03/2014 8.25.10)
Time History - Short Leq

Nome	Inizio	Durata	Leq
Totale	8.25.12	00:15:00	59.6
Non Mascherato	8.25.12	00:15:00	59.6
Mascherato		00:00:00	0.0

Leq (A) : 59.6 dBA

1 - P1T.H. (File N. 8) (12/03/2014 8.25.10) - Time History - Short Leq
2 - P1T.H. (File N. 8) (12/03/2014 8.25.10) - Time History - Short Leq - Running Leq



Spettro Livello Equivalente

Frequenza	Livello	Frequenza	Livello
12.5	51.7 dB	630	50.2 dB
16	57.4 dB	800	49.4 dB
20	54.3 dB	1000	49.8 dB
25	57.7 dB	1250	51.0 dB
31.5	61.7 dB	1600	49.4 dB
40	59.9 dB	2000	48.6 dB
50	63.0 dB	2500	47.7 dB
63	60.5 dB	3150	47.7 dB
80	55.6 dB	4000	45.6 dB
100	56.5 dB	5000	40.8 dB
125	54.0 dB	6300	38.8 dB
160	52.0 dB	8000	36.7 dB
200	51.6 dB	10000	33.5 dB
250	50.2 dB	12500	29.5 dB
315	49.2 dB	16000	26.5 dB
400	49.1 dB	20000	22.4 dB
500	49.7 dB		

Spettro Livello Minimo

Frequenza	Livello	Frequenza	Livello
12.5	35.9 dB	630	36.9 dB
16	49.5 dB	800	37.7 dB
20	42.3 dB	1000	36.5 dB
25	43.9 dB	1250	34.6 dB
31.5	44.3 dB	1600	31.7 dB
40	43.0 dB	2000	28.7 dB
50	46.1 dB	2500	26.1 dB
63	44.9 dB	3150	24.7 dB
80	40.3 dB	4000	21.8 dB
100	38.7 dB	5000	15.3 dB
125	35.1 dB		
160	34.1 dB		
200	33.8 dB		
250	33.2 dB		
315	33.1 dB		
400	34.8 dB		
500	35.6 dB		

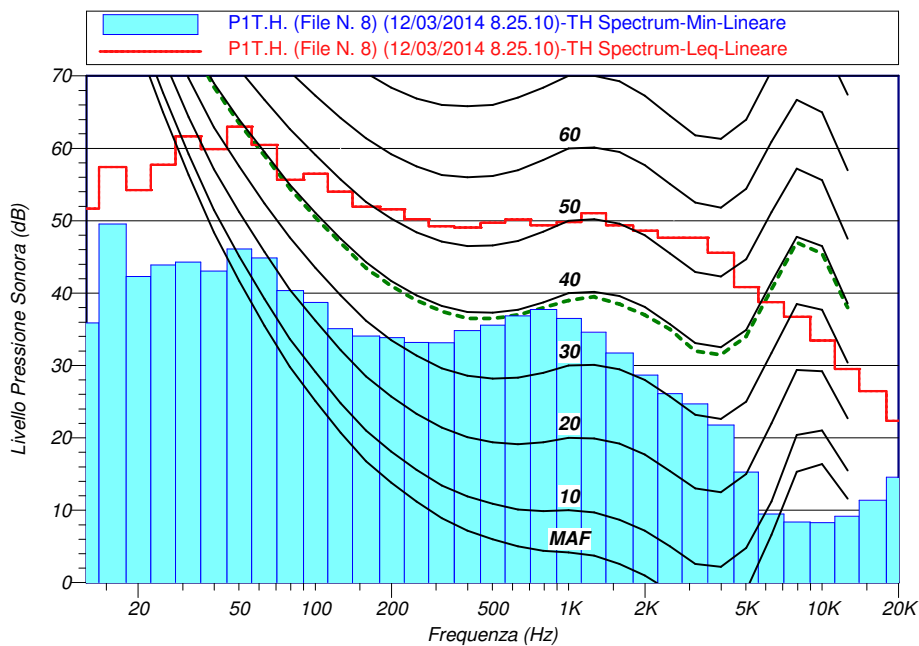


Figura 1 Foto Postazione di Misura P11



Punto di Misura :P12_D

Località: Sondrio

Data, ora misura : 11/03/2014 15.46.56

Operatore: Dott. Lorenzo Magni

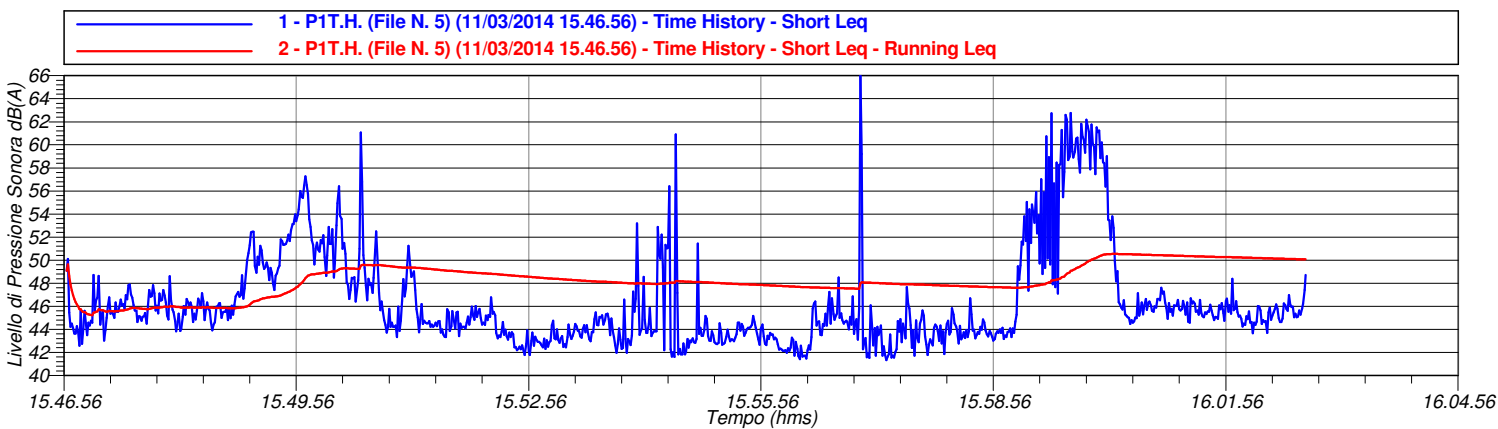
Strumentazione : Larson-Davis 824

L01: 61.4 dB(A) fast
 L10: 51.8 dB(A) fast
 L50: 45.1 dB(A) fast
 L90: 42.8 dB(A) fast
 L95: 42.3 dB(A) fast
 L99: 41.6 dB(A) fast

P1T.H. (File N. 5) (11/03/2014 15.46.56)
Time History - Short Leq

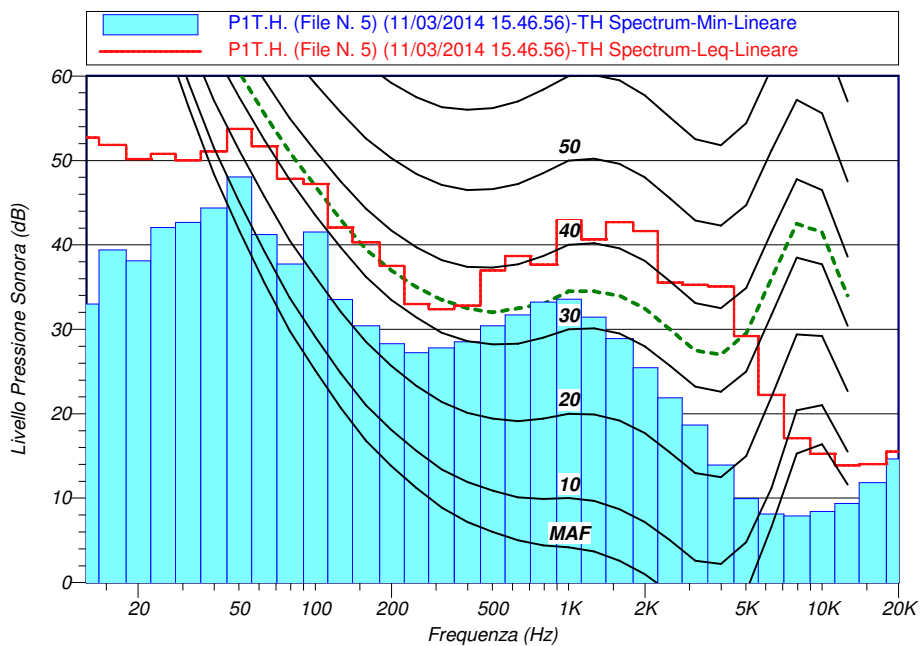
Nome	Inizio	Durata	Leq
Totale	15.46.58	00:16:01	50.1
Non Mascherato	15.46.58	00:16:01	50.1
Mascherato		00:00:00	0.0

Leq (A) : 50.1 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	52.7 dB	630	38.7 dB
16	51.8 dB	800	37.7 dB
20	50.2 dB	1000	42.9 dB
25	50.8 dB	1250	40.6 dB
31.5	50.0 dB	1600	42.7 dB
40	51.1 dB	2000	41.6 dB
50	53.7 dB	2500	35.5 dB
63	51.7 dB	3150	35.3 dB
80	47.8 dB	4000	35.1 dB
100	47.2 dB	5000	29.2 dB
125	42.0 dB	6300	22.2 dB
160	40.3 dB	8000	17.1 dB
200	37.5 dB	10000	15.3 dB
250	33.0 dB	20000	15.5 dB
315	32.4 dB		
400	32.8 dB		
500	37.0 dB		

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	33.0 dB	630	31.7 dB
16	39.4 dB	800	33.2 dB
20	38.1 dB	1000	33.6 dB
25	42.1 dB	1250	31.4 dB
31.5	42.7 dB	1600	28.9 dB
40	44.4 dB	2000	25.4 dB
50	48.1 dB	2500	21.9 dB
63	41.2 dB	3150	18.7 dB
80	37.7 dB		
100	41.5 dB		
125	33.5 dB		
160	30.4 dB		
200	28.3 dB		
250	27.2 dB		
315	27.8 dB		
400	28.5 dB		
500	30.4 dB		



Punto di Misura :P12_N

Località: Sondrio

Data, ora misura : 11/03/2014 22.25.28

Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 51.7 dB(A) fast

L10: 47.9 dB(A) fast

L50: 44.1 dB(A) fast

L90: 42.4 dB(A) fast

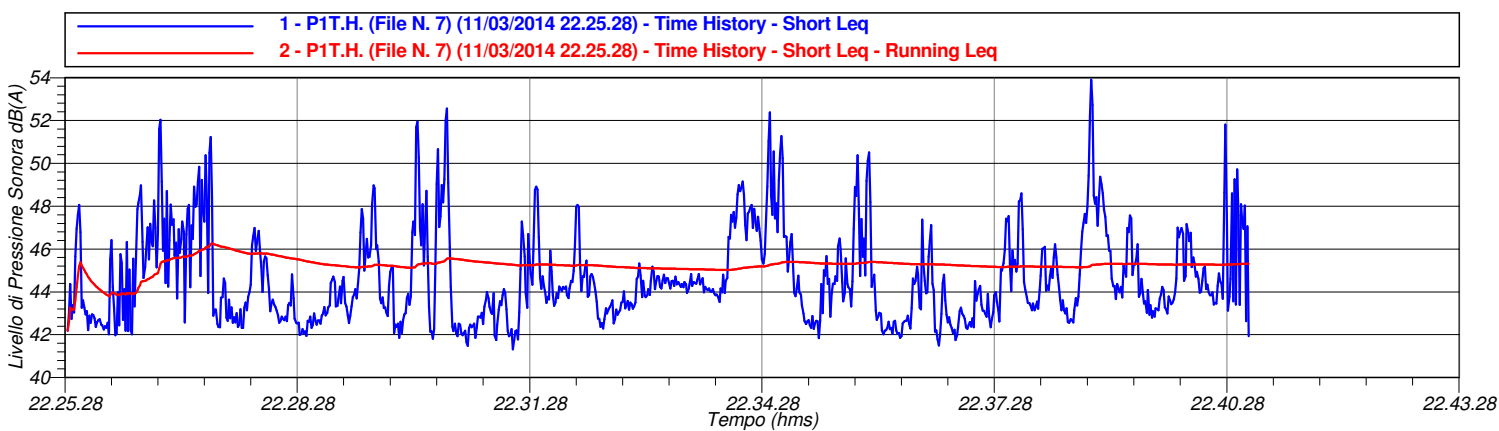
L95: 42.2 dB(A) fast

L99: 41.8 dB(A) fast

P1T.H. (File N. 7) (11/03/2014 22.25.28)
Time History - Short Leq

Nome	Inizio	Durata	Leq
Totale	22.25.30	00:15:16	45.3
Non Mascherato	22.25.30	00:15:16	45.3
Mascherato		00:00:00	0.0

Leq (A) : 45.3 dBA



Spettro Livello Equivalente

Frequenza	Livello	Frequenza	Livello
12.5	41.1 dB	630	38.4 dB
16	42.1 dB	800	39.8 dB
20	43.9 dB	1000	39.0 dB
25	46.0 dB	1250	36.3 dB
31.5	47.5 dB	1600	34.1 dB
40	47.9 dB	2000	29.3 dB
50	50.7 dB	2500	24.8 dB
63	45.3 dB	3150	20.2 dB
80	43.0 dB	4000	15.2 dB
100	47.2 dB		
125	36.9 dB		
160	35.3 dB		
200	32.6 dB		
250	31.6 dB		
315	31.8 dB		
400	34.5 dB		
500	37.3 dB		

Spettro Livello Minimo

Frequenza	Livello	Frequenza	Livello
12.5	31.7 dB	630	34.1 dB
16	29.8 dB	800	34.6 dB
20	36.4 dB	1000	33.7 dB
25	38.9 dB	1250	31.9 dB
31.5	41.6 dB	1600	28.6 dB
40	41.0 dB	2000	25.2 dB
50	45.7 dB	2500	20.8 dB
63	33.8 dB	3150	15.7 dB
80	33.0 dB		
100	43.3 dB		
125	28.0 dB		
160	29.3 dB		
200	27.3 dB		
250	27.1 dB		
315	28.7 dB		
400	31.0 dB		
500	32.7 dB		

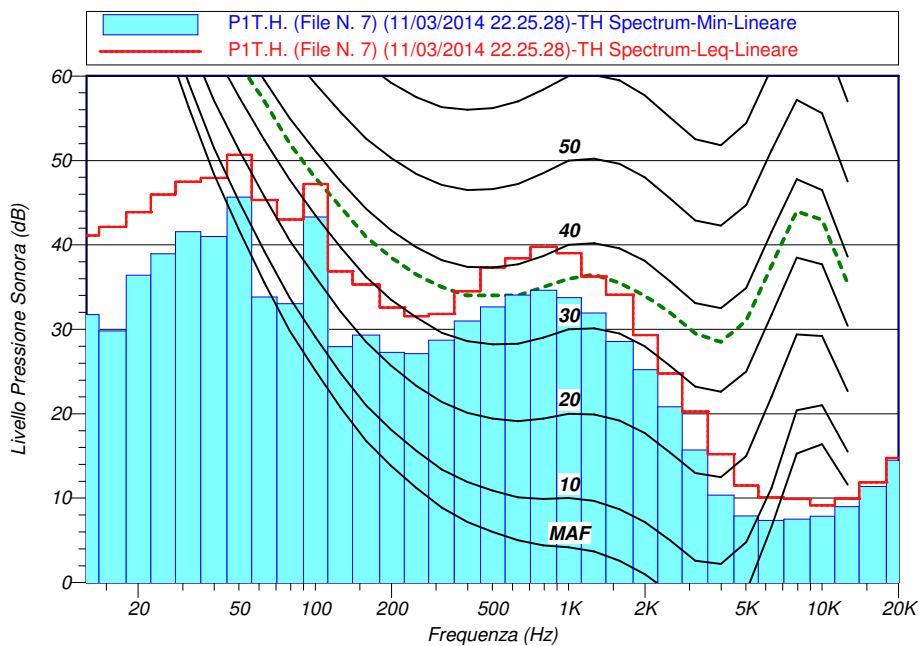


Figura 2 *Foto Postazione di Misura P12*



Punto di Misura :P13_D

Località: Sondrio

Data, ora misura : 11/03/2014 15.21.42

Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 60.2 dB(A) fast

L10: 54.8 dB(A) fast

L50: 49.0 dB(A) fast

L90: 44.5 dB(A) fast

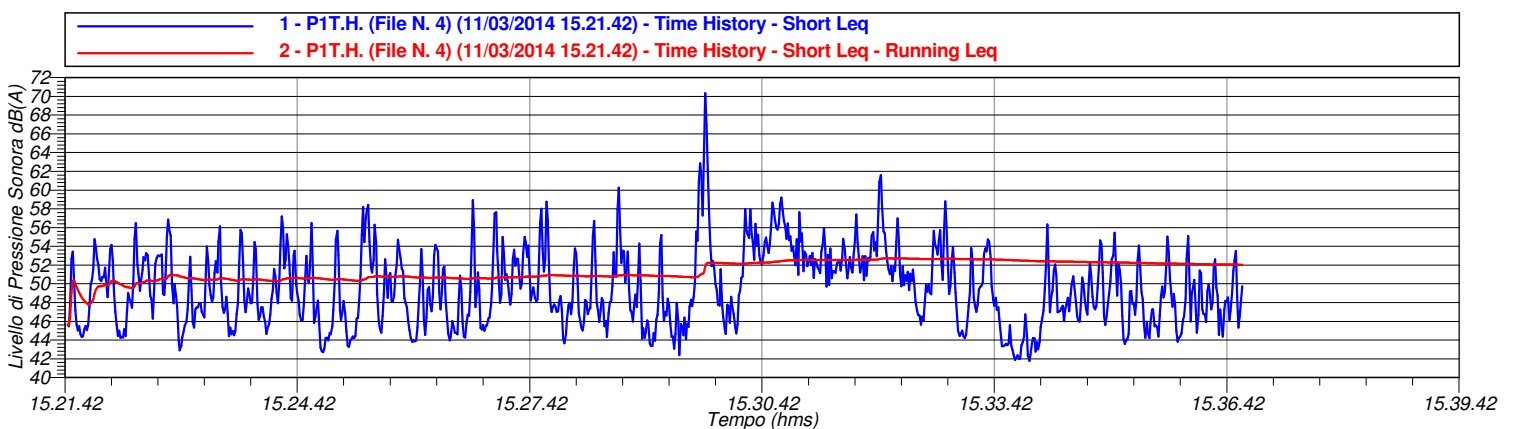
L95: 44.0 dB(A) fast

L99: 42.4 dB(A) fast

P1T.H. (File N. 4) (11/03/2014 15.21.42)
Time History - Short Leq

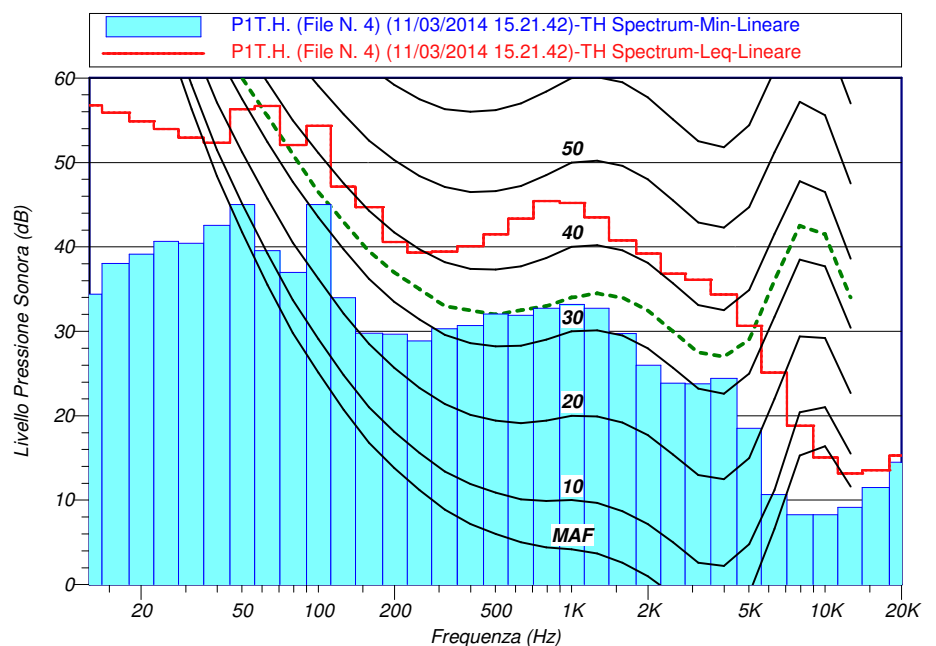
Nome	Inizio	Durata	Leq
Totale	15.21.44	00:15:11	52.0
Non Mascherato	15.21.44	00:15:11	52.0
Mascherato		00:00:00	0.0

Leq (A) : 52.0 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	56.8 dB	630	43.4 dB
16	55.9 dB	800	45.4 dB
20	54.9 dB	1000	45.2 dB
25	54.0 dB	1250	43.5 dB
31.5	52.9 dB	1600	40.8 dB
40	52.3 dB	2000	39.2 dB
50	56.3 dB	2500	36.8 dB
63	56.7 dB	3150	36.1 dB
80	52.1 dB	4000	34.4 dB
100	54.3 dB	5000	30.6 dB
125	47.2 dB	6300	25.1 dB
160	44.7 dB	8000	18.8 dB
200	40.6 dB	10000	15.1 dB
250	39.3 dB	20000	15.3 dB
315	39.4 dB		
400	40.1 dB		
500	41.5 dB		

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	34.4 dB	630	31.9 dB
16	38.0 dB	800	32.7 dB
20	39.1 dB	1000	33.2 dB
25	40.7 dB	1250	32.7 dB
31.5	40.4 dB	1600	29.7 dB
40	42.6 dB	2000	26.0 dB
50	45.0 dB	2500	23.8 dB
63	39.6 dB	3150	23.8 dB
80	37.0 dB	4000	24.4 dB
100	45.0 dB	5000	18.5 dB
125	34.0 dB		
160	29.8 dB		
200	29.7 dB		
250	28.8 dB		
315	30.3 dB		
400	30.7 dB		
500	32.0 dB		



Punto di Misura :P13_N

Località: Sondrio

Data, ora misura : 11/03/2014 22.06.06

Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 58.4 dB(A) fast

L10: 53.4 dB(A) fast

L50: 46.8 dB(A) fast

L90: 45.1 dB(A) fast

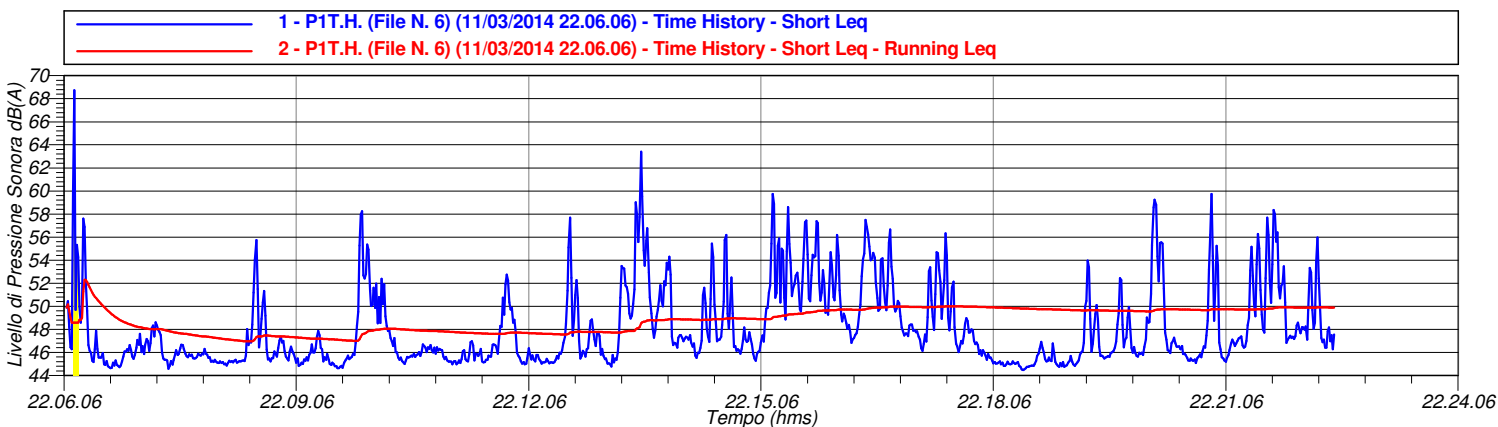
L95: 45.0 dB(A) fast

L99: 44.7 dB(A) fast

P1T.H. (File N. 6) (11/03/2014 22.06.06) Time History - Short Leq

Nome	Inizio	Durata	Leq
Totale	22.06.08	00:16:23	50.3
Non Mascherato	22.06.08	00:16:18	49.9
Mascherato	22.06.13	00:00:05	62.6
Sportello	22.06.13	00:00:05	62.6

Leq (A) : 49.9 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	39.8 dB	630	42.7 dB
16	41.0 dB	800	43.1 dB
20	41.3 dB	1000	43.1 dB
25	45.4 dB	1250	43.3 dB
31.5	44.9 dB	1600	39.4 dB
40	46.6 dB	2000	37.1 dB
50	49.1 dB	2500	34.1 dB
63	46.9 dB	3150	31.8 dB
80	47.6 dB	4000	28.4 dB
100	53.4 dB	5000	25.6 dB
125	44.5 dB	6300	23.0 dB
160	39.7 dB	8000	19.9 dB
200	36.0 dB	10000	17.1 dB
250	36.0 dB	20000	15.1 dB
315	36.1 dB		
400	37.7 dB		
500	40.4 dB		

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	31.7 dB	630	35.8 dB
16	28.3 dB	800	35.3 dB
20	31.1 dB	1000	34.6 dB
25	36.5 dB	1250	33.8 dB
31.5	35.5 dB	1600	33.5 dB
40	37.5 dB	2000	31.7 dB
50	42.9 dB	2500	29.6 dB
63	33.8 dB	3150	28.2 dB
80	34.2 dB	4000	24.6 dB
100	45.0 dB	5000	22.4 dB
125	28.5 dB	6300	19.4 dB
160	27.5 dB	8000	15.9 dB
200	28.5 dB		
250	28.2 dB		
315	30.7 dB		
400	32.8 dB		
500	35.2 dB		

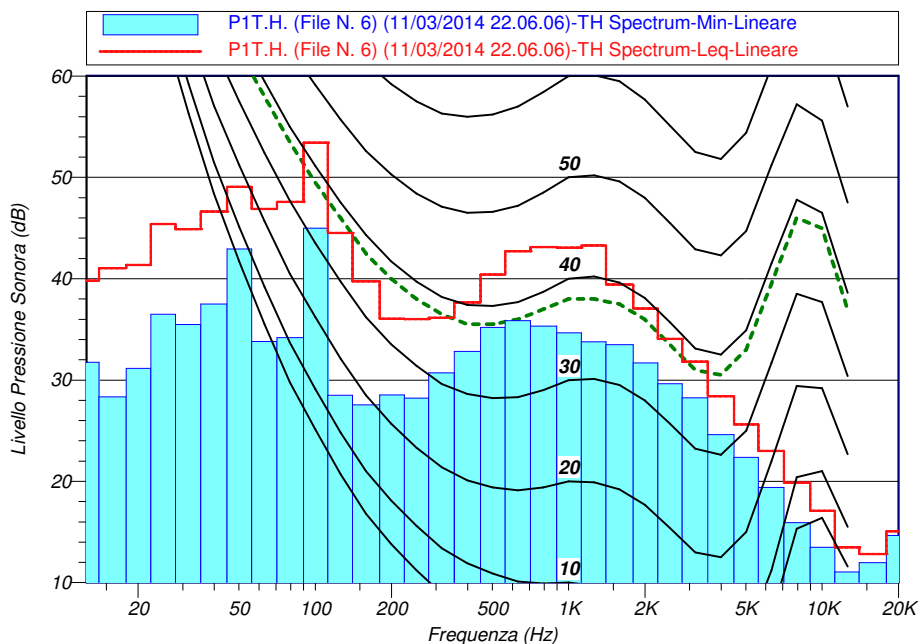


Figura 3 Foto Postazione di Misura P13



Punto di Misura :P14

Località: Sondrio

Data, ora misura : 11/03/2014 14.26.55

Operatore: Dott. Lorenzo Magni

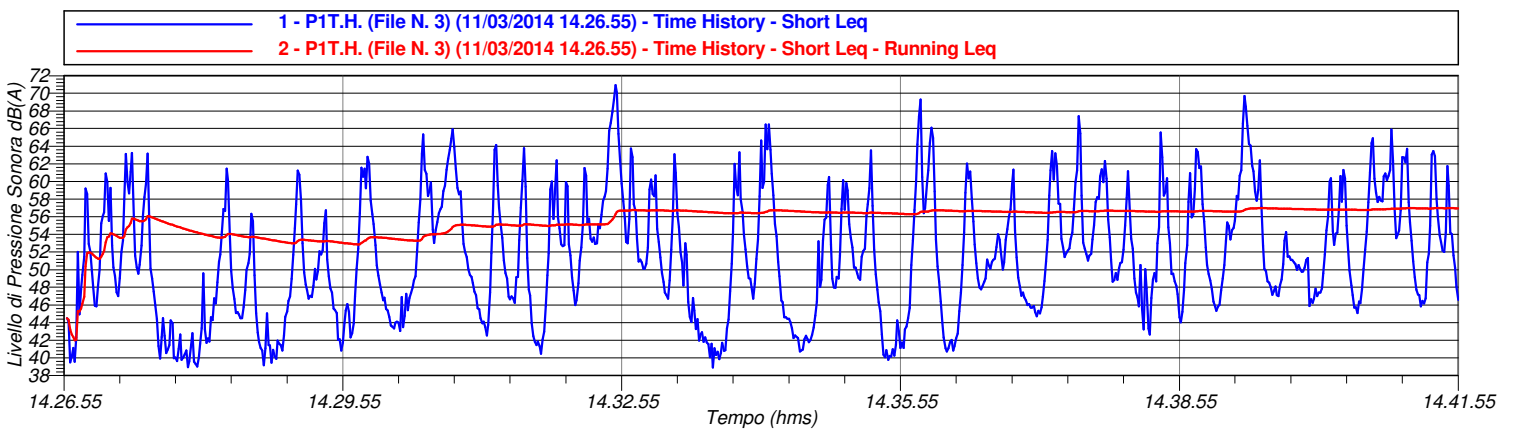
Strumentazione : Larson-Davis 824

L01: 66.6 dB(A) fast
 L10: 61.2 dB(A) fast
 L50: 50.8 dB(A) fast
 L90: 42.1 dB(A) fast
 L95: 40.9 dB(A) fast
 L99: 39.6 dB(A) fast

P1T.H. (File N. 3) (11/03/2014 14.26.55)
Time History - Short Leq

Nome	Inizio	Durata	Leq
Totale	14.26.57	00:14:59	57.0
Non Mascherato	14.26.57	00:14:59	57.0
Mascherato		00:00:00	0.0

Leq (A) : 57.0 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	55.6 dB	630	47.1 dB
16	54.9 dB	800	47.8 dB
20	55.7 dB	1000	49.3 dB
25	54.5 dB	1250	49.4 dB
31.5	56.3 dB	1600	47.3 dB
40	62.6 dB	2000	44.5 dB
50	57.8 dB	2500	42.0 dB
63	59.4 dB	3150	39.4 dB
80	59.3 dB	4000	37.2 dB
100	52.9 dB	5000	34.8 dB
125	52.7 dB	6300	32.5 dB
160	48.4 dB	8000	27.9 dB
200	49.7 dB	10000	23.5 dB
250	50.2 dB	12500	19.7 dB
315	49.4 dB	16000	16.5 dB
400	46.9 dB	20000	15.7 dB
500	47.2 dB		

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	36.3 dB	630	31.2 dB
16	36.1 dB	800	30.8 dB
20	38.1 dB	1000	29.3 dB
25	40.9 dB	1250	27.9 dB
31.5	38.8 dB	1600	24.9 dB
40	37.1 dB	2000	22.5 dB
50	38.0 dB	2500	20.5 dB
63	35.5 dB	3150	19.4 dB
80	32.7 dB	4000	16.1 dB
100	32.5 dB		
125	31.7 dB		
160	29.0 dB		
200	30.5 dB		
250	29.1 dB		
315	28.4 dB		
400	29.5 dB		
500	31.0 dB		

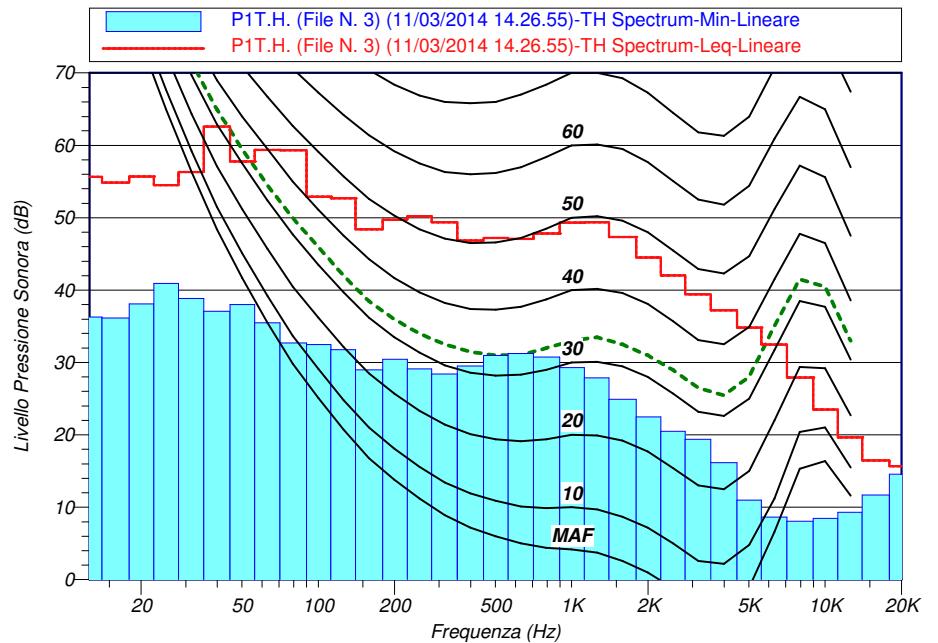


Figura 4 *Foto Postazione di Misura P14*



Punto di Misura :P15

Località: Sondrio

Data, ora misura : 11/03/2014 12.37.13

Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 71.2 dB(A) fast

L10: 53.8 dB(A) fast

L50: 45.3 dB(A) fast

L90: 43.4 dB(A) fast

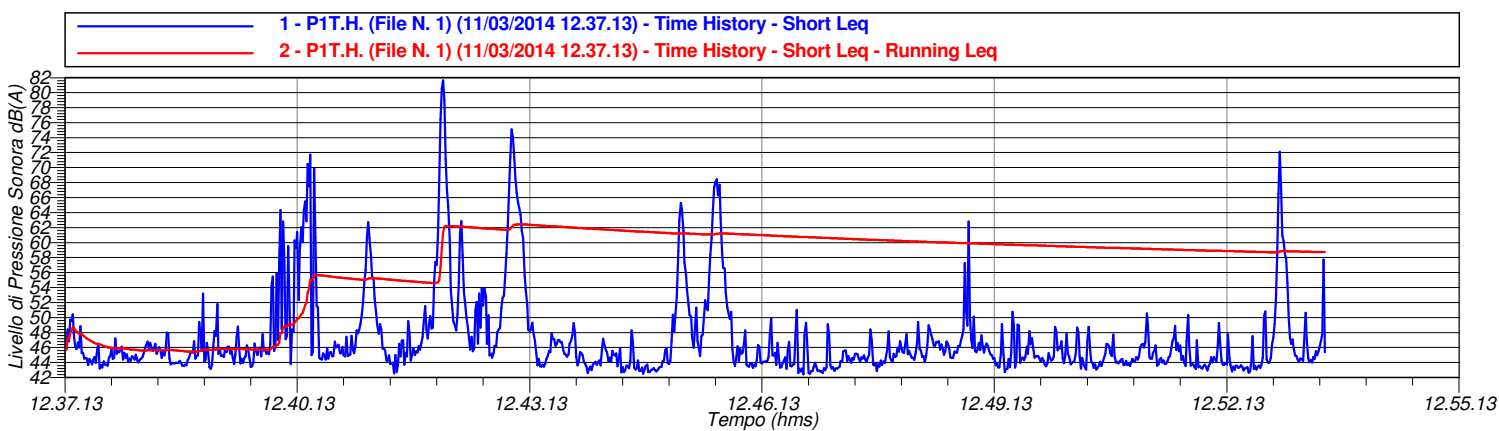
L95: 43.2 dB(A) fast

L99: 42.7 dB(A) fast

P1T.H. (File N. 1) (11/03/2014 12.37.13)
Time History - Short Leq

Nome	Inizio	Durata	Leq
Totale	12.37.14	00:16:16	58.7
Non Mascherato	12.37.14	00:16:16	58.7
Mascherato		00:00:00	0.0

Leq (A) : 58.7 dBA



Spettro Livello Equivalente

Frequenza	Livello	Frequenza	Livello
12.5	57.7 dB	630	51.2 dB
16	56.3 dB	800	49.7 dB
20	54.8 dB	1000	52.6 dB
25	53.0 dB	1250	48.2 dB
31.5	50.9 dB	1600	47.4 dB
40	53.4 dB	2000	45.4 dB
50	51.6 dB	2500	43.9 dB
63	66.4 dB	3150	43.1 dB
80	57.4 dB	4000	41.5 dB
100	51.5 dB	5000	39.2 dB
125	51.5 dB	6300	36.6 dB
160	44.3 dB	8000	33.9 dB
200	46.6 dB	10000	32.1 dB
250	50.9 dB	12500	31.1 dB
315	47.9 dB	16000	31.7 dB
400	50.1 dB	20000	31.0 dB
500	50.8 dB		

Spettro Livello Minimo

Frequenza	Livello	Frequenza	Livello
12.5	31.7 dB	630	31.7 dB
16	34.5 dB	800	30.3 dB
20	35.4 dB	1000	30.9 dB
25	35.3 dB	1250	30.0 dB
31.5	34.4 dB	1600	28.1 dB
40	33.3 dB	2000	26.4 dB
50	38.5 dB	2500	26.9 dB
63	41.8 dB	3150	26.4 dB
80	39.3 dB	4000	27.1 dB
100	42.0 dB	5000	25.6 dB
125	33.2 dB	6300	23.0 dB
160	36.0 dB	8000	22.0 dB
200	33.6 dB	10000	19.8 dB
250	33.5 dB	12500	17.2 dB
315	38.1 dB	16000	15.6 dB
400	35.3 dB	20000	15.7 dB
500	33.1 dB		

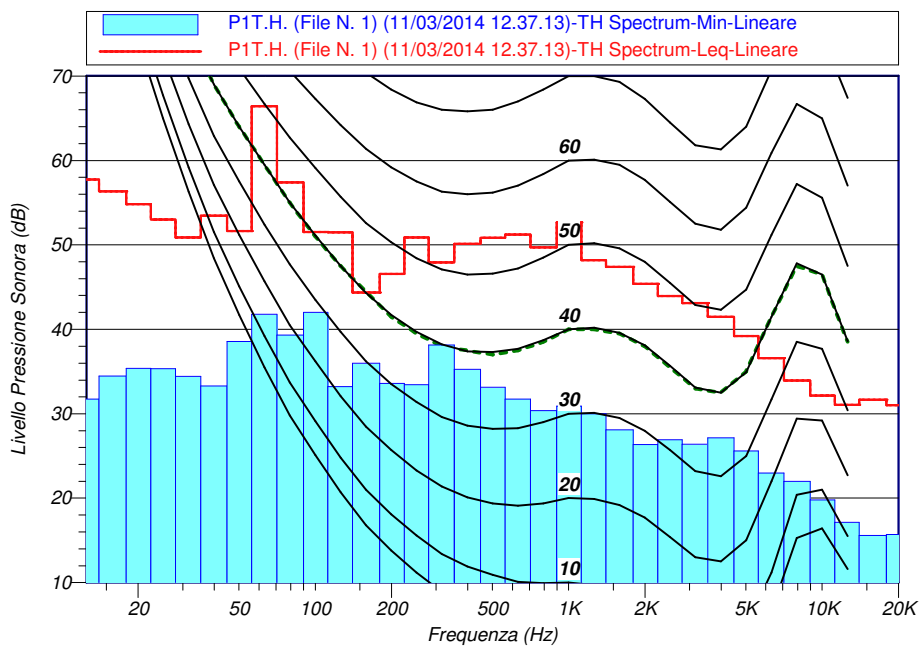


Figura 5 Foto Postazione di Misura P15



Punto di Misura :P16

Località: Sondrio

Data, ora misura : 11/03/2014 13.44.47

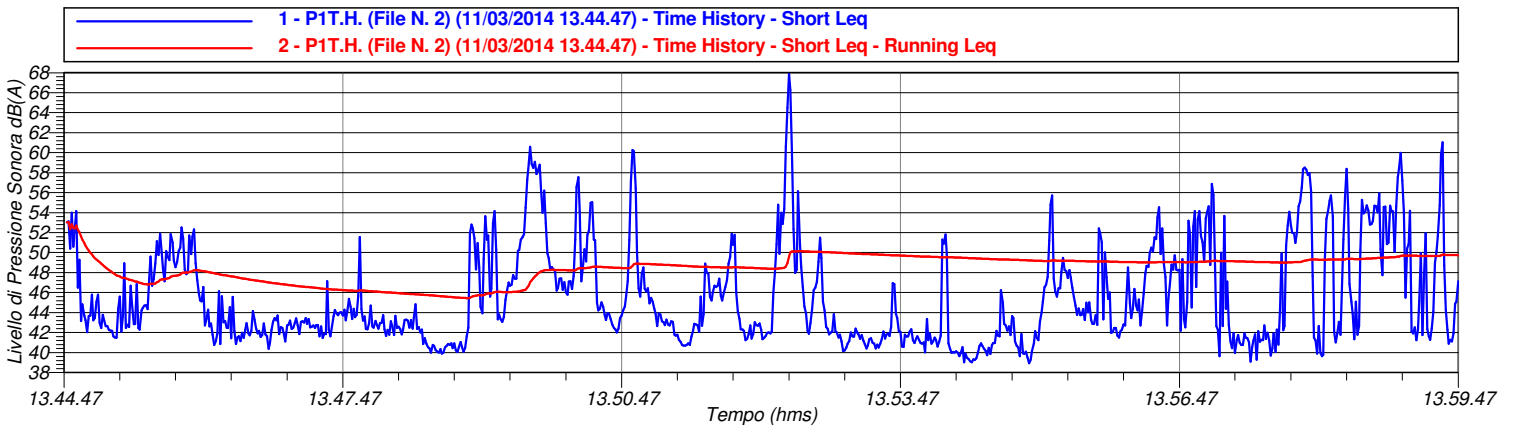
Operatore: Dott. Lorenzo Magni

Strumentazione : Larson-Davis 824

L01: 60.0 dB(A) fast
L10: 53.2 dB(A) fast
L50: 43.6 dB(A) fast
L90: 40.8 dB(A) fast
L95: 40.1 dB(A) fast
L99: 39.3 dB(A) fast

P1T.H. (File N. 2) (11/03/2014 13.44.47)			
Time History - Short Leq			
Nome	Inizio	Durata	Leq
Totale	13.44.49	00:14:59	49.7
Non Mascherato	13.44.49	00:14:59	49.7
Mascherato		00:00:00	0.0

Leq (A) : 49.7 dBA



Spettro Livello Equivalente			
Frequenza	Livello	Frequenza	Livello
12.5	49.5 dB	630	40.3 dB
16	49.9 dB	800	43.5 dB
20	50.6 dB	1000	41.1 dB
25	51.9 dB	1250	40.4 dB
31.5	54.8 dB	1600	38.7 dB
40	53.5 dB	2000	36.4 dB
50	54.1 dB	2500	35.1 dB
63	56.2 dB	3150	33.3 dB
80	51.8 dB	4000	30.2 dB
100	51.2 dB	5000	29.3 dB
125	47.4 dB	6300	28.6 dB
160	41.3 dB	8000	23.2 dB
200	42.0 dB	10000	20.6 dB
250	41.9 dB	12500	17.2 dB
315	42.7 dB	16000	15.6 dB
400	40.4 dB	20000	17.0 dB
500	40.5 dB		

Spettro Livello Minimo			
Frequenza	Livello	Frequenza	Livello
12.5	33.0 dB	630	29.1 dB
16	35.3 dB	800	27.8 dB
20	36.9 dB	1000	27.6 dB
25	37.4 dB	1250	26.6 dB
31.5	39.4 dB	1600	24.2 dB
40	37.8 dB	2000	23.4 dB
50	36.6 dB	2500	23.5 dB
63	32.7 dB	3150	23.2 dB
80	35.6 dB	4000	21.8 dB
100	39.2 dB	5000	19.8 dB
125	30.7 dB	6300	17.8 dB
160	30.3 dB	8000	15.9 dB
200	31.1 dB		
250	30.9 dB		
315	31.1 dB		
400	30.3 dB		
500	29.4 dB		

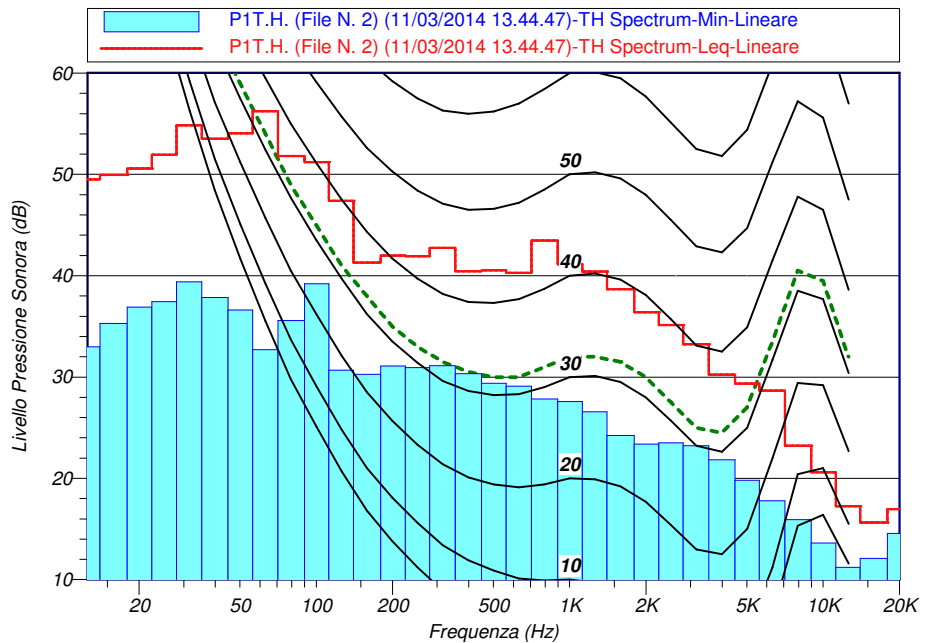


Figura 6 Foto Postazione di Misura P16

