



# COMUNE DI PESCARA

Piazza Italia 1

## REPORT DI MISURA

CLASSIFICAZIONE ACUSTICA DEL TERRITORIO COMUNALE  
L.447/1995 - L.R. 23/2007 - DGR 770/P-2011

Data

STATO DI FATTO

Elaborato N°

**RM**

Rev.0

SETTORE QUALITA' DELL'AMBIENTE

SERVIZIO AMBIENTE E IGIENE URBANA

Adottato con delibera C.C. n. \_\_\_\_\_ del \_\_\_\_\_

Approvato con delibera C.C. n. \_\_\_\_\_ del \_\_\_\_\_

TECNICO COMPETENTE IN ACUSTICA AMBIENTALE

Ing. Andrea DEL BARONE  
(Iscrizione ENTECA n°1158)

VERSIONE:  
rev. 1



STUDIO DI PROGETTAZIONE  
Ing. Andrea Del Barone  
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SCALA

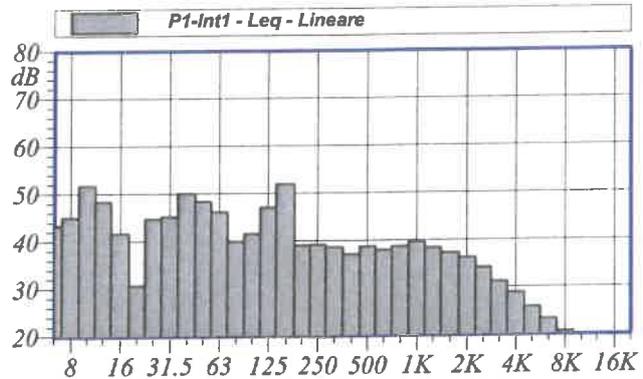
-

**Nome misura:** P1-Int1  
**Località:** Via San Martino - Pescara  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 04/08/2020 11:34:50

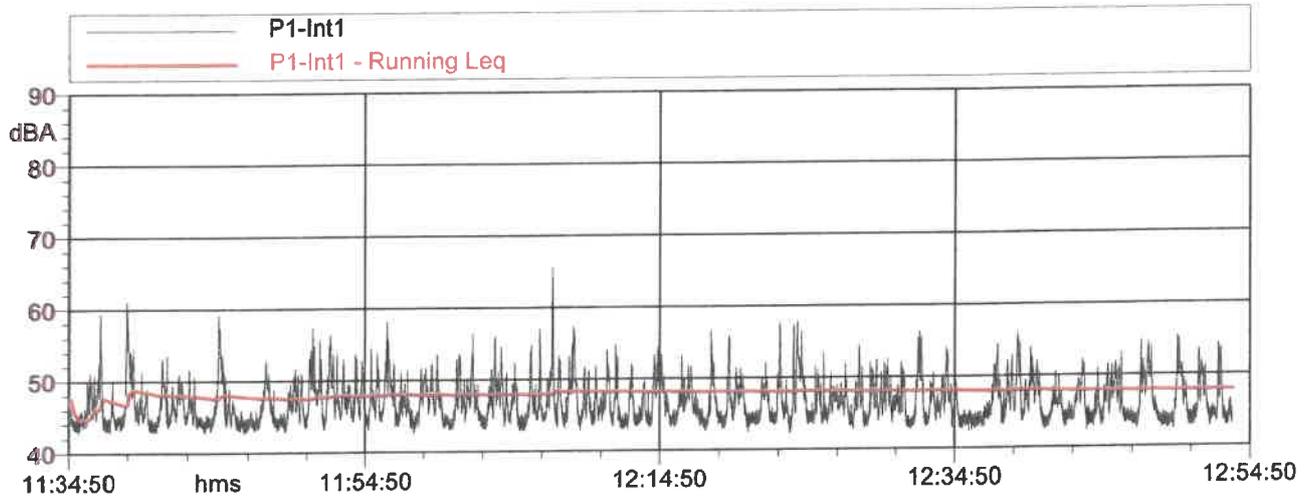
**L1:** 55.2 dBA      **L5:** 52.3 dBA  
**L10:** 50.8 dBA    **L50:** 45.8 dBA  
**L90:** 43.9 dBA    **L99:** 43.2 dBA

**Leq = 48.0 dBA**

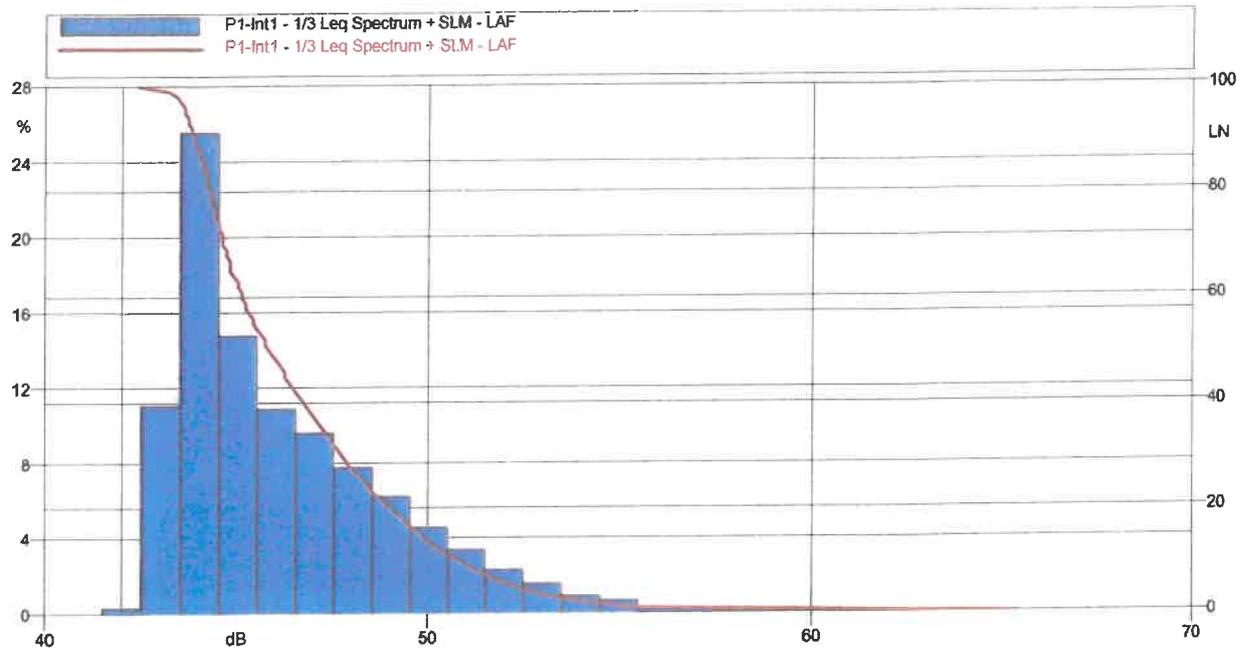
P1-Int1					
Leq - Lineare					
dB		dB		dB	
6.3 Hz	43.3 dB	8 Hz	45.0 dB	10 Hz	51.7 dB
12.5 Hz	48.3 dB	16 Hz	41.6 dB	20 Hz	30.6 dB
25 Hz	44.7 dB	31.5 Hz	45.1 dB	40 Hz	50.1 dB
50 Hz	48.3 dB	63 Hz	46.1 dB	80 Hz	39.9 dB
100 Hz	41.5 dB	125 Hz	47.0 dB	160 Hz	51.9 dB
200 Hz	39.0 dB	250 Hz	39.2 dB	315 Hz	38.6 dB
400 Hz	37.1 dB	500 Hz	38.7 dB	630 Hz	38.0 dB
800 Hz	38.7 dB	1000 Hz	39.6 dB	1250 Hz	38.3 dB
1600 Hz	37.2 dB	2000 Hz	36.2 dB	2500 Hz	34.1 dB
3150 Hz	31.2 dB	4000 Hz	28.8 dB	5000 Hz	25.7 dB
6300 Hz	23.2 dB	8000 Hz	20.6 dB	10000 Hz	17.0 dB



Annotazioni:



P1-Int1					
Nome	Inizio	Durata	Leq	Lmax	Lmin
<i>Totale</i>	11:34:50	01:18:49.400	48.0 dBA	65.6 dBA	42.2 dBA
<i>Non Mascherato</i>	11:34:50	01:18:49.400	48.0 dBA	65.6 dBA	42.2 dBA
<i>Mascherato</i>		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



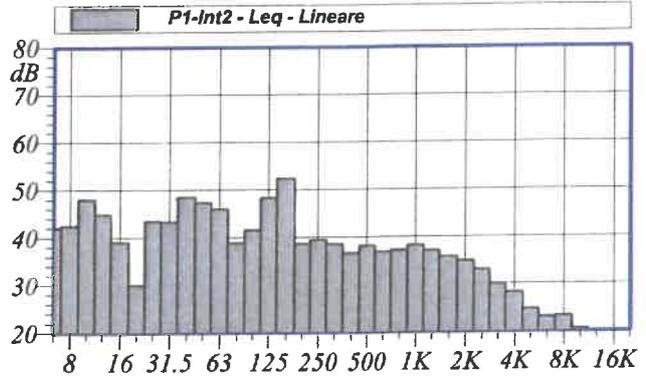
P1-Int1 1/3 Leq Spectrum + SLM - LAF					
dB	%	dB	%	dB	%
42 dB	0.3	43 dB	11.1	44 dB	25.5
45 dB	14.8	46 dB	10.9	47 dB	9.6
48 dB	7.8	49 dB	6.2	50 dB	4.6
51 dB	3.4	52 dB	2.3	53 dB	1.6
54 dB	0.9	55 dB	0.7	56 dB	0.2
57 dB	0.2	58 dB	0.1	59 dB	0.0
60 dB	0.0	61 dB	0.0	62 dB	0.0
63 dB	0.0	64 dB	0.0	65 dB	0.0

**Nome misura:** P1-Int2  
**Località:** Via San Martino- Pescara  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 06/08/2020 16:56:21

P1-Int2 Leq - Lineare					
dB		dB		dB	
6.3 Hz	42.0 dB	8 Hz	42.4 dB	10 Hz	48.0 dB
12.5 Hz	44.8 dB	16 Hz	39.0 dB	20 Hz	29.9 dB
25 Hz	43.4 dB	31.5 Hz	43.3 dB	40 Hz	48.5 dB
50 Hz	47.3 dB	63 Hz	46.0 dB	80 Hz	38.8 dB
100 Hz	41.6 dB	125 Hz	48.3 dB	160 Hz	52.3 dB
200 Hz	38.6 dB	250 Hz	39.4 dB	315 Hz	38.5 dB
400 Hz	36.6 dB	500 Hz	38.1 dB	630 Hz	36.8 dB
800 Hz	37.2 dB	1000 Hz	38.2 dB	1250 Hz	37.0 dB
1600 Hz	35.7 dB	2000 Hz	34.8 dB	2500 Hz	33.0 dB
3150 Hz	29.9 dB	4000 Hz	28.1 dB	5000 Hz	24.6 dB
6300 Hz	22.9 dB	8000 Hz	23.2 dB	10000 Hz	20.4 dB

L1: 55.0 dBA	L5: 51.4 dBA
L10: 49.6 dBA	L50: 44.5 dBA
L90: 43.5 dBA	L99: 42.9 dBA

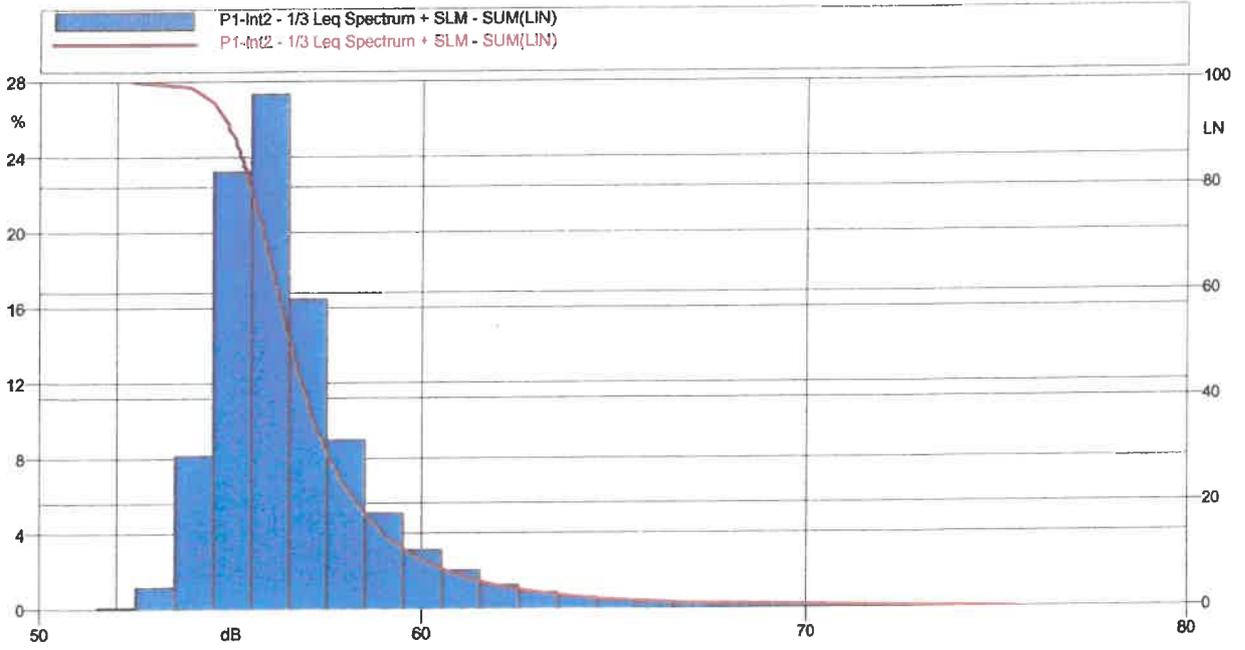
**Leq = 47.2 dBA**



Annotazioni:



P1-Int2 A					
Nome	Inizio	Durata	Leq	Lmax	Lmin
<i>Totale</i>	16:56:21	01:13:30.400	47.2 dBA	66.0 dBA	41.8 dBA
<i>Non Mascherato</i>	16:56:21	01:13:30.400	47.2 dBA	66.0 dBA	41.8 dBA
<i>Mascherato</i>		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



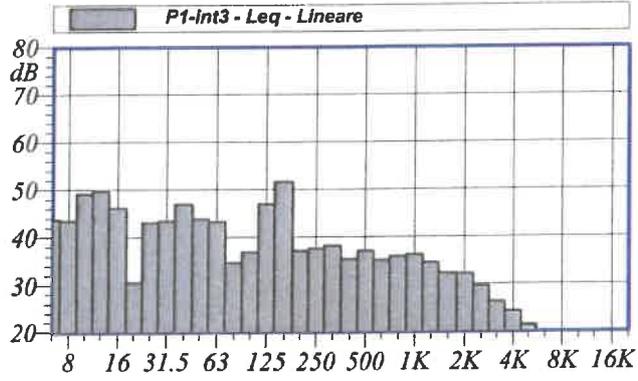
P1-Int2 1/3 Leq Spectrum + SLM - SUM(LIN)					
dB	%	dB	%	dB	%
52 dB	0.1	53 dB	1.2	54 dB	8.2
55 dB	23.2	56 dB	27.3	57 dB	16.5
58 dB	9.0	59 dB	5.1	60 dB	3.1
61 dB	2.0	62 dB	1.2	63 dB	0.9
64 dB	0.6	65 dB	0.4	66 dB	0.3
67 dB	0.2	68 dB	0.2	69 dB	0.2
70 dB	0.1	71 dB	0.1	72 dB	0.1
73 dB	0.0	74 dB	0.0	75 dB	0.0

**Nome misura:** P1-int3  
**Località:** Via San Martino - Pescara  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 06/08/2020 23:47:43

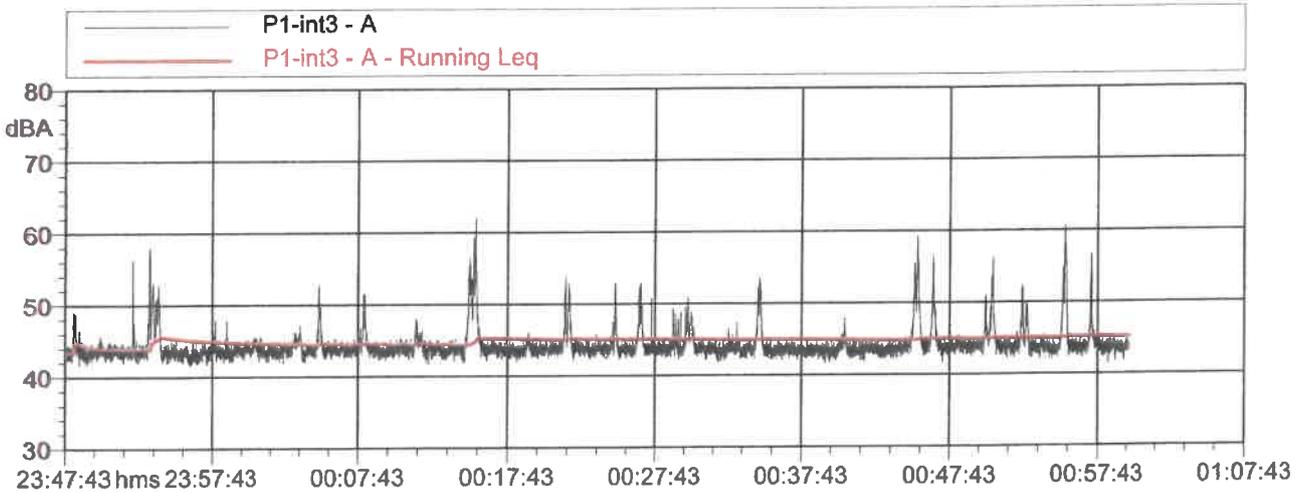
P1-int3 Leq - Lineare					
dB		dB		dB	
6.3 Hz	43.7 dB	8 Hz	43.4 dB	10 Hz	49.1 dB
12.5 Hz	49.7 dB	16 Hz	48.1 dB	20 Hz	30.4 dB
25 Hz	43.1 dB	31.5 Hz	43.4 dB	40 Hz	46.9 dB
50 Hz	43.9 dB	63 Hz	43.3 dB	80 Hz	34.5 dB
100 Hz	36.8 dB	125 Hz	46.9 dB	160 Hz	51.6 dB
200 Hz	37.0 dB	250 Hz	37.5 dB	315 Hz	38.1 dB
400 Hz	35.3 dB	500 Hz	37.1 dB	630 Hz	35.0 dB
800 Hz	35.8 dB	1000 Hz	36.2 dB	1250 Hz	34.5 dB
1600 Hz	32.3 dB	2000 Hz	32.2 dB	2500 Hz	29.6 dB
3150 Hz	26.3 dB	4000 Hz	24.2 dB	5000 Hz	21.3 dB
6300 Hz	19.6 dB	8000 Hz	16.9 dB	10000 Hz	11.4 dB

**L1:** 53.7 dBA      **L5:** 48.4 dBA  
**L10:** 45.5 dBA    **L50:** 43.6 dBA  
**L90:** 42.9 dBA    **L99:** 42.3 dBA

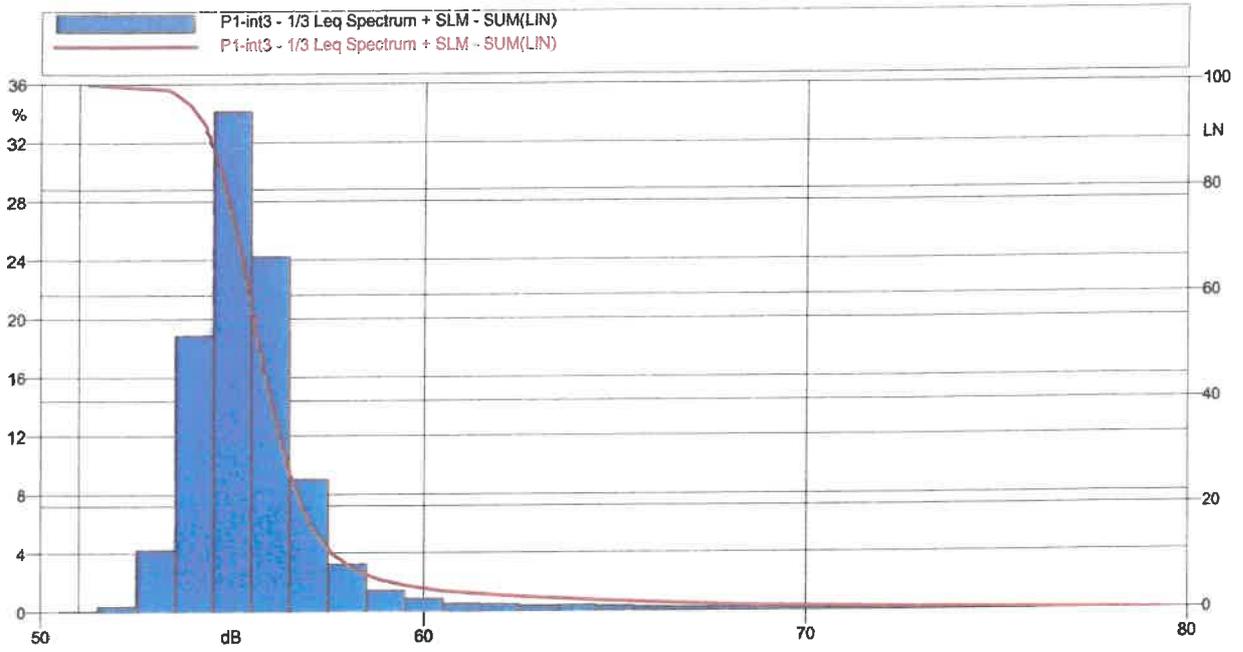
**Leq = 45.3 dBA**



Annotazioni:



P1-int3 A					
Nome	Inizio	Durata	Leq	Lmax	Lmin
<i>Totale</i>	23:47:43	01:12:11.400	45.3 dBA	62.1 dBA	41.4 dBA
<i>Non Mascherato</i>	23:47:43	01:12:11.400	45.3 dBA	62.1 dBA	41.4 dBA
<i>Mascherato</i>		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



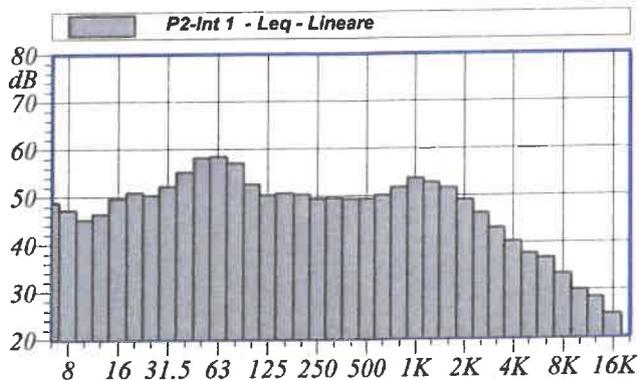
P1-int3 1/3 Leq Spectrum + SLM - SUM(LIN)					
dB	%	dB	%	dB	%
51 dB	0.0	52 dB	0.3	53 dB	4.2
54 dB	18.9	55 dB	34.1	56 dB	24.2
57 dB	9.0	58 dB	3.2	59 dB	1.4
60 dB	0.9	61 dB	0.5	62 dB	0.5
63 dB	0.3	64 dB	0.4	65 dB	0.3
66 dB	0.2	67 dB	0.2	68 dB	0.2
69 dB	0.2	70 dB	0.2	71 dB	0.1
72 dB	0.1	73 dB	0.1	74 dB	0.1
75 dB	0.1	76 dB	0.0	77 dB	0.0
78 dB	0.0	79 dB	0.0		

**Nome misura:** P2-Int 1  
**Località:** Viale Kennedy Pe  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 05/08/2021 11:09:17

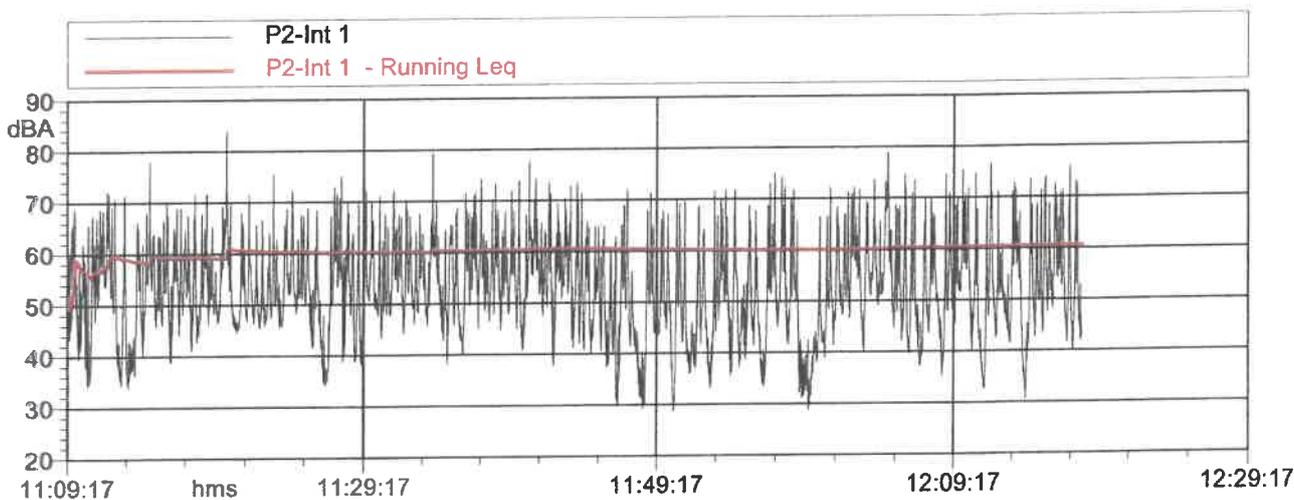
P2-Int 1					
Leq - Lineare					
dB		dB		dB	
6.3 Hz	48.8 dB	8 Hz	47.2 dB	10 Hz	45.2 dB
12.5 Hz	46.4 dB	16 Hz	49.6 dB	20 Hz	50.9 dB
25 Hz	50.3 dB	31.5 Hz	52.2 dB	40 Hz	55.1 dB
50 Hz	58.2 dB	63 Hz	58.4 dB	80 Hz	57.1 dB
100 Hz	52.6 dB	125 Hz	50.3 dB	160 Hz	50.6 dB
200 Hz	50.4 dB	250 Hz	49.4 dB	315 Hz	49.6 dB
400 Hz	49.4 dB	500 Hz	49.5 dB	630 Hz	50.2 dB
800 Hz	51.8 dB	1000 Hz	53.7 dB	1250 Hz	52.8 dB
1600 Hz	51.6 dB	2000 Hz	49.1 dB	2500 Hz	48.3 dB
3150 Hz	43.2 dB	4000 Hz	40.3 dB	5000 Hz	37.7 dB
6300 Hz	36.7 dB	8000 Hz	33.4 dB	10000 Hz	29.9 dB

**L1:** 77.0 dBA      **L5:** 72.3 dBA  
**L10:** 69.6 dBA    **L50:** 59.6 dBA  
**L90:** 50.2 dBA    **L99:** 44.6 dBA

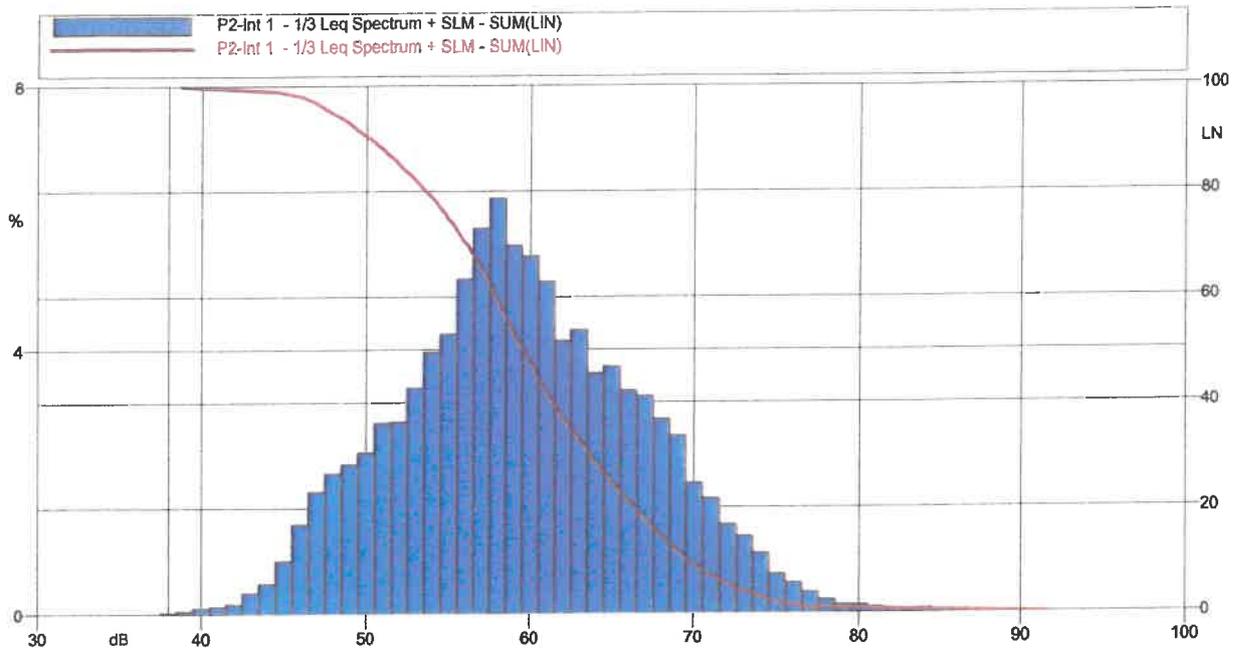
**Leq = 60.7 dBA**



Annotazioni:



P2-Int 1					
Nome	Inizio	Durata	Leq	Lmax	Lmin
<b>Totale</b>	11:09:17	01:08:47.200	60.7 dBA	84.0 dBA	28.7 dBA
<b>Non Mascherato</b>	11:09:17	01:08:47.200	60.7 dBA	84.0 dBA	28.7 dBA
<b>Mascherato</b>		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



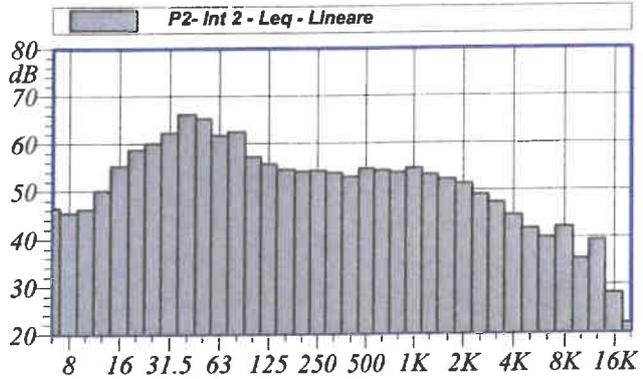
P2-Int 1 1/3 Leq Spectrum + SLM - SUM(LIN)					
dB	%	dB	%	dB	%
38 dB	0.0	39 dB	0.0	40 dB	0.1
41 dB	0.1	42 dB	0.1	43 dB	0.3
44 dB	0.5	45 dB	0.8	46 dB	1.4
47 dB	1.8	48 dB	2.1	49 dB	2.3
50 dB	2.4	51 dB	2.9	52 dB	2.9
53 dB	3.4	54 dB	4.0	55 dB	4.2
56 dB	5.1	57 dB	5.8	58 dB	6.3
59 dB	5.6	60 dB	5.4	61 dB	5.0
62 dB	4.1	63 dB	4.3	64 dB	3.6
65 dB	3.7	66 dB	3.4	67 dB	3.3
68 dB	2.9	69 dB	2.7	70 dB	2.0
71 dB	1.7	72 dB	1.3	73 dB	1.2

**Nome misura:** P2- Int 2  
**Località:** Viale Kennedy Pe  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 05/08/2021 16:29:36

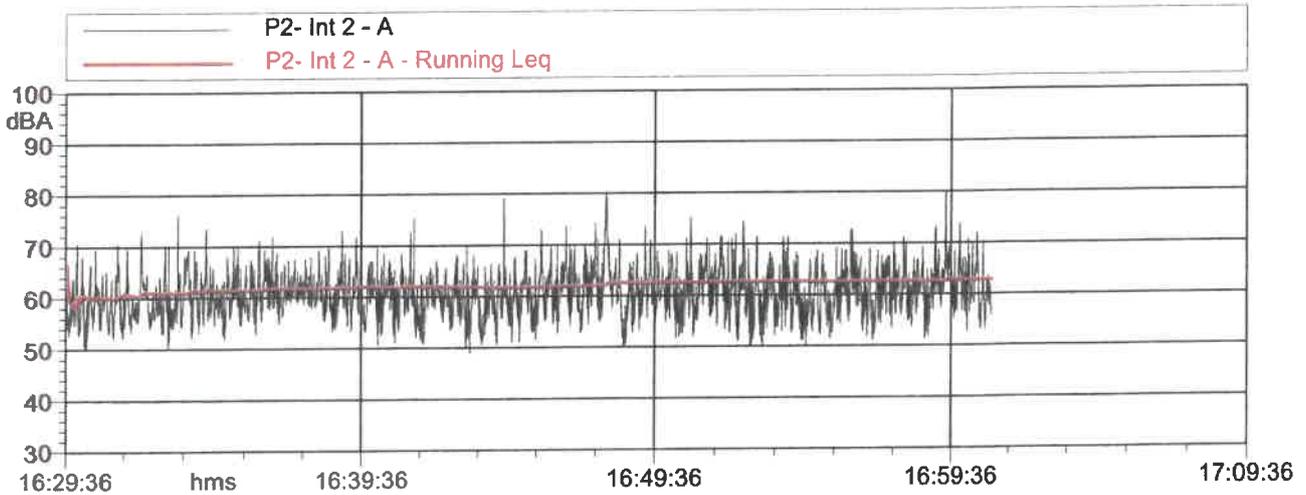
P2- Int 2 Leq - Lineare					
dB		dB		dB	
6.3 Hz	46.4 dB	8 Hz	45.4 dB	10 Hz	46.2 dB
12.5 Hz	50.0 dB	16 Hz	55.3 dB	20 Hz	58.7 dB
25 Hz	60.0 dB	31.5 Hz	62.3 dB	40 Hz	66.1 dB
50 Hz	65.2 dB	63 Hz	61.7 dB	80 Hz	62.4 dB
100 Hz	57.2 dB	125 Hz	55.7 dB	160 Hz	54.5 dB
200 Hz	54.1 dB	250 Hz	54.3 dB	315 Hz	53.8 dB
400 Hz	53.0 dB	500 Hz	54.6 dB	630 Hz	54.3 dB
800 Hz	53.8 dB	1000 Hz	54.7 dB	1250 Hz	53.3 dB
1600 Hz	52.4 dB	2000 Hz	51.5 dB	2500 Hz	49.1 dB
3150 Hz	47.5 dB	4000 Hz	44.7 dB	5000 Hz	41.8 dB
6300 Hz	40.0 dB	8000 Hz	42.2 dB	10000 Hz	35.5 dB

**L1:** 82.6 dBA      **L5:** 77.2 dBA  
**L10:** 75.0 dBA    **L50:** 69.1 dBA  
**L90:** 64.8 dBA    **L99:** 62.3 dBA

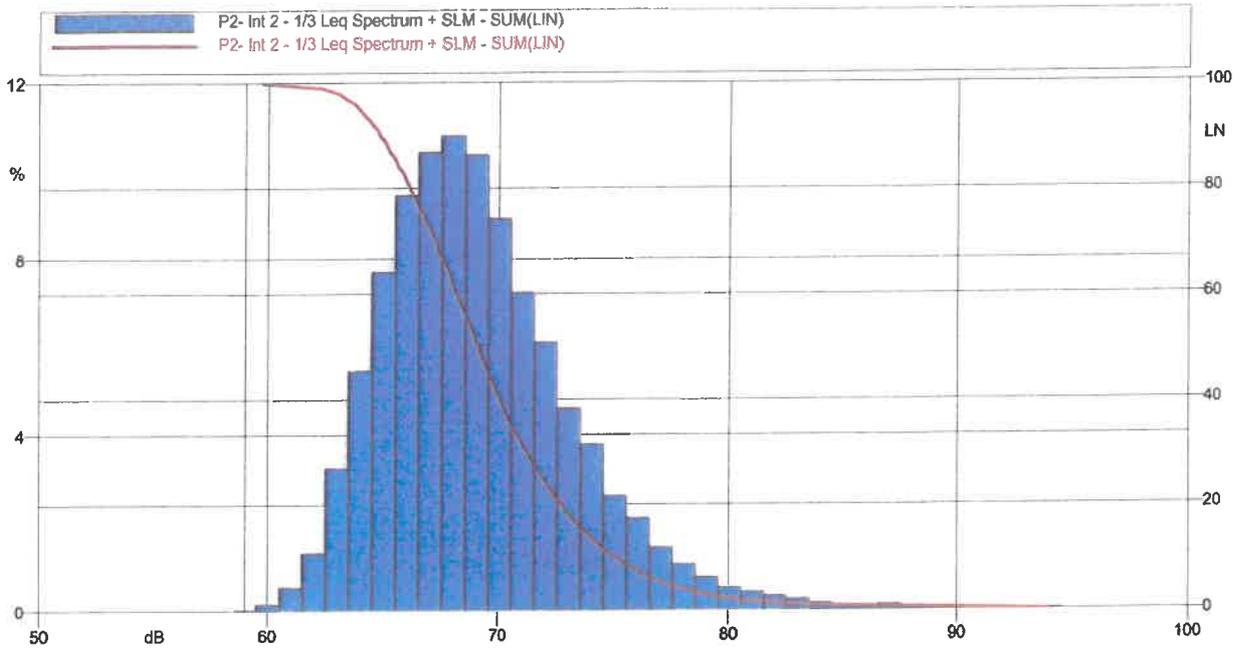
**Leq = 62.9 dBA**



Annotazioni:



P2- Int 2 A					
Nome	Inizio	Durata	Leq	Lmax	Lmin
<b>Totale</b>	16:29:36	00:31:23.800	62.9 dBA	80.0 dBA	48.9 dBA
<b>Non Mascherato</b>	16:29:36	00:31:23.800	62.9 dBA	80.0 dBA	48.9 dBA
<b>Mascherato</b>		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



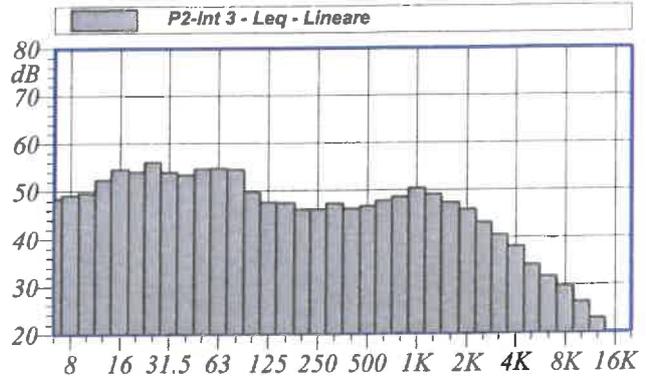
P2- Int 2 1/3 Leq Spectrum + SLM - SUM(LIN)					
dB	%	dB	%	dB	%
59 dB	0.0	60 dB	0.1	61 dB	0.5
62 dB	1.3	63 dB	3.2	64 dB	5.4
65 dB	7.7	66 dB	9.4	67 dB	10.4
68 dB	10.8	69 dB	10.4	70 dB	8.9
71 dB	7.2	72 dB	6.1	73 dB	4.6
74 dB	3.8	75 dB	2.6	76 dB	2.1
77 dB	1.4	78 dB	1.0	79 dB	0.7
80 dB	0.5	81 dB	0.4	82 dB	0.3
83 dB	0.2	84 dB	0.1	85 dB	0.1
86 dB	0.1	87 dB	0.1	88 dB	0.1
89 dB	0.0	90 dB	0.0	91 dB	0.0
92 dB	0.0	93 dB	0.0	94 dB	0.0

Nome misura: P2-Int 3  
 Località: Viale Kennedy-Pe  
 Strumentazione: 831 0001794  
 Data, ora misura: 05/08/2021 23:41:10

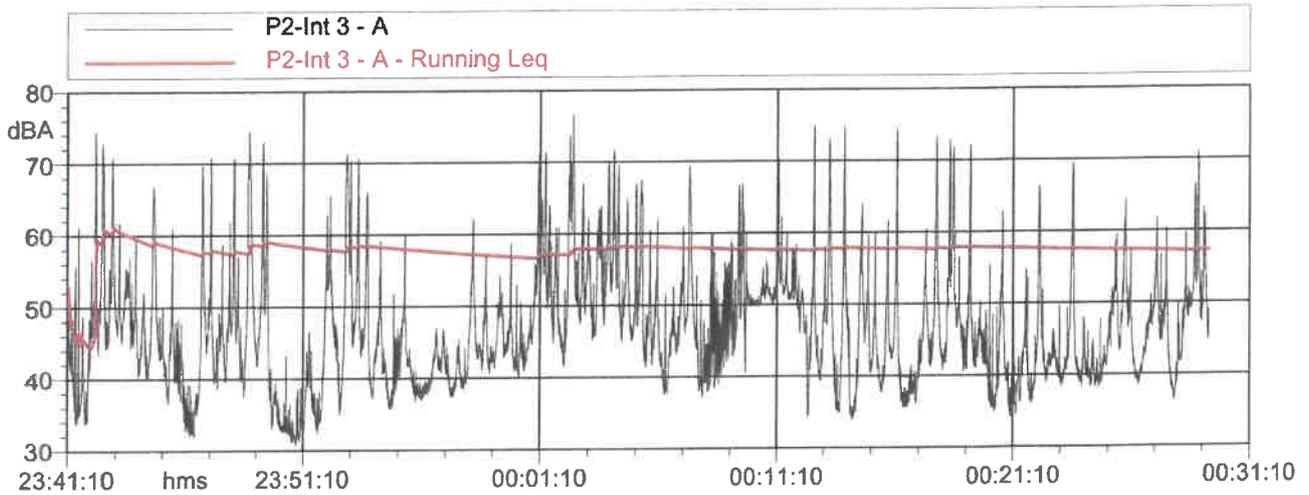
P2-Int 3 Leq - Lineare					
dB		dB		dB	
6.3 Hz	48.4 dB	8 Hz	49.0 dB	10 Hz	49.5 dB
12.5 Hz	52.3 dB	16 Hz	54.5 dB	20 Hz	53.9 dB
25 Hz	56.0 dB	31.5 Hz	53.8 dB	40 Hz	53.4 dB
50 Hz	54.6 dB	63 Hz	54.7 dB	80 Hz	54.4 dB
100 Hz	49.7 dB	125 Hz	47.5 dB	160 Hz	47.4 dB
200 Hz	46.0 dB	250 Hz	46.0 dB	315 Hz	47.3 dB
400 Hz	46.1 dB	500 Hz	46.7 dB	630 Hz	47.8 dB
800 Hz	48.6 dB	1000 Hz	50.4 dB	1250 Hz	49.1 dB
1600 Hz	47.4 dB	2000 Hz	45.9 dB	2500 Hz	43.1 dB
3150 Hz	40.6 dB	4000 Hz	38.1 dB	5000 Hz	34.2 dB
6300 Hz	31.7 dB	8000 Hz	29.7 dB	10000 Hz	26.3 dB

L1: 70.7 dBA	L5: 64.0 dBA
L10: 57.0 dBA	L50: 45.4 dBA
L90: 37.5 dBA	L99: 32.6 dBA

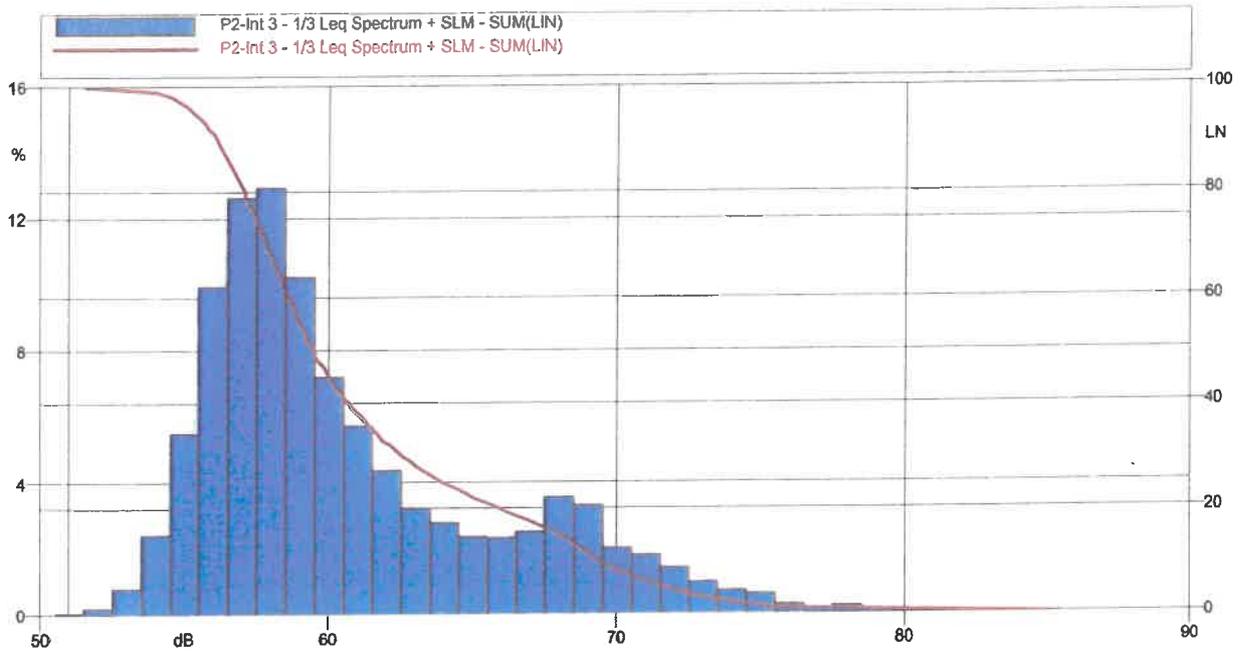
**Leq = 57.4 dBA**



Annotazioni:



P2-Int 3 A					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	23:41:10	00:48:16.200	57.4 dBA	76.7 dBA	30.7 dBA
Non Mascherato	23:41:10	00:48:16.200	57.4 dBA	76.7 dBA	30.7 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



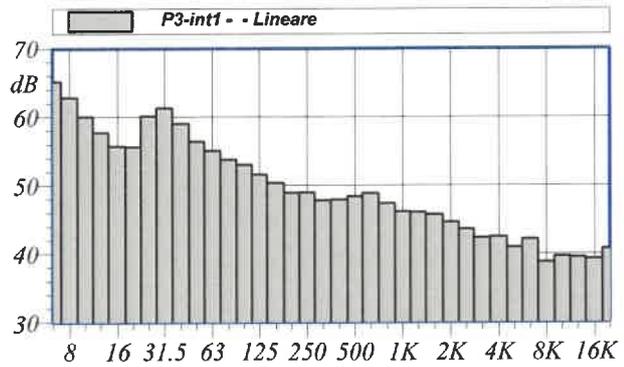
P2-Int 3 1/3 Leq Spectrum + SLM - SUM(LIN)					
dB	%	dB	%	dB	%
51 dB	0.0	52 dB	0.2	53 dB	0.8
54 dB	2.4	55 dB	5.5	56 dB	9.9
57 dB	12.6	58 dB	12.9	59 dB	10.2
60 dB	7.2	61 dB	5.7	62 dB	4.4
63 dB	3.2	64 dB	2.8	65 dB	2.3
66 dB	2.3	67 dB	2.5	68 dB	3.5
69 dB	3.3	70 dB	2.0	71 dB	1.8
72 dB	1.4	73 dB	1.0	74 dB	0.7
75 dB	0.6	76 dB	0.3	77 dB	0.2
78 dB	0.2	79 dB	0.1	80 dB	0.0
81 dB	0.0	82 dB	0.0	83 dB	0.0
84 dB	0.0	85 dB	0.0		

**Nome misura:** P3-int1  
**Località:** Piazza Muzii  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3653.4  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 11:17:00  
**Over SLM:** 0    **Over OBA:** 0

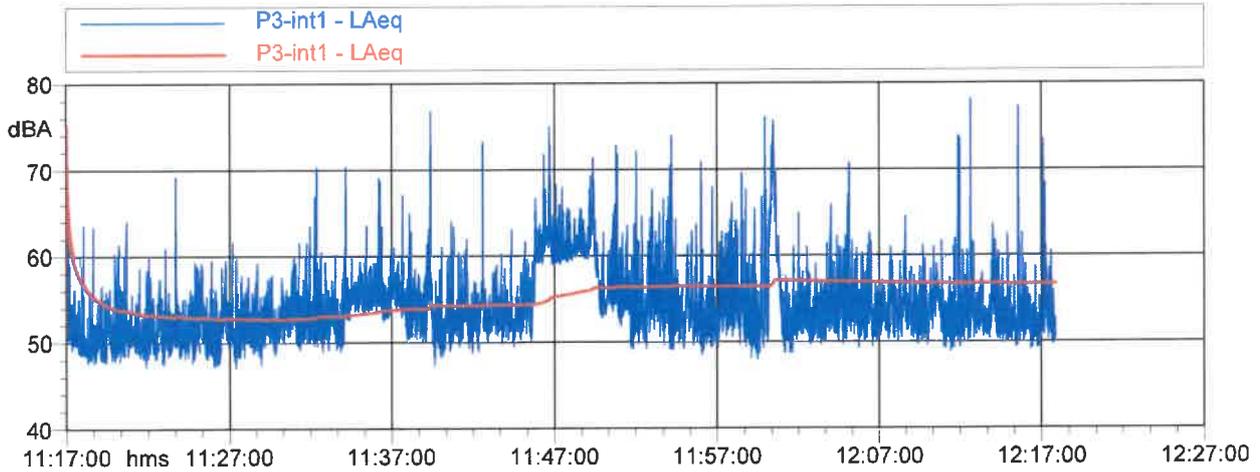
P3-int1 - Lineare					
dB		dB		dB	
6.3 Hz	65.1 dB	100 Hz	53.0 dB	1600 Hz	45.8 dB
8 Hz	62.8 dB	125 Hz	51.5 dB	2000 Hz	44.6 dB
10 Hz	60.0 dB	160 Hz	50.4 dB	2500 Hz	43.6 dB
12.5 Hz	57.7 dB	200 Hz	48.9 dB	3150 Hz	42.3 dB
16 Hz	55.7 dB	250 Hz	49.0 dB	4000 Hz	42.5 dB
20 Hz	55.6 dB	315 Hz	47.8 dB	5000 Hz	40.9 dB
25 Hz	60.1 dB	400 Hz	47.9 dB	6300 Hz	42.2 dB
31.5 Hz	61.3 dB	500 Hz	48.4 dB	8000 Hz	38.8 dB
40 Hz	59.0 dB	630 Hz	48.9 dB	10000 Hz	39.6 dB
50 Hz	56.4 dB	800 Hz	47.4 dB	12500 Hz	39.5 dB
63 Hz	55.1 dB	1000 Hz	46.2 dB	16000 Hz	39.3 dB
80 Hz	53.8 dB	1250 Hz	46.1 dB	20000 Hz	40.8 dB

L1: 60.8 dBA	L5: 54.2 dBA
L10: 51.7 dBA	L50: 46.6 dBA
L90: 43.3 dBA	L95: 42.3 dBA

**$L_{Aeq} = 56.7 \text{ dB}$**



Annotazioni:



P3-int1 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	11:17:00	01:00:53.400	56.7 dBA	79.9 dBA	47.0 dBA
Non Mascherato	11:17:00	01:00:53.400	56.7 dBA	79.9 dBA	47.0 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

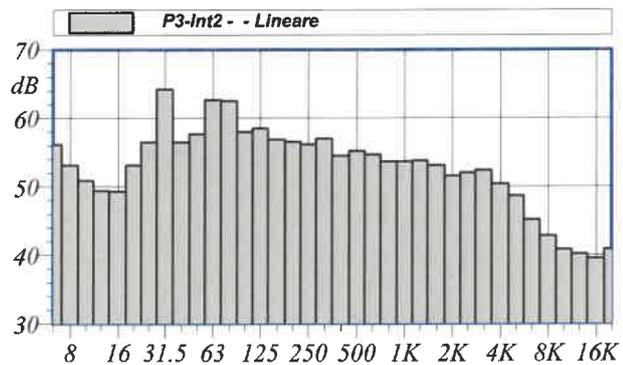


**Nome misura:** P3-Int2  
**Località:** Piazza Muzii  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3608.4  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 15:24:58  
**Over SLM:** 0    **Over OBA:** 0

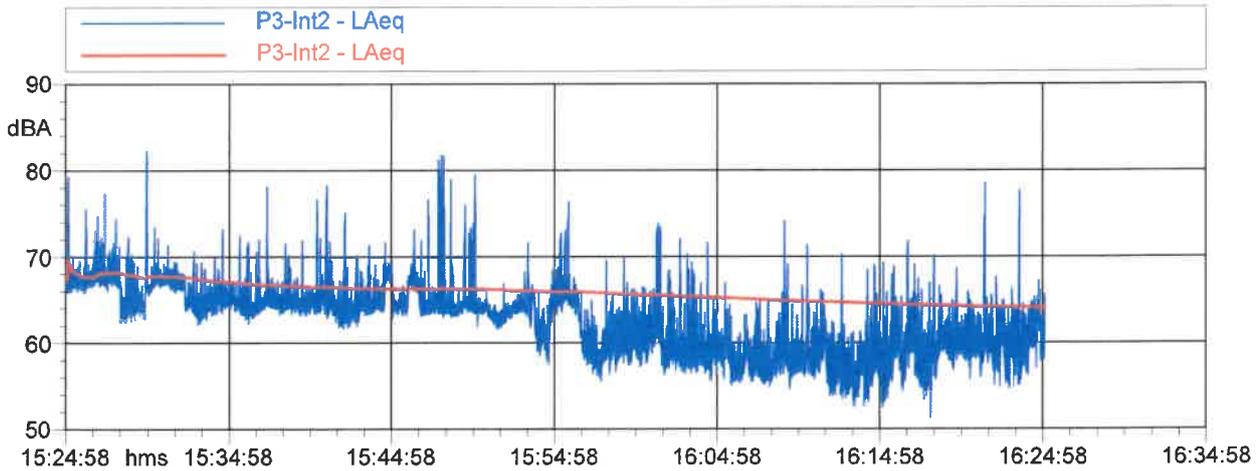
L1: 64.3 dBA      L5: 61.8 dBA  
 L10: 60.4 dBA    L50: 54.3 dBA  
 L90: 47.8 dBA    L95: 46.8 dBA

**$L_{Aeq} = 64.1 \text{ dB}$**

P3-Int2 - Lineare					
dB		dB		dB	
6.3 Hz	56.1 dB	100 Hz	58.0 dB	1600 Hz	53.1 dB
8 Hz	53.1 dB	125 Hz	58.5 dB	2000 Hz	51.5 dB
10 Hz	50.9 dB	160 Hz	56.9 dB	2500 Hz	52.1 dB
12.5 Hz	49.4 dB	200 Hz	56.5 dB	3150 Hz	52.4 dB
16 Hz	49.3 dB	250 Hz	56.2 dB	4000 Hz	50.4 dB
20 Hz	53.1 dB	315 Hz	57.0 dB	5000 Hz	48.7 dB
25 Hz	56.4 dB	400 Hz	54.5 dB	6300 Hz	45.2 dB
31.5 Hz	64.2 dB	500 Hz	55.2 dB	8000 Hz	42.8 dB
40 Hz	56.4 dB	630 Hz	54.7 dB	10000 Hz	40.8 dB
50 Hz	57.7 dB	800 Hz	53.7 dB	12500 Hz	40.2 dB
63 Hz	62.7 dB	1000 Hz	53.6 dB	16000 Hz	39.5 dB
80 Hz	62.5 dB	1250 Hz	53.8 dB	20000 Hz	40.9 dB



Annotazioni:



P3-Int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	15:24:58	01:00:08.400	64.1 dBA	82.3 dBA	51.5 dBA
Non Mascherato	15:24:58	01:00:08.400	64.1 dBA	82.3 dBA	51.5 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

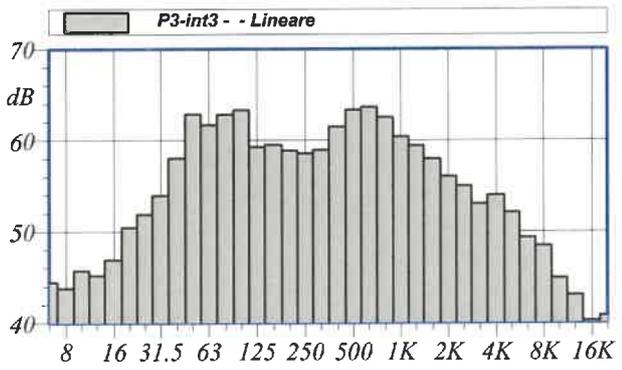


**Nome misura:** P3-int3  
**Località:** Piazza Muzii  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3435.2  
**Nome operatore:** Ing. andrea Del Barone  
**Data, ora misura:** 29/06/2021 22:05:35  
**Over SLM:** 0    **Over OBA:** 0

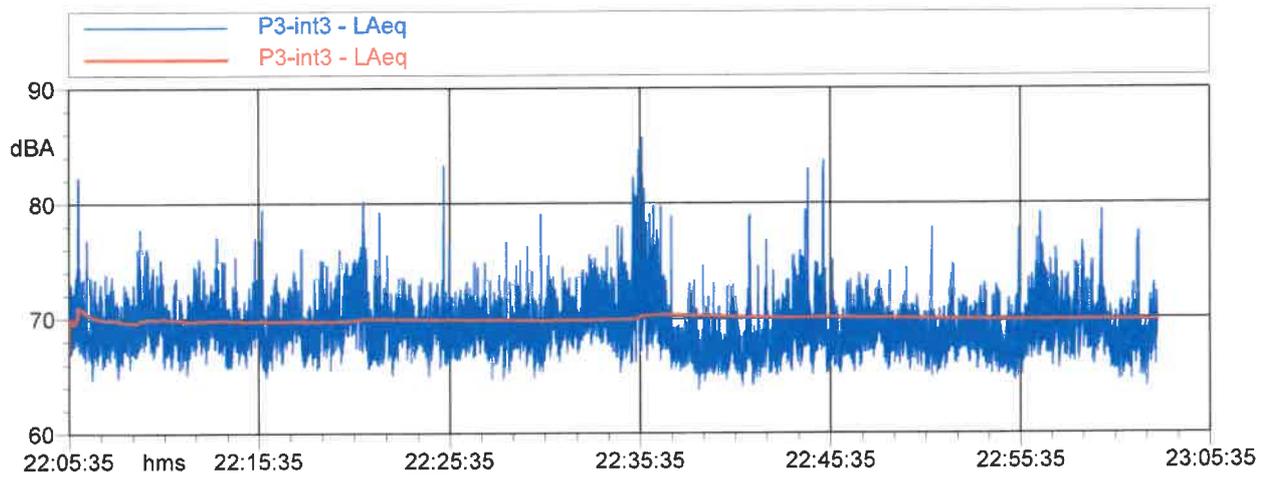
L1: 66.0 dBA	L5: 62.9 dBA
L10: 61.7 dBA	L50: 58.6 dBA
L90: 55.6 dBA	L95: 54.7 dBA

**$L_{Aeq} = 69.8 \text{ dB}$**

P3-int3 - Lineare					
	dB		dB		dB
6.3 Hz	44.4 dB	100 Hz	63.3 dB	1600 Hz	58.0 dB
8 Hz	43.8 dB	125 Hz	59.2 dB	2000 Hz	56.0 dB
10 Hz	45.7 dB	160 Hz	59.5 dB	2500 Hz	55.0 dB
12.5 Hz	45.2 dB	200 Hz	58.9 dB	3150 Hz	53.0 dB
16 Hz	46.9 dB	250 Hz	58.6 dB	4000 Hz	54.0 dB
20 Hz	50.5 dB	315 Hz	58.9 dB	5000 Hz	52.1 dB
25 Hz	51.9 dB	400 Hz	61.5 dB	6300 Hz	49.3 dB
31.5 Hz	53.9 dB	500 Hz	63.3 dB	8000 Hz	48.4 dB
40 Hz	58.0 dB	630 Hz	63.6 dB	10000 Hz	44.9 dB
50 Hz	62.8 dB	800 Hz	62.5 dB	12500 Hz	43.0 dB
63 Hz	61.6 dB	1000 Hz	60.4 dB	16000 Hz	40.2 dB
80 Hz	62.8 dB	1250 Hz	59.4 dB	20000 Hz	40.8 dB



Annotazioni:



P3-int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	22:05:35	00:57:15.200	69.8 dBA	85.7 dBA	63.8 dBA
Non Mascherato	22:05:35	00:57:15.200	69.8 dBA	85.7 dBA	63.8 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

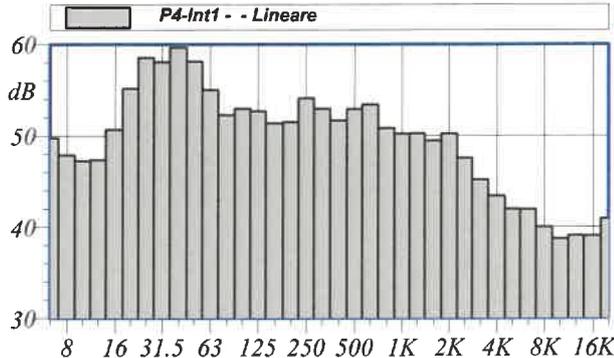


**Nome misura:** P4-Int1  
**Località:** Via Firenze  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3600.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 12:31:05  
**Over SLM:** 0    **Over OBA:** 0

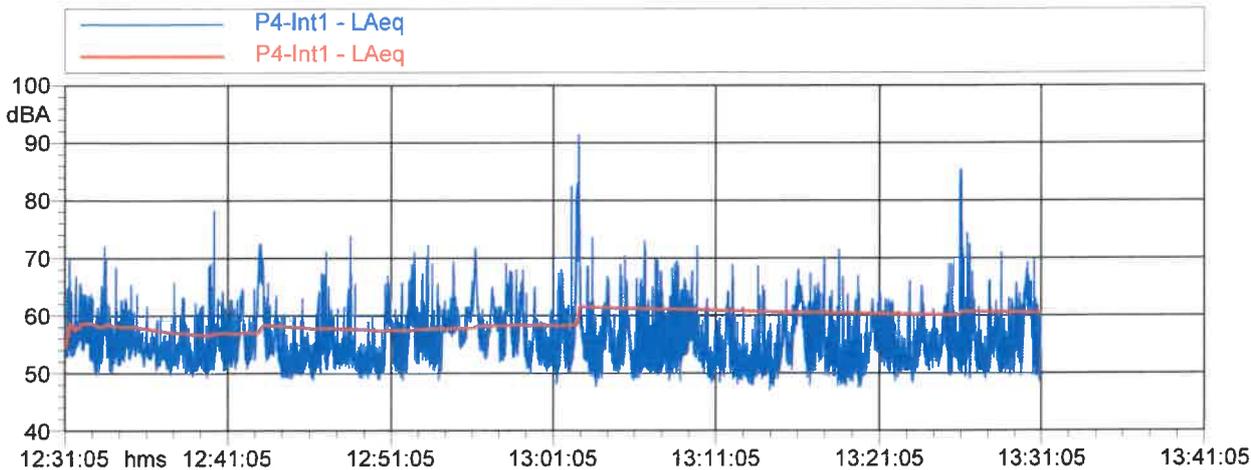
L1: 61.0 dBA      L5: 55.9 dBA  
 L10: 53.4 dBA    L50: 47.6 dBA  
 L90: 43.8 dBA    L95: 42.8 dBA

**$L_{Aeq} = 60.6 \text{ dB}$**

P4-Int1 - Lineare					
dB		dB		dB	
6.3 Hz	49.7 dB	100 Hz	53.0 dB	1600 Hz	49.4 dB
8 Hz	47.9 dB	125 Hz	52.7 dB	2000 Hz	50.2 dB
10 Hz	47.2 dB	160 Hz	51.3 dB	2500 Hz	47.5 dB
12.5 Hz	47.3 dB	200 Hz	51.5 dB	3150 Hz	45.2 dB
16 Hz	50.7 dB	250 Hz	54.1 dB	4000 Hz	43.4 dB
20 Hz	55.1 dB	315 Hz	53.0 dB	5000 Hz	42.0 dB
25 Hz	58.5 dB	400 Hz	51.6 dB	6300 Hz	41.9 dB
31.5 Hz	58.0 dB	500 Hz	52.9 dB	8000 Hz	40.0 dB
40 Hz	59.6 dB	630 Hz	53.4 dB	10000 Hz	38.7 dB
50 Hz	58.1 dB	800 Hz	50.8 dB	12500 Hz	39.0 dB
63 Hz	55.0 dB	1000 Hz	50.2 dB	16000 Hz	39.0 dB
80 Hz	52.2 dB	1250 Hz	50.2 dB	20000 Hz	40.9 dB



Annotazioni:



P4-Int1 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	12:31:05	01:00:00.200	60.6 dBA	91.5 dBA	47.0 dBA
Non Mascherato	12:31:05	01:00:00.200	60.6 dBA	91.5 dBA	47.0 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

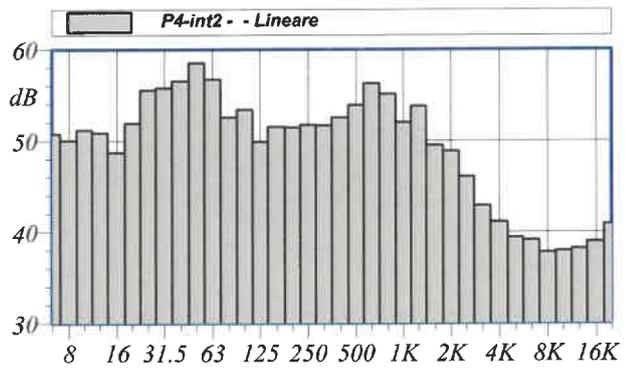


**Nome misura:** P4-int2  
**Località:** Via Firenze  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3601.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 16:36:05  
**Over SLM:** 0      **Over OBA:** 0

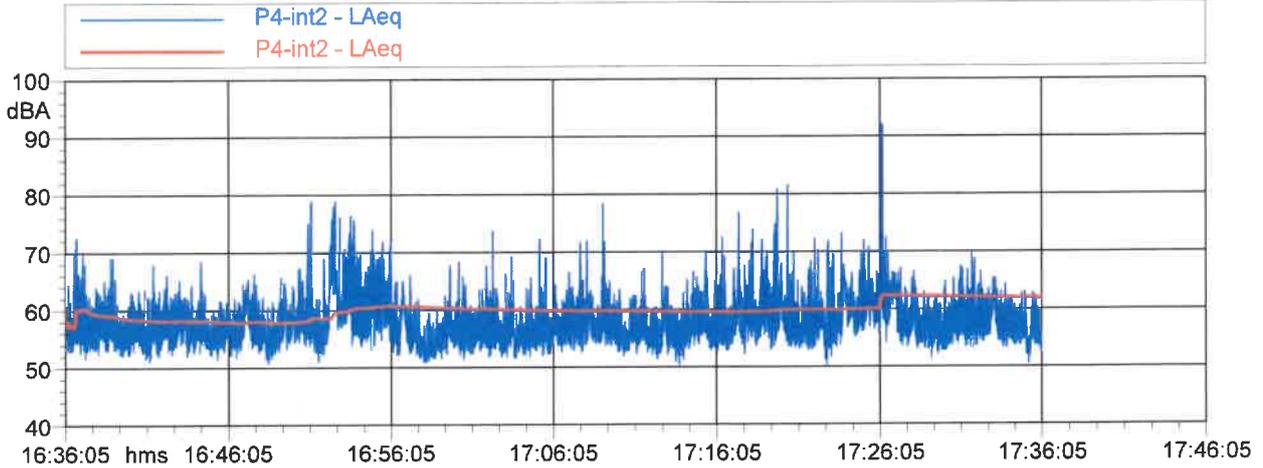
L1: 58.4 dBA      L5: 55.6 dBA  
 L10: 54.2 dBA      L50: 49.8 dBA  
 L90: 46.3 dBA      L95: 45.5 dBA

**L<sub>Aeq</sub> = 61.9 dBA**

P4-int2 - Lineare					
dB		dB		dB	
6.3 Hz	50.7 dB	100 Hz	53.4 dB	1600 Hz	49.5 dB
8 Hz	50.0 dB	125 Hz	49.9 dB	2000 Hz	48.8 dB
10 Hz	51.2 dB	160 Hz	51.5 dB	2500 Hz	46.0 dB
12.5 Hz	50.9 dB	200 Hz	51.4 dB	3150 Hz	42.9 dB
16 Hz	48.7 dB	250 Hz	51.7 dB	4000 Hz	41.1 dB
20 Hz	51.9 dB	315 Hz	51.6 dB	5000 Hz	39.4 dB
25 Hz	55.5 dB	400 Hz	52.5 dB	6300 Hz	39.1 dB
31.5 Hz	55.8 dB	500 Hz	53.9 dB	8000 Hz	37.7 dB
40 Hz	56.5 dB	630 Hz	56.2 dB	10000 Hz	38.0 dB
50 Hz	58.5 dB	800 Hz	55.1 dB	12500 Hz	38.2 dB
63 Hz	56.7 dB	1000 Hz	52.0 dB	16000 Hz	39.0 dB
80 Hz	52.6 dB	1250 Hz	53.8 dB	20000 Hz	40.9 dB



Annotazioni:



P4-int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	16:36:05	01:00:01.200	61.9 dBA	92.6 dBA	50.0 dBA
Non Mascherato	16:36:05	01:00:01.200	61.9 dBA	92.6 dBA	50.0 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

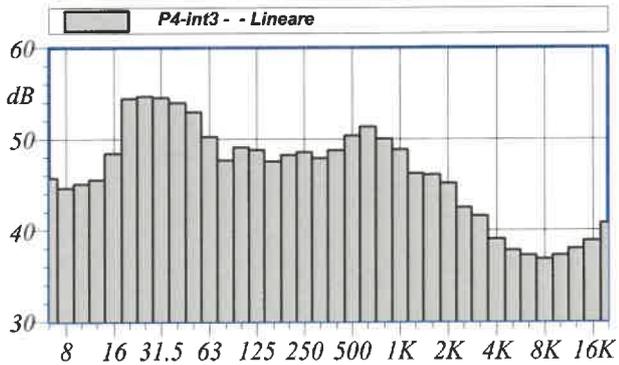


**Nome misura:** P4-int3  
**Località:** Via Firenze  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3635.0  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 23:26:01  
**Over SLM:** 0    **Over OBA:** 0

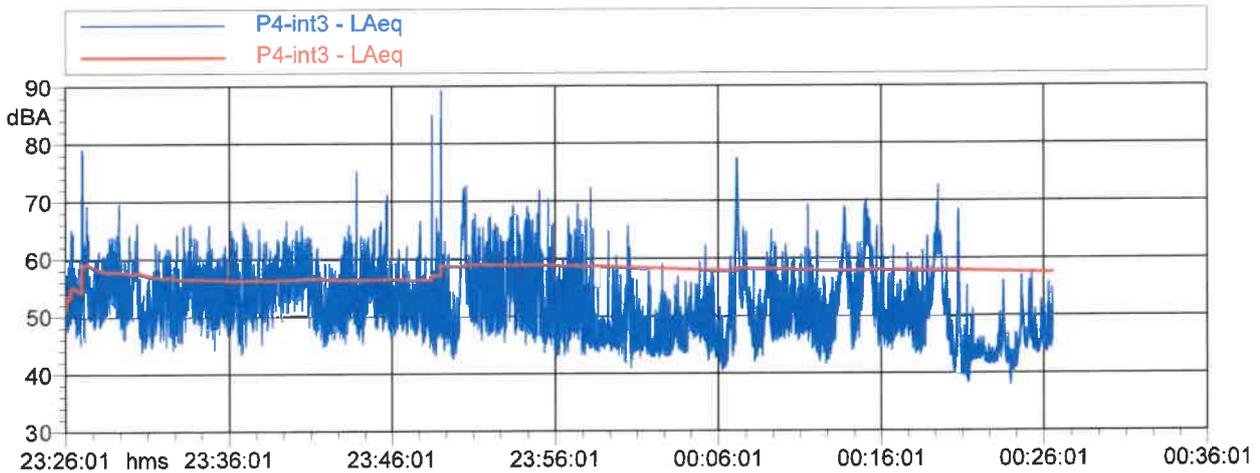
L1: 57.8 dBA      L5: 52.2 dBA  
 L10: 50.0 dBA    L50: 42.7 dBA  
 L90: 37.0 dBA    L95: 35.8 dBA

**$L_{Aeq} = 57.4 \text{ dB}$**

P4-int3 - Lineare					
dB		dB		dB	
6.3 Hz	45.7 dB	100 Hz	49.1 dB	1600 Hz	46.1 dB
8 Hz	44.6 dB	125 Hz	48.8 dB	2000 Hz	45.1 dB
10 Hz	45.1 dB	160 Hz	47.5 dB	2500 Hz	42.5 dB
12.5 Hz	45.5 dB	200 Hz	48.2 dB	3150 Hz	41.6 dB
16 Hz	48.4 dB	250 Hz	48.5 dB	4000 Hz	39.0 dB
20 Hz	54.4 dB	315 Hz	47.9 dB	5000 Hz	37.8 dB
25 Hz	54.7 dB	400 Hz	48.7 dB	6300 Hz	37.2 dB
31.5 Hz	54.5 dB	500 Hz	50.4 dB	8000 Hz	36.8 dB
40 Hz	54.0 dB	630 Hz	51.3 dB	10000 Hz	37.2 dB
50 Hz	52.9 dB	800 Hz	50.0 dB	12500 Hz	38.0 dB
63 Hz	50.2 dB	1000 Hz	48.8 dB	16000 Hz	38.8 dB
80 Hz	47.6 dB	1250 Hz	46.2 dB	20000 Hz	40.8 dB



Annotazioni:



P4-int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	23:26:01	01:00:35	57.4 dBA	89.3 dBA	38.0 dBA
Non Mascherato	23:26:01	01:00:35	57.4 dBA	89.3 dBA	38.0 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

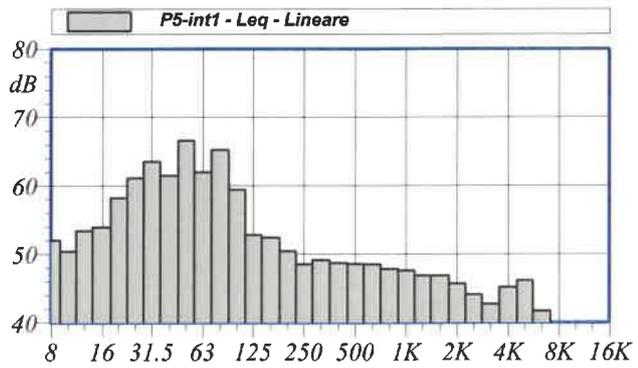


**Nome misura:** P5-int1  
**Località:** Via Malagrida  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3649.0  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 09:52:35  
**Over SLM:** 0    **Over OBA:** 0

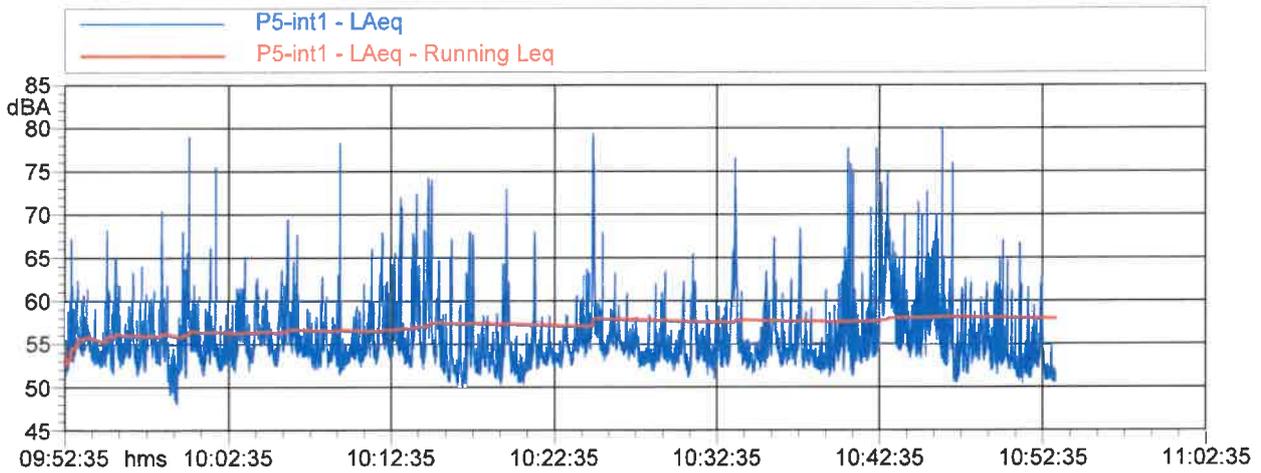
L1: 61.3 dBA	L5: 54.8 dBA
L10: 51.8 dBA	L50: 45.2 dBA
L90: 41.6 dBA	L95: 40.7 dBA

**$L_{Aeq} = 57.9$  dBA**

P5-int1 Leq - Lineare					
dB		dB		dB	
6.3 Hz	52.5 dB	100 Hz	59.4 dB	1600 Hz	46.9 dB
8 Hz	52.0 dB	125 Hz	52.8 dB	2000 Hz	45.7 dB
10 Hz	50.4 dB	160 Hz	52.5 dB	2500 Hz	44.1 dB
12.5 Hz	53.4 dB	200 Hz	50.5 dB	3150 Hz	42.7 dB
16 Hz	53.9 dB	250 Hz	48.5 dB	4000 Hz	45.2 dB
20 Hz	58.2 dB	315 Hz	49.1 dB	5000 Hz	46.1 dB
25 Hz	61.1 dB	400 Hz	48.7 dB	6300 Hz	41.7 dB
31.5 Hz	63.5 dB	500 Hz	48.6 dB	8000 Hz	38.9 dB
40 Hz	61.5 dB	630 Hz	48.5 dB	10000 Hz	37.6 dB
50 Hz	66.6 dB	800 Hz	47.8 dB	12500 Hz	38.5 dB
63 Hz	61.9 dB	1000 Hz	47.6 dB	16000 Hz	38.8 dB
80 Hz	65.2 dB	1250 Hz	46.9 dB	20000 Hz	40.7 dB



Annotazioni:



P5-int1 LAeq			
Nome	Inizio	Durata	Leq
Totale	09:52:35	01:00:49	57.9 dBA
Non Mascherato	09:52:35	01:00:49	57.9 dBA
Mascherato		00:00:00	0.0 dBA

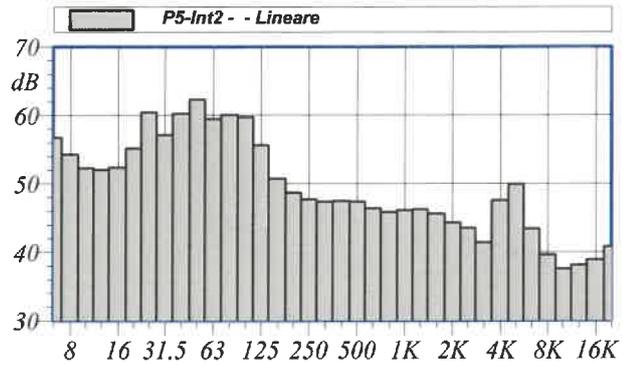


**Nome misura:** P5-Int2  
**Località:** Via Malagrida  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3916.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 13:54:27  
**Over SLM:** 0      **Over OBA:** 0

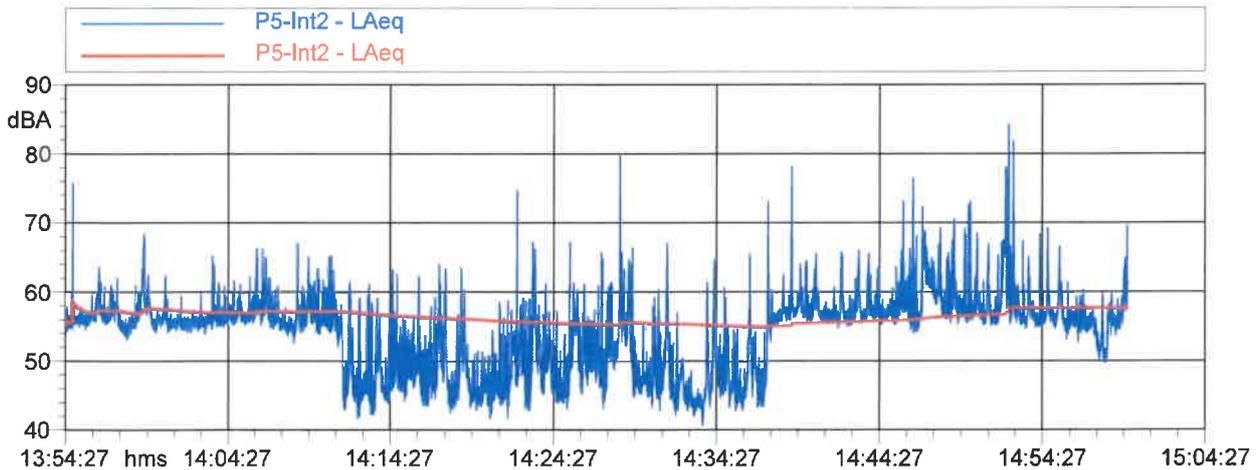
**L1:** 60.2 dBA      **L5:** 53.3 dBA  
**L10:** 50.1 dBA      **L50:** 42.1 dBA  
**L90:** 37.9 dBA      **L95:** 36.9 dBA

**$L_{Aeq} = 57.7$  dBA**

P5-Int2 - Lineare					
dB		dB		dB	
6.3 Hz	56.7 dB	100 Hz	59.7 dB	1600 Hz	45.6 dB
8 Hz	54.3 dB	125 Hz	55.6 dB	2000 Hz	44.3 dB
10 Hz	52.3 dB	160 Hz	50.7 dB	2500 Hz	43.5 dB
12.5 Hz	52.0 dB	200 Hz	48.7 dB	3150 Hz	41.4 dB
16 Hz	52.4 dB	250 Hz	47.7 dB	4000 Hz	47.6 dB
20 Hz	55.1 dB	315 Hz	47.4 dB	5000 Hz	49.9 dB
25 Hz	60.4 dB	400 Hz	47.4 dB	6300 Hz	43.4 dB
31.5 Hz	57.1 dB	500 Hz	47.4 dB	8000 Hz	39.6 dB
40 Hz	60.2 dB	630 Hz	46.4 dB	10000 Hz	37.5 dB
50 Hz	62.3 dB	800 Hz	45.8 dB	12500 Hz	38.1 dB
63 Hz	59.4 dB	1000 Hz	46.1 dB	16000 Hz	38.9 dB
80 Hz	60.0 dB	1250 Hz	46.3 dB	20000 Hz	40.8 dB



Annotazioni:



P5-Int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	13:54:27	01:05:16.200	57.7 dBA	84.3 dBA	40.7 dBA
Non Mascherato	13:54:27	01:05:16.200	57.7 dBA	84.3 dBA	40.7 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

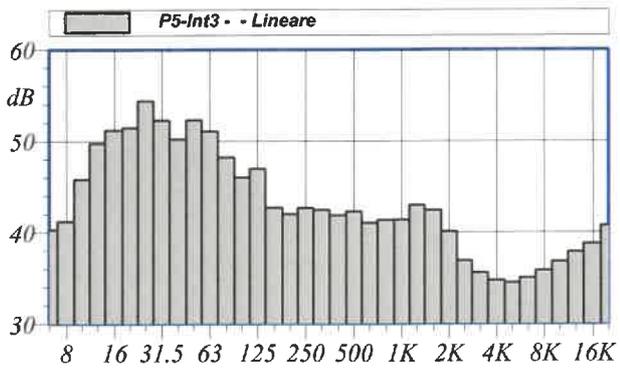


**Nome misura:** P5-Int3  
**Località:** Via Malagrida  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3384.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/06/2021 20:50:28  
**Over SLM:** 0    **Over OBA:** 0

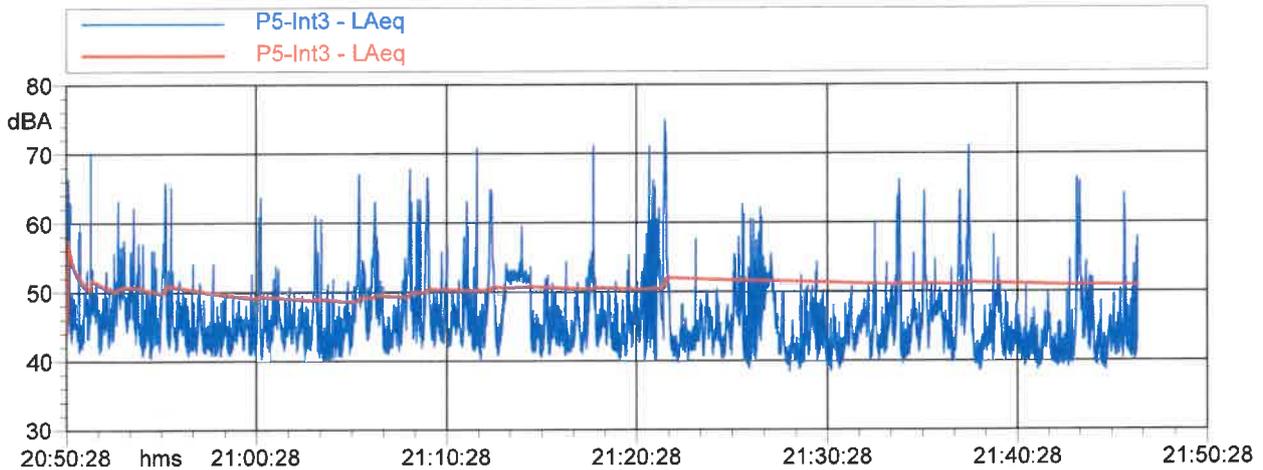
L1: 52.0 dBA      L5: 45.8 dBA  
 L10: 43.1 dBA    L50: 37.9 dBA  
 L90: 34.7 dBA    L95: 33.9 dBA

**$L_{Aeq} = 50.9 \text{ dB}$**

P5-Int3 - Lineare					
dB		dB		dB	
6.3 Hz	40.3 dB	100 Hz	46.0 dB	1600 Hz	42.4 dB
8 Hz	41.2 dB	125 Hz	46.9 dB	2000 Hz	40.1 dB
10 Hz	45.8 dB	160 Hz	42.7 dB	2500 Hz	36.9 dB
12.5 Hz	49.7 dB	200 Hz	42.0 dB	3150 Hz	35.6 dB
16 Hz	51.2 dB	250 Hz	42.7 dB	4000 Hz	34.7 dB
20 Hz	51.5 dB	315 Hz	42.4 dB	5000 Hz	34.5 dB
25 Hz	54.4 dB	400 Hz	41.8 dB	6300 Hz	35.0 dB
31.5 Hz	52.3 dB	500 Hz	42.3 dB	8000 Hz	35.8 dB
40 Hz	50.2 dB	630 Hz	41.0 dB	10000 Hz	36.8 dB
50 Hz	52.3 dB	800 Hz	41.3 dB	12500 Hz	37.8 dB
63 Hz	51.1 dB	1000 Hz	41.4 dB	16000 Hz	38.8 dB
80 Hz	48.2 dB	1250 Hz	43.0 dB	20000 Hz	40.7 dB



Annotazioni:



P5-Int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	20:50:28	00:56:24.200	50.9 dBA	75.0 dBA	38.4 dBA
Non Mascherato	20:50:28	00:56:24.200	50.9 dBA	75.0 dBA	38.4 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

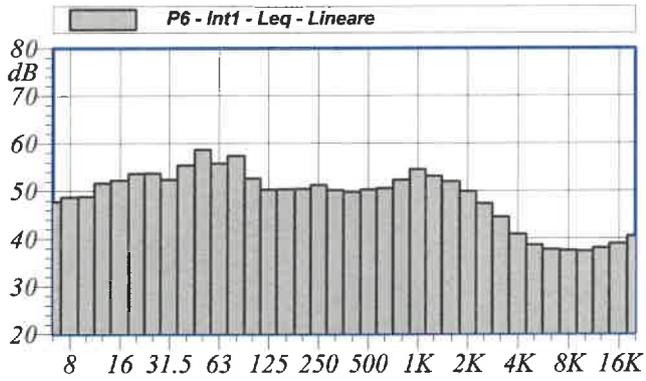


**Nome misura:** P6 - Int1  
**Località:** Via di Sotto Pe  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 04/08/2021 10:46:46

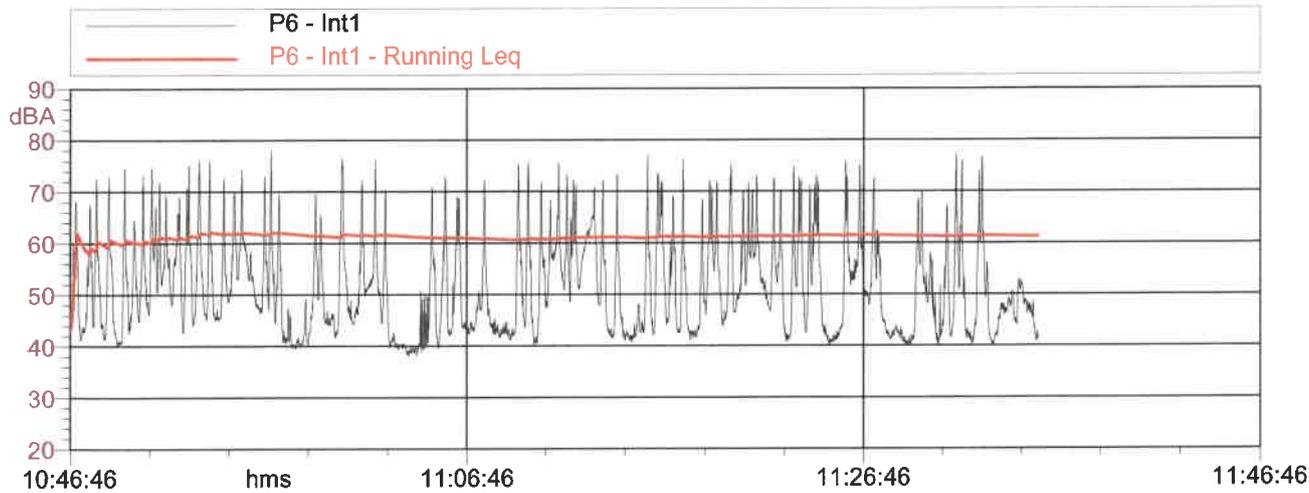
P6 - Int1 Leq - Lineare					
dB		dB		dB	
6.3 Hz	47.8 dB	8 Hz	48.7 dB	10 Hz	48.8 dB
12.5 Hz	51.6 dB	16 Hz	52.2 dB	20 Hz	53.7 dB
25 Hz	53.8 dB	31.5 Hz	52.4 dB	40 Hz	55.4 dB
50 Hz	58.7 dB	63 Hz	55.8 dB	80 Hz	57.4 dB
100 Hz	52.7 dB	125 Hz	50.3 dB	160 Hz	50.4 dB
200 Hz	50.5 dB	250 Hz	51.2 dB	315 Hz	50.2 dB
400 Hz	49.9 dB	500 Hz	50.3 dB	630 Hz	50.6 dB
800 Hz	52.3 dB	1000 Hz	54.5 dB	1250 Hz	53.1 dB
1600 Hz	52.0 dB	2000 Hz	49.9 dB	2500 Hz	47.4 dB
3150 Hz	44.6 dB	4000 Hz	40.9 dB	5000 Hz	38.6 dB
6300 Hz	37.7 dB	8000 Hz	37.5 dB	10000 Hz	37.4 dB

**L1:** 73.6 dBA      **L5:** 68.5 dBA  
**L10:** 64.4 dBA    **L50:** 49.5 dBA  
**L90:** 41.4 dBA    **L99:** 39.3 dBA

Leq = 61.2 dBA



Annotazioni:



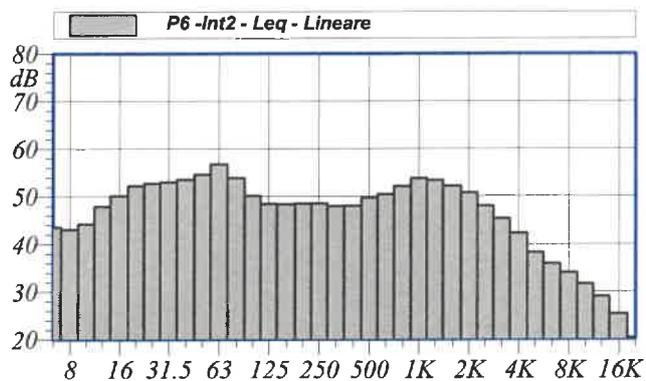
P6 - Int1					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	10:46:46	00:48:52.500	61.2 dBA	78.0 dBA	38.1 dBA
Non Mascherato	10:46:46	00:48:52.500	61.2 dBA	78.0 dBA	38.1 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

**Nome misura:** P6 -Int2  
**Località:** Via di Sotto Pe  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 04/08/2021 18:04:01

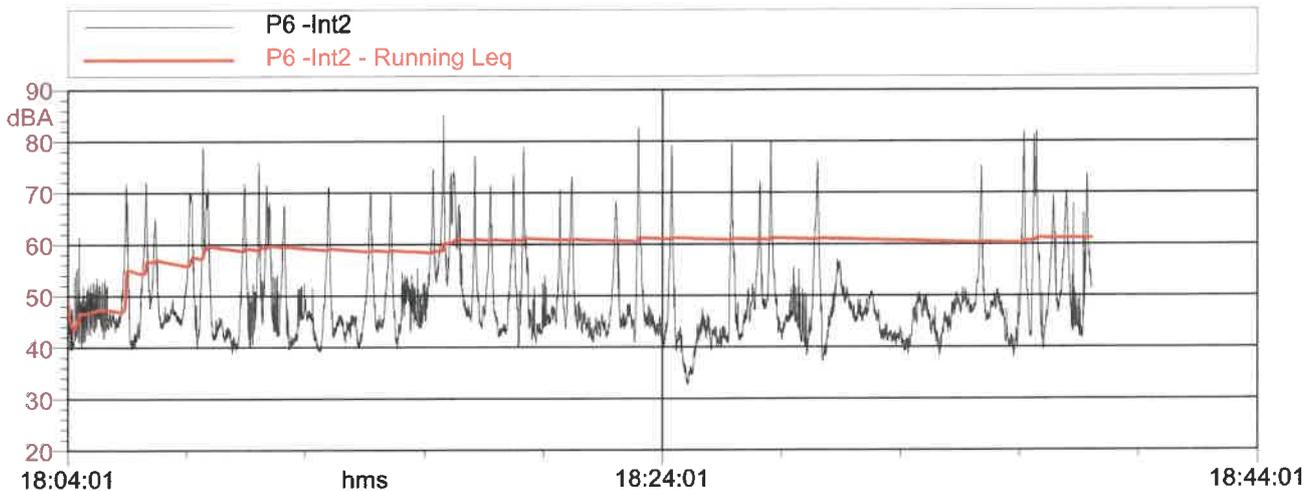
P6 -Int2					
Leq - Lineare					
dB		dB		dB	
6.3 Hz	43.6 dB	8 Hz	43.0 dB	10 Hz	44.2 dB
12.5 Hz	47.9 dB	16 Hz	50.1 dB	20 Hz	52.2 dB
25 Hz	52.7 dB	31.5 Hz	53.0 dB	40 Hz	53.5 dB
50 Hz	54.6 dB	63 Hz	56.7 dB	80 Hz	53.9 dB
100 Hz	50.2 dB	125 Hz	48.5 dB	160 Hz	48.4 dB
200 Hz	48.5 dB	250 Hz	48.5 dB	315 Hz	48.0 dB
400 Hz	48.0 dB	500 Hz	49.7 dB	630 Hz	50.5 dB
800 Hz	52.1 dB	1000 Hz	53.8 dB	1250 Hz	53.4 dB
1600 Hz	52.2 dB	2000 Hz	50.8 dB	2500 Hz	48.0 dB
3150 Hz	45.4 dB	4000 Hz	42.3 dB	5000 Hz	38.3 dB
6300 Hz	35.9 dB	8000 Hz	34.1 dB	10000 Hz	31.6 dB

**L1:** 74.1 dBA      **L5:** 67.2 dBA  
**L10:** 61.5 dBA    **L50:** 46.4 dBA  
**L90:** 41.6 dBA    **L99:** 36.9 dBA

**Leq = 61.2 dBA**



Annotazioni:



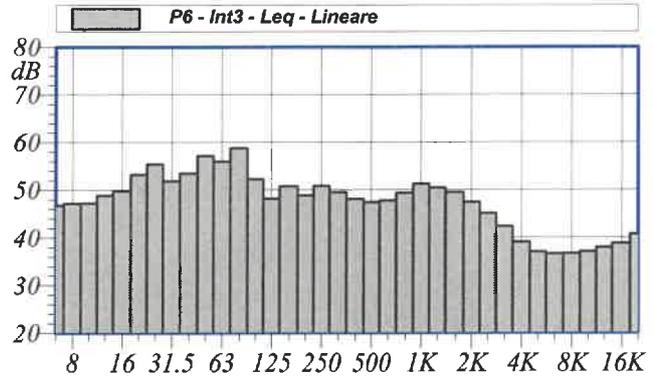
P6 -Int2					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	18:04:01	00:34:25.800	61.2 dBA	85.1 dBA	32.5 dBA
Non Mascherato	18:04:01	00:34:25.800	61.2 dBA	85.1 dBA	32.5 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

**Nome misura:** P6 - Int3  
**Località:** Via di Sotto Pe  
**Strumentazione:** 831 0001794  
**Data, ora misura:** 04/08/2021 23:36:13

P6 - Int3					
Leq - Lineare					
dB		dB		dB	
6.3 Hz	46.8 dB	8 Hz	47.1 dB	10 Hz	47.2 dB
12.5 Hz	48.9 dB	16 Hz	49.8 dB	20 Hz	53.2 dB
25 Hz	55.4 dB	31.5 Hz	51.8 dB	40 Hz	53.5 dB
50 Hz	57.1 dB	63 Hz	56.0 dB	80 Hz	58.8 dB
100 Hz	52.2 dB	125 Hz	48.2 dB	160 Hz	50.8 dB
200 Hz	48.8 dB	250 Hz	50.8 dB	315 Hz	49.5 dB
400 Hz	48.1 dB	500 Hz	47.5 dB	630 Hz	47.7 dB
800 Hz	49.4 dB	1000 Hz	51.2 dB	1250 Hz	50.4 dB
1600 Hz	49.5 dB	2000 Hz	47.5 dB	2500 Hz	45.1 dB
3150 Hz	42.3 dB	4000 Hz	39.1 dB	5000 Hz	37.0 dB
6300 Hz	36.6 dB	8000 Hz	36.6 dB	10000 Hz	37.0 dB

L1: 72.1 dBA      L5: 65.0 dBA  
 L10: 59.9 dBA    L50: 43.6 dBA  
 L90: 39.0 dBA    L99: 37.5 dBA

**Leq = 58.8 dBA**



Annotazioni:



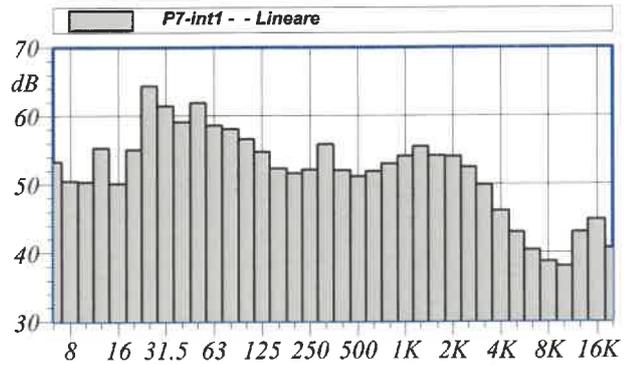
P6 - Int3					
A					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	23:36:13	00:55:36.500	58.8 dBA	78.3 dBA	44.5 dBA
Non Mascherato	23:36:13	00:55:36.500	58.8 dBA	78.3 dBA	44.5 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

**Nome misura:** P7-int1  
**Località:** Via C. De Titta  
**Strumentazione:**  
**Durata misura [s]:** 3311.0  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 09:20:00  
**Over SLM:** 0      **Over OBA:** 0

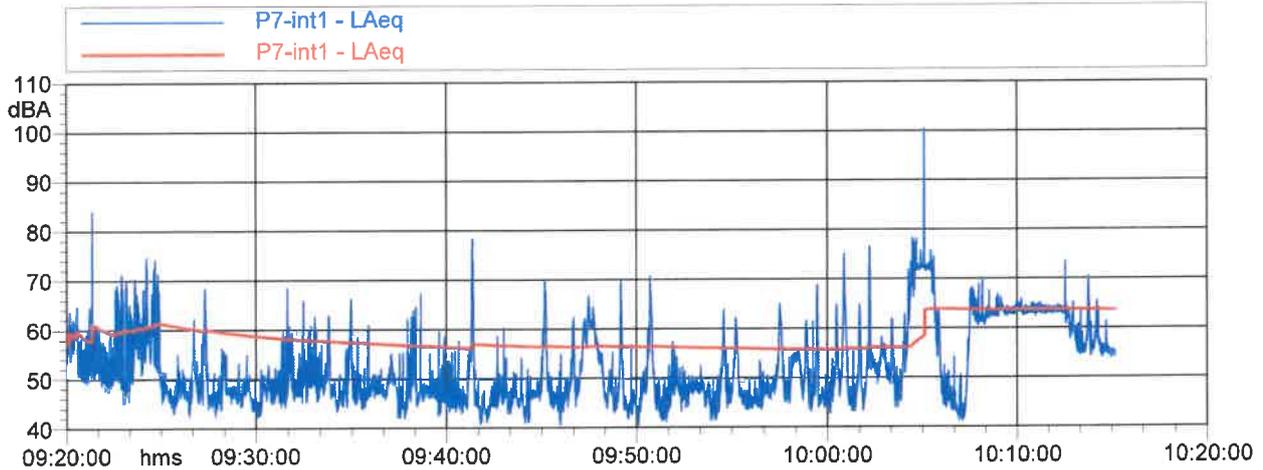
P7-int1 - Lineare					
dB		dB		dB	
6.3 Hz	53.3 dB	100 Hz	56.6 dB	1600 Hz	54.2 dB
8 Hz	50.5 dB	125 Hz	54.7 dB	2000 Hz	54.1 dB
10 Hz	50.3 dB	160 Hz	52.3 dB	2500 Hz	52.5 dB
12.5 Hz	55.3 dB	200 Hz	51.6 dB	3150 Hz	49.9 dB
16 Hz	50.1 dB	250 Hz	52.1 dB	4000 Hz	46.1 dB
20 Hz	55.0 dB	315 Hz	55.9 dB	5000 Hz	43.0 dB
25 Hz	64.4 dB	400 Hz	52.0 dB	6300 Hz	40.4 dB
31.5 Hz	61.4 dB	500 Hz	51.1 dB	8000 Hz	38.7 dB
40 Hz	59.1 dB	630 Hz	51.9 dB	10000 Hz	38.0 dB
50 Hz	61.9 dB	800 Hz	53.0 dB	12500 Hz	43.0 dB
63 Hz	58.6 dB	1000 Hz	54.1 dB	16000 Hz	44.8 dB
80 Hz	58.1 dB	1250 Hz	55.5 dB	20000 Hz	40.7 dB

L1: 63.1 dBA	L5: 58.6 dBA
L10: 56.2 dBA	L50: 43.8 dBA
L90: 38.2 dBA	L95: 37.1 dBA

**$L_{Aeq} = 63.6 \text{ dB}$**



Annotazioni:



P7-int1 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	09:20:00	00:55:11	63.6 dBA	100.5 dBA	40.4 dBA
Non Mascherato	09:20:00	00:55:11	63.6 dBA	100.5 dBA	40.4 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

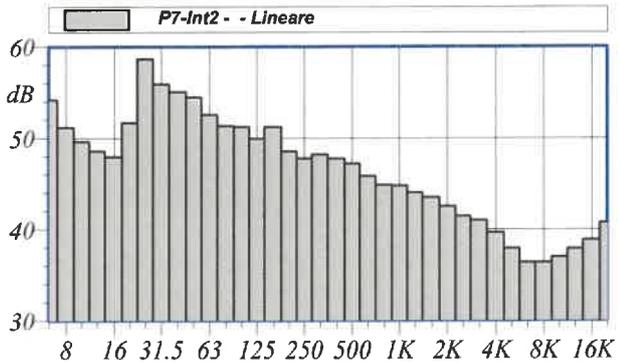


**Nome misura:** P7-Int2  
**Località:** Via C. De Titta  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3398.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 15:08:27  
**Over SLM:** 0    **Over OBA:** 0

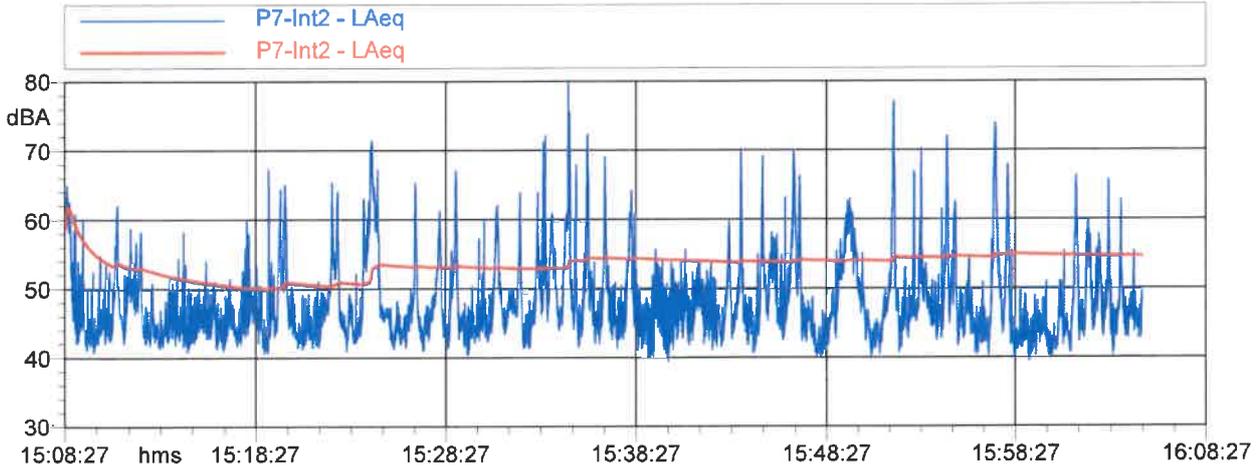
L1: 63.5 dBA      L5: 54.8 dBA  
 L10: 50.8 dBA    L50: 39.5 dBA  
 L90: 34.6 dBA    L95: 33.5 dBA

**$L_{Aeq} = 54.6 \text{ dB}$**

P7-Int2 - Lineare					
dB		dB		dB	
6.3 Hz	54.2 dB	100 Hz	51.2 dB	1600 Hz	43.5 dB
8 Hz	51.1 dB	125 Hz	49.9 dB	2000 Hz	42.5 dB
10 Hz	49.6 dB	160 Hz	51.2 dB	2500 Hz	41.4 dB
12.5 Hz	48.6 dB	200 Hz	48.5 dB	3150 Hz	41.0 dB
16 Hz	47.9 dB	250 Hz	47.7 dB	4000 Hz	39.7 dB
20 Hz	51.7 dB	315 Hz	48.2 dB	5000 Hz	37.9 dB
25 Hz	58.6 dB	400 Hz	47.7 dB	6300 Hz	36.3 dB
31.5 Hz	55.9 dB	500 Hz	47.2 dB	8000 Hz	36.4 dB
40 Hz	55.0 dB	630 Hz	45.8 dB	10000 Hz	37.0 dB
50 Hz	54.5 dB	800 Hz	44.9 dB	12500 Hz	37.9 dB
63 Hz	52.5 dB	1000 Hz	44.8 dB	16000 Hz	38.8 dB
80 Hz	51.3 dB	1250 Hz	44.0 dB	20000 Hz	40.7 dB



Annotazioni:



P7-Int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	15:08:27	00:56:38.200	54.6 dBA	79.7 dBA	39.4 dBA
Non Mascherato	15:08:27	00:56:38.200	54.6 dBA	79.7 dBA	39.4 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

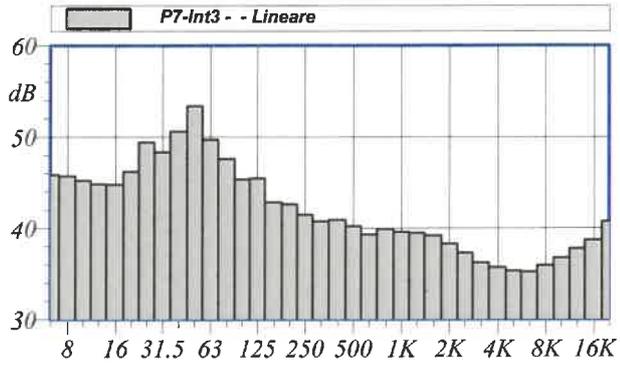


**Nome misura:** P7-Int3  
**Località:** Via C. De Titta  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3085.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 30/09/2021 20:47:34  
**Over SLM:** 0      **Over OBA:** 0

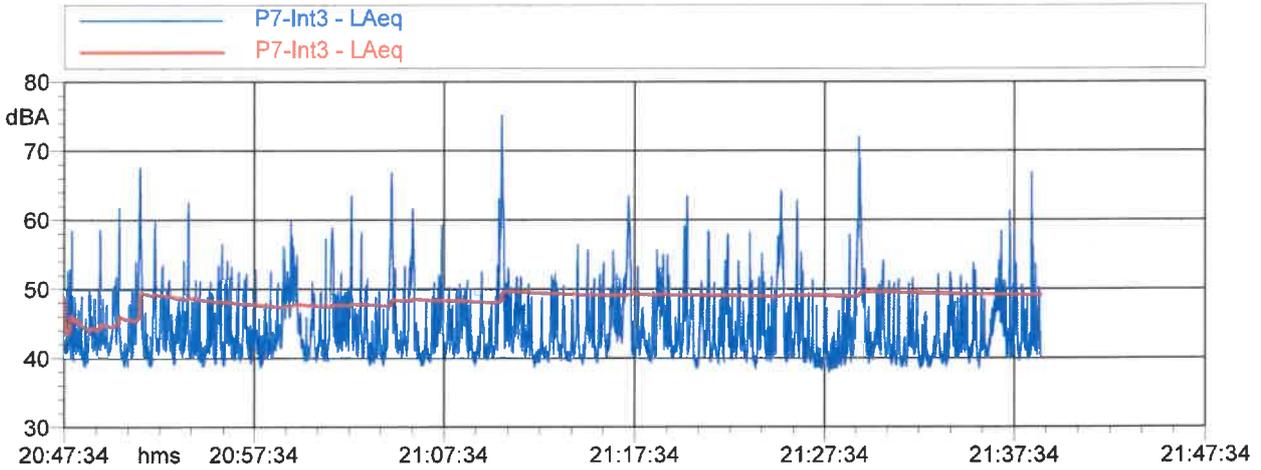
L1: 54.8 dBA	L5: 46.8 dBA
L10: 43.6 dBA	L50: 37.1 dBA
L90: 33.6 dBA	L95: 32.7 dBA

**$L_{Aeq} = 49.1 \text{ dB}$**

P7-Int3 - Lineare					
	dB		dB		dB
6.3 Hz	45.8 dB	100 Hz	45.4 dB	1600 Hz	39.2 dB
8 Hz	45.7 dB	125 Hz	45.5 dB	2000 Hz	38.3 dB
10 Hz	45.2 dB	160 Hz	42.8 dB	2500 Hz	37.3 dB
12.5 Hz	44.8 dB	200 Hz	42.6 dB	3150 Hz	36.2 dB
16 Hz	44.7 dB	250 Hz	41.5 dB	4000 Hz	35.7 dB
20 Hz	46.2 dB	315 Hz	40.7 dB	5000 Hz	35.3 dB
25 Hz	49.4 dB	400 Hz	40.9 dB	6300 Hz	35.2 dB
31.5 Hz	48.3 dB	500 Hz	40.2 dB	8000 Hz	35.9 dB
40 Hz	50.6 dB	630 Hz	39.3 dB	10000 Hz	36.8 dB
50 Hz	53.4 dB	800 Hz	39.9 dB	12500 Hz	37.8 dB
63 Hz	49.7 dB	1000 Hz	39.6 dB	16000 Hz	38.7 dB
80 Hz	47.6 dB	1250 Hz	39.5 dB	20000 Hz	40.7 dB



Annotazioni:



P7-Int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	20:47:34	00:51:25.200	49.1 dBA	75.2 dBA	37.9 dBA
Non Mascherato	20:47:34	00:51:25.200	49.1 dBA	75.2 dBA	37.9 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

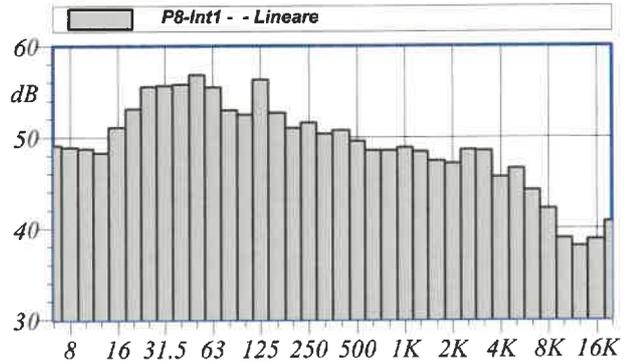


**Nome misura:** P8-Int1  
**Località:** Via Cetto Ciglia  
**Strumentazione:**  
**Durata misura [s]:** 3317.6  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 10:36:48  
**Over SLM:** 0    **Over OBA:** 0

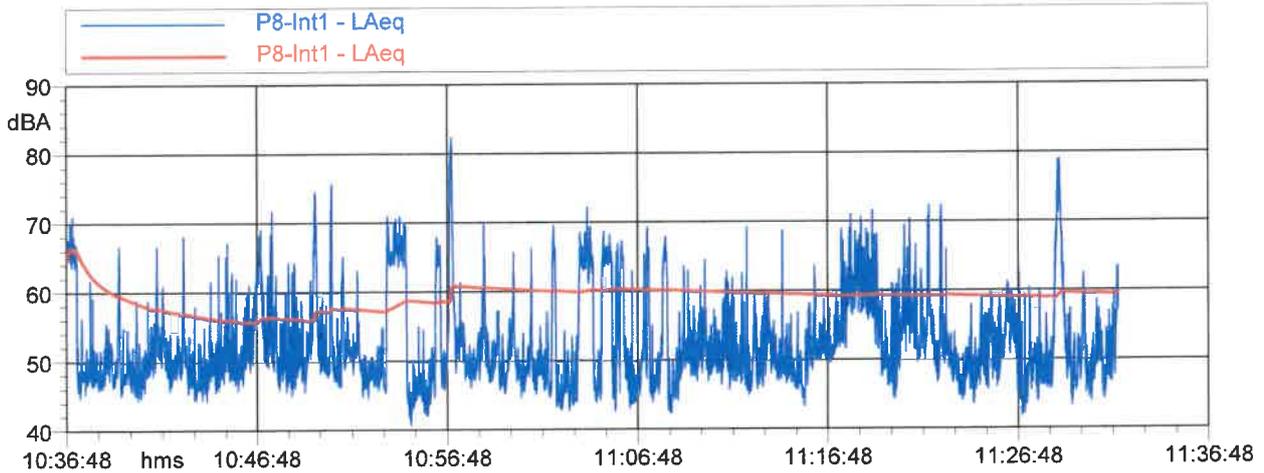
L1: 64.4 dBA	L5: 56.8 dBA
L10: 53.1 dBA	L50: 42.7 dBA
L90: 37.4 dBA	L95: 36.2 dBA

**$L_{Aeq} = 59.4 \text{ dB}$**

P8-Int1 - Lineare					
dB		dB		dB	
6.3 Hz	49.1 dB	100 Hz	52.4 dB	1600 Hz	47.4 dB
8 Hz	48.9 dB	125 Hz	56.3 dB	2000 Hz	47.1 dB
10 Hz	48.7 dB	160 Hz	52.7 dB	2500 Hz	48.6 dB
12.5 Hz	48.3 dB	200 Hz	51.0 dB	3150 Hz	48.5 dB
16 Hz	51.0 dB	250 Hz	51.6 dB	4000 Hz	45.6 dB
20 Hz	53.1 dB	315 Hz	50.4 dB	5000 Hz	46.6 dB
25 Hz	55.5 dB	400 Hz	50.7 dB	6300 Hz	44.2 dB
31.5 Hz	55.6 dB	500 Hz	49.6 dB	8000 Hz	42.2 dB
40 Hz	55.8 dB	630 Hz	48.5 dB	10000 Hz	38.9 dB
50 Hz	56.8 dB	800 Hz	48.5 dB	12500 Hz	38.0 dB
63 Hz	55.5 dB	1000 Hz	48.9 dB	16000 Hz	38.8 dB
80 Hz	52.9 dB	1250 Hz	48.4 dB	20000 Hz	40.7 dB



Annotazioni:



P8-Int1 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	10:36:48	00:55:17.600	59.4 dBA	82.4 dBA	40.7 dBA
Non Mascherato	10:36:48	00:55:17.600	59.4 dBA	82.4 dBA	40.7 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

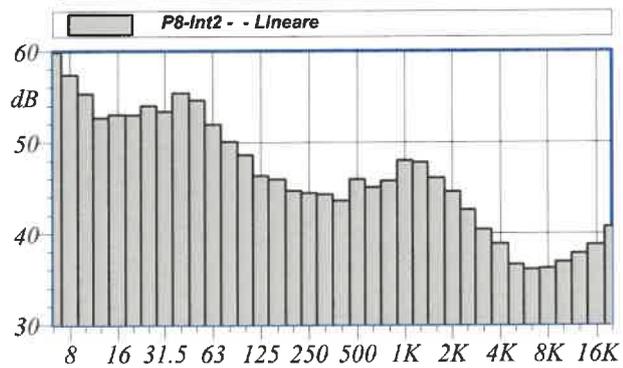


**Nome misura:** P8-Int2  
**Località:** Via Cetto Ciglia  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3019.2  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 16:17:53  
**Over SLM:** 0    **Over OBA:** 0

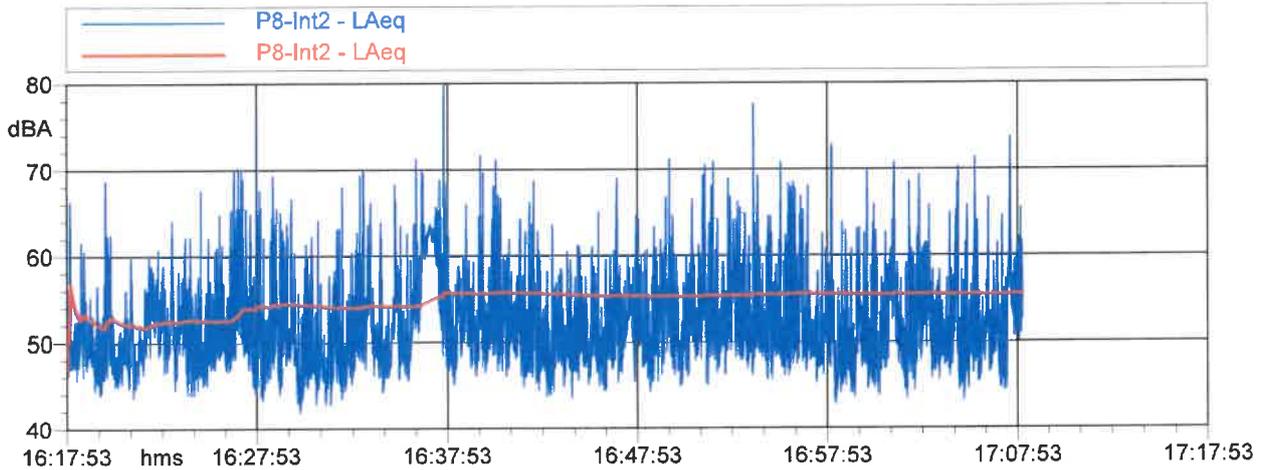
L1: 56.2 dBA	L5: 50.5 dBA
L10: 48.1 dBA	L50: 40.9 dBA
L90: 36.6 dBA	L95: 35.6 dBA

**$L_{Aeq} = 55.6 \text{ dB}$**

P8-Int2 - Lineare					
dB		dB		dB	
6.3 Hz	59.9 dB	100 Hz	48.6 dB	1600 Hz	46.1 dB
8 Hz	57.4 dB	125 Hz	46.3 dB	2000 Hz	44.6 dB
10 Hz	55.3 dB	160 Hz	45.9 dB	2500 Hz	42.6 dB
12.5 Hz	52.7 dB	200 Hz	44.7 dB	3150 Hz	40.4 dB
16 Hz	53.0 dB	250 Hz	44.4 dB	4000 Hz	38.8 dB
20 Hz	53.0 dB	315 Hz	44.3 dB	5000 Hz	36.6 dB
25 Hz	54.0 dB	400 Hz	43.6 dB	6300 Hz	36.0 dB
31.5 Hz	53.4 dB	500 Hz	45.9 dB	8000 Hz	36.2 dB
40 Hz	55.4 dB	630 Hz	45.0 dB	10000 Hz	36.9 dB
50 Hz	54.6 dB	800 Hz	45.7 dB	12500 Hz	37.8 dB
63 Hz	51.9 dB	1000 Hz	48.0 dB	16000 Hz	38.7 dB
80 Hz	50.0 dB	1250 Hz	47.8 dB	20000 Hz	40.7 dB



Annotazioni:



P8-Int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	16:17:53	00:50:19.200	55.6 dBA	79.8 dBA	41.9 dBA
Non Mascherato	16:17:53	00:50:19.200	55.6 dBA	79.8 dBA	41.9 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

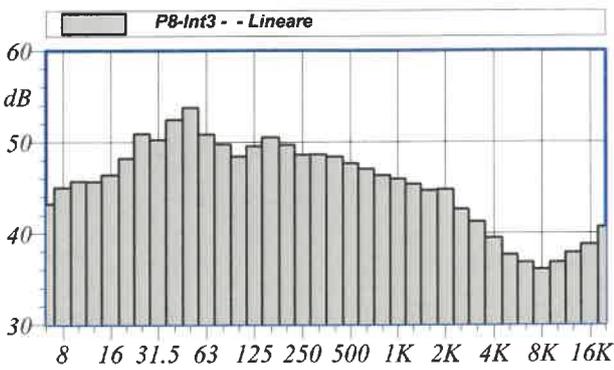


**Nome misura:** P8-Int3  
**Località:** Via Cetteo Ciglia  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3060.8  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 30/09/2021 21:49:05  
**Over SLM:** 0    **Over OBA:** 0

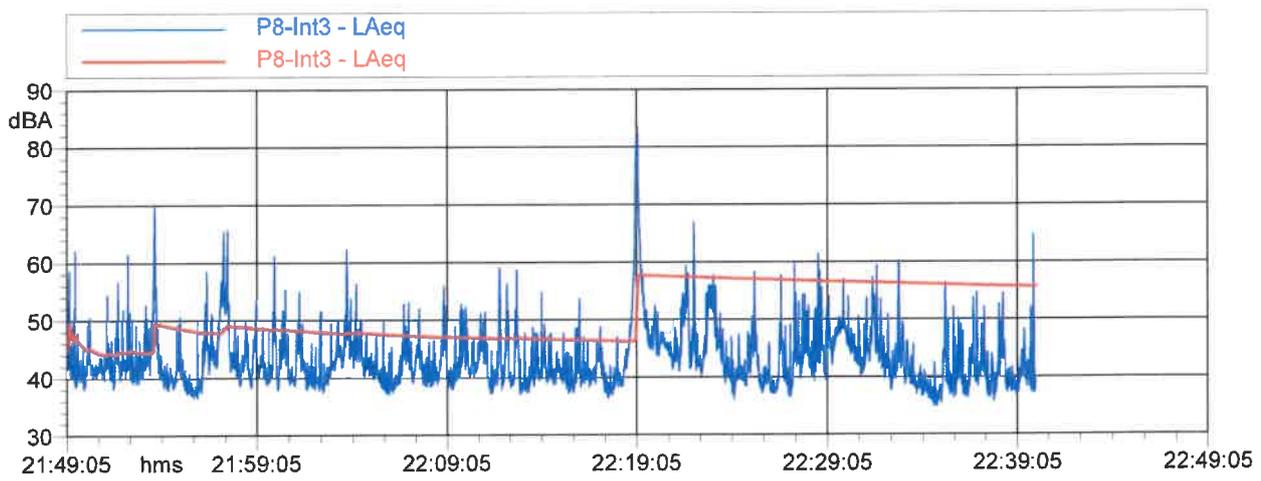
L1: 62.8 dBA	L5: 48.3 dBA
L10: 43.4 dBA	L50: 37.4 dBA
L90: 34.4 dBA	L95: 33.6 dBA

**$L_{Aeq} = 55.6 \text{ dB}$**

P8-Int3 - Lineare					
dB		dB		dB	
6.3 Hz	43.2 dB	100 Hz	48.4 dB	1600 Hz	44.7 dB
8 Hz	45.0 dB	125 Hz	49.5 dB	2000 Hz	44.8 dB
10 Hz	45.7 dB	160 Hz	50.5 dB	2500 Hz	42.6 dB
12.5 Hz	45.6 dB	200 Hz	49.7 dB	3150 Hz	41.2 dB
16 Hz	46.4 dB	250 Hz	48.6 dB	4000 Hz	39.5 dB
20 Hz	48.2 dB	315 Hz	48.6 dB	5000 Hz	37.6 dB
25 Hz	50.9 dB	400 Hz	48.4 dB	6300 Hz	36.8 dB
31.5 Hz	50.2 dB	500 Hz	47.6 dB	8000 Hz	36.0 dB
40 Hz	52.4 dB	630 Hz	47.0 dB	10000 Hz	36.8 dB
50 Hz	53.7 dB	800 Hz	46.3 dB	12500 Hz	37.8 dB
63 Hz	50.8 dB	1000 Hz	45.9 dB	16000 Hz	38.7 dB
80 Hz	49.7 dB	1250 Hz	45.4 dB	20000 Hz	40.6 dB



Annotazioni:



P8-Int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	21:49:05	00:51:00.800	55.6 dBA	83.6 dBA	34.9 dBA
Non Mascherato	21:49:05	00:51:00.800	55.6 dBA	83.6 dBA	34.9 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

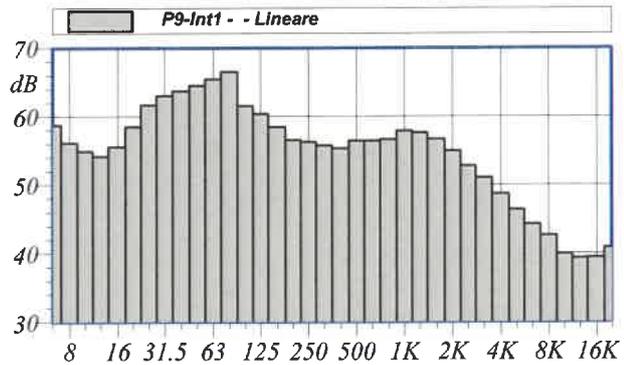


**Nome misura:** P9-Int1  
**Località:** Via Tirino, 206  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3025.4  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 11:53:49  
**Over SLM:** 0    **Over OBA:** 0

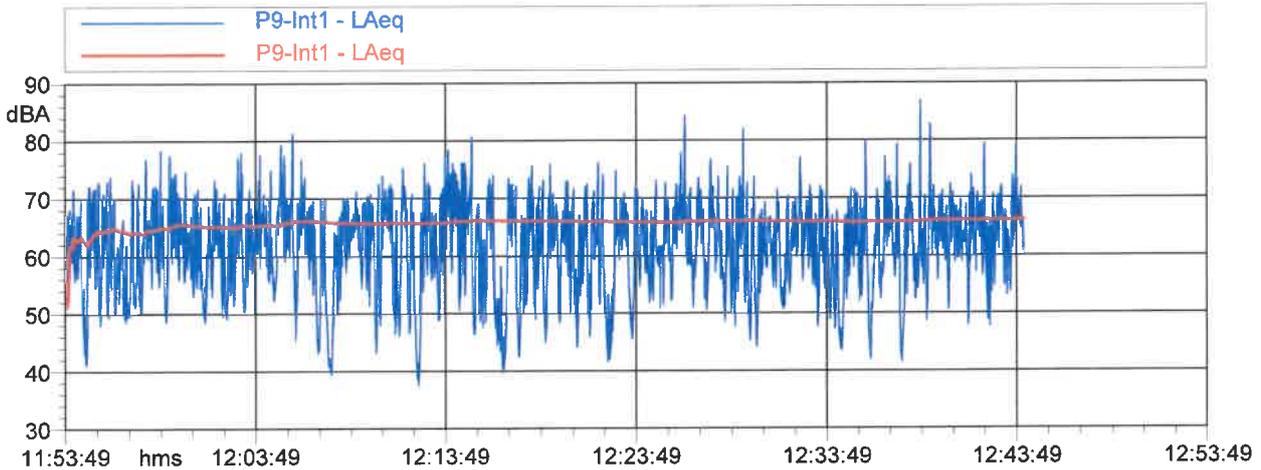
P9-Int1 - Lineare					
dB		dB		dB	
6.3 Hz	58.7 dB	100 Hz	61.5 dB	1600 Hz	56.7 dB
8 Hz	56.1 dB	125 Hz	60.4 dB	2000 Hz	55.0 dB
10 Hz	54.9 dB	160 Hz	58.5 dB	2500 Hz	52.8 dB
12.5 Hz	54.2 dB	200 Hz	56.5 dB	3150 Hz	51.1 dB
16 Hz	55.6 dB	250 Hz	56.3 dB	4000 Hz	48.7 dB
20 Hz	58.5 dB	315 Hz	55.7 dB	5000 Hz	46.4 dB
25 Hz	61.7 dB	400 Hz	55.3 dB	6300 Hz	44.2 dB
31.5 Hz	63.0 dB	500 Hz	56.5 dB	8000 Hz	42.6 dB
40 Hz	63.7 dB	630 Hz	56.4 dB	10000 Hz	39.9 dB
50 Hz	64.5 dB	800 Hz	56.6 dB	12500 Hz	39.4 dB
63 Hz	65.5 dB	1000 Hz	57.9 dB	16000 Hz	39.4 dB
80 Hz	66.5 dB	1250 Hz	57.6 dB	20000 Hz	40.8 dB

L1: 70.3 dBA	L5: 62.5 dBA
L10: 59.5 dBA	L50: 51.1 dBA
L90: 41.1 dBA	L95: 38.9 dBA

**$L_{Aeq} = 66.2 \text{ dB}$**



Annotazioni:



P9-Int1 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	11:53:49	00:50:25.400	66.2 dBA	86.9 dBA	37.6 dBA
Non Mascherato	11:53:49	00:50:25.400	66.2 dBA	86.9 dBA	37.6 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

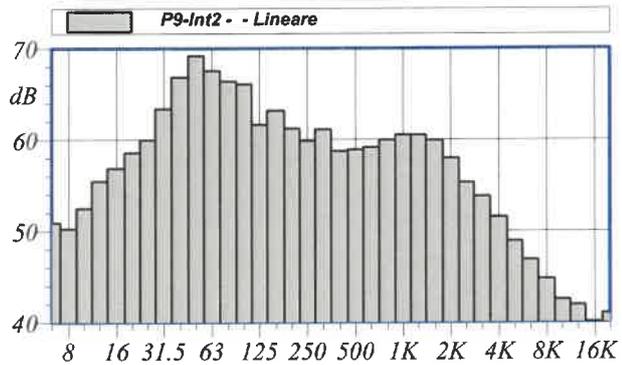


**Nome misura:** P9-Int2  
**Località:** Via Tirino, 206  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3755.8  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 29/09/2021 17:21:48  
**Over SLM:** 0    **Over OBA:** 0

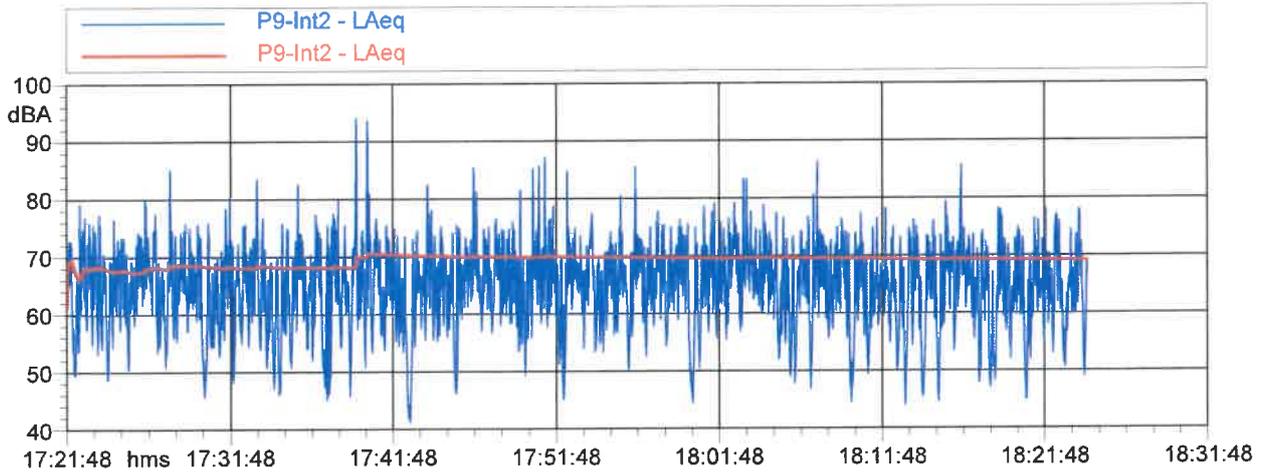
L1: 72.1 dBA	L5: 64.6 dBA
L10: 61.7 dBA	L50: 52.6 dBA
L90: 42.8 dBA	L95: 40.4 dBA

**$L_{Aeq} = 69.2 \text{ dB}$**

P9-Int2 - Lineare					
dB		dB		dB	
6.3 Hz	50.9 dB	100 Hz	66.0 dB	1600 Hz	59.9 dB
8 Hz	50.2 dB	125 Hz	61.6 dB	2000 Hz	57.9 dB
10 Hz	52.5 dB	160 Hz	63.2 dB	2500 Hz	55.3 dB
12.5 Hz	55.4 dB	200 Hz	61.2 dB	3150 Hz	53.8 dB
16 Hz	56.8 dB	250 Hz	59.8 dB	4000 Hz	51.5 dB
20 Hz	58.6 dB	315 Hz	61.1 dB	5000 Hz	48.9 dB
25 Hz	60.0 dB	400 Hz	58.7 dB	6300 Hz	46.9 dB
31.5 Hz	63.4 dB	500 Hz	58.9 dB	8000 Hz	44.8 dB
40 Hz	66.8 dB	630 Hz	59.1 dB	10000 Hz	42.5 dB
50 Hz	69.2 dB	800 Hz	59.9 dB	12500 Hz	41.9 dB
63 Hz	67.5 dB	1000 Hz	60.5 dB	16000 Hz	40.0 dB
80 Hz	66.4 dB	1250 Hz	60.5 dB	20000 Hz	41.0 dB



Annotazioni:



P9-Int2 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	17:21:48	01:02:35.800	69.2 dBA	94.1 dBA	41.2 dBA
Non Mascherato	17:21:48	01:02:35.800	69.2 dBA	94.1 dBA	41.2 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA

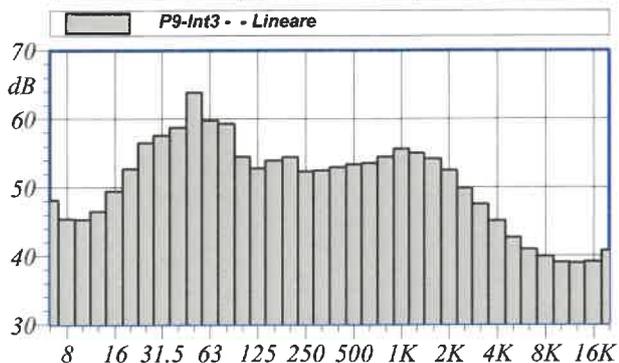


**Nome misura:** P9-Int3  
**Località:** Via Tirino, 206  
**Strumentazione:** 831 0004556  
**Durata misura [s]:** 3179.0  
**Nome operatore:** Ing. Andrea Del Barone  
**Data, ora misura:** 30/09/2021 22:47:21  
**Over SLM:** 0    **Over OBA:** 0

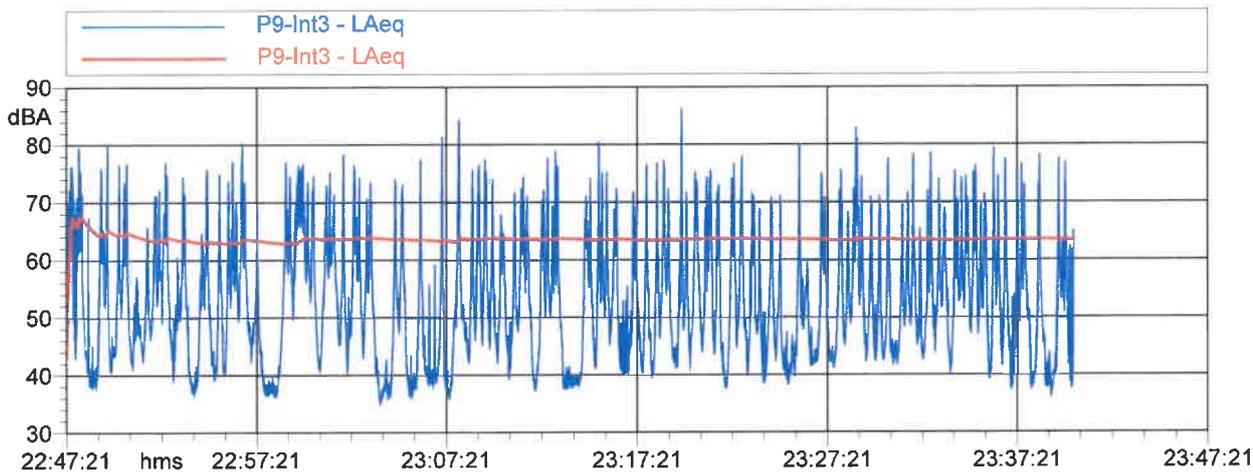
L1: 65.9 dBA	L5: 58.0 dBA
L10: 53.6 dBA	L50: 40.2 dBA
L90: 34.3 dBA	L95: 33.2 dBA

**$L_{Aeq} = 63.5 \text{ dB}$**

P9-Int3 - Lineare					
dB		dB		dB	
6.3 Hz	48.1 dB	100 Hz	54.5 dB	1600 Hz	54.2 dB
8 Hz	45.4 dB	125 Hz	52.8 dB	2000 Hz	52.5 dB
10 Hz	45.3 dB	160 Hz	53.9 dB	2500 Hz	49.9 dB
12.5 Hz	46.5 dB	200 Hz	54.4 dB	3150 Hz	47.5 dB
16 Hz	49.4 dB	250 Hz	52.3 dB	4000 Hz	45.2 dB
20 Hz	52.7 dB	315 Hz	52.4 dB	5000 Hz	42.7 dB
25 Hz	56.5 dB	400 Hz	52.9 dB	6300 Hz	40.9 dB
31.5 Hz	57.6 dB	500 Hz	53.3 dB	8000 Hz	39.9 dB
40 Hz	58.7 dB	630 Hz	53.5 dB	10000 Hz	39.0 dB
50 Hz	63.8 dB	800 Hz	54.5 dB	12500 Hz	39.0 dB
63 Hz	59.8 dB	1000 Hz	55.6 dB	16000 Hz	39.1 dB
80 Hz	59.3 dB	1250 Hz	55.0 dB	20000 Hz	40.7 dB



Annotazioni:



P9-Int3 LAeq					
Nome	Inizio	Durata	Leq	Lmax	Lmin
Totale	22:47:21	00:52:59	63.5 dBA	86.2 dBA	34.7 dBA
Non Mascherato	22:47:21	00:52:59	63.5 dBA	86.2 dBA	34.7 dBA
Mascherato		00:00:00	0.0 dBA	0.0 dBA	0.0 dBA



**CERTIFICATO DI TARATURA LAT 146 12440**  
*Certificate of Calibration*

- data di emissione <i>date of issue</i>	<b>2020/12/18</b>
- cliente <i>customer</i>	<b>Del Barone ing. Andrea</b> Via della Scafa, 29/14 - 65013 Città Sant'Angelo (PE)
- destinatario <i>receiver</i>	<b>Del Barone ing. Andrea</b>
- richiesta <i>application</i>	<b>T614/20</b>
- in data <i>date</i>	<b>2020/12/09</b>
<u>Si riferisce a</u> <i>referring to</i>	
- oggetto <i>item</i>	<b>Fonometro</b>
- costruttore <i>manufacturer</i>	<b>LARSON DAVIS</b>
- modello <i>model</i>	<b>831</b>
- matricola <i>serial number</i>	<b>0001794</b>
- data di ricevimento oggetto <i>date of receipt of item</i>	<b>2020/12/18</b>
- data delle misure <i>date of measurements</i>	<b>2020/12/18</b>
- registro di laboratorio <i>laboratory reference</i>	<b>20-1339-RLA</b>

Il presente certificato di taratura è emesso in base all'accreditamento LAT N° 146 rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT).

ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI).

Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.

*This certificate of calibration is issued in compliance with the accreditation LAT N° 146 granted according to decrees connected with Italian law No. 273/1991 which has established the National Calibration System.*

*ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI).*

*This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.*

I risultati di misura riportati nel presente Certificato sono stati ottenuti applicando le procedure citate alla pagina seguente, dove sono specificati anche i campioni di prima linea da cui inizia la catena di riferibilità del Centro e i rispettivi certificati di taratura, in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.

*The measurement results reported in this Certificate were obtained following the procedures given in the following page, where the reference standards are indicated as well, from which starts the traceability chain of the laboratory, and the related calibration certificates in their course of validity. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.*

Le incertezze di misura dichiarate in questo documento sono state determinate conformemente al documento EA-4/02 e sono espresse come incertezza estesa ottenuta moltiplicando l'incertezza tipo per il fattore di copertura  $k$  corrispondente ad livello di fiducia di circa il 95%. Normalmente tale fattore  $k$  vale 2.

*The measurement uncertainties stated in this document have been determined according to EA-4/02. They were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor  $k$  corresponding to a confidence level of about 95%. Normally, this factor  $k$  is 2.*

Il Responsabile del Centro  
*Head of the Centre*

**CERTIFICATO DI TARATURA LAT 146 12441**  
*Certificate of Calibration*

- data di emissione <i>date of issue</i>	<b>2020/12/18</b>	<p>Il presente certificato di taratura è emesso in base all'accreditamento LAT N° 146 rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI). Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.</p> <p><i>This certificate of calibration is issued in compliance with the accreditation LAT N° 146 granted according to decrees connected with Italian law No. 273/1991 which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI). This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.</i></p>
- cliente <i>customer</i>	<b>Del Barone ing. Andrea</b> Via della Scafa, 29/14 - 65013 Città Sant'Angelo (PE)	
- destinatario <i>receiver</i>	<b>Del Barone ing. Andrea</b>	
- richiesta <i>application</i>	<b>T614/20</b>	
- in data <i>date</i>	<b>2020/12/09</b>	
<u>Si riferisce a</u> <i>referring to</i>		
- oggetto <i>item</i>	<b>Filtro a banda di un terzo d'ottava</b>	
- costruttore <i>manufacturer</i>	<b>LARSON DAVIS</b>	
- modello <i>model</i>	<b>831</b>	
- matricola <i>serial number</i>	<b>0001794</b>	
- data di ricevimento oggetto <i>date of receipt of item</i>	<b>2020/12/18</b>	
- data delle misure <i>date of measurements</i>	<b>2020/12/18</b>	
- registro di laboratorio <i>laboratory reference</i>	<b>20-1340-RLA</b>	

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*The measurement uncertainties stated in this document have been determined according to EA-4/02. They were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor  $k$  corresponding to a confidence level of about 95%. Normally, this factor  $k$  is 2.*

Il Responsabile del Centro  
*Head of the Centre*

**CERTIFICATO DI TARATURA LAT 146 12442**  
*Certificate of Calibration*

- data di emissione <i>date of issue</i>	<b>2020/12/18</b>	<p>Il presente certificato di taratura è emesso in base all'accreditamento LAT N° 146 rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI). Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.</p> <p><i>This certificate of calibration is issued in compliance with the accreditation LAT N° 146 granted according to decrees connected with Italian law No. 273/1991 which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI). This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.</i></p>
- cliente <i>customer</i>	<b>Del Barone ing. Andrea</b> Via della Scafa, 29/14 - 65013 Città Sant'Angelo (PE)	
- destinatario <i>receiver</i>	<b>Del Barone ing. Andrea</b>	
- richiesta <i>application</i>	<b>T593/20</b>	
- in data <i>date</i>	<b>2020/12/09</b>	
<u>Si riferisce a</u> <i>referring to</i>		
- oggetto <i>item</i>	<b>Calibratore</b>	
- costruttore <i>manufacturer</i>	<b>LARSON DAVIS</b>	
- modello <i>model</i>	<b>CAL 200</b>	
- matricola <i>serial number</i>	<b>6788</b>	
- data di ricevimento oggetto <i>date of receipt of item</i>	<b>2020/12/18</b>	
- data delle misure <i>date of measurements</i>	<b>2020/12/18</b>	
- registro di laboratorio <i>laboratory reference</i>	<b>20-1341-RLA</b>	

I risultati di misura riportati nel presente Certificato sono stati ottenuti applicando le procedure citate alla pagina seguente, dove sono specificati anche i campioni di prima linea da cui inizia la catena di riferibilità del Centro e i rispettivi certificati di taratura, in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.

*The measurement results reported in this Certificate were obtained following the procedures given in the following page, where the reference standards are indicated as well, from which starts the traceability chain of the laboratory, and the related calibration certificates in their course of validity. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.*

Le incertezze di misura dichiarate in questo documento sono state determinate conformemente al documento EA-4/02 e sono espresse come incertezza estesa ottenuta moltiplicando l'incertezza tipo per il fattore di copertura  $k$  corrispondente ad livello di fiducia di circa il 95%. Normalmente tale fattore  $k$  vale 2.

*The measurement uncertainties stated in this document have been determined according to EA-4/02. They were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor  $k$  corresponding to a confidence level of about 95%. Normally, this factor  $k$  is 2.*

Il Responsabile del Centro  
*Head of the Centre*