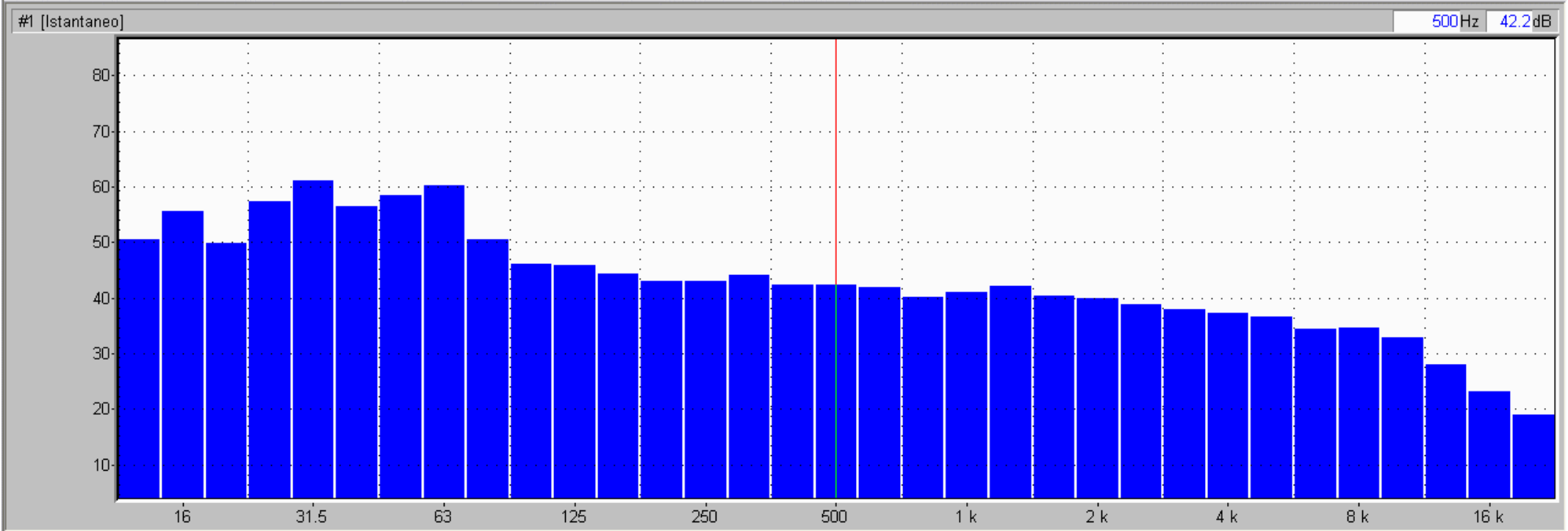


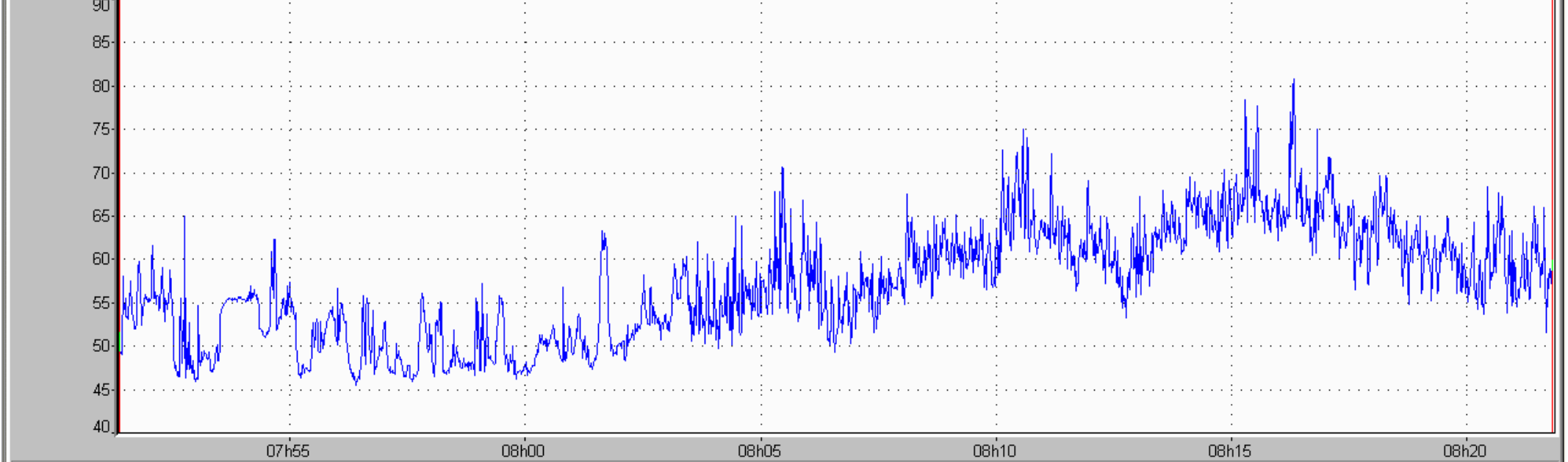
ALLEGATI

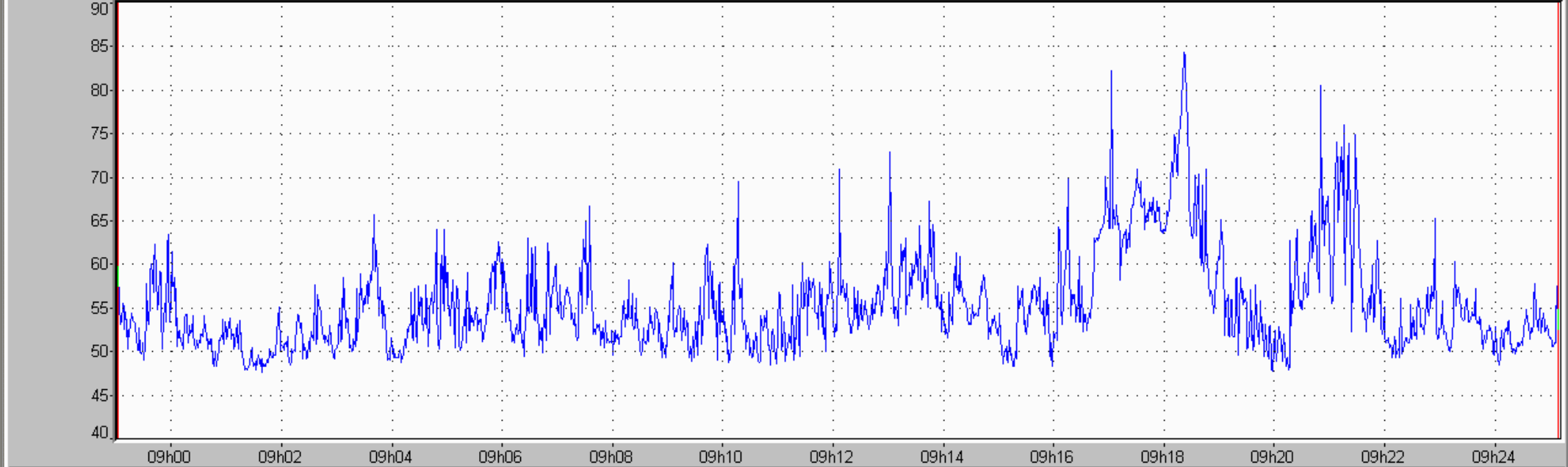
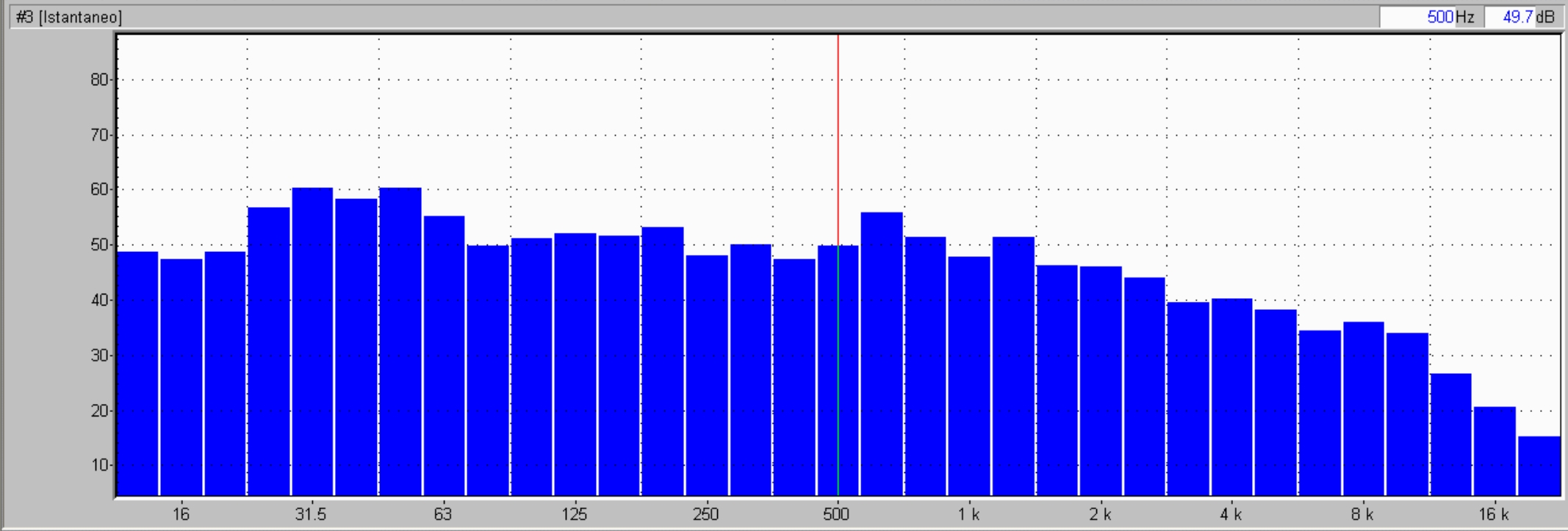
**GRAFICI DELL'ANDAMENTO
TEMPORALE DELLE IMMISSIONI
SONORE RILEVATE**

Principale : 07:51:23 19/01/2010



#1 Leq 1s A MAR 19/01/10 07h51m23 51.5dB MAR 19/01/10 08h21m49 60.0dB

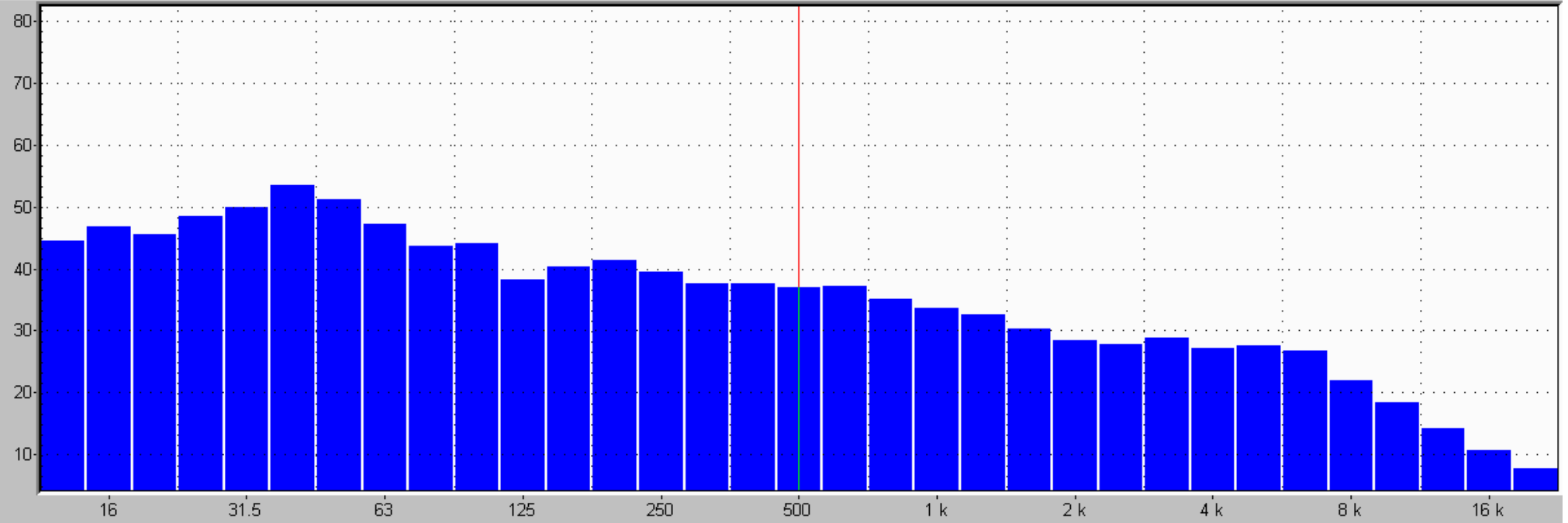




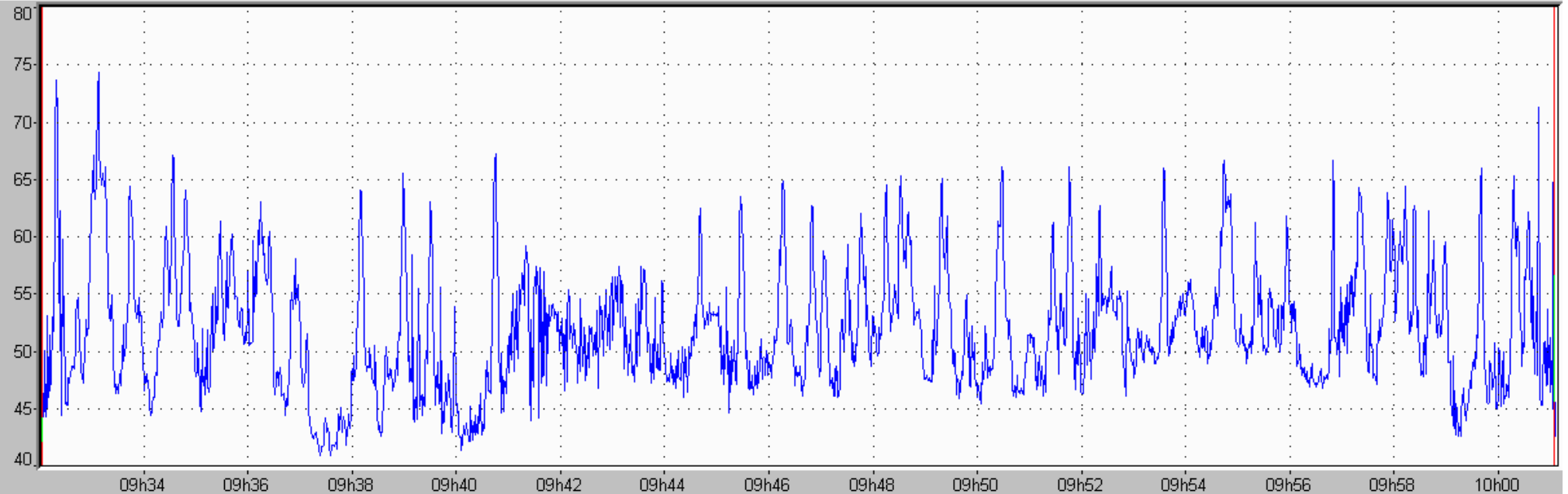
Principale : 09:32:03 19/01/2010



#4 [Istantaneo] 500Hz 36.9dB



#4 Leq 1s A MAR 19/01/10 09h32m03 44.1 dB MAR 19/01/10 10h01m05 48.7 dB

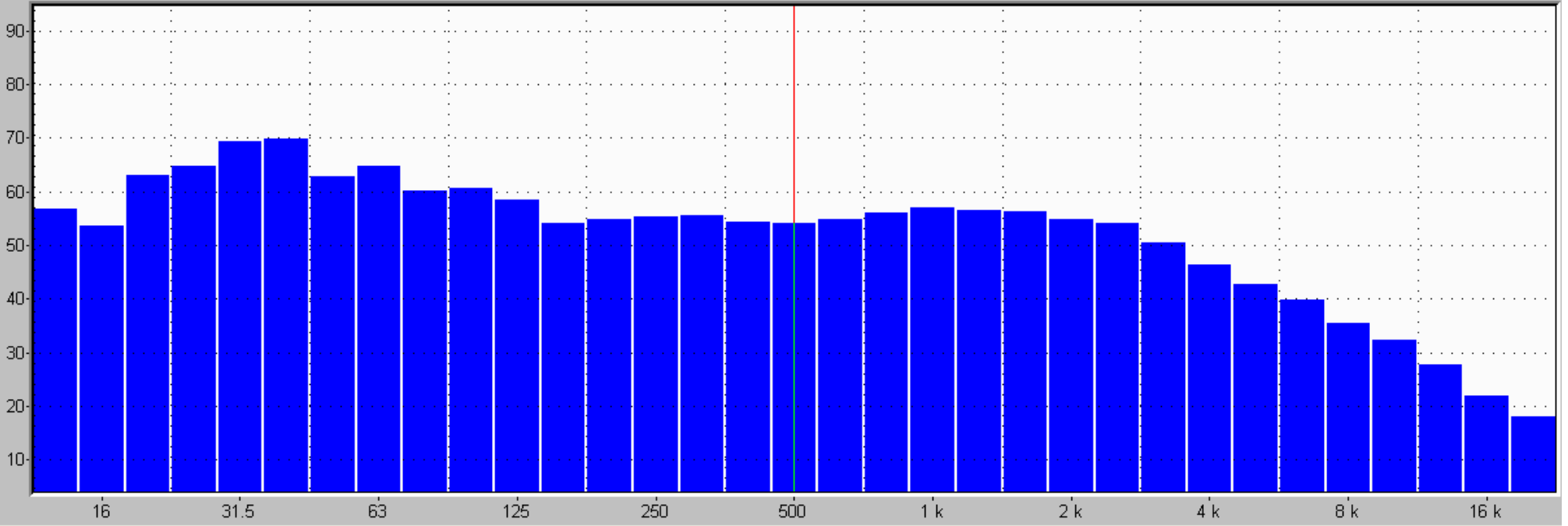


Principale : 10:13:28 19/01/2010



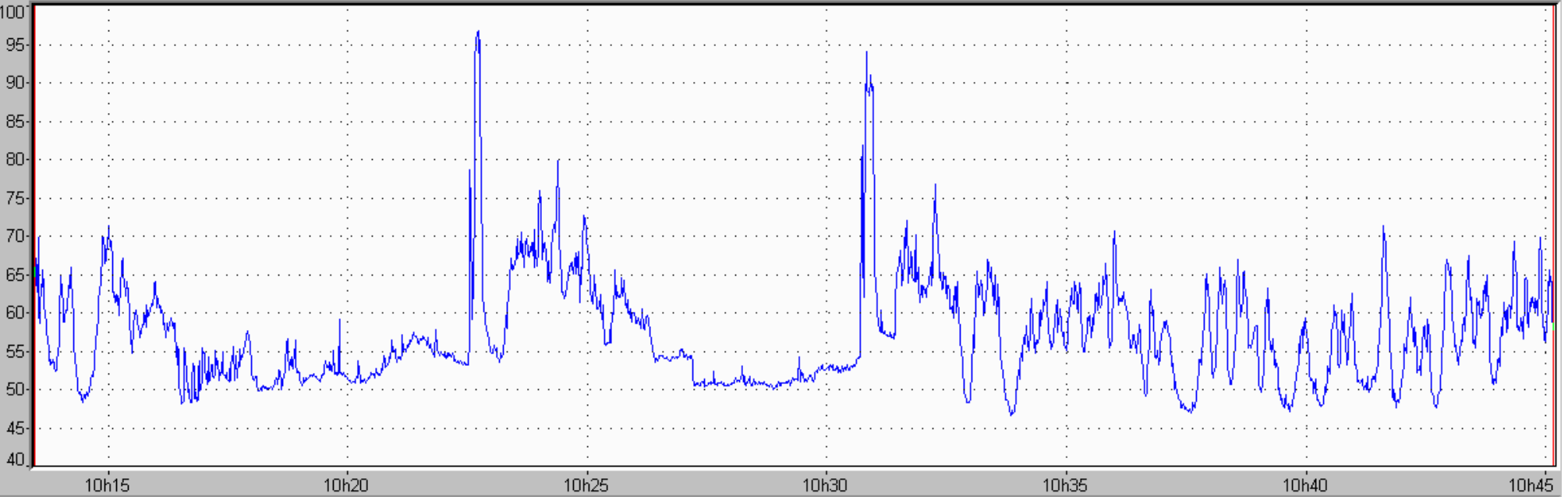
#5 [Istantaneo]

500 Hz 54.0 dB



#5 Leq 1s A

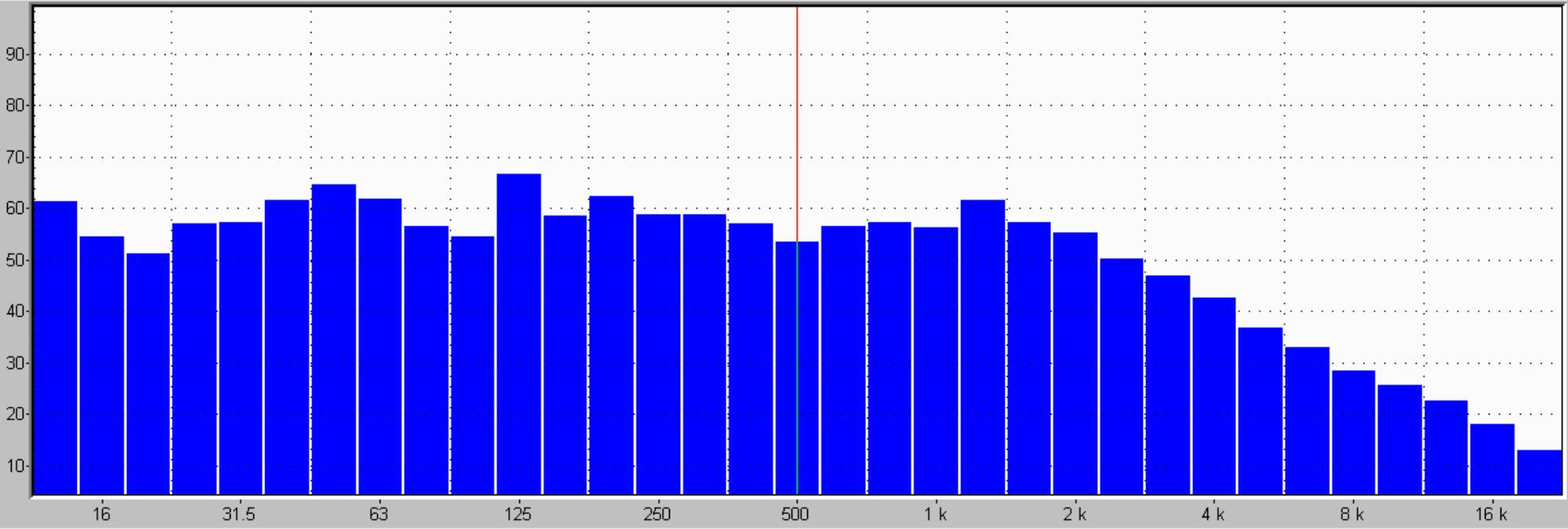
MAR 19/01/10 10h13m28 65.3 dB MAR 19/01/10 10h45m10 57.6 dB



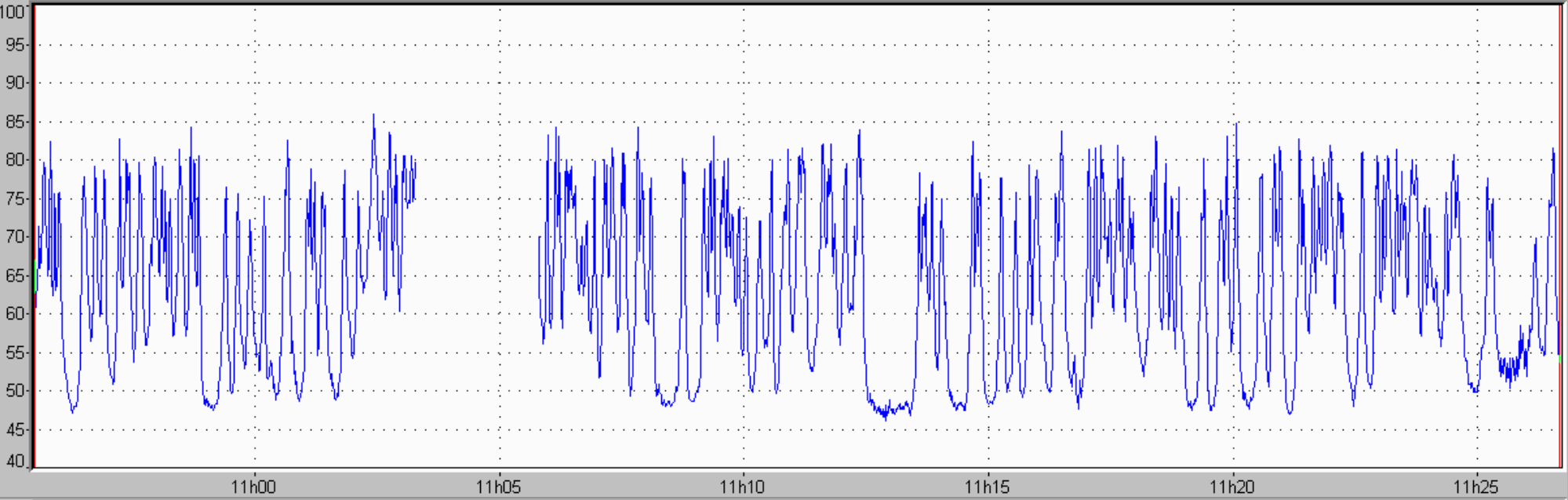
Principale : 10:55:30 19/01/2010

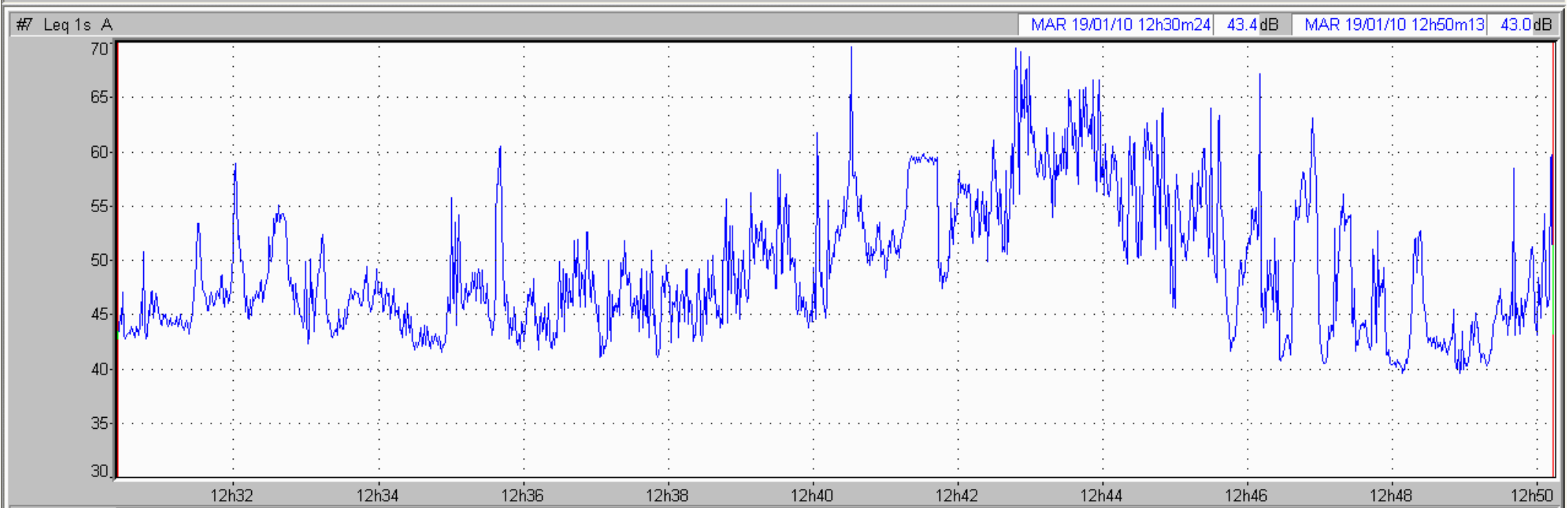
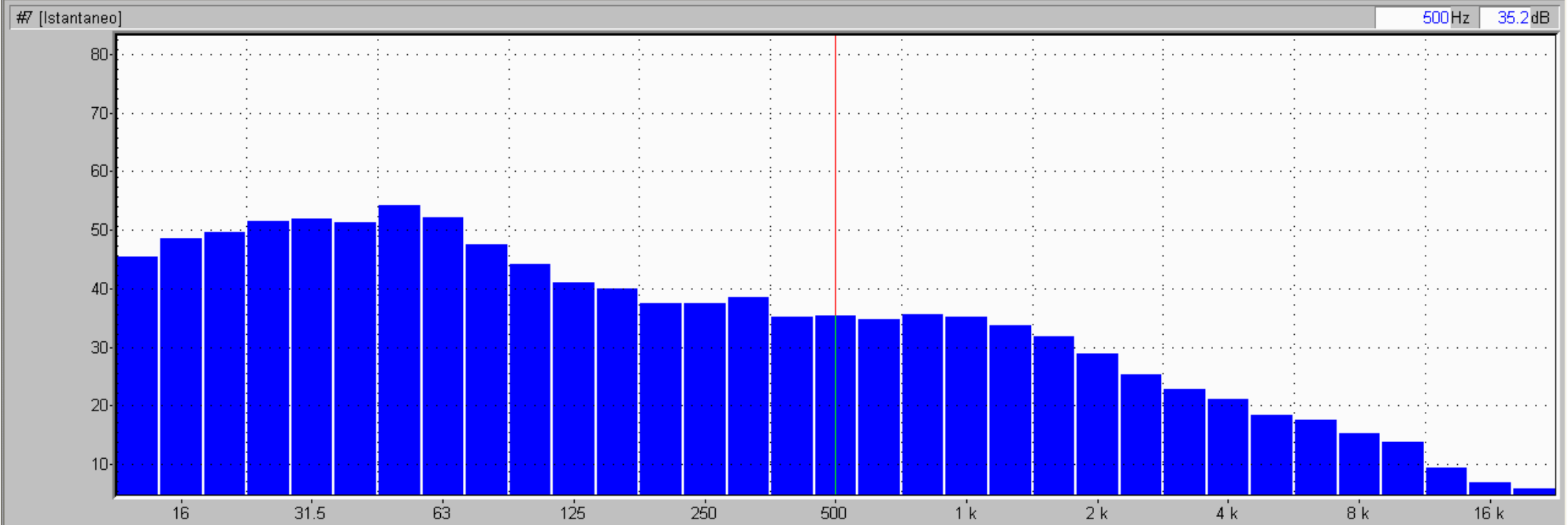


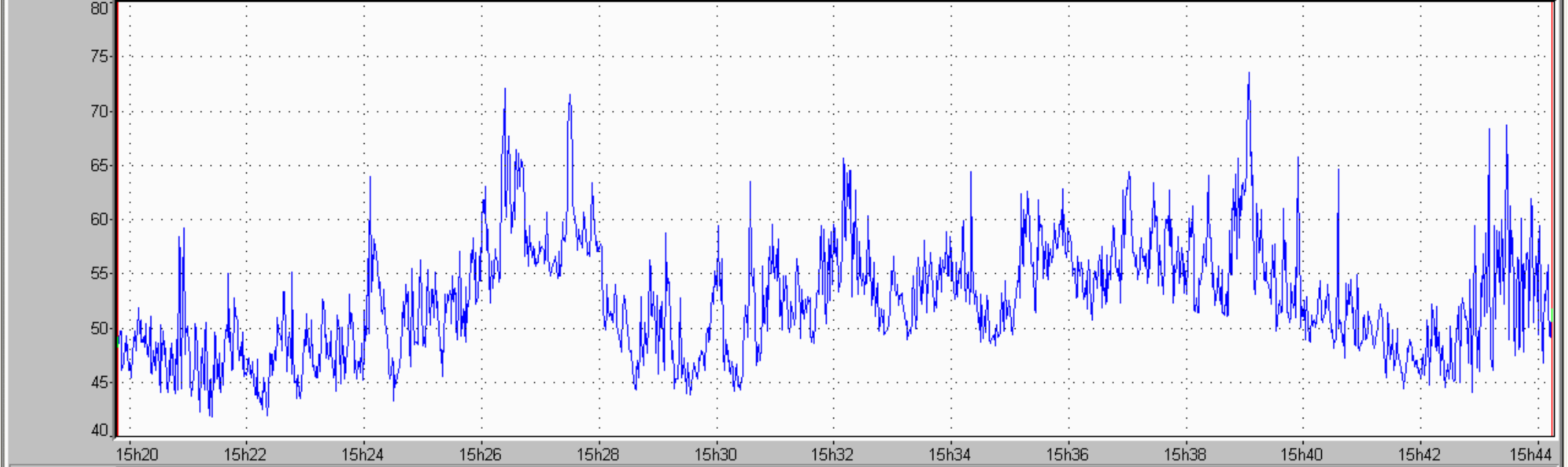
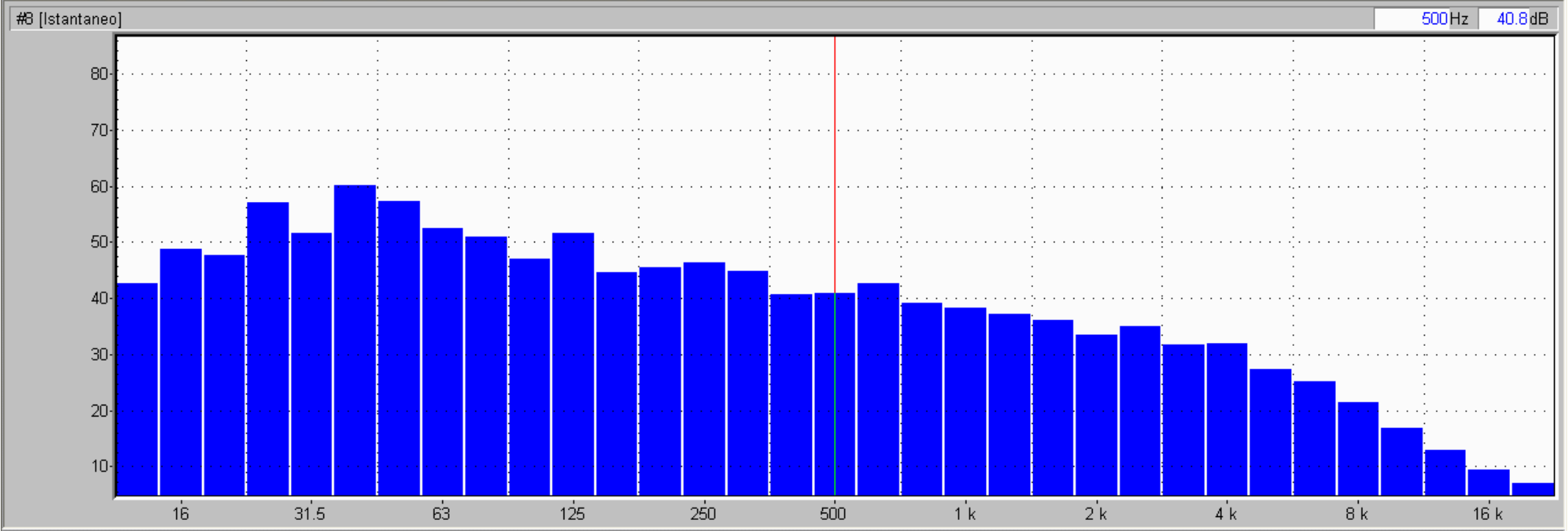
#6 [Istantaneo] 500Hz 53.4dB

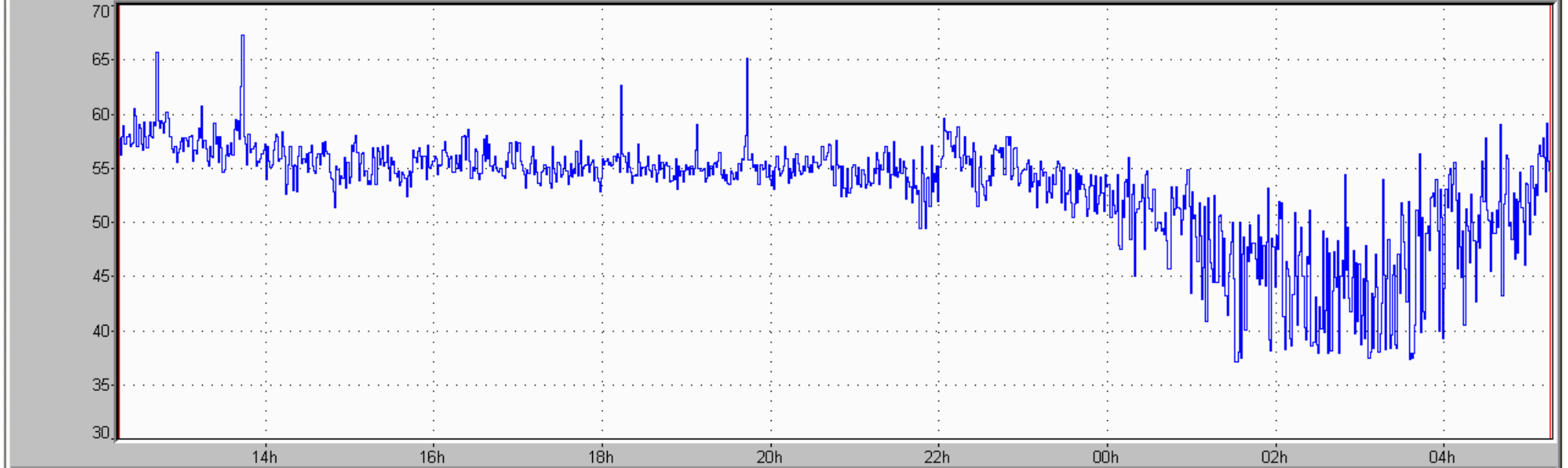
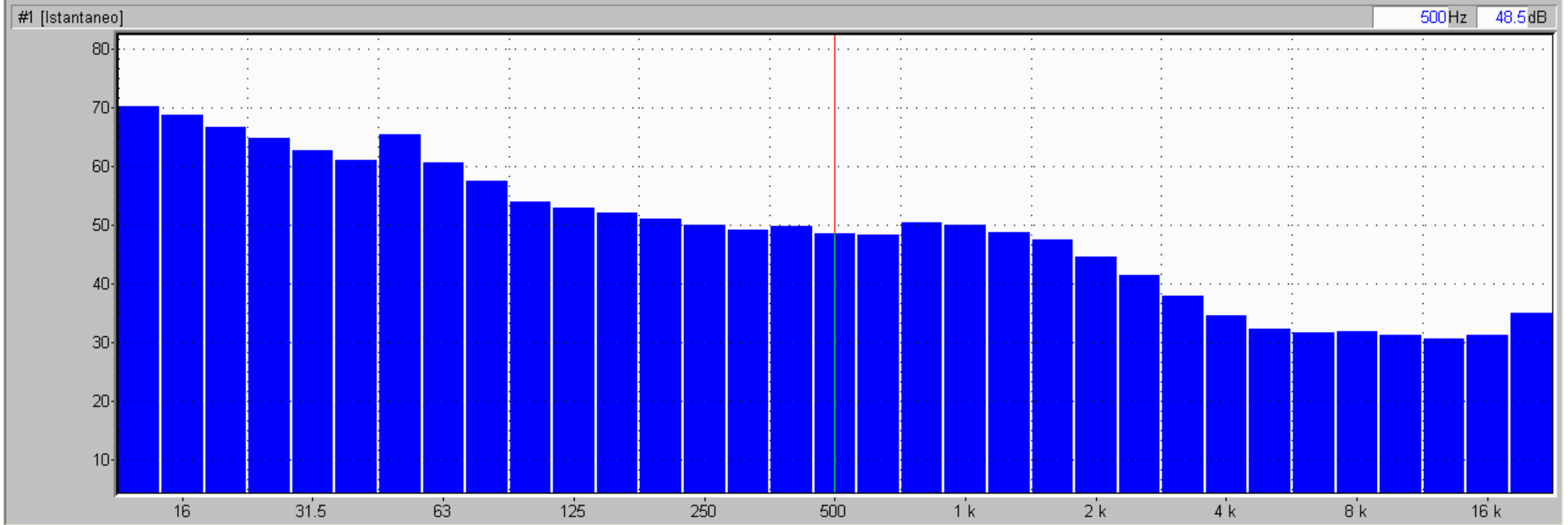


#5 Leq 1s A MAR 19/01/10 10h55m30 66.9dB MAR 19/01/10 11h26m41 53.4dB







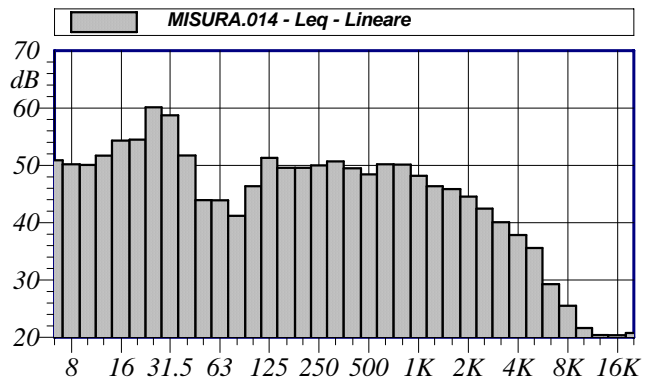


Nome misura: MISURA.014
Località: Osnago stazione
Strumentazione: 831 0001795
Durata misura [s]: 105843.0
Nome operatore: RC
Data, ora misura: 17/03/2010 11.41.07
Over SLM: 0 **Over OBA:** 0

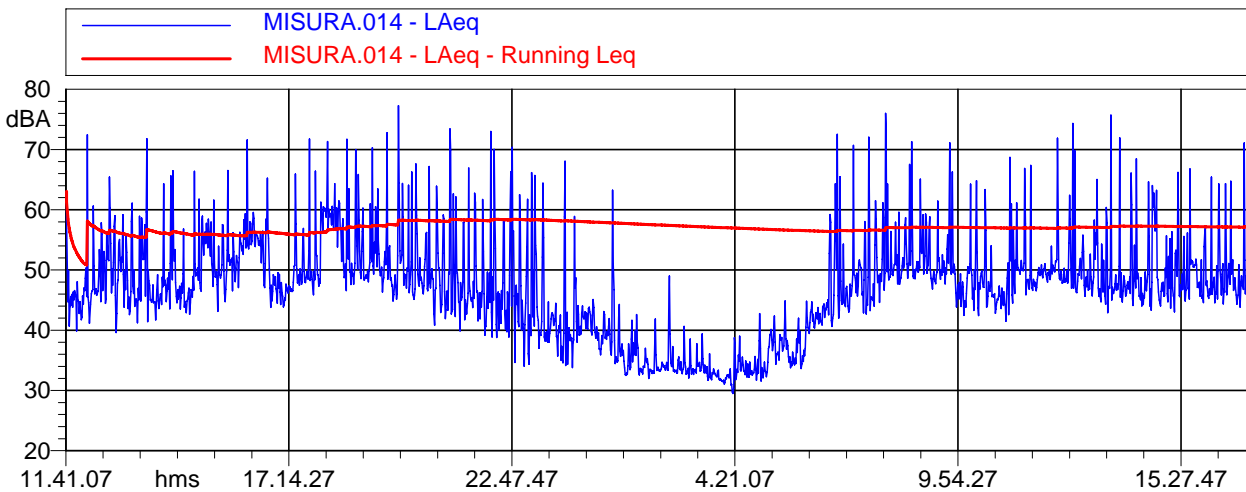
MISURA.014 Leq - Lineare					
dB		dB		dB	
6.3 Hz	50.9 dB	100 Hz	46.4 dB	1600 Hz	45.8 dB
8 Hz	50.2 dB	125 Hz	51.3 dB	2000 Hz	44.5 dB
10 Hz	50.1 dB	160 Hz	49.6 dB	2500 Hz	42.5 dB
12.5 Hz	51.7 dB	200 Hz	49.6 dB	3150 Hz	40.1 dB
16 Hz	54.3 dB	250 Hz	50.0 dB	4000 Hz	37.8 dB
20 Hz	54.5 dB	315 Hz	50.7 dB	5000 Hz	35.6 dB
25 Hz	60.1 dB	400 Hz	49.5 dB	6300 Hz	29.3 dB
31.5 Hz	58.7 dB	500 Hz	48.4 dB	8000 Hz	25.5 dB
40 Hz	51.7 dB	630 Hz	50.2 dB	10000 Hz	21.7 dB
50 Hz	43.9 dB	800 Hz	50.1 dB	12500 Hz	20.4 dB
63 Hz	43.9 dB	1000 Hz	48.2 dB	16000 Hz	20.4 dB
80 Hz	41.2 dB	1250 Hz	46.4 dB	20000 Hz	20.8 dB

L1: 71.3 dBA L5: 61.7 dBA
 L10: 57.9 dBA L50: 47.1 dBA
 L90: 34.5 dBA L95: 33.2 dBA

$L_{Aeq} = 57.2 \text{ dB}$



Annotazioni:



MISURA.014 LAeq			
Nome	Inizio	Durata	Leq
Totale	11.42.07	29:25:00	57.2 dBA
Non Mascherato	11.42.07	29:25:00	57.2 dBA
Mascherato		00:00:00	0.0 dBA

**CERTIFICATO DI TARATURA E
CONFORMITA' DEL FONOMETRO**

SIT

SERVIZIO DI TARATURA IN ITALIA
Italian Calibration Service



CENTRO DI TARATURA 163
Calibration Centre



Laboratorio Certificazioni
Spectra Srl
Via Belvedere, 42
Arcore (MI) - Italia
Tel.: 039 613321
039 6133235
spectra@spectra.it
www.Spectra.it

ESTRATTO DEL CERTIFICATO DI TARATURA N. 4202

Extract of Calibration Certificate No. 4202

Data di Emissione 2009/03/05
Date of Issue
Destinatario EUROGEO Snc
Addresssee
Via G. e G. Paglia, 21
Bergamo

Condizioni ambientali durante la misura

Environmental parameters during measurements

Pressione 957,3 hPa
Temperatura 22,0 °C
Umidità Relativa 40,6 %

Strumenti sottoposti a verifica

Instrumentation under test

Strumento	Costruttore	Modello	N°Serie/Matricola
Calibratore	DELTA OHM	HD 9101	99007135

Il Responsabile del Centro
Head of the Centre

Caglio Emilio

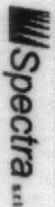


SIT

SERVIZIO DI TARATURA IN ITALIA
Italian Calibration Service



CENTRO DI TARATURA 163
Calibration Centre



Laboratorio Certificazioni
Spectra Srl
Via Belvedere, 42
Arcore (MI) - Italia
Tel.: 039 613321
039 6133235
spectra@spectra.it
www.Spectra.it

ESTRATTO DEL CERTIFICATO DI TARATURA N. 4201

Extract of Calibration Certificate No. 4201

Data di Emissione 2009/03/04
Date of Issue
Destinatario EUROGEO Snc
Addresssee
Via G. e G. Paglia, 21
Bergamo

Condizioni ambientali durante la misura

Environmental parameters during measurements

Pressione 970,5 hPa
Temperatura 23,2 °C
Umidità Relativa 34,6 %

Strumenti sottoposti a verifica

Instrumentation under test

Strumento	Costruttore	Modello	N°Serie/Matricola
Fonometro Microfono Preamplificatore Mic	01 dB 01 dB	01dB SOLO MCE 212 01dB 21S	60229 75362 12950

Il Responsabile del Centro
Head of the Centre

Caglio Emilio



Certificate of Calibration and Conformance

Certificate Number 2009-114572

Instrument Model 831, Serial Number 0001795, was calibrated on 09JAN2009. The instrument meets factory specifications per Procedure D0001.8310, ANSI S1.4-1983 (R 2006) Type 1; S1.4A-1985 ; S1.43-1997 Type 1; S1.11-2004 Octave Band Class 0; S1.25-1991; IEC 61672-2002 Class 1; 60651-2001 Type 1; 60804-2000 Type 1; 61260-2001 Class 0; 61252-2002.

New Instrument

Date Calibrated: 09JAN2009

Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Stanford Research Systems	DS360	61746	12 Months	16JUN2009	61746-061608

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 22 ° Centigrade

Relative Humidity: 34 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

This calibration complies with the requirements of ISO 17025 and ANSI Z540. The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Tested with PRM831-012589

Signed: Ron Harris
Technician: Ron Harris

TAVOLE