

ANEXO 12-II



PRINT OUTS DAS AVALIAÇÕES REALIZADAS

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General Information
Serial Number          01529
Model                  831
Firmware Version      1.505
Filename              ALL.002
User
Job Description
Location

Measurement Description
Start Time            Tuesday, 16 June 2009 16:00:38
Stop Time            Tuesday, 16 June 2009 16:05:38
Duration              00:05:00.0
Run Time              00:05:00.0
Pause                 00:00:00.0
Pre Calibration
Post Calibration      Monday, 01 June 2009 10:19:23
Calibration Deviation None
    
```

Note

Overall Data

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LAeq          87.0      dB
LAFmax        (16 Jun 2009 16:02:05) 107.8    dB
LApeak (max)  (16 Jun 2009 16:02:04) 119.1    dB
LAFmin        (16 Jun 2009 16:05:03) 46.6     dB
LCeq          91.0      dB
LAeq          87.0      dB
LCeq - LAeq   4.1       dB
LAIEq         89.4      dB
LAeq          87.0      dB
LAIEq - LAeq  2.4       dB
Ldn           87.0      dB
LDay 07:00-23:00 87.0      dB
LNight 23:00-07:00 ---       dB
Lden          87.0      dB
LDay 07:00-19:00 87.0      dB
LEvening 19:00-23:00 ---       dB
LNight 23:00-07:00 ---       dB
LAE           111.7     dB
# Overloads   0
Overload Duration 0.0      s
# OBA Overloads 0
OBA Overload Duration 0.0      s
    
```

Statistics

```

LAF5.00          87.3      dBA
LAF10.00         81.6      dBA
LAF33.30         76.3      dBA
LAF50.00         61.8      dBA
LAF66.60         57.0      dBA
LAF90.00         53.0      dBA

SPL 1 65.0 dB (Event Counts / Duration) 10 / 137.0 s
SPL 2 85.0 dB (Event Counts / Duration) 6 / 20.4 s
Peak 1 135.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 2 137.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 3 140.0 dB (Event Counts / Duration) 0 / 0.0 s
    
```

Settings

```

RMS Weight      A Weighting
Peak Weight     A Weighting
Detector        Fast
Preamplifier    FRM031
Integration Method Linear
OBA Range       Normal
OBA Bandwidth   1/1 and 1/3
OBA Freq. Weighting A Weighting
Gain            0      dB

Under Range Limit 26.4      dB
Under Range Peak  76.5      dB
Noise Floor       17.3      dB
Overload          144.5     dB
    
```



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-3.9	23.8	39.1	61.2	67.6	64.5	76.9	84.2	81.8	75.7	68.1	60.3
LAFmax	2.1	32.3	44.4	79.1	87.2	81.4	93.0	105.8	103.2	94.0	83.9	69.3
LAFmin	---	-7.6	12.6	32.9	34.6	36.4	38.5	39.9	38.6	38.4	39.1	37.4

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-14.6	-10.9	-4.8	0.0	10.1	23.5	28.4	35.7	35.7	40.5	58.3	58.1
LAFmax	-13.7	-11.5	1.9	-2.3	6.3	29.1	26.7	37.1	43.4	49.0	76.3	76.5
LAFmin	-22.3	-39.8	-36.9	-26.0	-21.8	-9.5	-3.8	2.3	8.6	19.0	22.4	27.4

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	66.3	61.2	56.8	55.1	57.9	62.8	65.6	65.2	76.5	79.2	78.7	80.1
LAFmax	87.1	79.1	75.0	70.6	76.0	80.5	88.9	87.5	89.7	99.7	99.7	103.3
LAFmin	25.4	27.7	29.2	30.9	29.0	30.0	31.0	31.9	34.7	34.6	35.2	34.7

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	78.5	75.5	75.0	72.2	71.1	67.9	65.6	63.1	58.9	58.7	54.4	45.3
LAFmax	99.8	97.7	96.3	90.3	88.9	85.0	82.3	78.2	73.5	68.2	61.5	51.3
LAFmin	33.6	33.2	32.8	32.9	33.5	33.8	34.2	34.2	33.9	33.4	32.3	31.0

Calibration History			
Preamp	Date		dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23		-26.9
PRM831	01 Jun 2009 10:18:55		-26.9
PRM831	28 May 2009 16:23:01		-26.8
PRM831	28 May 2009 14:32:04		-26.9
PRM831	28 May 2009 15:22:19		-26.9
PRM831	28 May 2009 10:21:53		-26.8
PRM831	15 May 2009 11:37:08		-26.9
PRM831	10 May 2009 19:32:31		-26.9
PRM831	30 Apr 2009 14:23:43		-26.8
PRM831	18 Mar 2009 10:10:26		-26.9
PRM831	11 Feb 2009 13:16:22		-27.3

E.A. History			
Preamp	Date		dB re. 1V/Pa
PRM831	28 May 2009 16:24:16		-39.5
PRM831	28 May 2009 16:23:58		-41.1
PRM831	28 May 2009 16:23:39		-41.1
PRM831	11 Nov 2008 16:40:48		-41.1



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General information
Serial Number                01529
Model                        831
Firmware Version            1.505
Filename                     ALL.003
User
Job Description
Location

Measurement Description
Start Time                   Tuesday, 16 June 2009 16:07:39
Stop Time                    Tuesday, 16 June 2009 16:12:39
Duration                      00:05:00.0
Run Time                     00:05:00.0
Pause                         00:00:00.0
Pre Calibration               Monday, 01 June 2009 10:19:23
Post Calibration              None
Calibration Deviation        ---
  
```

Note

Overall Data

LAEq		62.3	dB
LAFmax	(16 Jun 2009 16:12:15)	83.4	dB
LAPeak (max)	(16 Jun 2009 16:12:15)	108.7	dB
LAFmin	(16 Jun 2009 16:08:41)	45.9	dB
LCEq		73.8	dB
LAEq		62.3	dB
LCEq - LAeq		11.5	dB
LALeq		68.9	dB
LAEq		62.3	dB
LALeq - LAeq		6.6	dB
Ldn		62.3	dB
LDay 07:00-23:00		62.3	dB
LNight 23:00-07:00		---	dB
Lden		62.3	dB
LDay 07:00-19:00		---	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		87.1	dB
# Overloads		0	s
Overload Duration		0.0	s
# OBA Overloads		0	s
OBA Overload Duration		0.0	s

Statistics

LAF5.00	67.8	dB
LAF10.00	64.2	dB
LAF33.30	58.6	dB
LAF50.00	56.0	dB
LAF66.60	53.5	dB
LAF90.00	49.6	dB
SPL 1 65.0 dB (Event Counts / Duration)	23 / 33.4	s
SPL 2 85.0 dB (Event Counts / Duration)	0 / 0.0	s
Peak 1 135.0 dB (Event Counts / Duration)	0 / 0.0	s
Peak 2 137.0 dB (Event Counts / Duration)	0 / 0.0	s
Peak 3 140.0 dB (Event Counts / Duration)	0 / 0.0	s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Fast	
Preamp	PM931	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	A Weighting	
Gain	0	dB
Under Range Limit	26.4	dB
Under Range Peak	76.5	dB
Noise Floor	17.3	dB
Overload	144.5	dB



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-10.0	13.0	30.9	46.4	52.2	52.3	57.3	55.5	53.8	52.0	48.0	39.7
LAFmax	-4.6	21.2	35.6	52.1	57.4	61.9	71.5	71.5	76.5	79.8	76.9	65.3
LAFmin	---	-9.3	12.6	31.2	34.8	32.9	37.5	39.9	38.5	38.2	39.1	37.3

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-14.9	-14.6	-11.5	-3.3	6.3	11.8	16.7	22.2	30.0	35.4	40.3	44.7
LAFmax	-14.6	-12.7	-5.8	9.0	24.8	17.8	24.9	28.3	30.7	50.8	51.3	42.7
LAFmin	-20.4	-36.8	-39.9	-31.5	-19.7	-13.2	-8.1	3.2	6.6	14.9	20.4	25.4

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	46.0	48.6	47.4	46.8	44.8	49.7	48.7	53.7	53.5	51.8	49.7	50.1
LAFmax	56.5	55.2	53.3	54.1	54.5	61.4	64.5	69.3	71.3	69.6	68.4	66.3
LAFmin	25.7	28.2	27.5	26.8	28.0	27.7	29.3	32.0	32.7	33.3	34.9	34.5

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	49.6	48.4	49.3	47.6	47.0	46.8	46.7	42.4	38.7	36.8	34.6	32.0
LAFmax	69.4	71.7	74.0	74.3	75.6	76.6	76.7	71.8	65.8	63.7	59.4	54.0
LAFmin	33.9	32.8	32.7	32.8	32.8	33.6	34.0	34.1	33.9	33.4	32.4	30.9

Calibration History			dB re. 1V/Pa
Preamp	Date		
PRM831	01 Jun 2009 10:19:23		-26.9
PRM831	01 Jun 2009 10:18:55		-26.9
PRM831	28 May 2009 16:23:01		-26.8
PRM831	28 May 2009 14:32:04		-26.9
PRM831	28 May 2009 15:22:19		-26.9
PRM831	28 May 2009 10:21:53		-26.8
PRM831	15 May 2009 11:37:08		-26.9
PRM831	10 May 2009 19:32:31		-26.9
PRM831	30 Apr 2009 14:23:43		-26.8
PRM831	18 Mar 2009 10:10:26		-26.9
PRM831	11 Feb 2009 13:16:22		-27.3

S.A. History			dB re. 1V/Pa
Preamp	Date		
PRM831	28 May 2009 16:24:16		-39.5
PRM831	28 May 2009 16:23:58		-41.1
PRM831	28 May 2009 16:23:39		-41.1
PRM831	11 Nov 2008 16:40:48		-41.1



General Information

Serial Number	01529
Model	831
Firmware Version	1.505
Filename	ALL.010
User	
Job Description	
Location	

Measurement Description

Start Time	Tuesday, 16 June 2009 23:48:56
Stop Time	Tuesday, 16 June 2009 23:51:08
Duration	00:02:12.5
Run Time	00:02:11.0
Pause	00:00:01.5
Pre Calibration	Monday, 01 June 2009 10:19:23
Post Calibration	None
Calibration Deviation	---

Note

Overall Data

L _{Aeq}		72.0	dB
L _{AFmax}	(16 Jun 2009 23:49:39)	85.7	dB
L _{AFpeak (max)}	(16 Jun 2009 23:50:00)	101.6	dB
L _{AFmin}	(16 Jun 2009 23:50:25)	51.9	dB
L _{Ceq}		76.2	dB
L _{Aeq}		72.0	dB
L _{Ceq} - L _{Aeq}		4.2	dB
L _{AFeq}		78.3	dB
L _{Aeq}		72.0	dB
L _{AFeq} - L _{Aeq}		6.3	dB
L _{dn}		72.0	dB
L _{Day} 07:00-23:00		---	dB
L _{Night} 23:00-07:00		72.0	dB
L _{den}		72.0	dB
L _{Day} 07:00-19:00		---	dB
L _{Evening} 19:00-23:00		---	dB
L _{Night} 23:00-07:00		72.0	dB
L _{AE}		93.2	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

L _{AF5.00}		79.6	dB(A)
L _{AF10.00}		77.0	dB(A)
L _{AF33.30}		66.0	dB(A)
L _{AF50.00}		61.8	dB(A)
L _{AF66.60}		59.3	dB(A)
L _{AF90.00}		55.1	dB(A)

SPL 1 65.0 dB (Event Counts / Duration)	19 / 54.0 s
SPL 2 85.0 dB (Event Counts / Duration)	2 / 0.8 s
Peak 1 135.0 dB (Event Counts / Duration)	0 / 0.0 s
Peak 2 137.0 dB (Event Counts / Duration)	0 / 0.0 s
Peak 3 140.0 dB (Event Counts / Duration)	0 / 0.0 s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Fast	
Preamp	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	A Weighting	
Gain	0	dB

Under Range Limit	26.4	dB
Under Range Peak	76.5	dB
Noise Floor	17.3	dB
Overload	144.5	dB



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-10.9	2.6	29.6	44.3	53.5	57.9	67.3	67.3	65.1	59.5	49.9	39.0
LAFmax	-4.6	19.5	40.7	58.6	63.8	73.2	79.5	77.7	80.5	80.2	70.8	50.9
LAFmin	-29.0	-14.1	7.6	27.8	34.2	40.6	44.8	45.8	44.8	40.4	39.1	37.4

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-15.2	-15.3	-12.9	-9.6	-4.0	1.2	10.8	21.8	28.6	36.9	38.9	41.5
LAFmax	-10.2	-10.6	-7.6	1.6	15.3	17.4	28.8	30.9	39.8	51.2	54.2	56.5
LAFmin	-19.7	-39.8	-30.9	-23.2	-27.0	-21.2	-9.0	-3.7	6.5	14.4	21.1	21.0

1/3 Spectra												
Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	46.0	51.0	48.1	50.6	54.2	53.7	55.8	64.0	64.0	60.6	63.7	62.7
LAFmax	60.5	60.7	57.9	65.7	72.0	71.4	69.4	78.6	73.6	75.7	75.5	75.7
LAFmin	24.7	28.1	29.0	32.1	34.6	34.9	37.1	38.1	40.2	40.7	40.1	39.9

1/3 Spectra												
Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	62.2	59.2	58.9	57.1	53.1	52.1	48.0	43.5	39.4	36.1	33.8	31.5
LAFmax	75.6	73.3	76.4	75.6	76.1	73.9	68.9	63.5	57.9	49.9	41.1	34.1
LAFmin	40.9	40.2	38.6	36.7	34.6	34.3	34.2	34.1	34.0	33.3	32.4	30.9

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23	-26.9
PRM831	01 Jun 2009 10:18:55	-26.9
PRM831	28 May 2009 16:23:01	-26.8
PRM831	28 May 2009 14:32:04	-26.9
PRM831	28 May 2009 15:22:19	-26.9
PRM831	28 May 2009 10:21:53	-26.8
PRM831	15 May 2009 11:37:08	-26.9
PRM831	10 May 2009 19:32:31	-26.9
PRM831	30 Apr 2009 14:23:43	-26.8
PRM831	18 Mar 2009 10:10:26	-26.9
PRM831	11 Feb 2009 13:16:22	-27.3

C.A. History

Preamp	Date	dB re. 1V/Pa
PRM831	28 May 2009 16:24:16	-39.5
PRM831	28 May 2009 16:23:58	-41.1
PRM831	28 May 2009 16:23:39	-41.1
PRM831	11 Nov 2008 16:40:48	-41.1



General Information			
Serial Number		01529	
Model		831	
Firmware Version		1.505	
Filename		ALL.006	
User			
Job Description			
Location			
Measurement Description			
Start Time		Tuesday, 16 June 2009 23:17:01	
Stop Time		Tuesday, 16 June 2009 23:22:01	
Duration		00:05:00.0	
Run Time		00:04:56.3	
Pause		00:00:03.7	
Pre Calibration		Monday, 01 June 2009 10:19:23	
Post Calibration		None	
Calibration Deviation		---	
Note			
Overall Data			
L _{Aeq}		54.3	dB
L _{AFmax}	(16 Jun 2009 23:19:07)	65.8	dB
L _{APeak (max)}	(16 Jun 2009 23:17:08)	76.5	dB
L _{AFmin}	(16 Jun 2009 23:21:58)	42.9	dB
L _{Ceq}		71.8	dB
L _{Aeq}		54.3	dB
L _{Ceq} - L _{Aeq}		17.5	dB
L _{A1eq}		55.9	dB
L _{Aeq}		54.3	dB
L _{A1eq} - L _{Aeq}		1.6	dB
L _{dn}		54.3	dB
L _{Day} 07:00-23:00		---	dB
L _{Night} 23:00-07:00		54.3	dB
L _{den}		54.3	dB
L _{Day} 07:00-19:00		---	dB
L _{Evening} 19:00-23:00		---	dB
L _{Night} 23:00-07:00		54.3	dB
L _{AS}		79.0	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s
Statistics			
L _{AF5.00}		59.9	dBA
L _{AF10.00}		58.5	dBA
L _{AF33.30}		53.0	dBA
L _{AF50.00}		50.7	dBA
L _{AF66.60}		49.0	dBA
L _{AF90.00}		46.1	dBA
SPL 1 65.0 dB (Event Counts / Duration)		3 / 1.5 s	
SPL 2 85.0 dB (Event Counts / Duration)		0 / 0.0 s	
Peak 1 135.0 dB (Event Counts / Duration)		0 / 0.0 s	
Peak 2 137.0 dB (Event Counts / Duration)		0 / 0.0 s	
Peak 3 140.0 dB (Event Counts / Duration)		0 / 0.0 s	
Settings			
RMS Weight		A Weighting	
Peak Weight		A Weighting	
Detector		Fast	
Preamp		FRM831	
Integration Method		Linear	
OBA Range		Normal	
OBA Bandwidth		1/1 and 1/3	
OBA Freq. Weighting		A Weighting	
Gain		0	dB
Under Range Limit		26.4	dB
Under Range Peak		76.5	dB
Noise Floor		17.3	dB
Overload		144.5	dB



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
L _{Aeq}	-9.7	8.0	28.3	45.6	48.6	46.4	46.1	46.9	44.3	40.7	39.7	37.7
L _{AFmax}	5.7	21.1	29.9	55.3	53.9	51.2	53.0	52.6	46.3	41.3	39.9	37.8
L _{AFmin}	-39.8	-15.6	8.5	29.4	30.7	28.6	35.7	37.0	37.2	38.0	38.8	37.3

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
L _{Aeq}	-15.0	-14.1	-11.6	-5.2	0.2	7.0	10.9	23.4	26.4	34.2	40.0	43.8
L _{AFmax}	-10.9	-5.3	3.4	8.4	11.4	20.9	22.6	23.9	28.7	49.5	52.9	54.4
L _{AFmin}	-21.6	---	-36.9	-22.9	-37.0	-21.0	-10.7	-5.7	4.9	12.4	18.4	21.7

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
L _{Aeq}	44.1	44.3	43.3	42.9	41.5	40.3	40.5	41.4	42.0	41.6	42.2	42.6
L _{AFmax}	49.6	53.3	50.2	49.3	44.2	42.6	50.5	47.9	46.9	49.1	48.6	46.8
L _{AFmin}	21.5	24.0	22.6	22.0	20.9	24.0	27.6	30.2	30.4	30.5	31.8	32.1

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
L _{Aeq}	40.9	39.0	38.2	36.7	35.8	35.3	35.1	35.0	34.6	34.0	33.1	31.4
L _{AFmax}	43.1	40.6	39.9	37.6	36.4	36.1	35.6	35.6	35.2	34.4	33.4	31.6
L _{AFmin}	31.7	31.8	31.9	32.3	32.8	33.5	33.9	33.8	33.8	33.3	32.4	30.9

Calibration History		
Preamp	Date	dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23	-26.9
PRM831	01 Jun 2009 10:18:55	-26.9
PRM831	28 May 2009 16:23:01	-26.8
PRM831	28 May 2009 14:32:04	-26.9
PRM831	28 May 2009 15:22:19	-26.9
PRM831	28 May 2009 10:21:53	-26.8
PRM831	15 May 2009 11:37:08	-26.9
PRM831	10 May 2009 19:32:31	-26.9
PRM831	30 Apr 2009 14:23:43	-26.8
PRM831	18 Mar 2009 10:10:26	-26.9
PRM831	11 Feb 2009 13:16:22	-27.3

E.A. History		
Preamp	Date	dB re. 1V/Pa
PRM831	28 May 2009 16:24:16	-39.5
PRM831	28 May 2009 16:23:58	-41.1
PRM831	28 May 2009 16:23:39	-41.1
PRM831	11 Nov 2008 16:40:48	-41.1



```

General Information
Serial Number          01529
Model                  831
Firmware Version      1.505
Filename              ALL.015
User
Job Description
Location

Measurement Description
Start Time             Wednesday, 17 June 2009 11:05:16
Stop Time              Wednesday, 17 June 2009 11:10:16
Duration               00:05:00.0
Run Time               00:05:00.0
Pause                 00:00:00.0
Pre Calibration
Post Calibration       Monday, 01 June 2009 10:19:23
Calibration Deviation None
  
```

Note

Overall Data

```

LAeq          62.3      dB
LAFmax        (17 Jun 2009 11:08:18) 76.6      dB
LAPeak (max)  (17 Jun 2009 11:08:18) 90.7      dB
LAFmin        (17 Jun 2009 11:06:25) 46.2      dB
LCeq          69.9      dB
LAeq          62.3      dB
LCeq - LAeq   7.6       dB
LALeq        69.6      dB
LAeq         62.3      dB
LALeq - LAeq  7.3       dB
Ldn           62.3      dB
LDay 07:00-23:00 62.3      dB
LNight 23:00-07:00 ---      dB
Lden          62.3      dB
LDay 07:00-19:00 62.3      dB
LEvening 19:00-23:00 ---      dB
LNight 23:00-07:00 ---      dB
LAE           87.1      dB
# Overloads    0
Overload Duration 0.0      s
# OBA Overloads 0
OBA Overload Duration 0.0      s
  
```

Statistics

```

LAF5.00      68.8      dBA
LAF10.00     65.7      dBA
LAF33.30     59.9      dBA
LAF50.00     57.3      dBA
LAF66.60     54.7      dBA
LAF90.00     51.1      dBA

SPL 1 65.0 dB (Event Counts / Duration) 66 / 51.7 s
SPL 2 85.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 1 135.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 2 137.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 3 140.0 dB (Event Counts / Duration) 0 / 0.0 s
  
```

Settings

```

RMS Weight      A Weighting
Peak Weight     A Weighting
Detector        Fast
Preamp          PRM831
Integration Method Linear
OBA Range       Normal
OBA Bandwidth   1/1 and 1/3
OBA Freq. Weighting A Weighting
Gain            0      dB

Under Range Limit 26.4      dB
Under Range Peak  76.5      dB
Noise Floor       17.3      dB
Overload         144.5      dB
  
```



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-8.3	7.0	24.8	41.0	46.7	50.9	58.5	58.2	50.2	47.0	41.6	37.9
LAFmax	-5.0	12.7	23.9	43.7	49.3	52.6	72.0	75.1	62.4	53.3	45.7	39.1
LAFmin	-39.8	-10.5	8.8	28.2	34.1	37.2	38.8	40.1	38.6	38.4	39.1	37.3

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-14.6	-12.8	-10.0	-5.3	-1.0	6.0	13.2	18.8	23.2	31.0	36.7	38.3
LAFmax	-12.0	-8.8	-8.3	-2.9	4.2	10.9	11.4	12.6	23.9	25.6	32.2	42.5
LAFmin	-22.6	---	-35.1	-22.8	-22.7	-16.0	-5.3	-0.8	7.0	11.1	19.6	24.1

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	41.1	41.6	42.9	47.1	44.9	46.1	50.1	54.0	55.6	53.5	55.5	49.2
LAFmax	39.1	46.0	47.6	51.2	45.3	45.3	54.5	63.1	71.6	68.2	75.0	56.3
LAFmin	24.3	27.3	28.9	29.8	30.3	30.9	32.6	33.9	34.2	34.6	34.9	35.4

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	47.3	45.0	43.2	43.1	42.4	41.2	37.8	36.8	35.5	34.4	33.0	31.4
LAFmax	61.4	58.5	50.9	51.9	46.5	44.5	43.9	40.3	37.4	36.4	33.8	31.8
LAFmin	34.5	33.5	33.1	32.6	33.1	33.6	34.1	34.1	33.9	33.3	32.3	30.9

Calibration History			
Preamp	Date		dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23		-26.9
PRM831	01 Jun 2009 10:18:55		-26.9
PRM831	28 May 2009 16:23:01		-26.8
PRM831	28 May 2009 14:32:04		-26.9
PRM831	28 May 2009 15:22:19		-26.9
PRM831	28 May 2009 10:21:53		-26.8
PRM831	15 May 2009 11:37:08		-26.9
PRM831	10 May 2009 19:32:31		-26.9
PRM831	30 Apr 2009 14:23:43		-26.8
PRM831	18 Mar 2009 10:10:26		-26.9
PRM831	11 Feb 2009 13:16:22		-27.3

S.A. History			
Preamp	Date		dB re. 1V/Pa
PRM831	28 May 2009 16:24:16		-39.5
PRM831	28 May 2009 16:23:58		-41.1
PRM831	28 May 2009 16:23:39		-41.1
PRM831	11 Nov 2008 16:40:48		-41.1



General Information

Serial Number	01529
Model	831
Firmware Version	1.505
Filename	ALL.014
User	
Job Description	
Location	

Measurement Description

Start Time	Wednesday, 17 June 2009 10:53:43
Stop Time	Wednesday, 17 June 2009 10:58:44
Duration	00:05:00.0
Run Time	00:05:00.0
Pause	00:00:00.0
Pre Calibration	Monday, 01 June 2009 10:19:23
Post Calibration	None
Calibration Deviation	---

Note

Overall Data

L _{Aeq}		60.7	dB
L _{Afmax}	(17 Jun 2009 10:53:45)	73.3	dB
L _{Apeak} (max)	(17 Jun 2009 10:55:26)	87.0	dB
L _{Afmin}	(17 Jun 2009 10:56:54)	44.3	dB
L _{Ceq}		74.1	dB
L _{Aeq}		60.7	dB
L _{Ceq} - L _{Aeq}		13.4	dB
L _{A1eq}		65.4	dB
L _{Aeq}		60.7	dB
L _{A1eq} - L _{Aeq}		4.7	dB
L _{dn}		60.7	dB
L _{Day} 07:00-23:00		60.7	dB
L _{Night} 23:00-07:00		---	dB
L _{den}		60.7	dB
L _{Day} 07:00-19:00		60.7	dB
L _{Evening} 19:00-23:00		---	dB
L _{Night} 23:00-07:00		---	dB
L _{AE}		85.5	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

L _{AP5.00}		66.7	dBA
L _{AP10.00}		64.5	dBA
L _{AP33.30}		60.2	dBA
L _{AP50.00}		57.6	dBA
L _{AP66.60}		54.8	dBA
L _{AP90.00}		49.0	dBA
SPL 1 65.0 dB (Event Counts / Duration)	38 /	37.3 s	
SPL 2 85.0 dB (Event Counts / Duration)	0 /	0.0 s	
Peak 1 135.0 dB (Event Counts / Duration)	0 /	0.0 s	
Peak 2 137.0 dB (Event Counts / Duration)	0 /	0.0 s	
Peak 3 140.0 dB (Event Counts / Duration)	0 /	0.0 s	

Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Fast		
Preamp	PRM331		
Integration Method	Linear		
OBA Range	Normal		
OBA Bandwidth	1/1 and 1/3		
OBA Freq. Weighting	A Weighting		
Gain	0		dB
Under Range Limit		25.4	dB
Under Range Peak		76.5	dB
Noise Floor		17.3	dB
Overload		144.5	dB



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LReq	-12.1	7.3	30.1	47.1	53.4	50.1	55.2	55.0	51.1	46.2	41.0	37.8
LAFmax	-10.2	10.2	44.0	60.9	72.7	61.7	59.8	65.3	57.4	54.3	42.3	38.3
LAFmin	---	-12.1	12.6	29.9	34.0	33.4	36.3	38.2	36.4	37.9	39.0	37.3

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LReq	-15.4	-15.5	-13.5	-7.4	-1.6	6.5	13.5	20.5	29.4	38.3	41.0	45.1
LAFmax	-14.6	-14.5	-11.3	-1.7	11.5	9.7	19.8	27.9	43.8	46.9	51.9	60.7
LAFmin	-20.1	-31.4	-36.9	-32.2	-26.0	-18.1	-5.6	2.3	5.7	15.4	21.2	24.6

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LReq	42.6	49.0	50.9	46.4	45.2	43.8	47.9	50.8	51.9	50.5	50.6	49.6
LAFmax	51.6	55.6	72.6	58.5	58.7	52.1	50.1	48.9	60.0	61.4	61.7	62.2
LAFmin	26.0	25.1	25.5	27.2	27.5	26.4	29.0	30.7	30.5	32.7	32.6	32.2

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LReq	47.9	46.1	44.2	43.2	41.5	38.4	37.1	36.3	35.2	34.2	33.0	31.4
LAFmax	57.0	49.6	45.6	54.2	42.8	40.8	39.0	37.1	36.0	35.3	33.1	31.7
LAFmin	31.3	31.3	31.6	31.9	33.0	33.6	33.9	33.9	34.0	33.3	32.4	30.9

Calibration History		
Preamp	Date	dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23	-26.9
PRM831	01 Jun 2009 10:18:55	-26.9
PRM831	28 May 2009 16:23:01	-26.8
PRM831	28 May 2009 14:32:04	-26.9
PRM831	28 May 2009 15:22:19	-26.9
PRM831	28 May 2009 10:21:53	-26.8
PRM831	15 May 2009 11:37:08	-26.9
PRM831	10 May 2009 19:32:31	-26.9
PRM831	30 Apr 2009 14:23:43	-26.8
PRM831	18 Mar 2009 10:10:26	-26.9
PRM831	11 Feb 2009 13:16:22	-27.3

K.A. History		
Preamp	Date	dB re. 1V/Pa
PRM831	28 May 2009 16:24:16	-39.5
PRM831	28 May 2009 16:23:58	-41.1
PRM831	28 May 2009 16:23:39	-41.1
PRM831	11 Nov 2008 16:40:48	-41.1



```

General Information
Serial Number          01529
Model                  831
Firmware Version      1.505
Filename              ALL.007
User
Job Description
Location

Measurement Description
Start Time            Tuesday, 16 June 2009 23:22:52
Stop Time             Tuesday, 16 June 2009 23:27:52
Duration              00:05:00.0
Run Time              00:03:52.3
Pause                 00:01:07.7
Pre Calibration
Post Calibration      Monday, 01 June 2009 10:19:23
Calibration Deviation  None
    
```

Note

Overall Data

```

LReq                  55.0      dB
LAPmax                (16 Jun 2009 23:23:13) 66.0      dB
LAPeak (max)         (16 Jun 2009 23:26:42) 80.5      dB
LAPmin                (16 Jun 2009 23:25:43) 44.0      dB
LCeq                  70.7      dB
LReq                  55.0      dB
LCeq - LReq          15.7      dB
LAReq                 56.9      dB
LReq                  55.0      dB
LAReq - LReq         1.9       dB
Ldn                   55.0      dB
LDay 07:00-23:00    ---       dB
LNight 23:00-07:00 55.0      dB
Lden                   55.0      dB
LDay 07:00-19:00    ---       dB
LEvening 19:00-23:00 ---       dB
LNight 23:00-07:00 55.0      dB
LAE                   78.6      dB
# Overloads          0
Overload Duration    0.0      s
# OBA Overloads      0
OBA Overload Duration 0.0      s
    
```

Statistics

```

LAF5.00              60.5      dBA
LAF10.00             58.7      dBA
LAF33.30             54.6      dBA
LAF50.00             52.8      dBA
LAF66.60             49.8      dBA
LAF90.00             46.8      dBA

SPL 1 65.0 dB (Event Counts / Duration) 1 / 0.7 s
SPL 2 85.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 1 135.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 2 137.0 dB (Event Counts / Duration) 0 / 0.0 s
Peak 3 140.0 dB (Event Counts / Duration) 0 / 0.0 s
    
```

Settings

```

RMS Weight           A Weighting
Peak Weight           A Weighting
Detector              Fast
Preamp               FRM031
Integration Method    Linear
OBA Range             Normal
OBA Bandwidth         1/1 and 1/3
OBA Freq. Weighting  A Weighting
Gain                  0      dB

Under Range Limit    26.4      dB
Under Range Peak     76.5      dB
Noise Floor          17.3      dB
Overload             144.5     dB
    
```



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-12.2	6.2	28.0	44.9	48.8	47.3	46.7	48.9	44.9	41.1	39.8	37.7
LAFmax	-14.5	18.1	27.7	63.6	60.4	59.0	50.9	52.4	45.8	41.1	39.9	37.9
LAFmin	---	-13.0	8.7	28.9	34.0	32.0	35.7	39.6	37.6	38.0	38.9	36.6

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-15.4	-15.5	-14.1	-6.9	-0.8	5.1	12.8	17.8	27.5	32.0	37.7	43.7
LAFmax	-15.1	-12.1	-12.6	-9.4	6.6	16.9	20.0	21.6	27.7	43.8	58.7	63.7
LAFmin	-20.1	-30.3	-30.3	-26.1	---	-17.4	-7.5	-5.8	3.8	10.2	18.1	26.2

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	40.8	44.6	45.5	42.2	42.7	42.8	41.6	41.0	43.1	44.2	44.5	43.6
LAFmax	51.7	52.4	59.8	53.9	56.7	55.3	44.6	41.7	50.1	47.7	49.4	47.0
LAFmin	26.5	26.0	27.3	26.1	26.2	25.6	26.7	29.7	32.5	33.4	34.2	33.9

Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	41.4	40.0	38.5	36.9	36.2	35.7	35.3	35.0	34.7	34.0	33.1	31.4
LAFmax	42.3	41.6	39.8	37.8	36.4	36.6	35.7	35.4	35.0	34.3	33.4	31.7
LAFmin	32.9	31.8	31.9	32.1	33.0	33.4	33.8	34.1	33.7	32.7	32.4	30.3

Calibration History			
Preamp	Date		dB re. 1V/Pa
PRM831	01 Jun 2009 10:19:23		-26.9
PRM831	01 Jun 2009 10:18:55		-26.9
PRM831	28 May 2009 16:23:01		-26.8
PRM831	28 May 2009 14:32:04		-26.9
PRM831	28 May 2009 15:22:19		-26.9
PRM831	28 May 2009 10:21:53		-26.8
PRM831	15 May 2009 11:37:08		-26.9
PRM831	10 May 2009 19:32:31		-26.9
PRM831	30 Apr 2009 14:23:43		-26.8
PRM831	18 Mar 2009 10:10:26		-26.9
PRM831	11 Feb 2009 13:16:22		-27.3

E.A. History			
Preamp	Date		dB re. 1V/Pa
PRM831	28 May 2009 16:24:16		-39.5
PRM831	28 May 2009 16:23:58		-41.1
PRM831	28 May 2009 16:23:39		-41.1
PRM831	11 Nov 2008 16:40:48		-41.1



General Information

Serial Number	01529
Model	831
Firmware Version	1.505
Filename	ALL.008
User	
Job Description	
Location	

Measurement Description

Start Time	Tuesday, 16 June 2009 23:28:15
Stop Time	Tuesday, 16 June 2009 23:33:15
Duration	00:05:00.0
Run Time	00:05:00.0
Pause	00:00:00.0
Pre Calibration	Monday, 01 June 2009 10:19:23
Post Calibration	None
Calibration Deviation	---

Note

Overall Data

L _{Aeq}		60.2	dB
L _{AFmax}	(16 Jun 2009 23:28:50)	81.8	dB
L _{Apeak} (max)	(16 Jun 2009 23:28:49)	97.1	dB
L _{AFmin}	(16 Jun 2009 23:32:03)	43.9	dB
L _{Ceq}		70.3	dB
L _{Aeq}		60.2	dB
L _{Ceq} - L _{Aeq}		10.1	dB
L _{A1eq}		63.0	dB
L _{Aeq}		60.2	dB
L _{A1eq} - L _{Aeq}		2.8	dB
L _{dn}		60.2	dB
L _{Day} 07:00-23:00		---	dB
L _{Night} 23:00-07:00		60.2	dB
L _{den}		60.2	dB
L _{Day} 07:00-19:00		---	dB
L _{Evening} 19:00-23:00		---	dB
L _{Night} 23:00-07:00		60.2	dB
L _{AS}		85.0	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

L _{AF5.00}	61.3	dB(A)
L _{AF10.00}	59.2	dB(A)
L _{AF33.30}	54.6	dB(A)
L _{AF50.00}	52.4	dB(A)
L _{AF66.60}	50.4	dB(A)
L _{AF90.00}	46.7	dB(A)

SPL 1 85.0 dB (Event Counts / Duration)	5 / 7.0 s
SPL 2 85.0 dB (Event Counts / Duration)	0 / 0.0 s
Peak 1 135.0 dB (Event Counts / Duration)	0 / 0.0 s
Peak 2 137.0 dB (Event Counts / Duration)	0 / 0.0 s
Peak 3 140.0 dB (Event Counts / Duration)	0 / 0.0 s

Settings

RMS Weighting	A Weighting	
Peak Weighting	A Weighting	
Detector	Fast	
Preamplifier	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	A Weighting	
Gain	0	dB

Under Range Limit	26.4	dB
Under Range Peak	76.5	dB
Noise Floor	17.3	dB
Overload	144.5	dB



1/1 Spectra												
Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1000	2000	4000	8000	16K
LAeq	-12.1	5.1	26.8	42.5	46.9	54.4	56.7	52.4	49.0	42.4	39.9	37.7
LAFmax	-11.5	-1.5	23.0	48.2	64.6	76.2	78.0	73.7	73.7	63.7	52.1	38.6
LAFmin	---	-13.8	8.7	25.6	31.2	30.4	35.8	39.6	37.5	38.3	39.1	37.3

1/3 Spectra												
Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LAeq	-15.4	-15.6	-13.9	-9.4	-3.5	4.3	13.4	20.4	25.4	32.5	37.1	40.5
LAFmax	-15.2	-16.3	-14.0	-9.9	-5.0	-2.1	4.0	19.4	23.1	38.1	48.1	37.3
LAFmin	-20.0	---	-35.1	-26.1	-31.5	-20.4	-11.0	0.3	4.9	12.0	17.9	21.6

1/1 Spectra (continued)												
Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1000	1250
LAeq	40.1	42.5	43.2	42.7	46.1	53.3	54.0	49.3	50.8	48.7	46.7	46.7
LAFmax	48.3	64.6	47.5	60.2	68.3	75.4	75.0	73.1	72.8	69.2	68.2	68.8
LAFmin	22.7	23.7	24.4	22.3	24.2	26.3	28.3	29.7	31.4	33.3	34.6	34.0

1/1 Spectra (continued)												
Freq. (Hz):	1600	2000	2500	3150	4000	5000	6300	8000	10K	12.5K	16K	20K
LAeq	46.0	43.7	41.7	39.0	37.3	36.2	35.6	35.2	34.7	34.0	33.1	31.4
LAFmax	70.4	68.4	66.5	62.1	58.1	54.1	50.3	47.2	38.2	35.6	33.5	31.8
LAFmin	32.8	32.4	32.6	32.4	33.1	33.6	34.0	34.2	33.8	33.3	32.4	30.9

Calibration History		
Preamp	Date	dB re. 1V/Pa
FRM831	01 Jun 2009 10:19:23	-26.9
FRM831	01 Jun 2009 10:18:55	-26.9
FRM831	28 May 2009 16:23:01	-26.8
FRM831	28 May 2009 14:32:04	-26.9
FRM831	28 May 2009 15:22:19	-26.9
FRM831	28 May 2009 10:21:53	-26.8
FRM831	15 May 2009 11:37:08	-26.9
FRM831	10 May 2009 19:32:31	-26.9
FRM831	30 Apr 2009 14:23:43	-26.8
FRM831	16 Mar 2009 10:10:26	-26.9
FRM831	11 Feb 2009 13:16:22	-27.3

S.A. History		
Preamp	Date	dB re. 1V/Pa
FRM831	28 May 2009 16:24:16	-39.5
FRM831	28 May 2009 16:23:58	-41.1
FRM831	28 May 2009 16:23:39	-41.1
FRM831	11 Nov 2008 16:40:48	-41.1

