13.5 Noise Data

Site Number: BA001			
Recorded By: Kelly Chiene			
Job Number: 130100			
Date: 4/11/13			
Time: 10:17 a.m.			
Location: Huntington Continental Apartments along Adams Avenue			
Source of Peak Noise: Traffic along Adams Avenue; dogs; people walking by; skateboarder.			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
65.2	44.6	81.0	99.8

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**2548189**	**11/14/2007**	
	Microphone	**Brüel & Kjær**	**4189**	**2543364**	**11/15/2007**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**4265**	**7/18/2006**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**7/31/2006**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** ☼
	Note: dBA Offset =0.05		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	1.5	65	79.90

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		04/11/2013 09:17:28
End Time:		04/11/2013 09:32:28
Elapsed Time:		00:15:00
Bandwidth:		1/3-octave
Max Input Level:		138.83

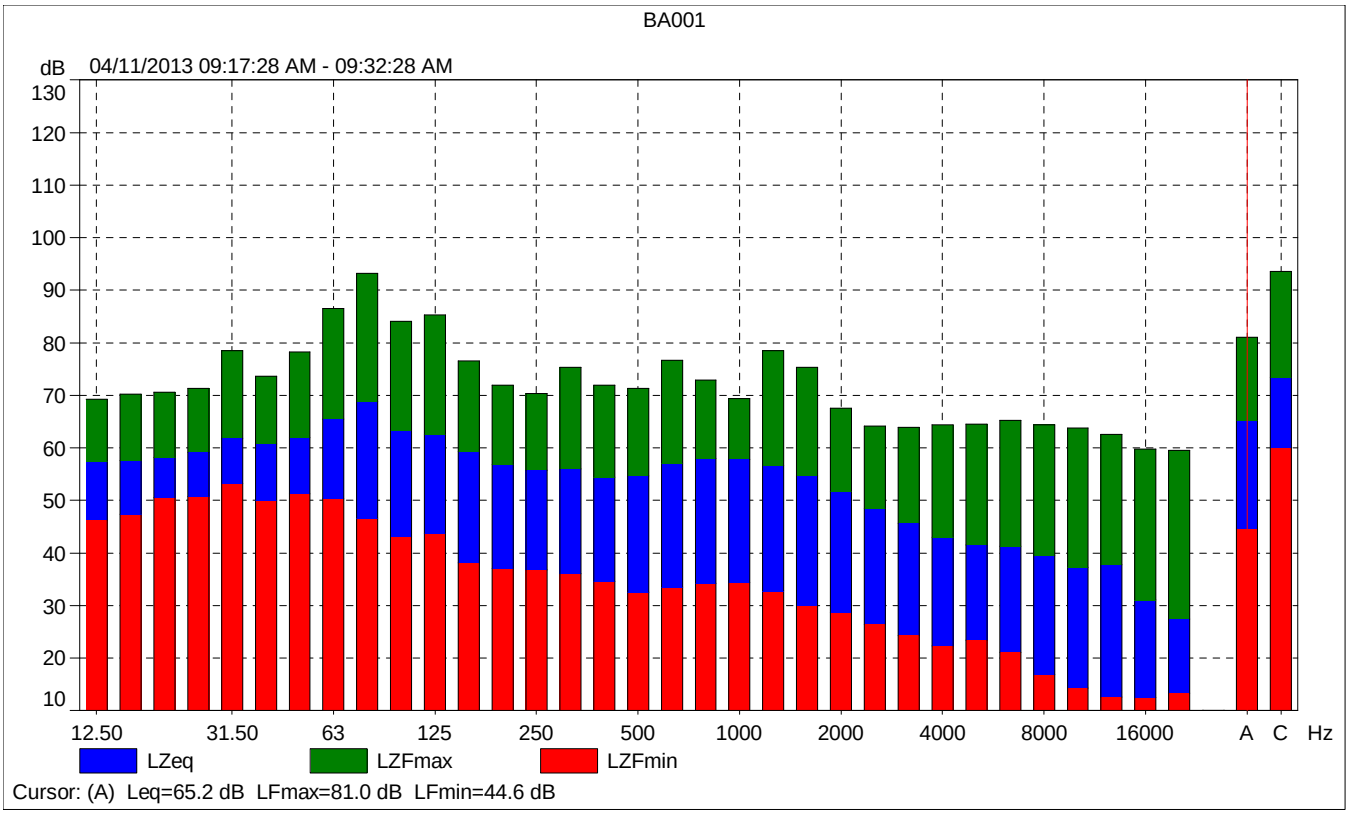
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

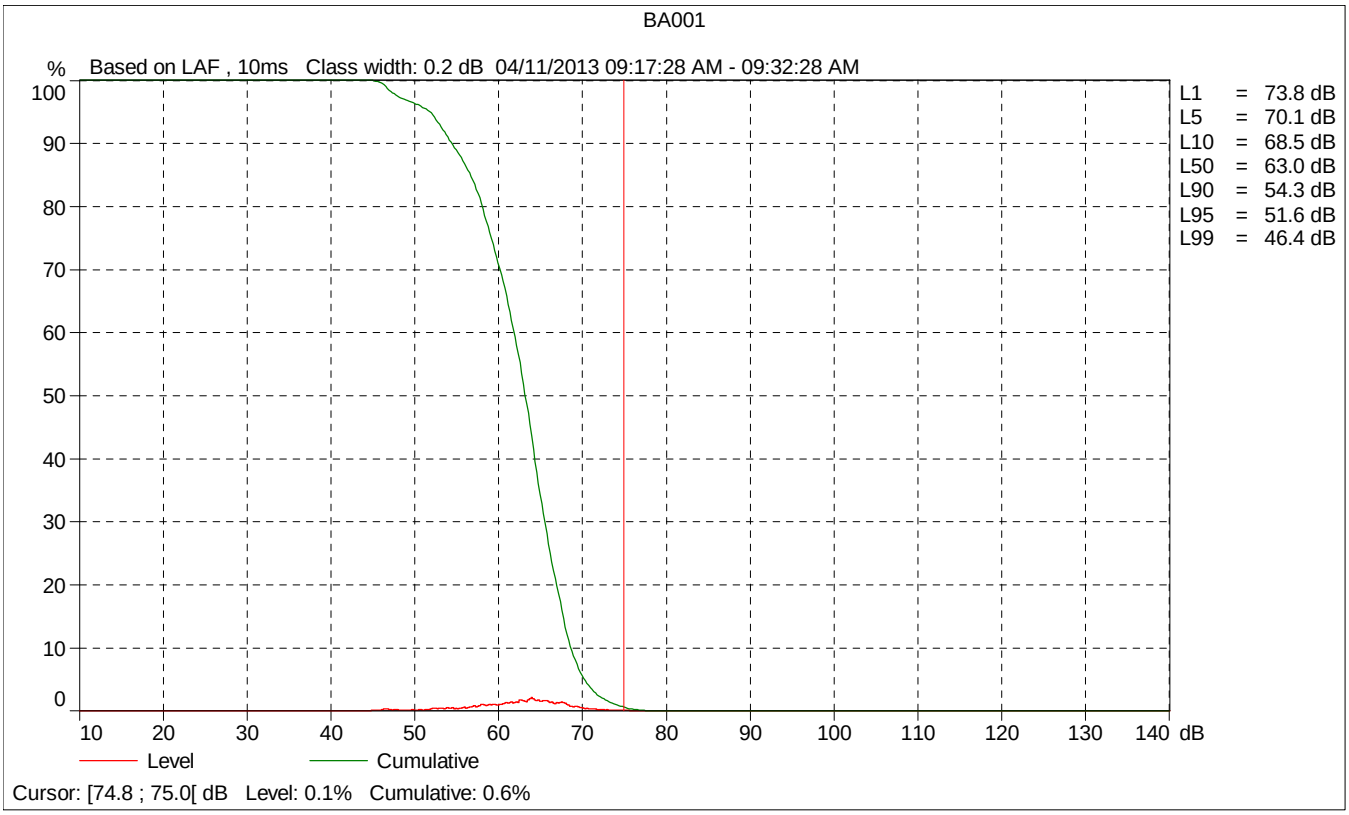
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

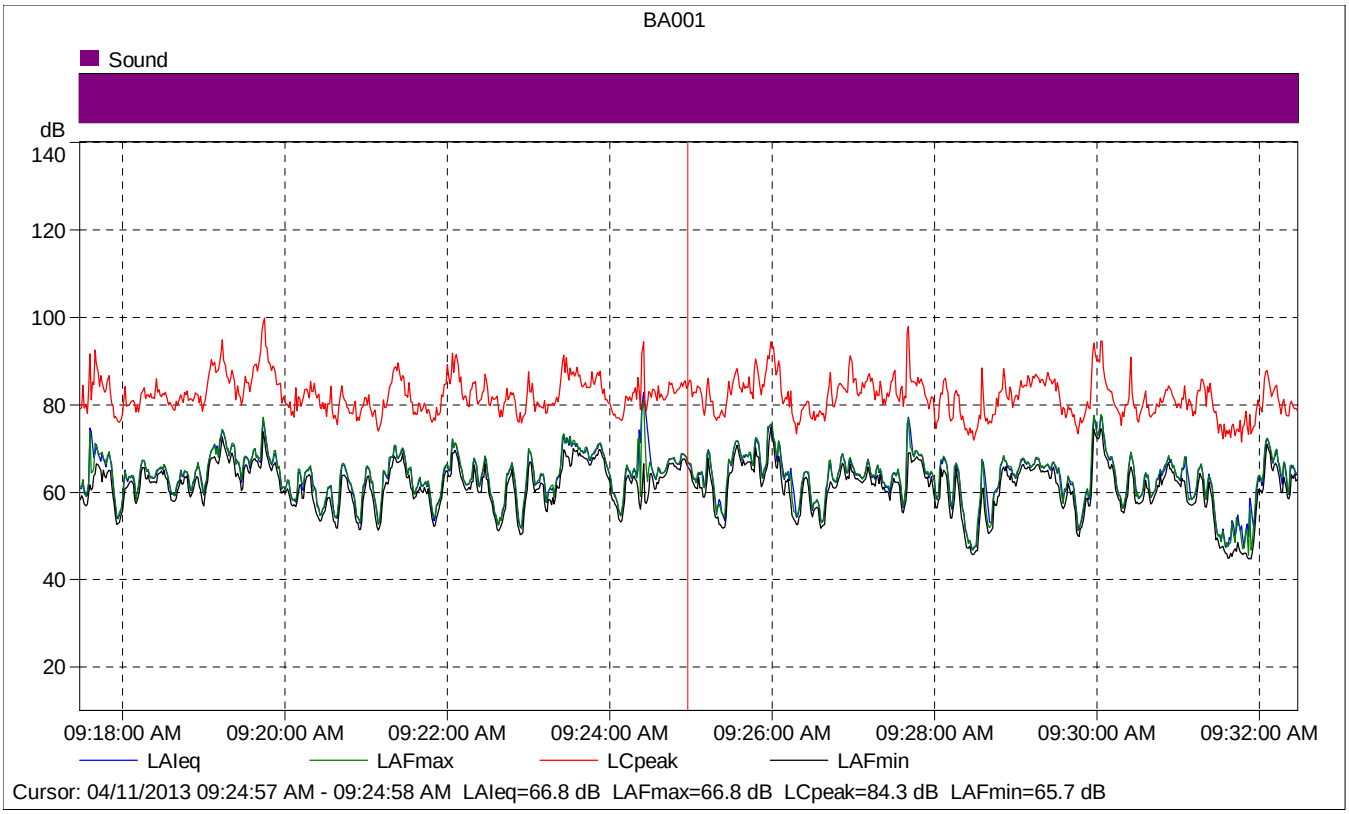
Calibration Time:		04/10/2013 16:41:38
Calibration Type:		External reference
Sensitivity:		63.68 mV/Pa

BA001

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	65.2	81.0	44.6
Time	09:17:28 AM	09:32:28 AM	0:15:00				
Date	04/11/2013	04/11/2013					

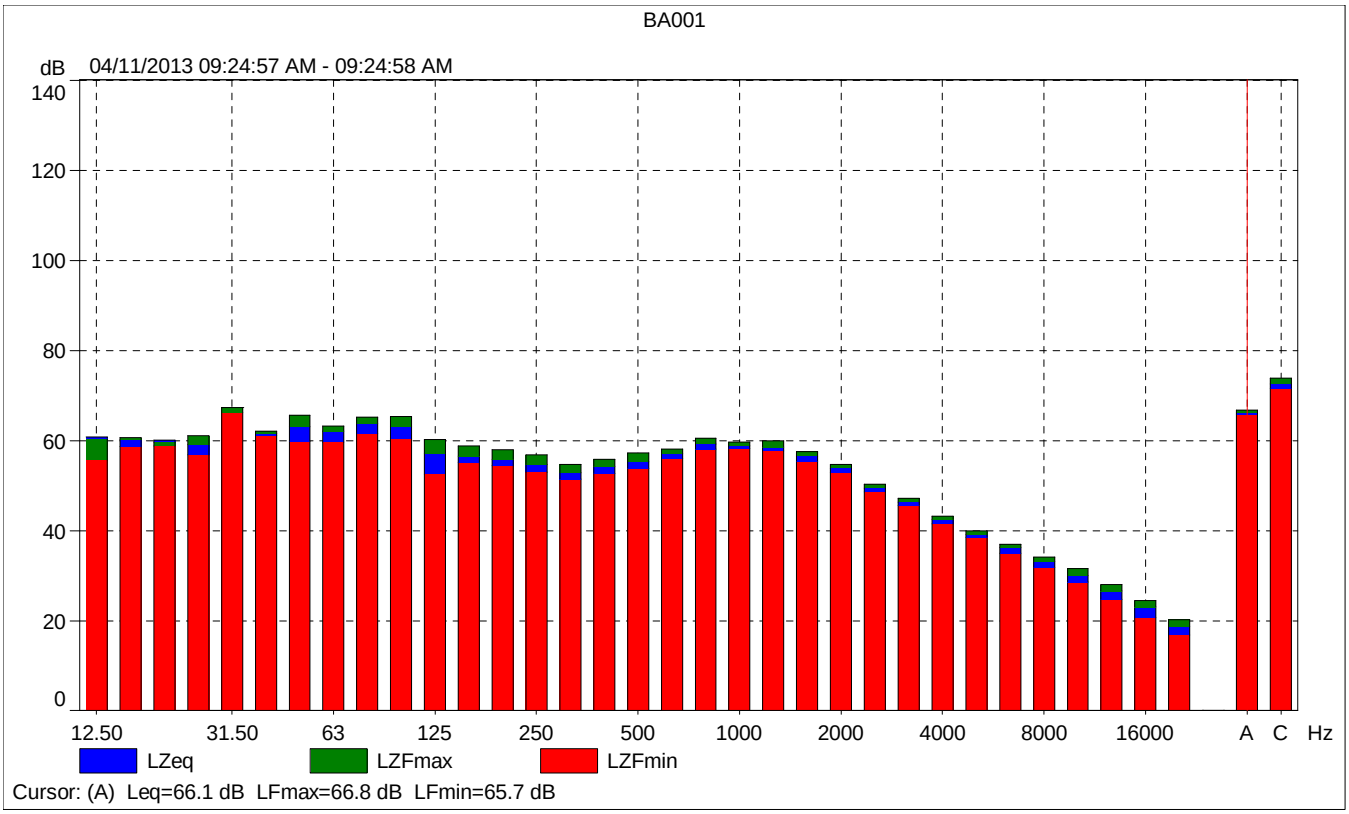

BA001
dB
04/11/2013 09:17:28 AM - 09:32:28 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=65.2 dB LFmax=81.0 dB LFmin=44.6 dB

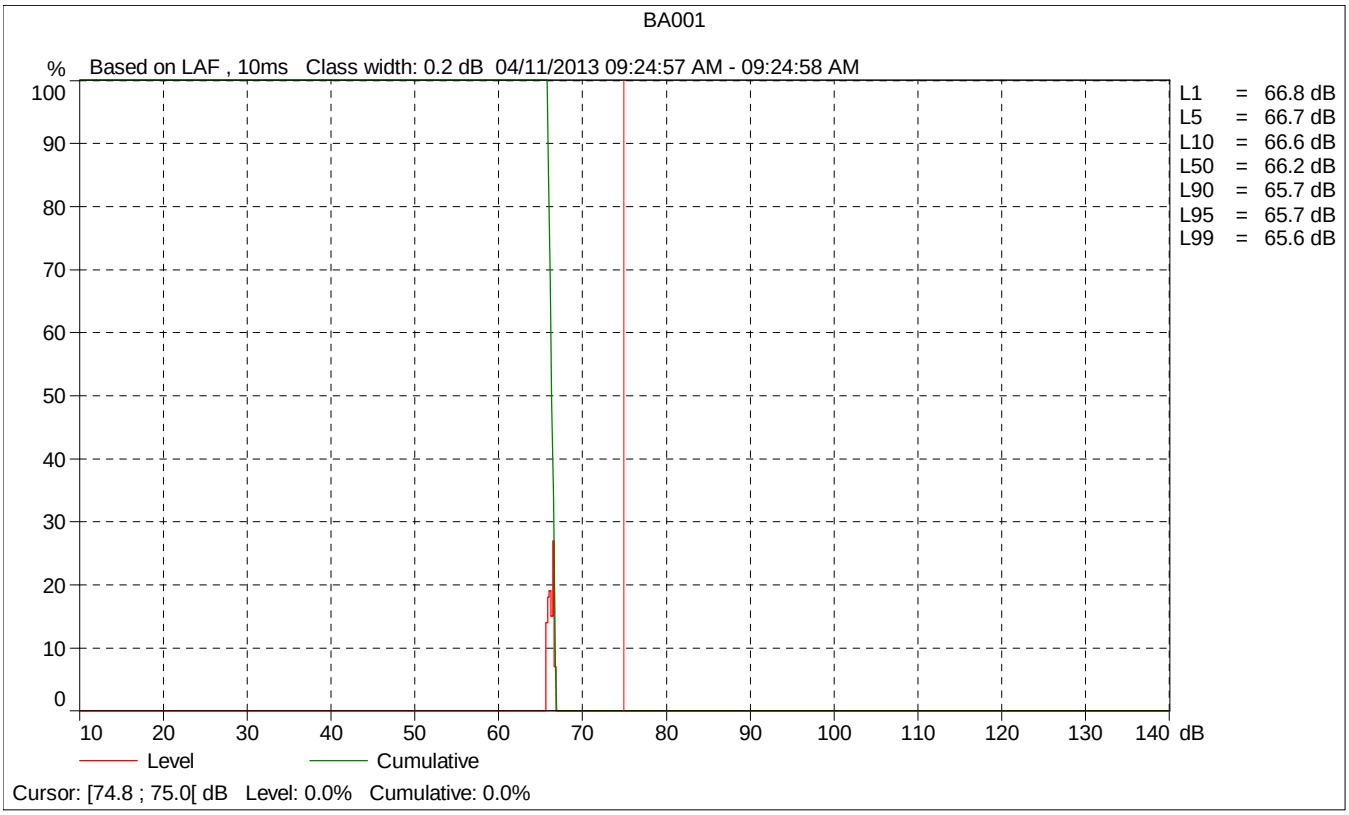

BA001
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:17:28 AM - 09:32:28 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 73.8 dB
L5 = 70.1 dB
L10 = 68.5 dB
L50 = 63.0 dB
L90 = 54.3 dB
L95 = 51.6 dB
L99 = 46.4 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.1% Cumulative: 0.6%

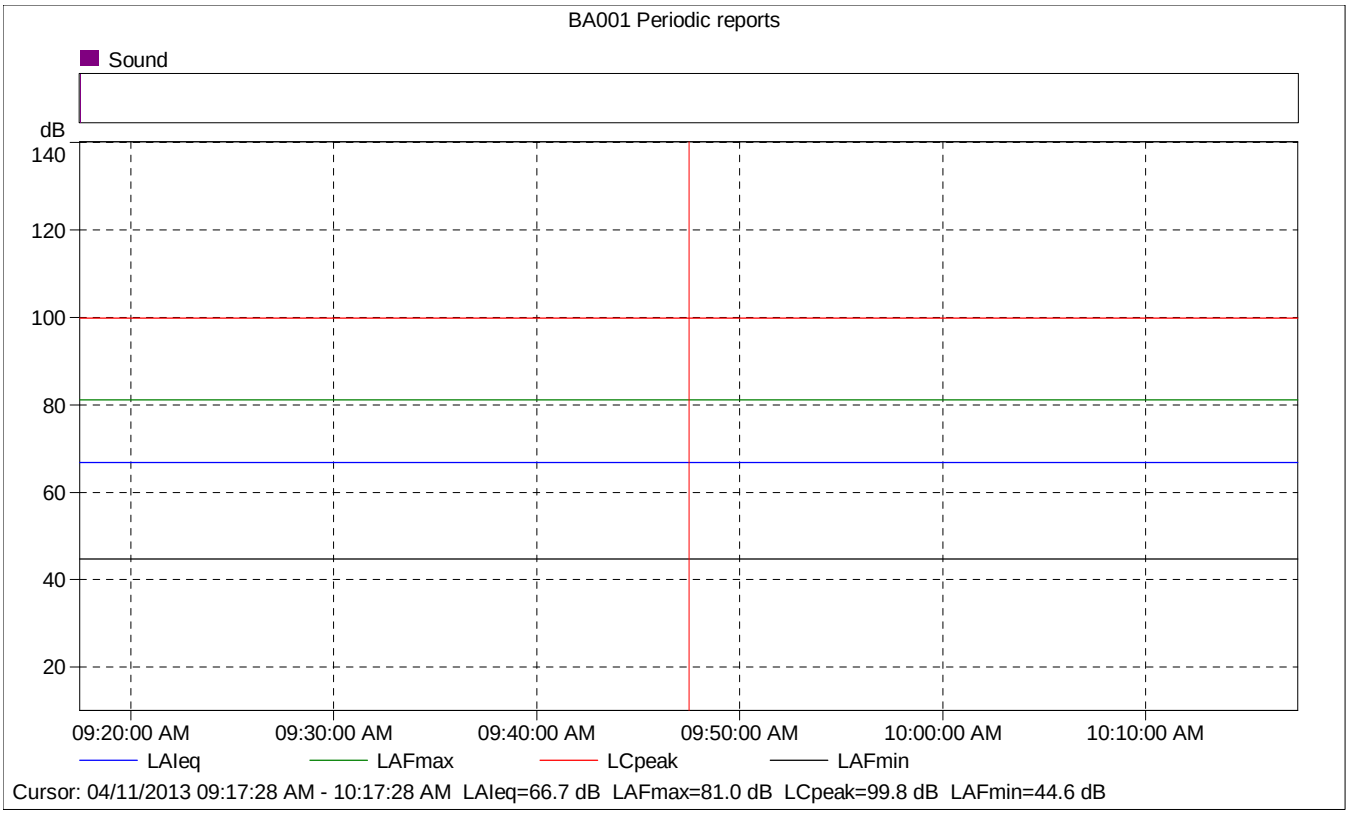


BA001

	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			66.8	66.8	65.7
Time	09:24:57 AM	0:00:01			
Date	04/11/2013				

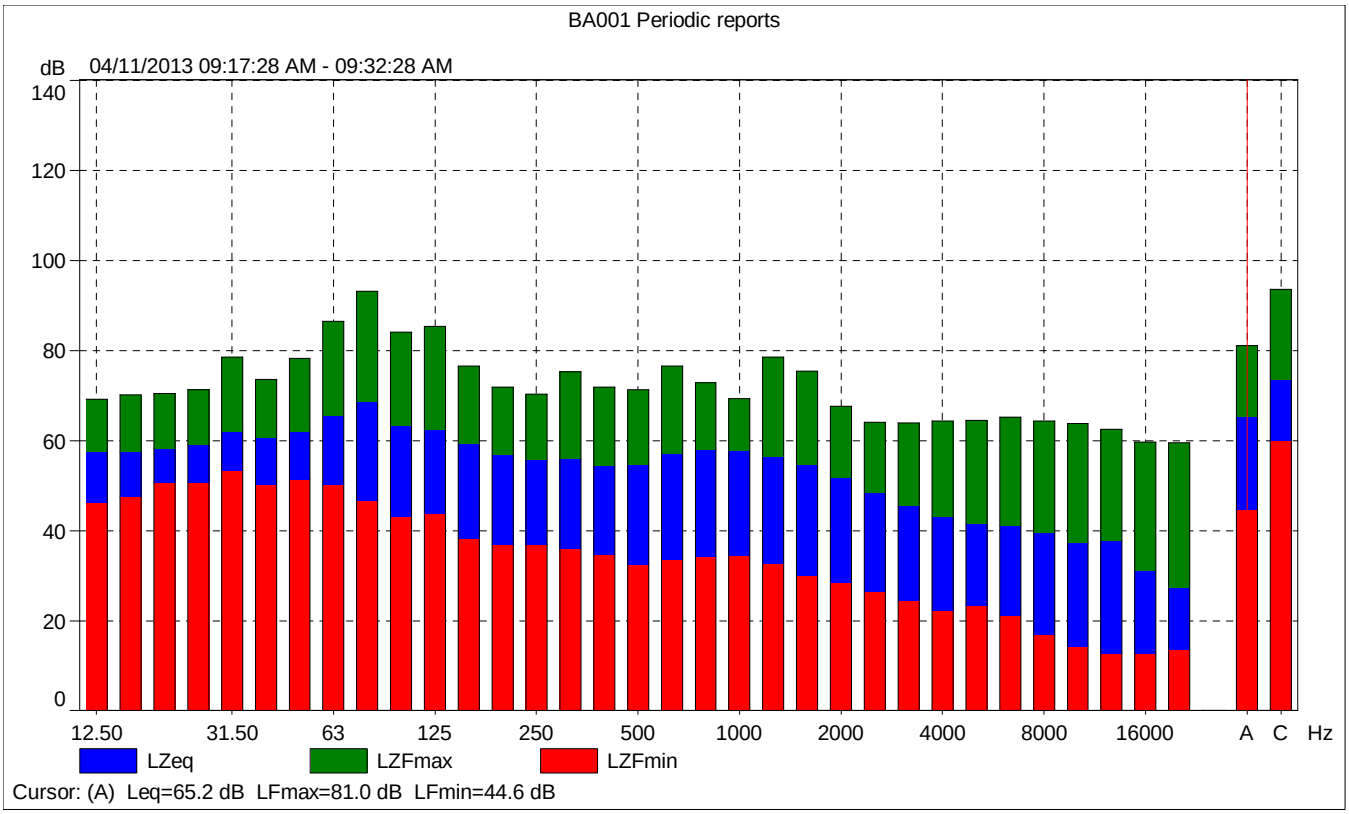

BA001
dB
04/11/2013 09:24:57 AM - 09:24:58 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=66.1 dB LFmax=66.8 dB LFmin=65.7 dB

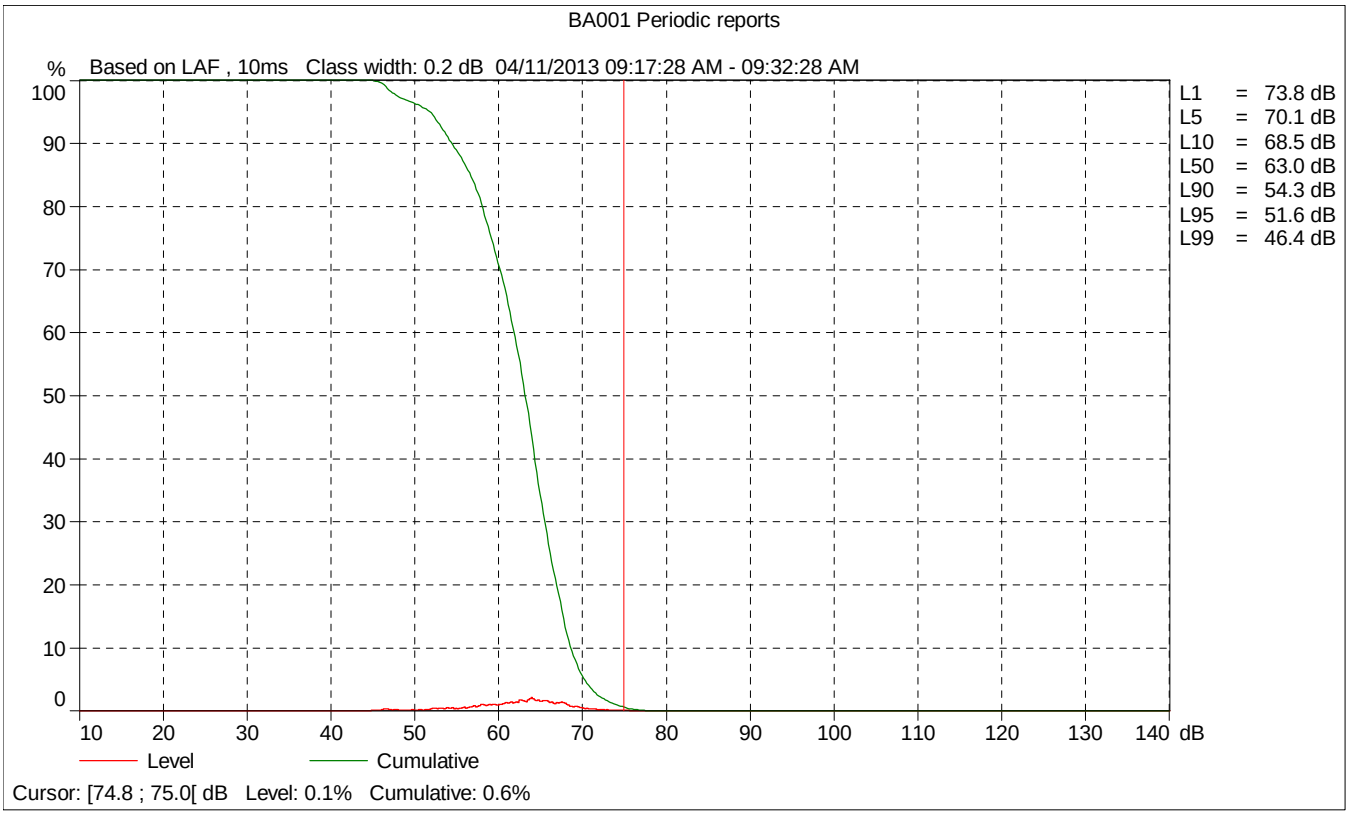

BA001
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:24:57 AM - 09:24:58 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 66.8 dB
L5 = 66.7 dB
L10 = 66.6 dB
L50 = 66.2 dB
L90 = 65.7 dB
L95 = 65.7 dB
L99 = 65.6 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

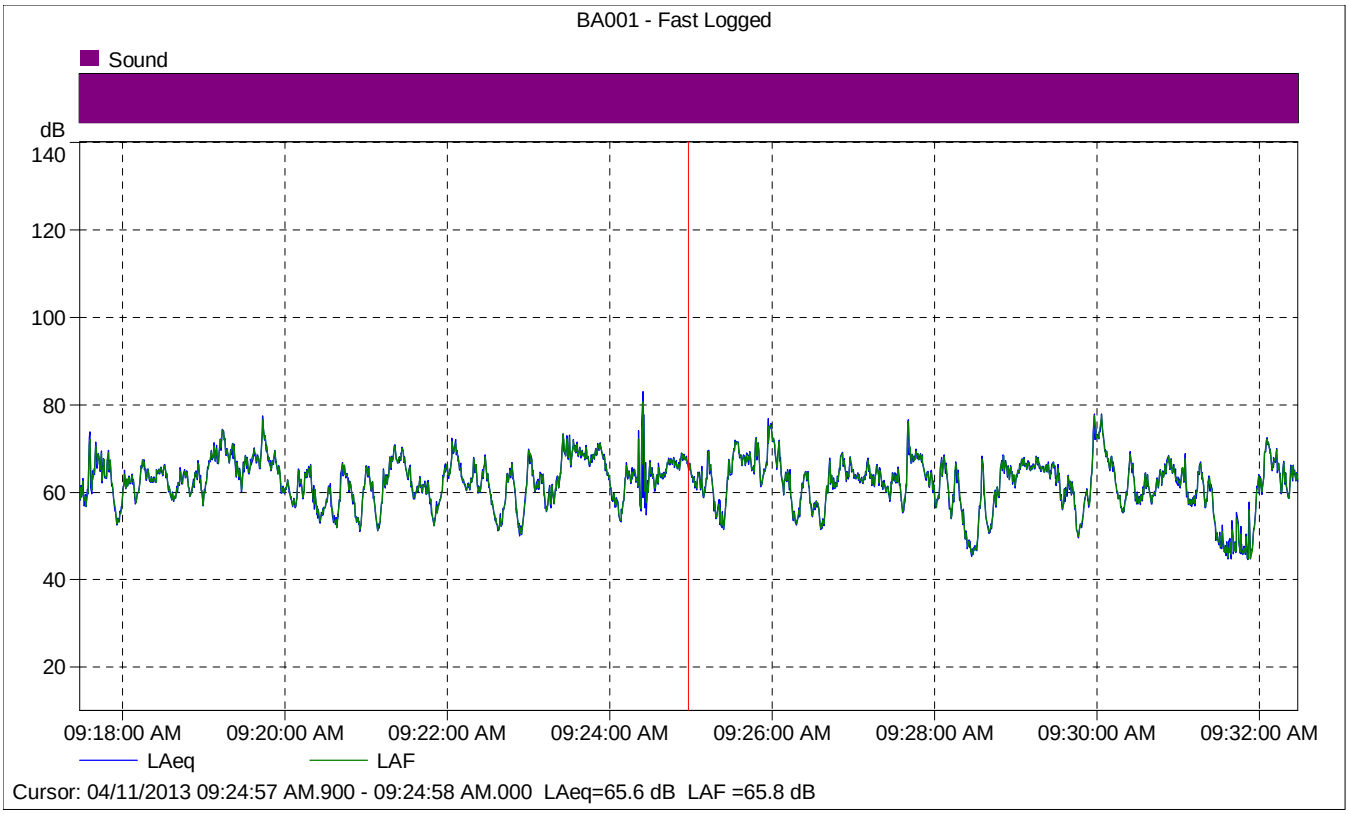


BA001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	66.7	81.0	44.6
Time	09:17:28 AM	0:15:00				
Date	04/11/2013					


BA001 Periodic reports
dB
04/11/2013 09:17:28 AM - 09:32:28 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=65.2 dB LFmax=81.0 dB LFmin=44.6 dB


BA001 Periodic reports
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:17:28 AM - 09:32:28 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 73.8 dB
L5 = 70.1 dB
L10 = 68.5 dB
L50 = 63.0 dB
L90 = 54.3 dB
L95 = 51.6 dB
L99 = 46.4 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.1% Cumulative: 0.6%



BA001 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			65.6
Time	09:24:57 AM.900	0:00:00.100	
Date	04/11/2013		

Site Number: BA002			
Recorded By: Kelly Chiene			
Job Number: 130100			
Date: 4/11/13			
Time: 10:38 a.m.			
Location: Park Huntington neighborhood, in the Olympic Drive cul-de-sac			
Source of Peak Noise: Traffic along Adams Avenue; birds; cars along Olympic Drive.			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
49.2	39.9	75.2	96.8

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**2548189**	**11/14/2007**	
	Microphone	**Brüel & Kjær**	**4189**	**2543364**	**11/15/2007**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**4265**	**7/18/2006**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**7/31/2006**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** ☼
	Note: dBA Offset =0.05		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	2	67	79.90

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		04/11/2013 09:38:35
End Time:		04/11/2013 09:53:35
Elapsed Time:		00:15:00
Bandwidth:		1/3-octave
Max Input Level:		138.83

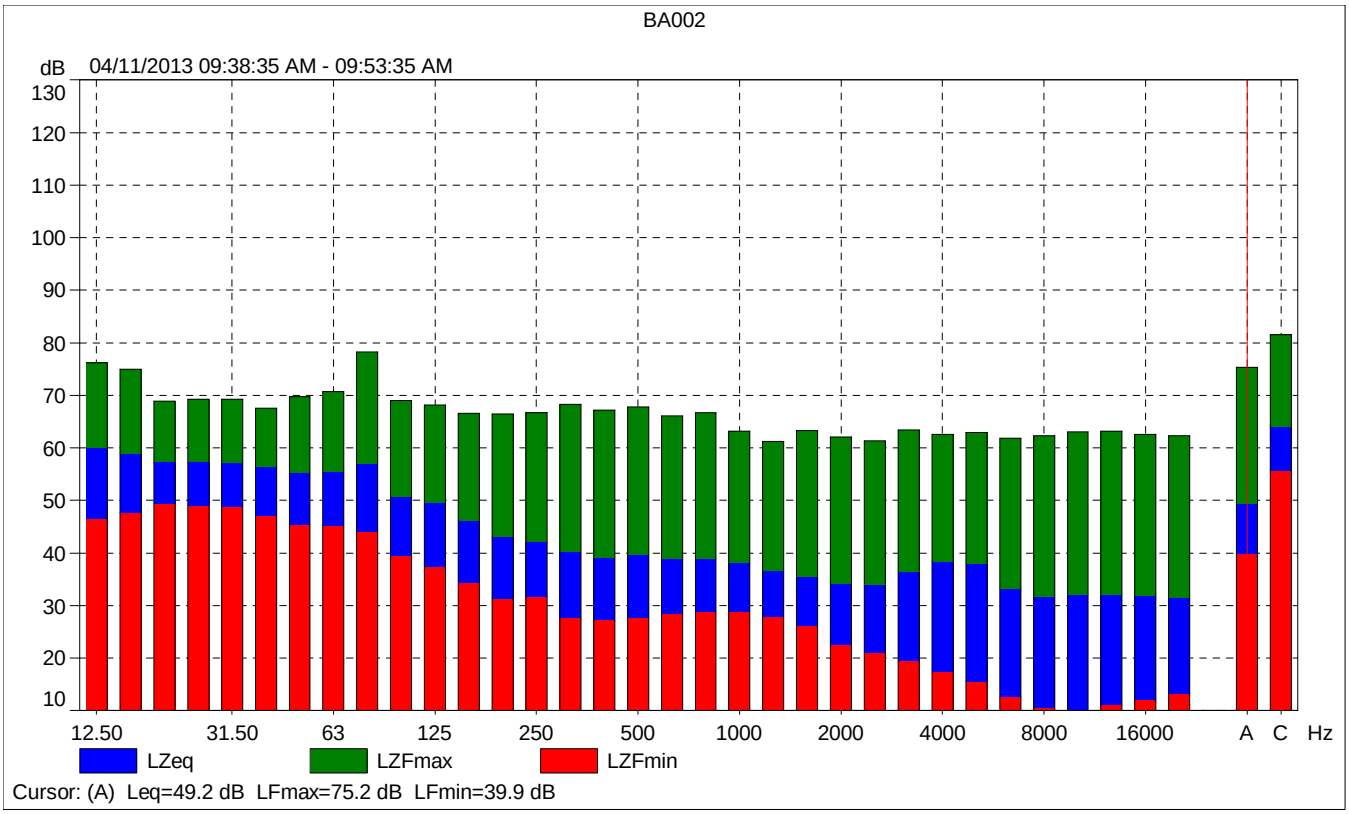
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

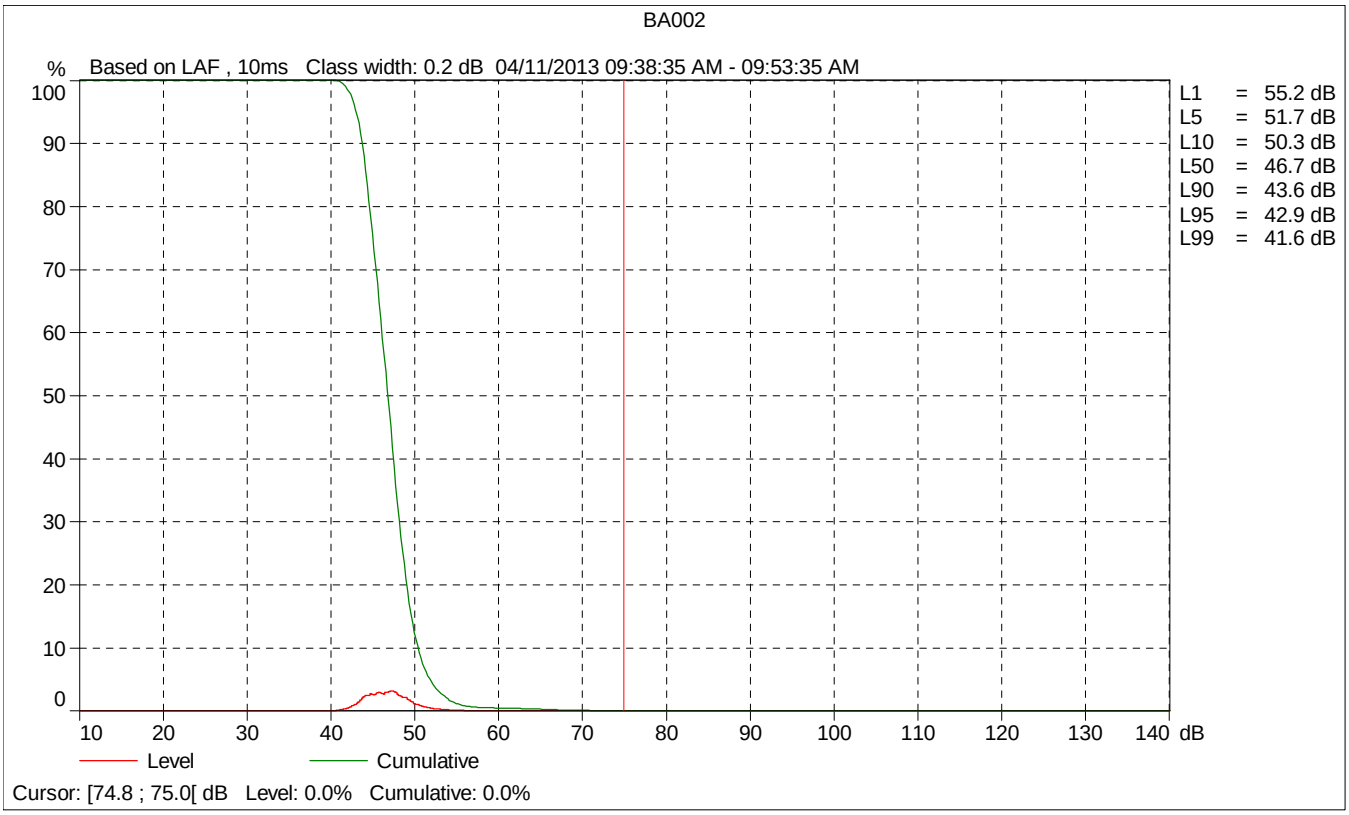
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

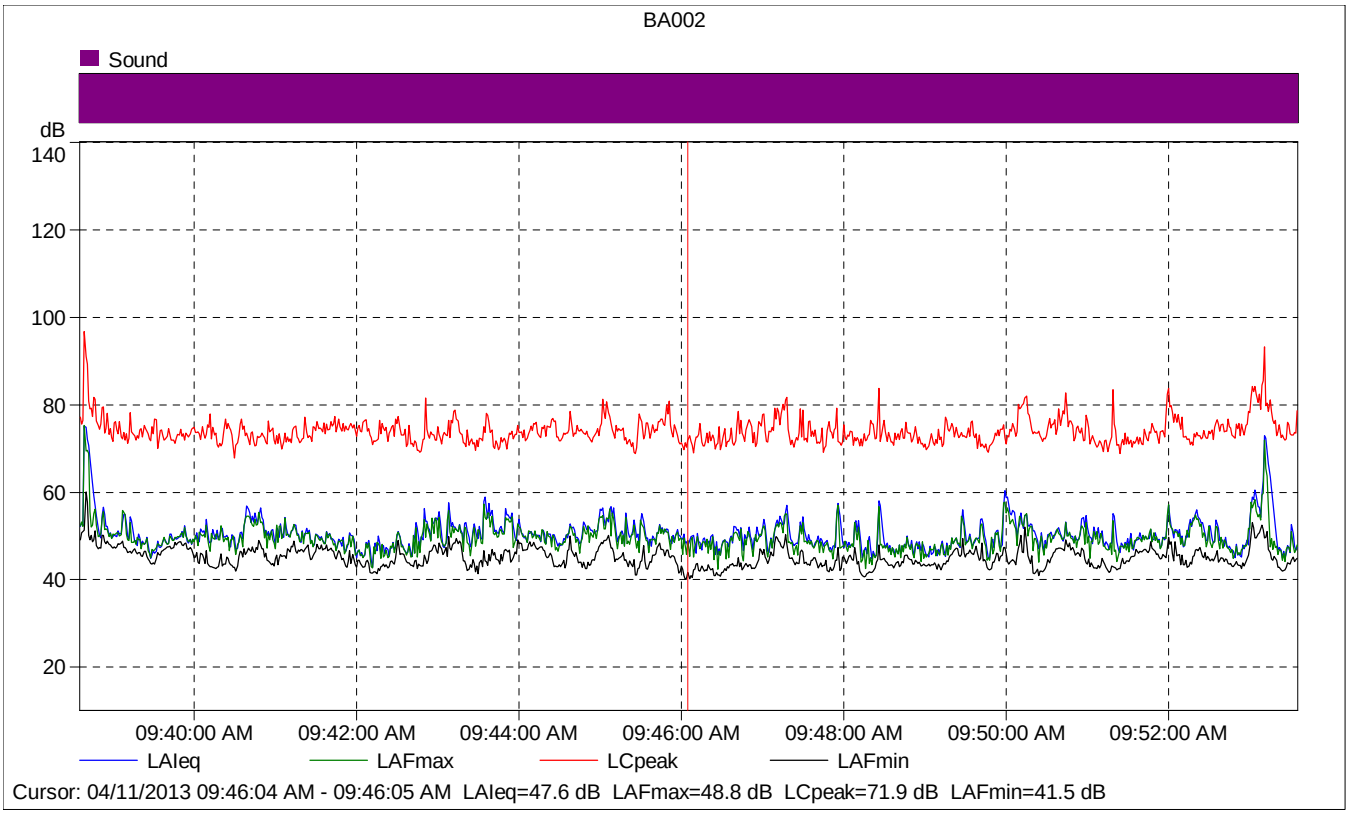
Calibration Time:		04/10/2013 16:41:38
Calibration Type:		External reference
Sensitivity:		63.68 mV/Pa

BA002

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	49.2	75.2	39.9
Time	09:38:35 AM	09:53:35 AM	0:15:00				
Date	04/11/2013	04/11/2013					

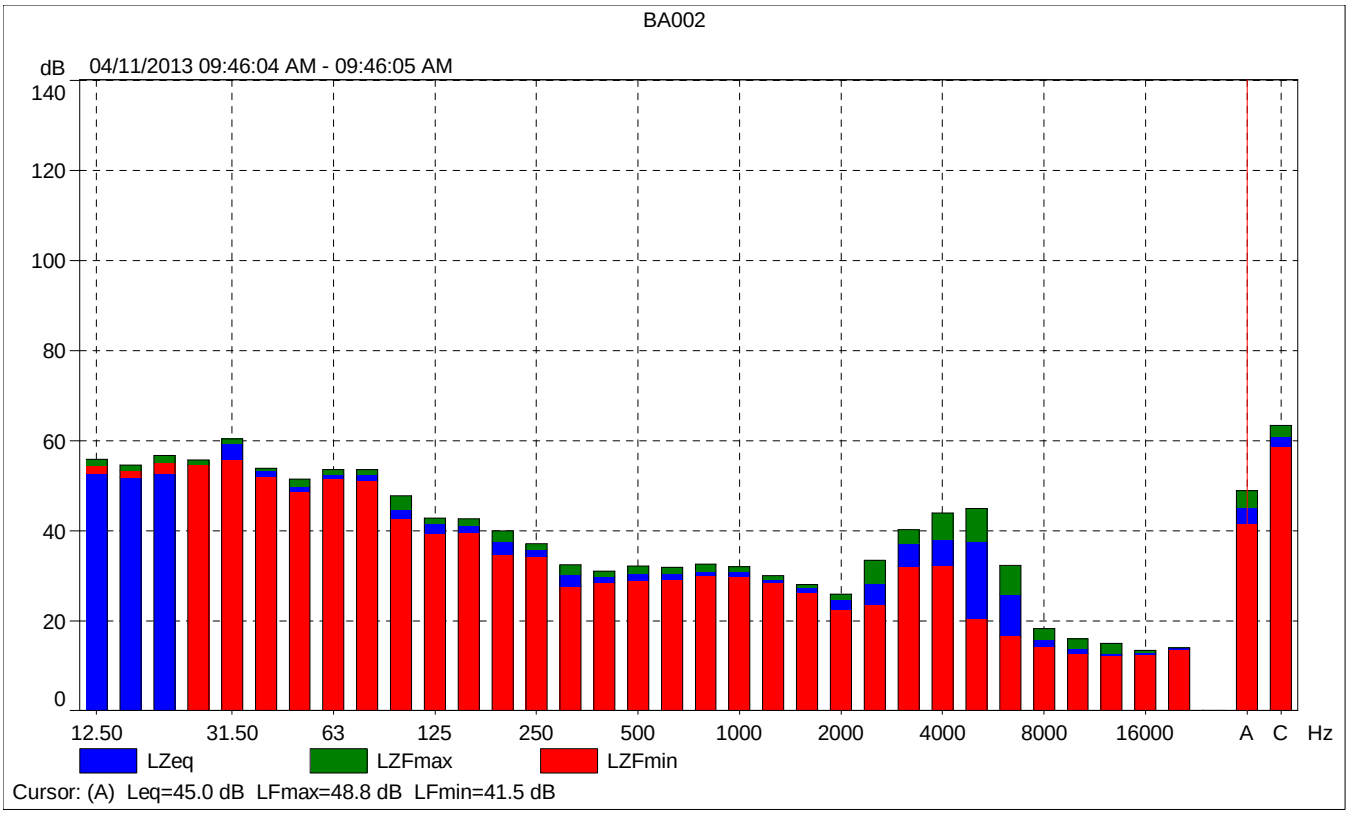

BA002
dB
04/11/2013 09:38:35 AM - 09:53:35 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=49.2 dB LFmax=75.2 dB LFmin=39.9 dB

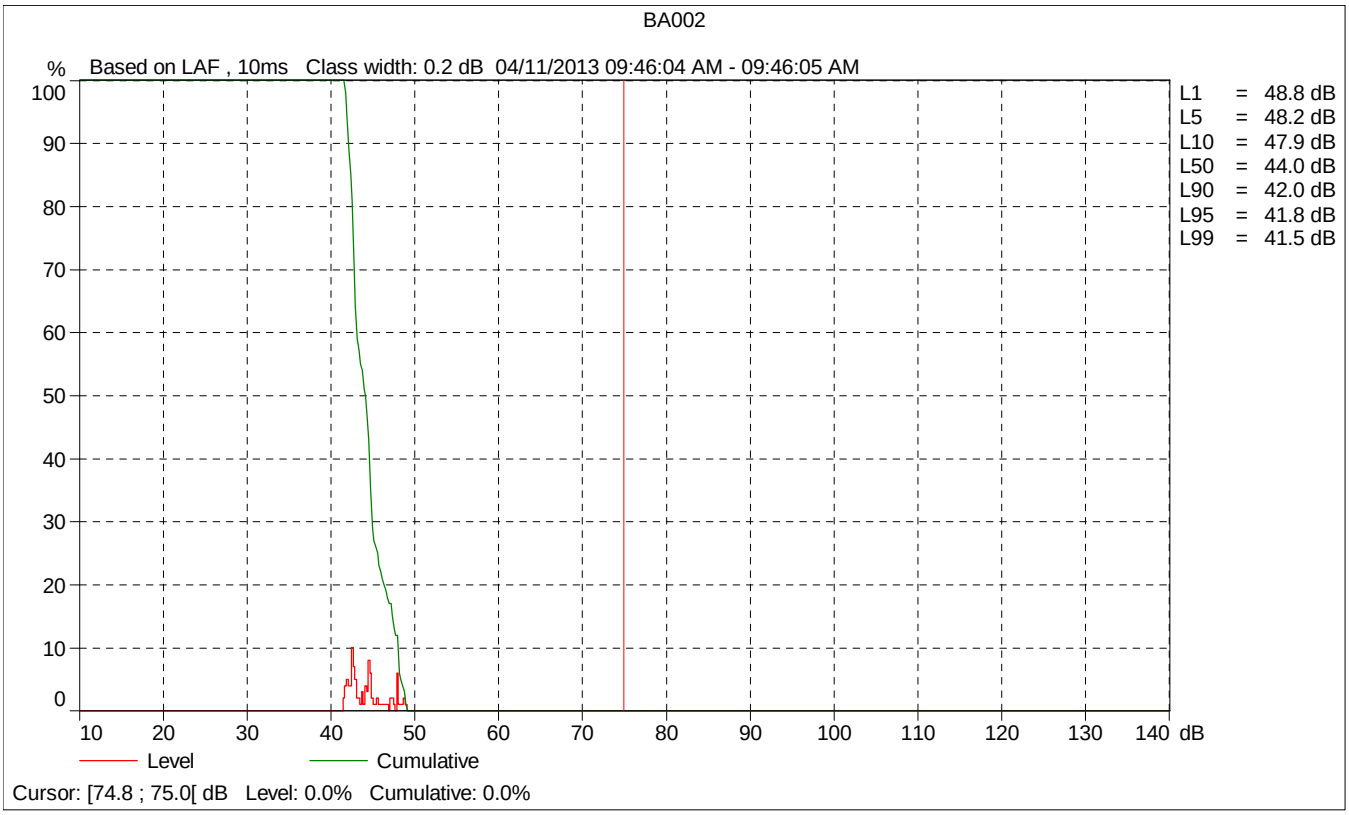

BA002
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:38:35 AM - 09:53:35 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 55.2 dB
L5 = 51.7 dB
L10 = 50.3 dB
L50 = 46.7 dB
L90 = 43.6 dB
L95 = 42.9 dB
L99 = 41.6 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

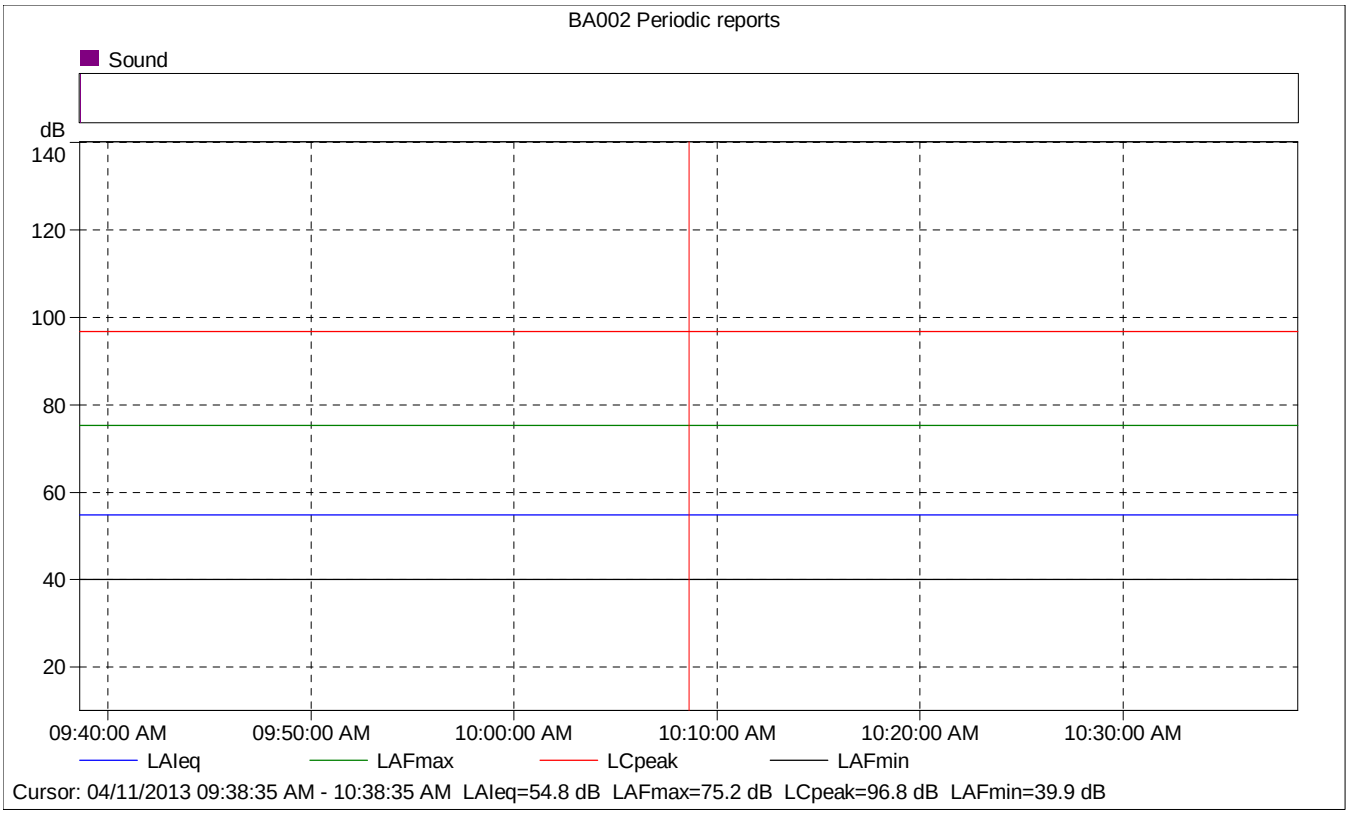


BA002

	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			47.6	48.8	41.5
Time	09:46:04 AM	0:00:01			
Date	04/11/2013				

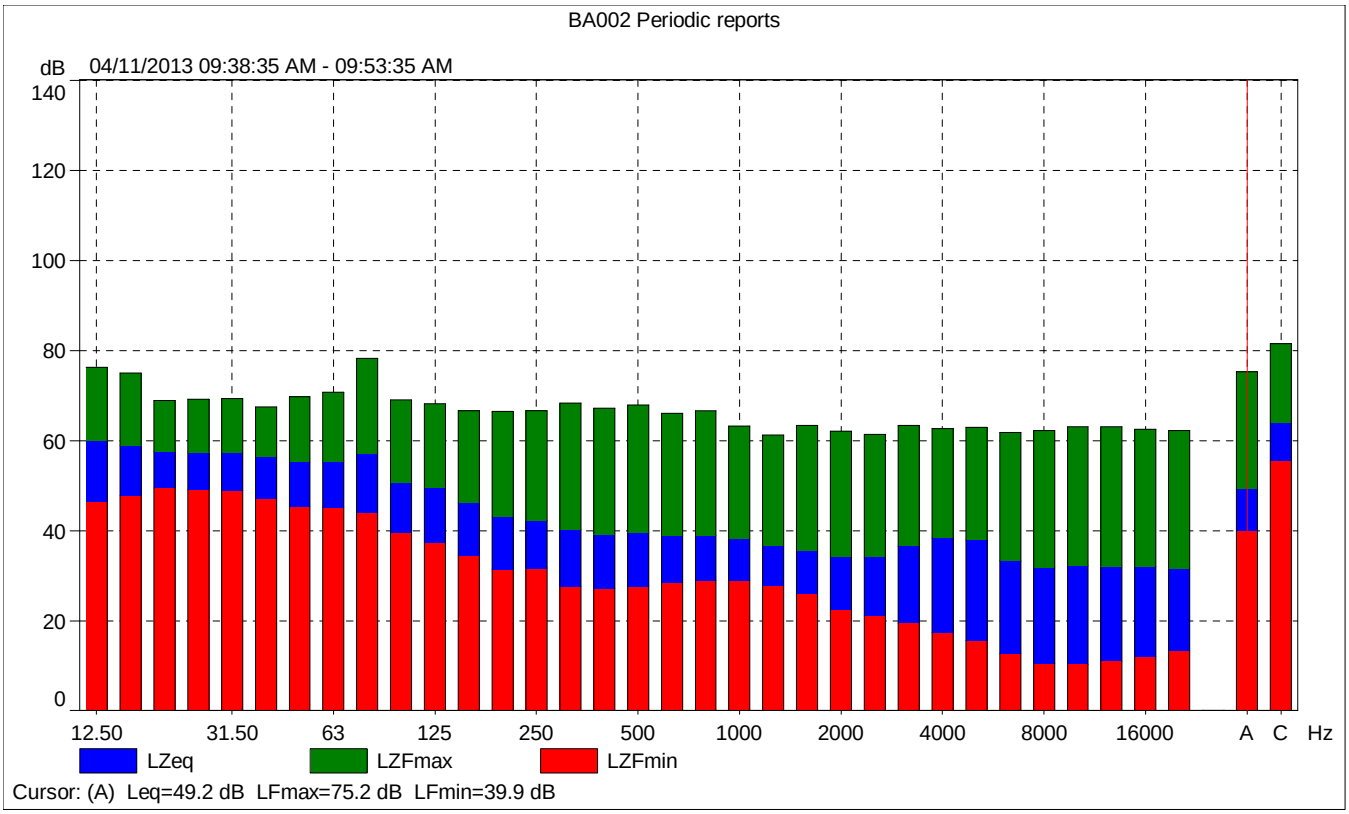

BA002
dB
04/11/2013 09:46:04 AM - 09:46:05 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=45.0 dB LFmax=48.8 dB LFmin=41.5 dB

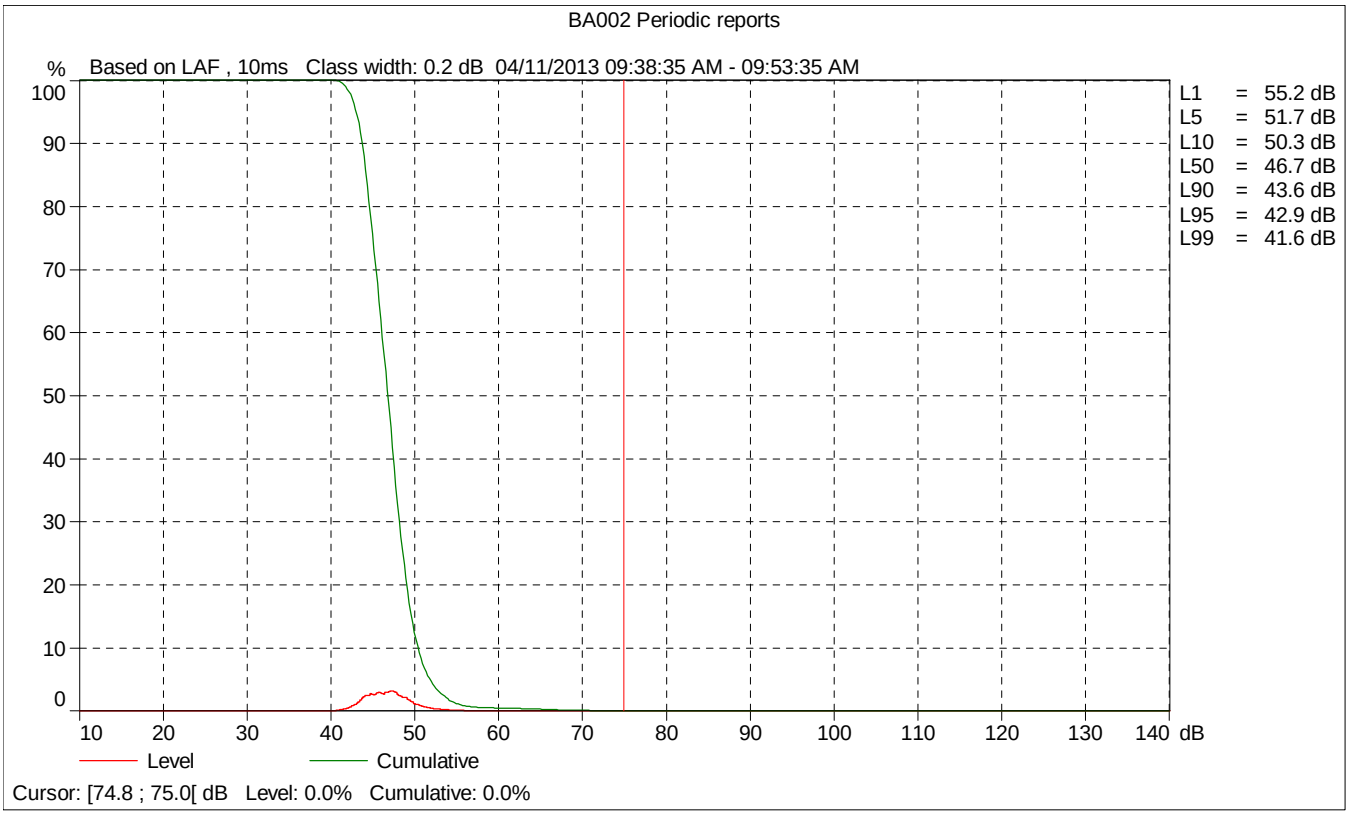

BA002
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:46:04 AM - 09:46:05 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 48.8 dB
L5 = 48.2 dB
L10 = 47.9 dB
L50 = 44.0 dB
L90 = 42.0 dB
L95 = 41.8 dB
L99 = 41.5 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

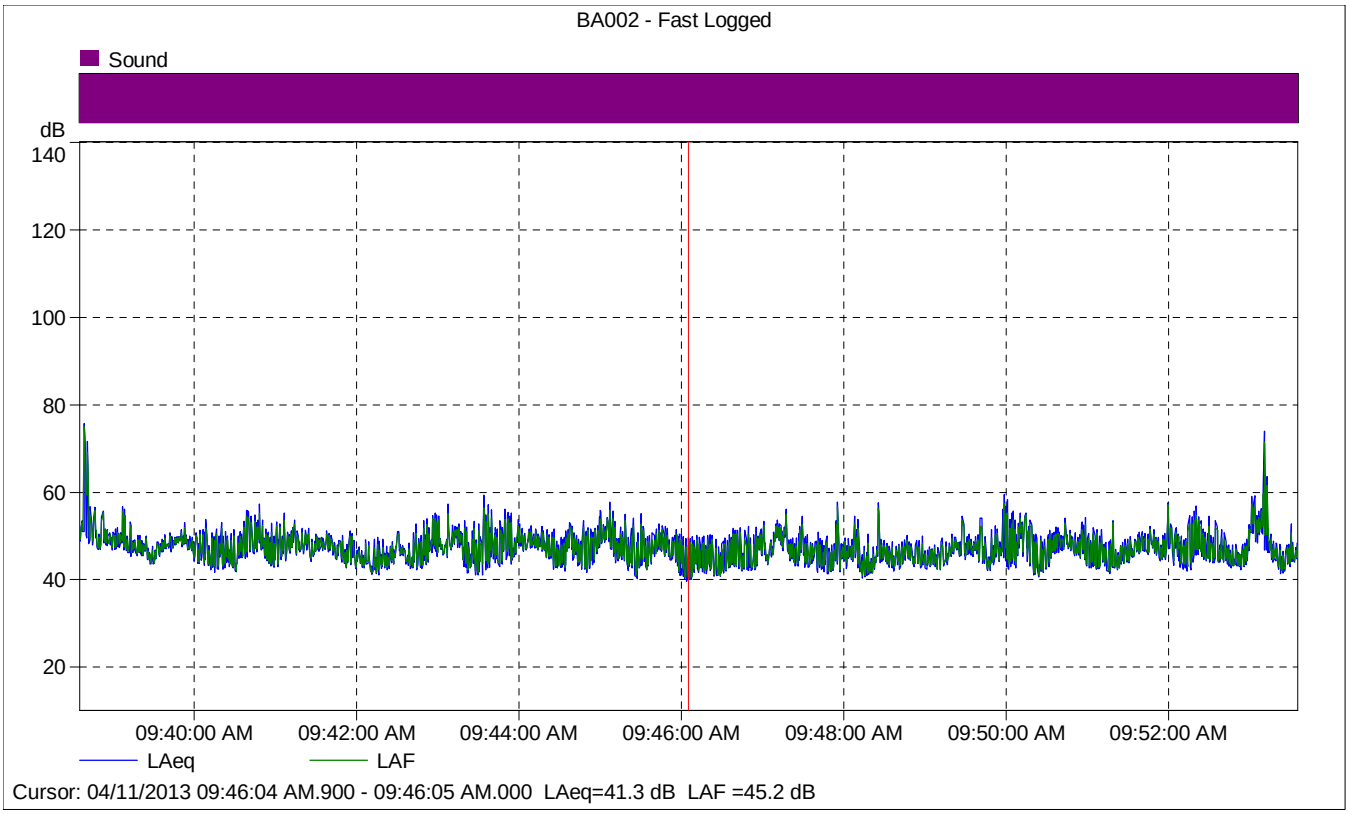


BA002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	54.8	75.2	39.9
Time	09:38:35 AM	0:15:00				
Date	04/11/2013					


BA002 Periodic reports
dB
04/11/2013 09:38:35 AM - 09:53:35 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=49.2 dB LFmax=75.2 dB LFmin=39.9 dB


BA002 Periodic reports
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:38:35 AM - 09:53:35 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 55.2 dB
L5 = 51.7 dB
L10 = 50.3 dB
L50 = 46.7 dB
L90 = 43.6 dB
L95 = 42.9 dB
L99 = 41.6 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%



BA002 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			41.3
Time	09:46:04 AM.900	0:00:00.100	
Date	04/11/2013		

Site Number: BA003	
Recorded By: Kelly Chiene	
Job Number: 130100	
Date: 4/11/13	
Time: 10:59 a.m.	
Location: Park Huntington neighborhood, along the sidewalk of Running Springs Lane near Mammoth Drive	
Source of Peak Noise: Traffic along Brookhurst Street; cars along Running Springs Lane; people talking; 2 planes.	

Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
53.0	42.7	72.4	95.8

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**2548189**	**11/14/2007**	
	Microphone	**Brüel & Kjær**	**4189**	**2543364**	**11/15/2007**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**4265**	**7/18/2006**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**7/31/2006**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** ☼
	Note: dBA Offset =0.05		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	4.3	70	79.90

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		04/11/2013 09:59:31
End Time:		04/11/2013 10:14:31
Elapsed Time:		00:15:00
Bandwidth:		1/3-octave
Max Input Level:		138.83

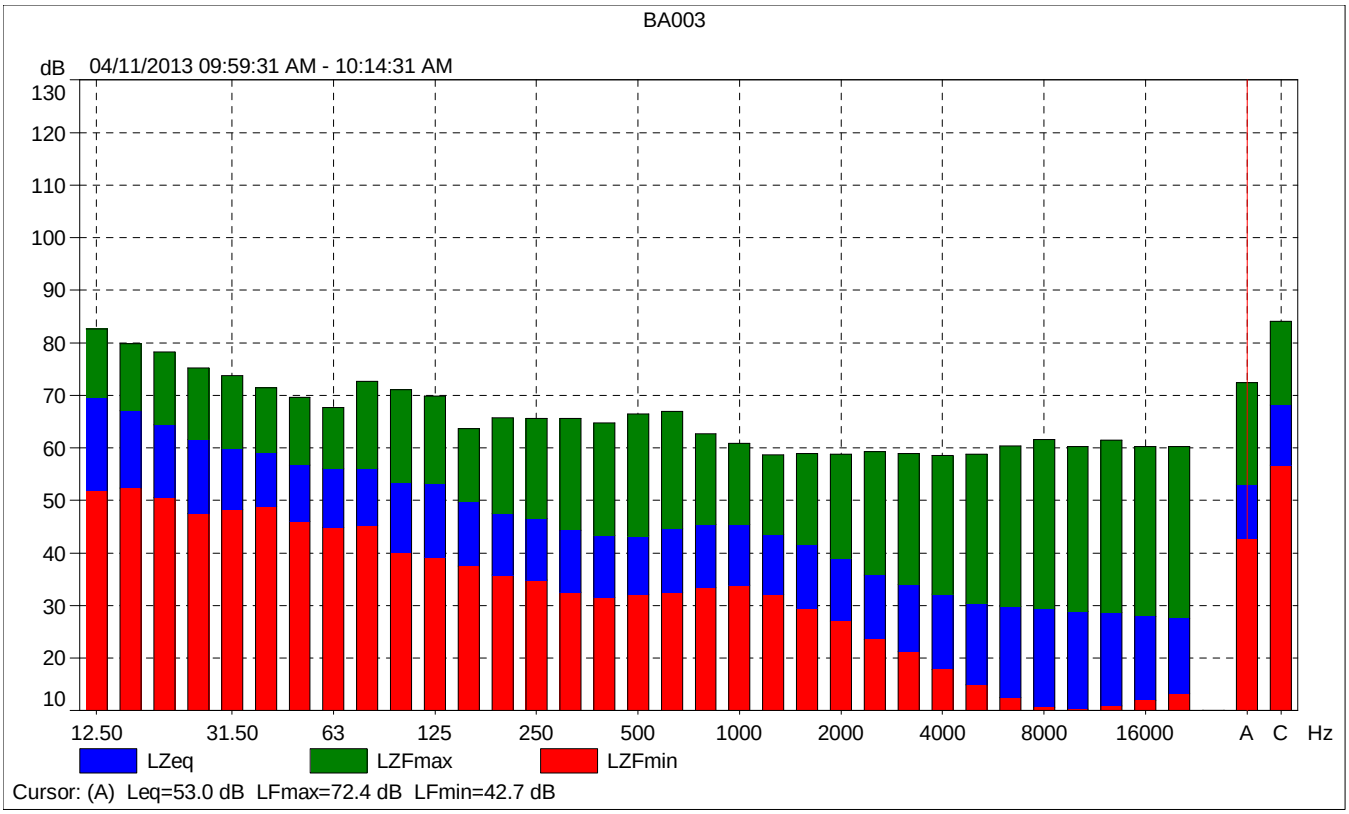
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

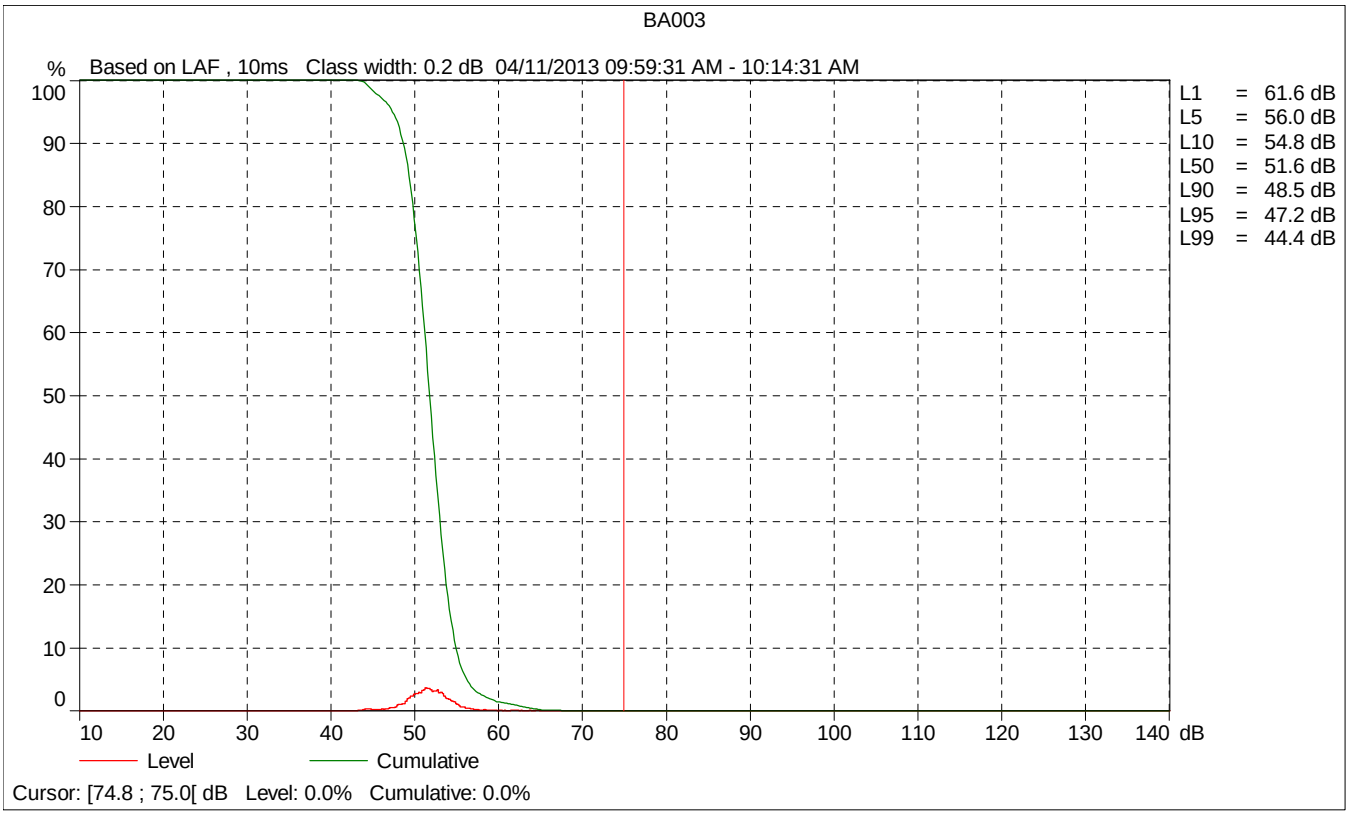
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

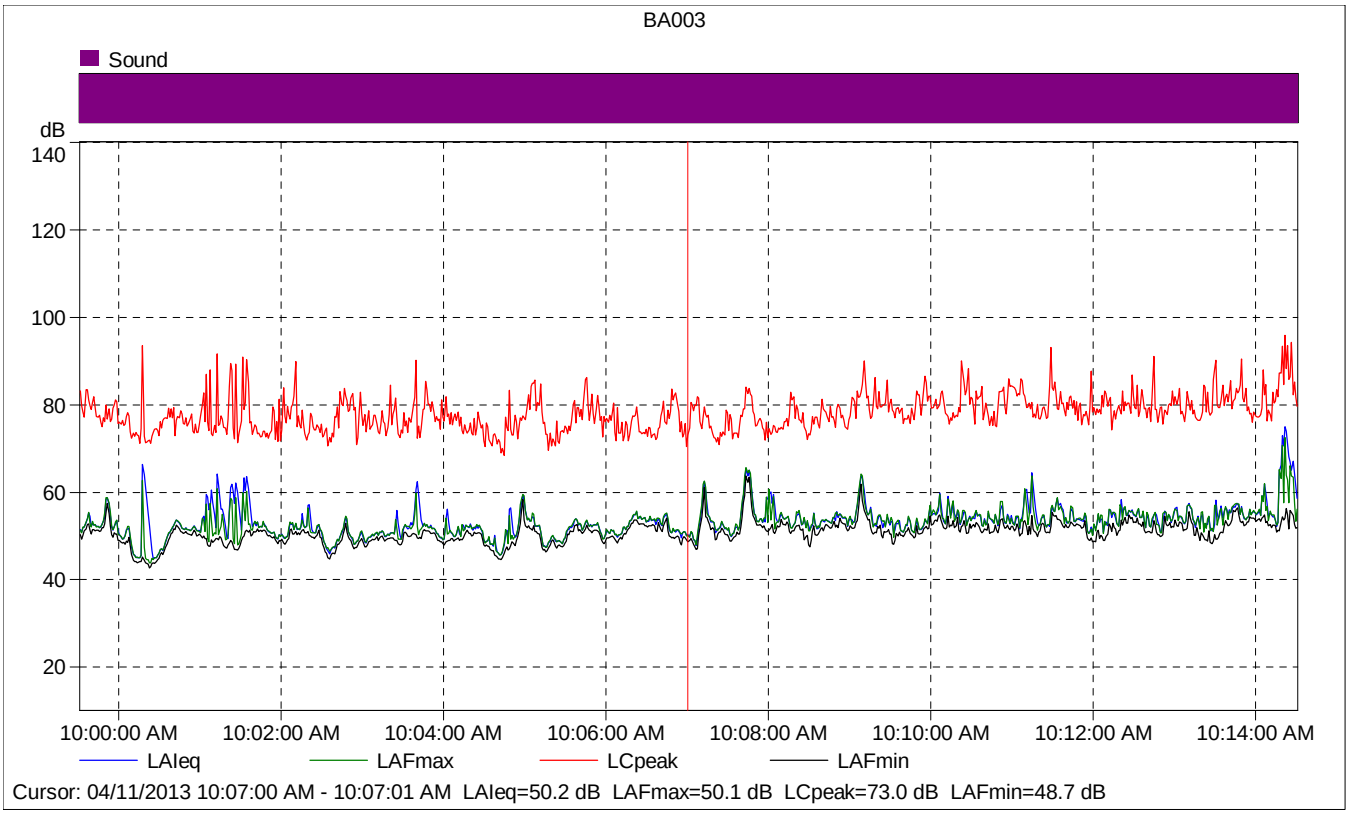
Calibration Time:		04/10/2013 16:41:38
Calibration Type:		External reference
Sensitivity:		63.68 mV/Pa

BA003

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	53.0	72.4	42.7
Time	09:59:31 AM	10:14:31 AM	0:15:00				
Date	04/11/2013	04/11/2013					

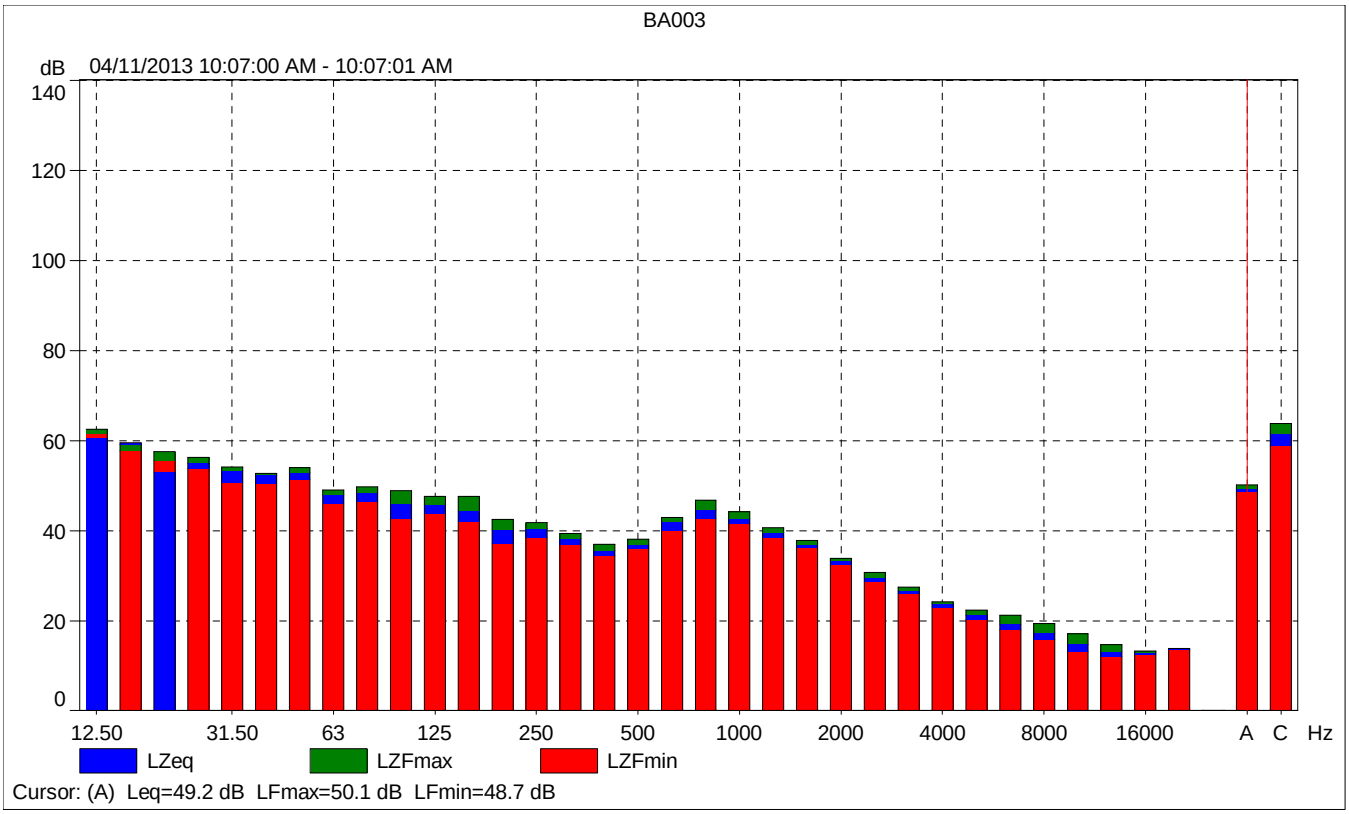

BA003
dB
04/11/2013 09:59:31 AM - 10:14:31 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=53.0 dB LFmax=72.4 dB LFmin=42.7 dB

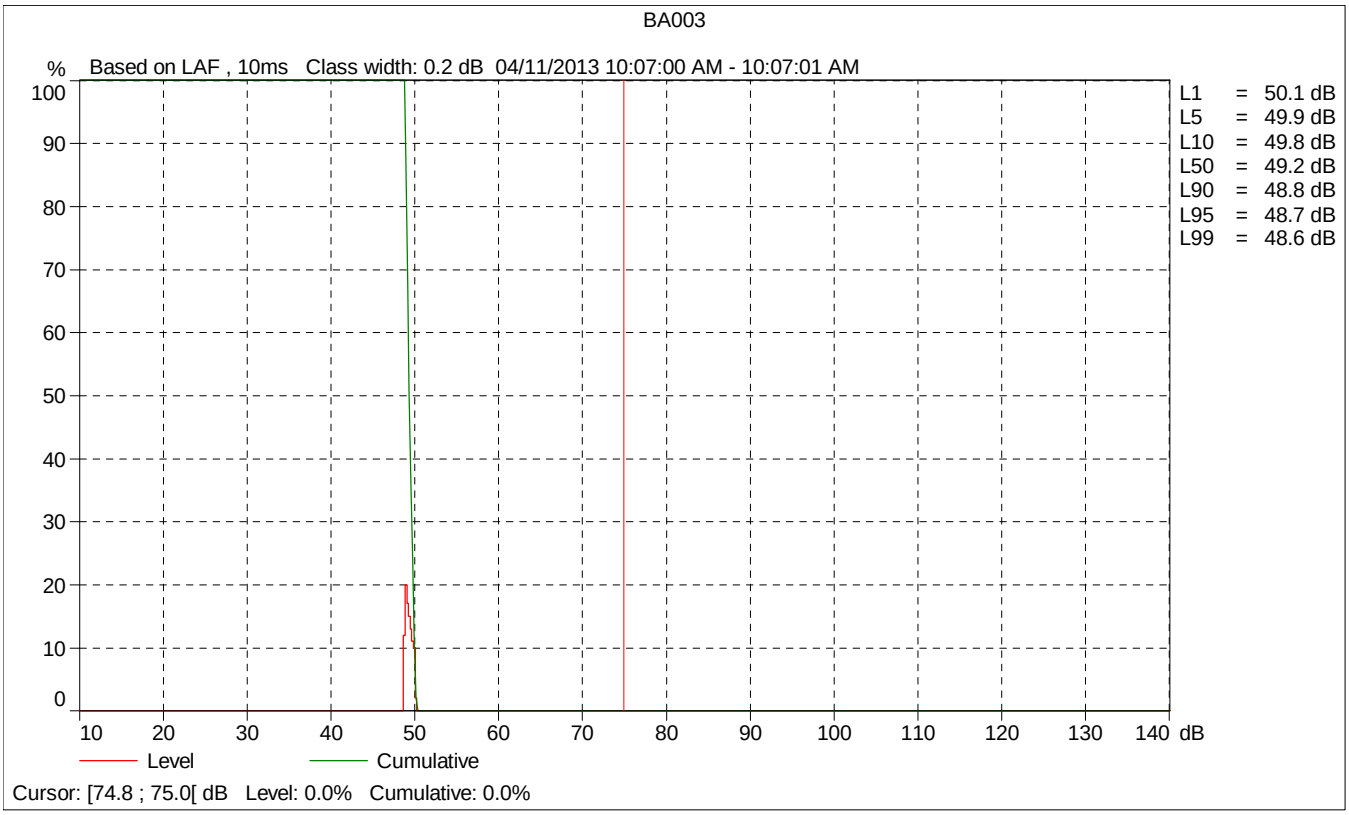

BA003
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:59:31 AM - 10:14:31 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 61.6 dB
L5 = 56.0 dB
L10 = 54.8 dB
L50 = 51.6 dB
L90 = 48.5 dB
L95 = 47.2 dB
L99 = 44.4 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

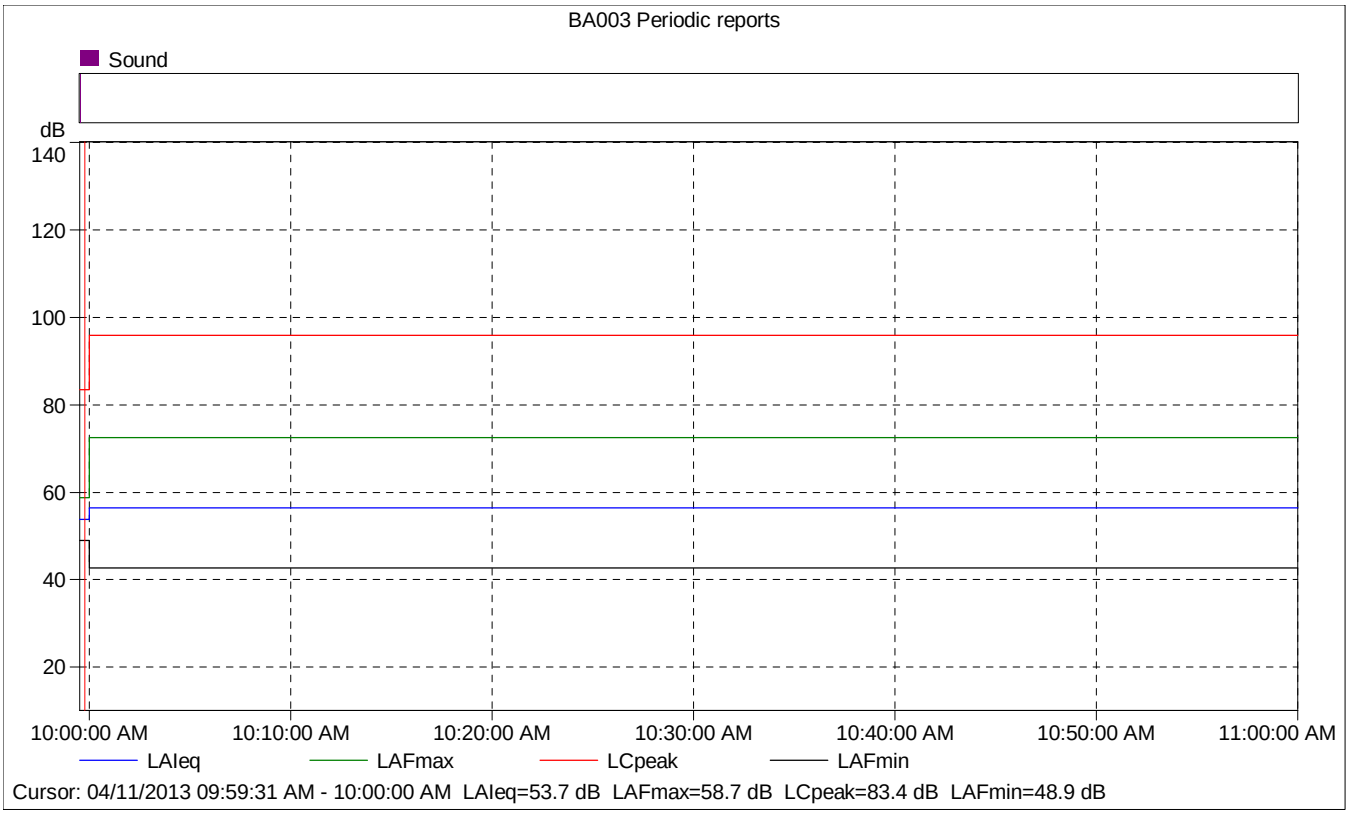


BA003

	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			50.2	50.1	48.7
Time	10:07:00 AM	0:00:01			
Date	04/11/2013				

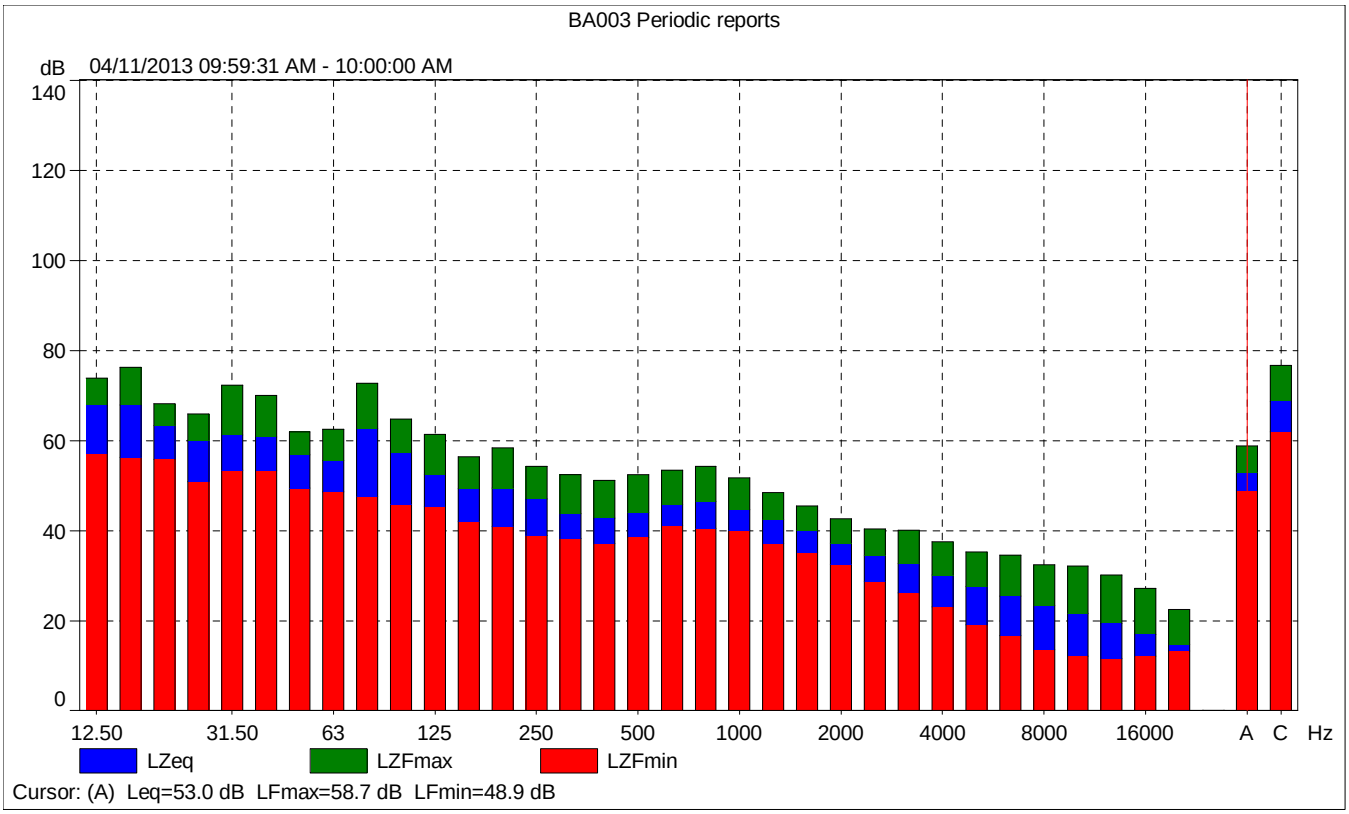

BA003
dB
04/11/2013 10:07:00 AM - 10:07:01 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=49.2 dB LFmax=50.1 dB LFmin=48.7 dB

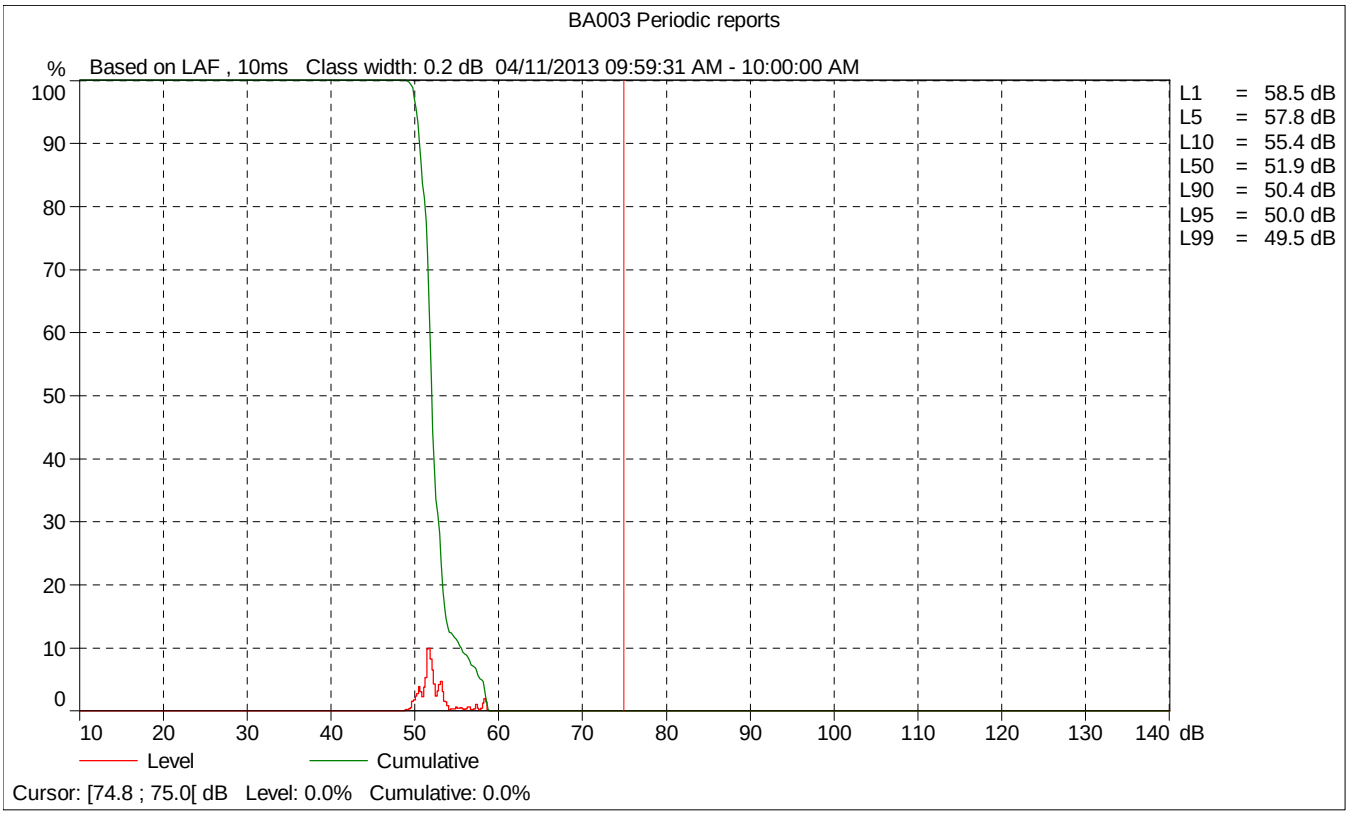

BA003
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:07:00 AM - 10:07:01 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 50.1 dB
L5 = 49.9 dB
L10 = 49.8 dB
L50 = 49.2 dB
L90 = 48.8 dB
L95 = 48.7 dB
L99 = 48.6 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

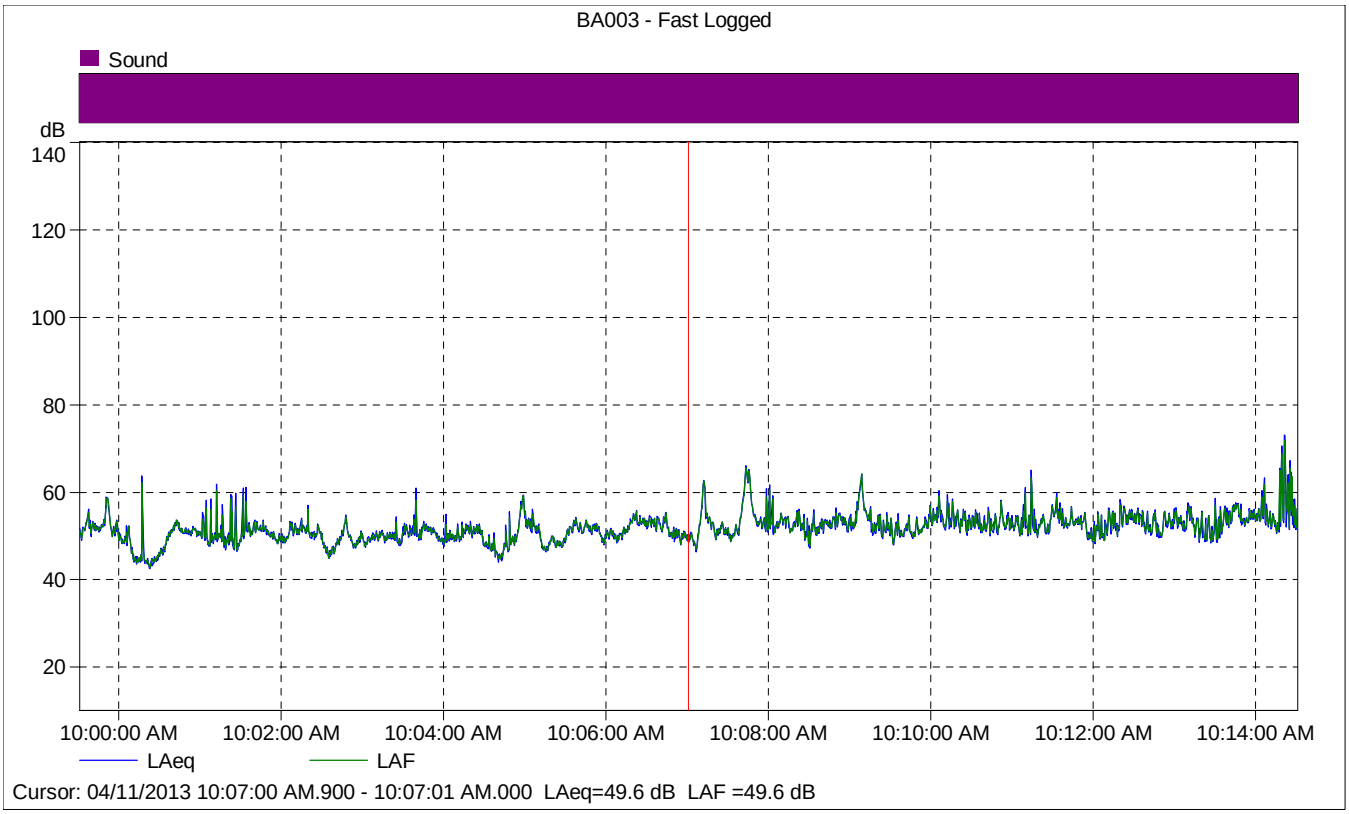


BA003 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	53.7	58.7	48.9
Time	09:59:31 AM	0:00:29				
Date	04/11/2013					


BA003 Periodic reports
dB
04/11/2013 09:59:31 AM - 10:00:00 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=53.0 dB LFmax=58.7 dB LFmin=48.9 dB


BA003 Periodic reports
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 09:59:31 AM - 10:00:00 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 58.5 dB
L5 = 57.8 dB
L10 = 55.4 dB
L50 = 51.9 dB
L90 = 50.4 dB
L95 = 50.0 dB
L99 = 49.5 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%



BA003 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			49.6
Time	10:07:00 AM.900	0:00:00.100	
Date	04/11/2013		

Site Number: BA004			
Recorded By: Kelly Chiene			
Job Number: 130100			
Date: 4/11/13			
Time: 11:21 a.m.			
Location: Meredith Gardens neighborhood, along the sidewalk of Colgate Circle			
Source of Peak Noise: Traffic along Adams Avenue; cars along Colgate Circle; UPS truck; people talking; 4 planes; landscaping.			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
57.2	42.2	85.0	93.6

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**2548189**	**11/14/2007**	
	Microphone	**Brüel & Kjær**	**4189**	**2543364**	**11/15/2007**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**4265**	**7/18/2006**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**7/31/2006**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** ☼
	Note: dBA Offset =0.05		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	5	71	79.90

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		04/11/2013 10:21:43
End Time:		04/11/2013 10:36:43
Elapsed Time:		00:15:00
Bandwidth:		1/3-octave
Max Input Level:		138.83

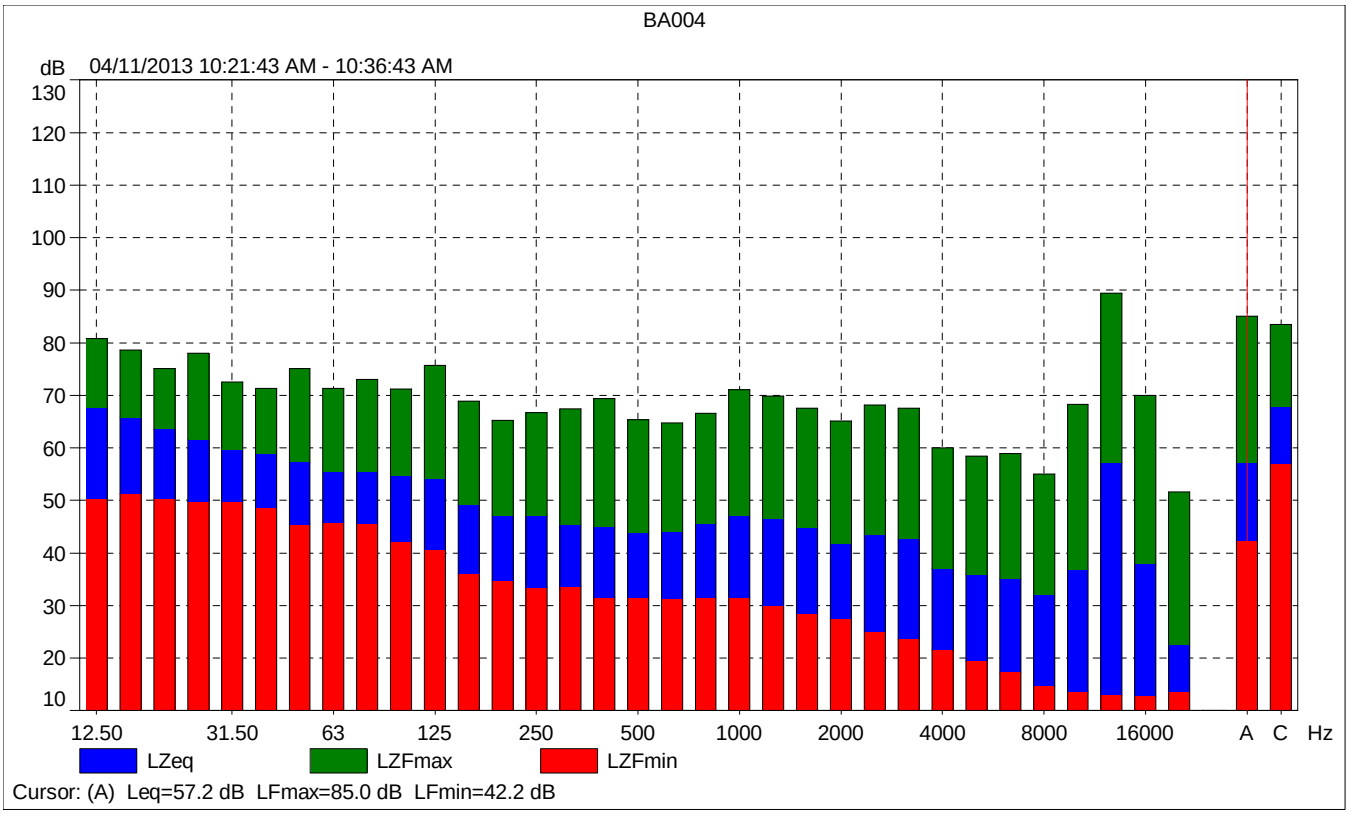
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

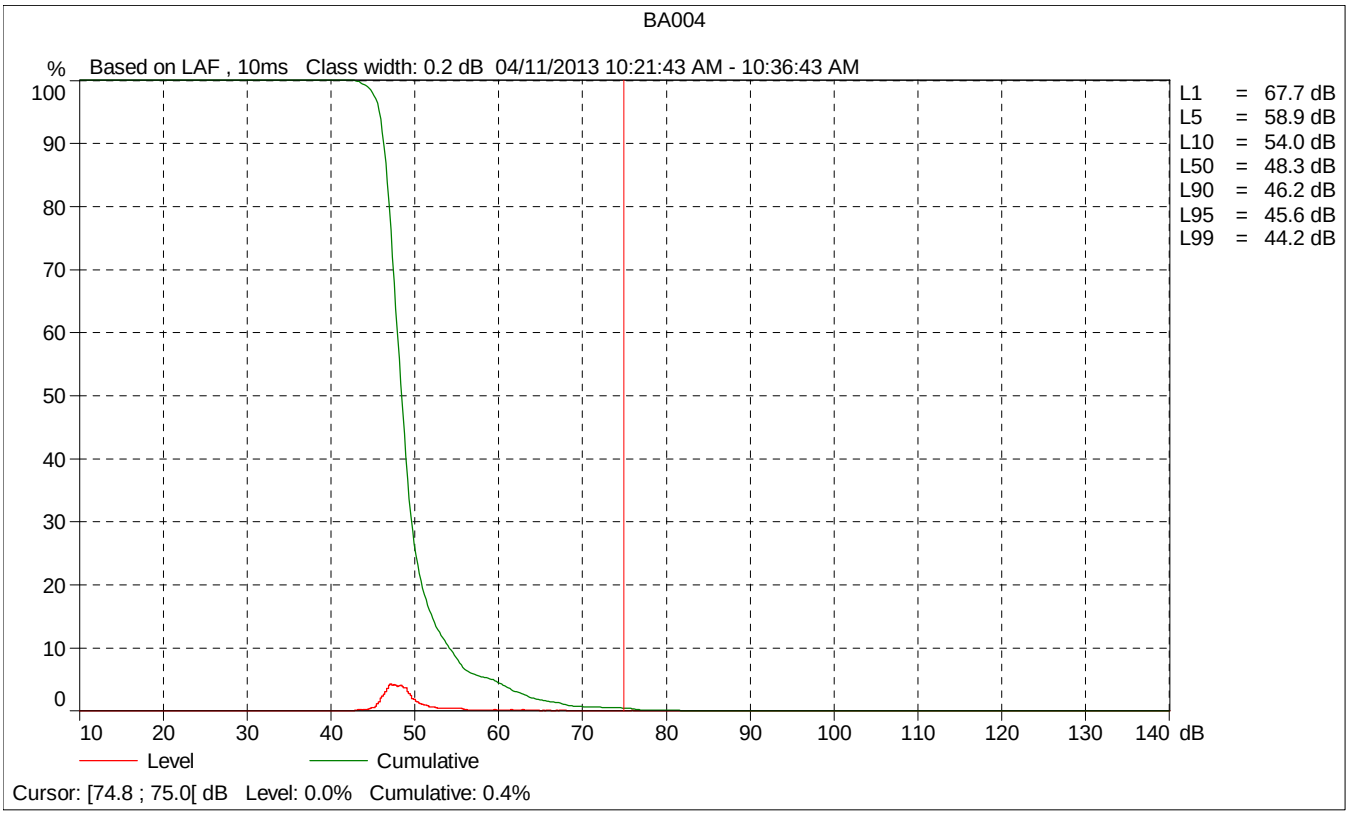
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

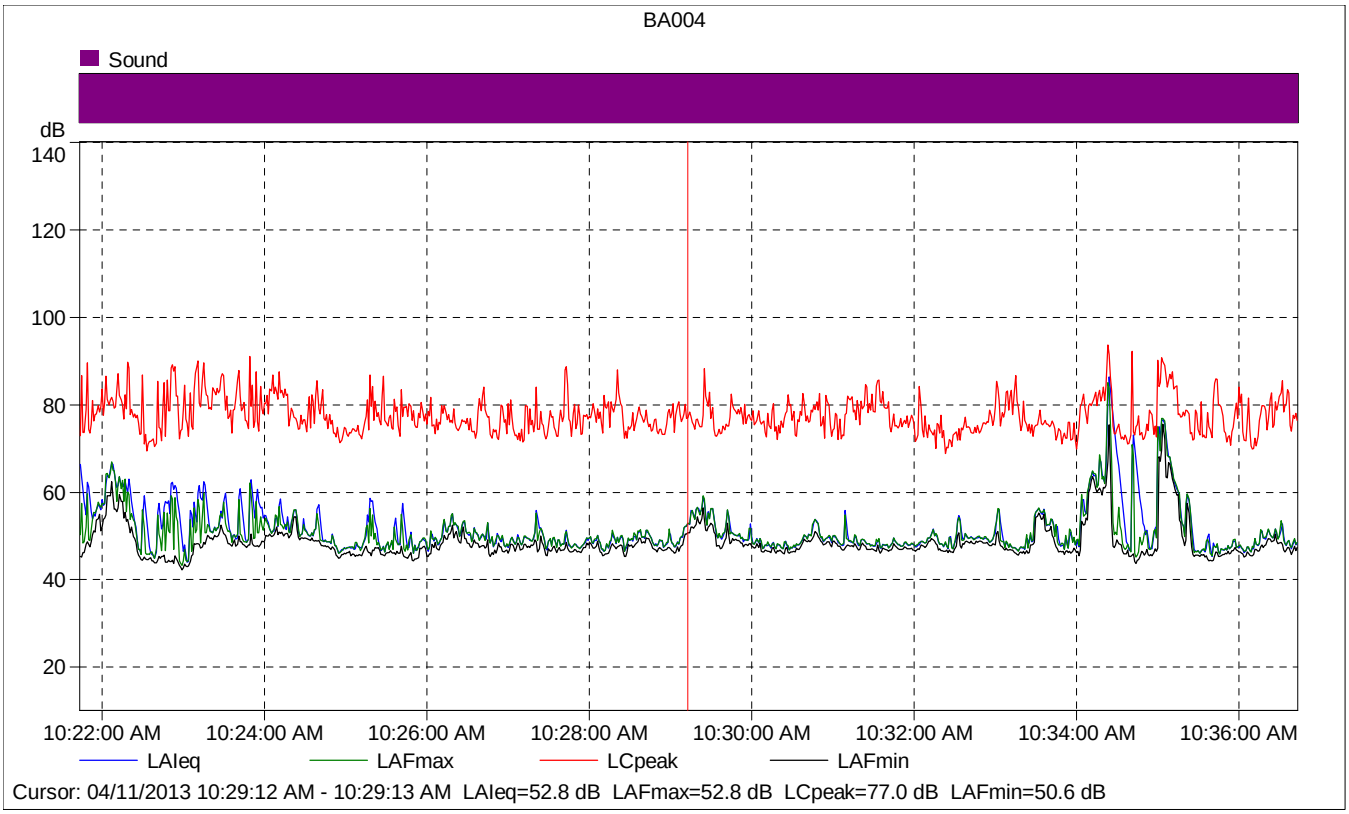
Calibration Time:		04/10/2013 16:41:38
Calibration Type:		External reference
Sensitivity:		63.68 mV/Pa

BA004

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	57.2	85.0	42.2
Time	10:21:43 AM	10:36:43 AM	0:15:00				
Date	04/11/2013	04/11/2013					

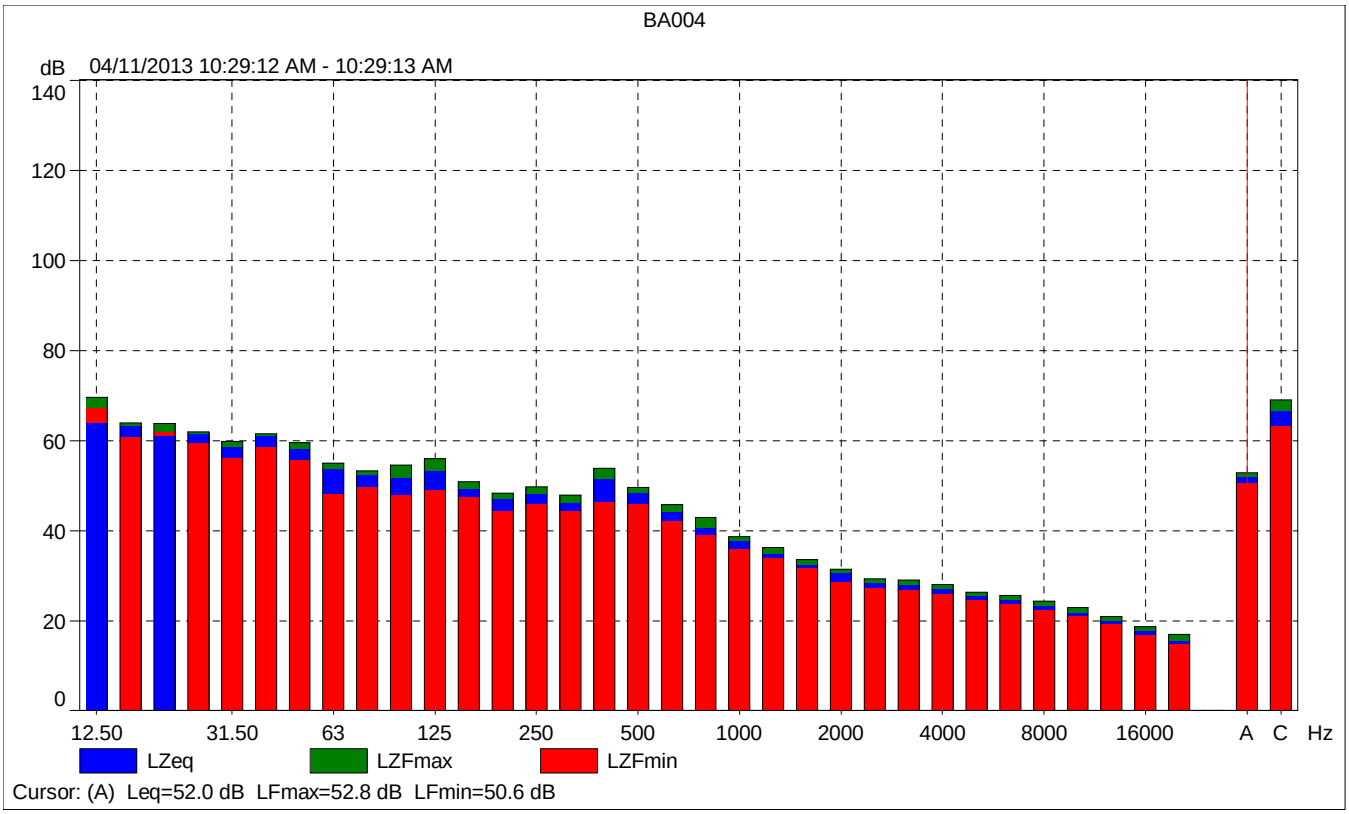

BA004
dB
04/11/2013 10:21:43 AM - 10:36:43 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=57.2 dB LFmax=85.0 dB LFmin=42.2 dB

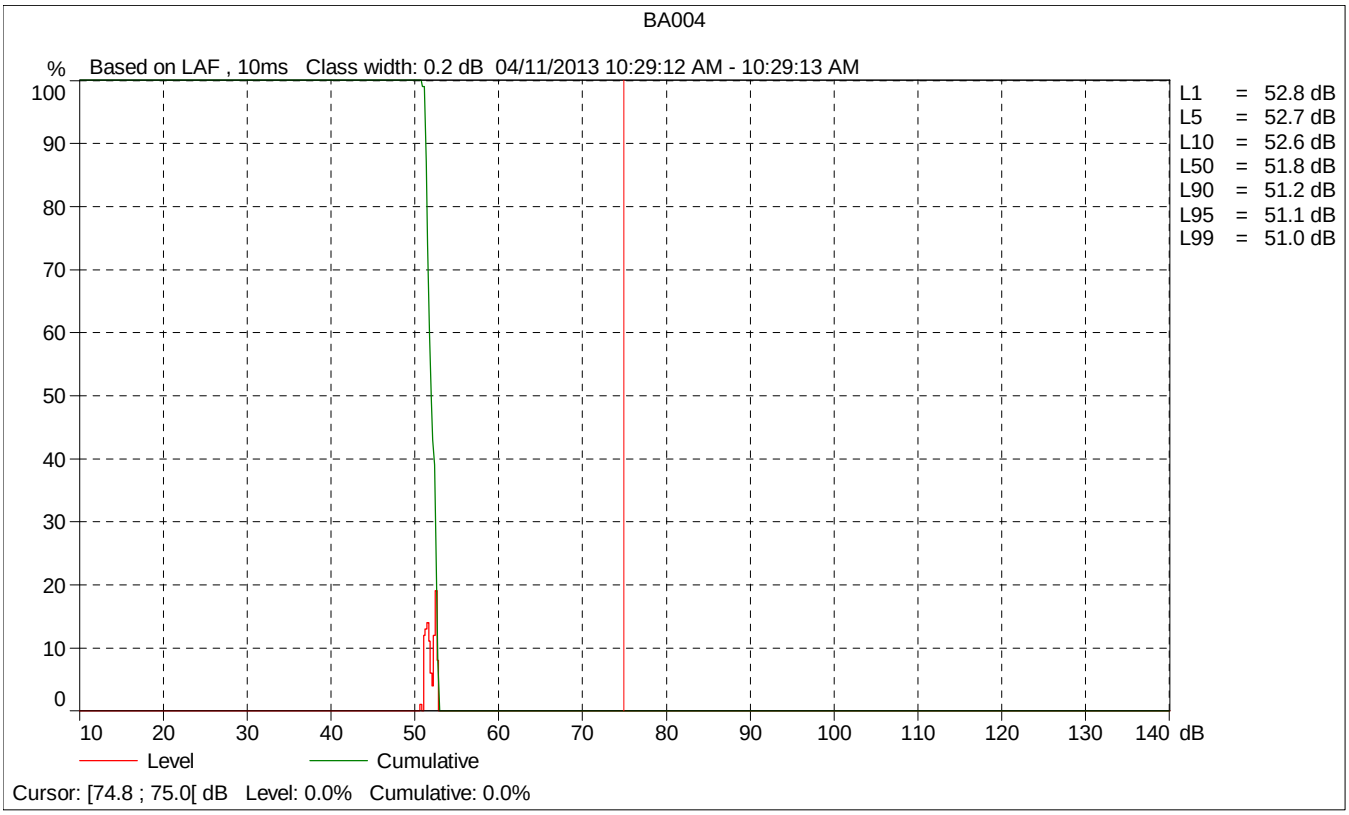

BA004
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:21:43 AM - 10:36:43 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 67.7 dB
L5 = 58.9 dB
L10 = 54.0 dB
L50 = 48.3 dB
L90 = 46.2 dB
L95 = 45.6 dB
L99 = 44.2 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.4%

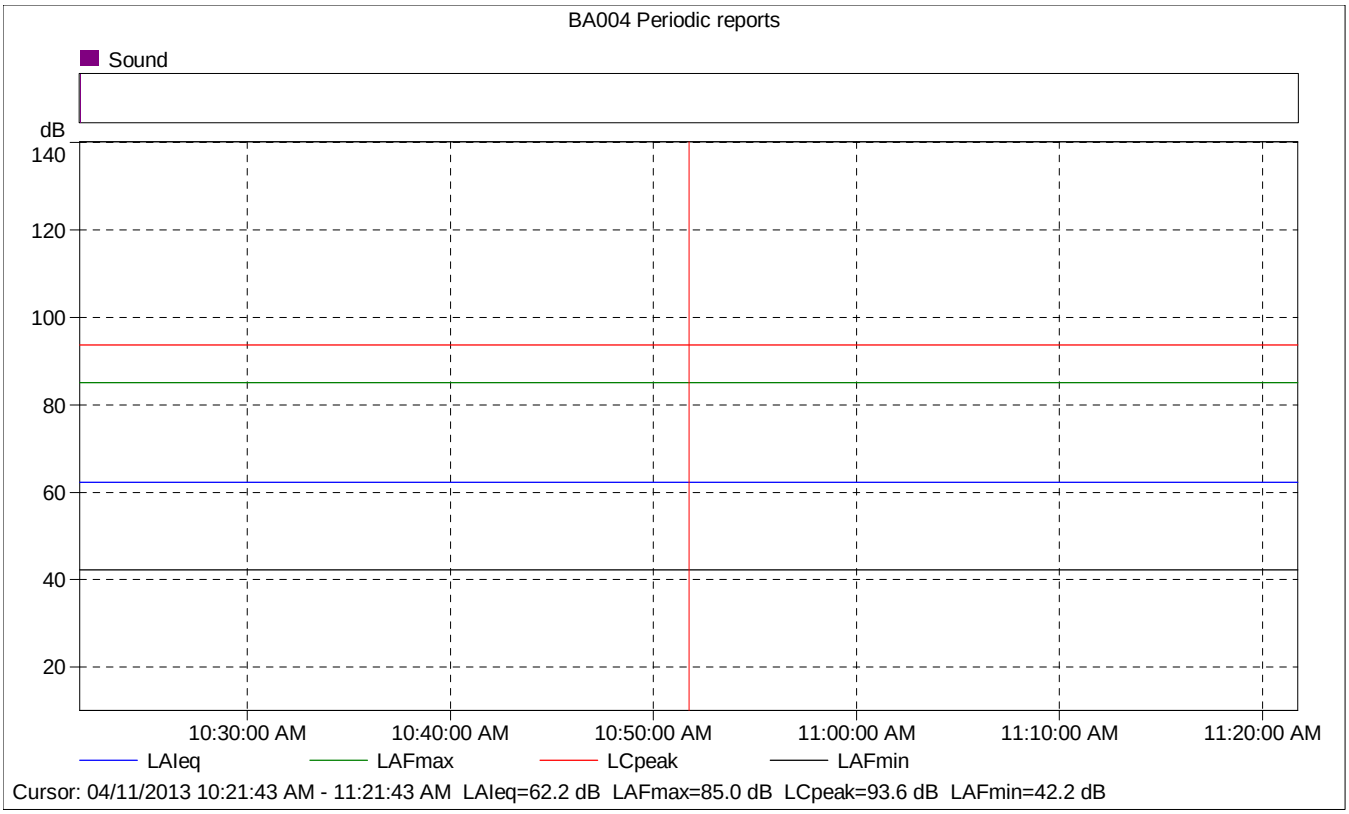


BA004

	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			52.8	52.8	50.6
Time	10:29:12 AM	0:00:01			
Date	04/11/2013				

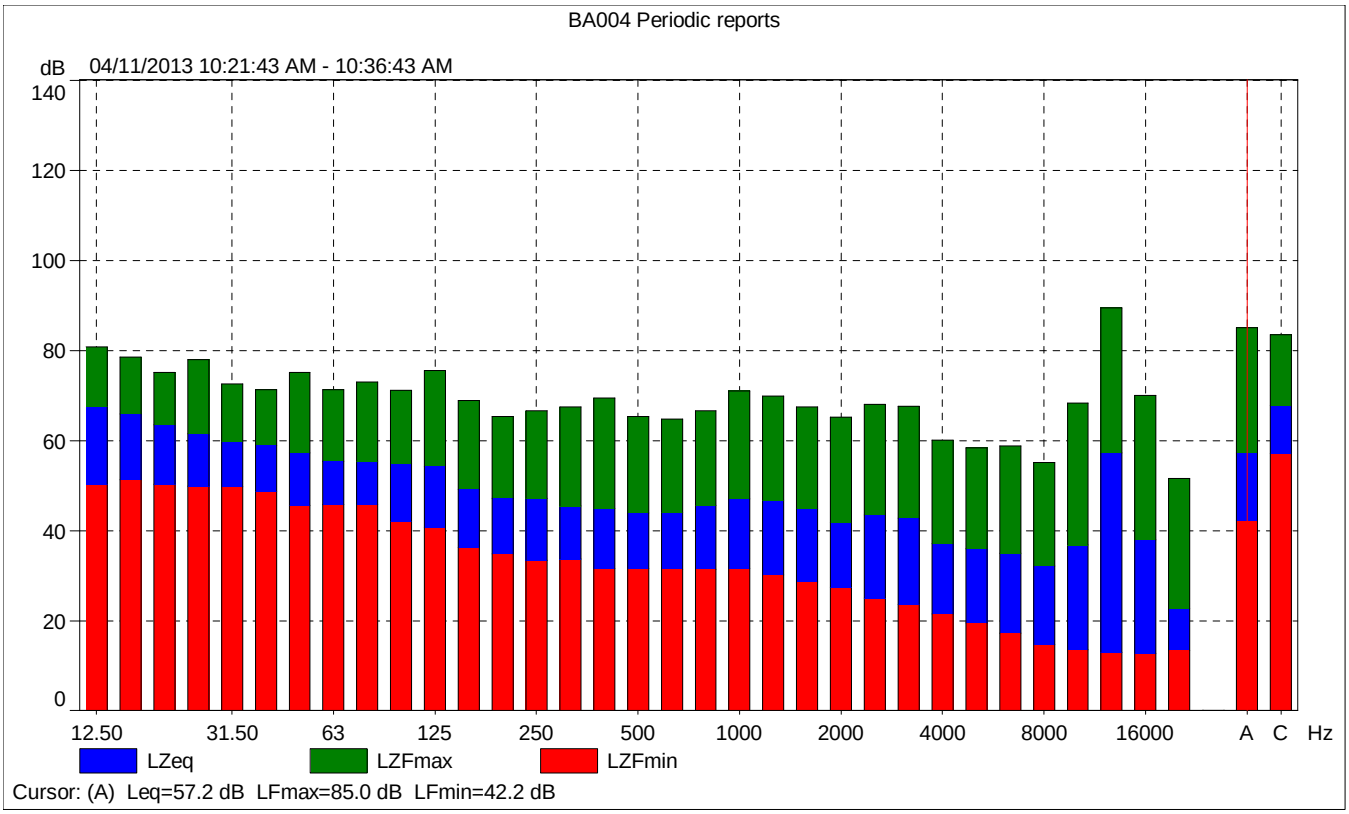

BA004
dB
04/11/2013 10:29:12 AM - 10:29:13 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=52.0 dB LFmax=52.8 dB LFmin=50.6 dB

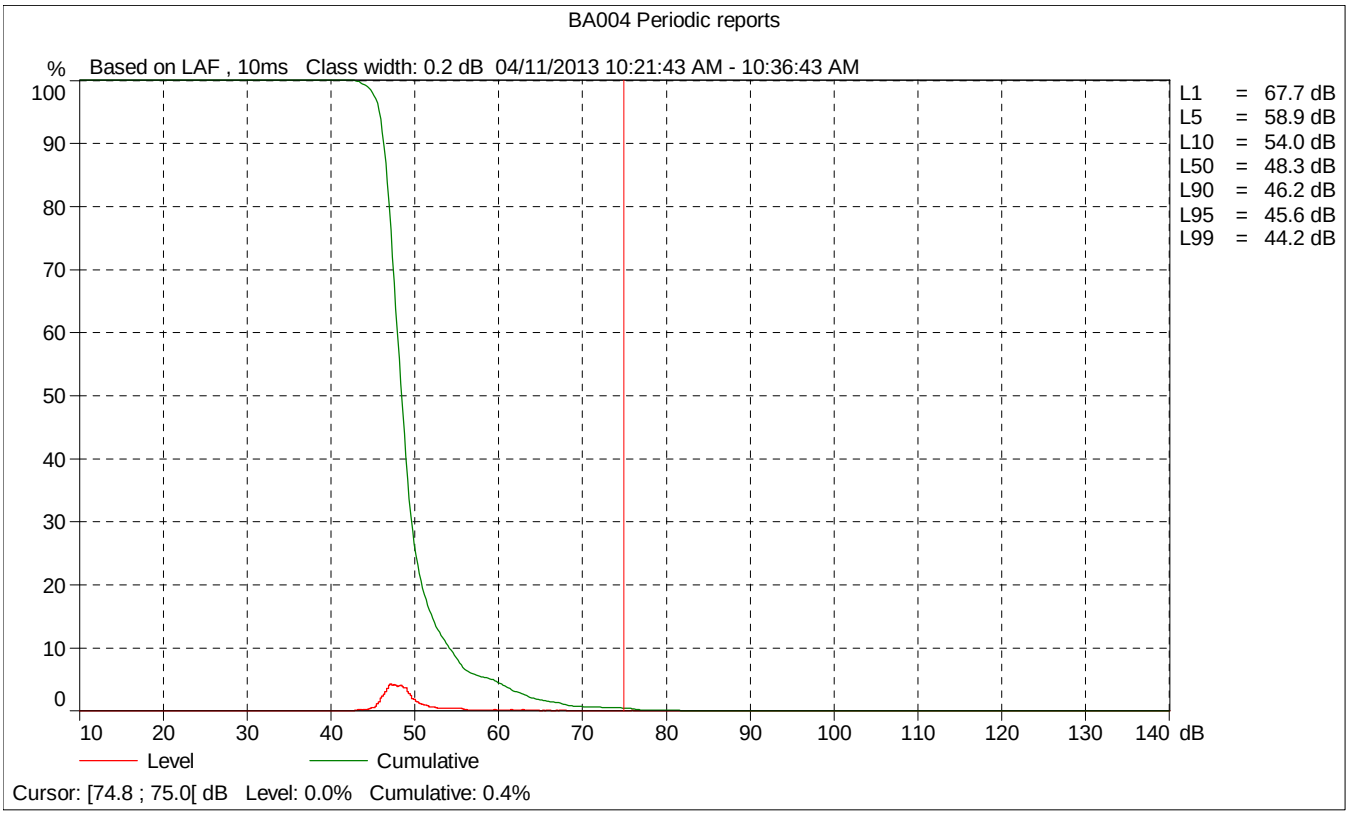

BA004
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:29:12 AM - 10:29:13 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 52.8 dB
L5 = 52.7 dB
L10 = 52.6 dB
L50 = 51.8 dB
L90 = 51.2 dB
L95 = 51.1 dB
L99 = 51.0 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

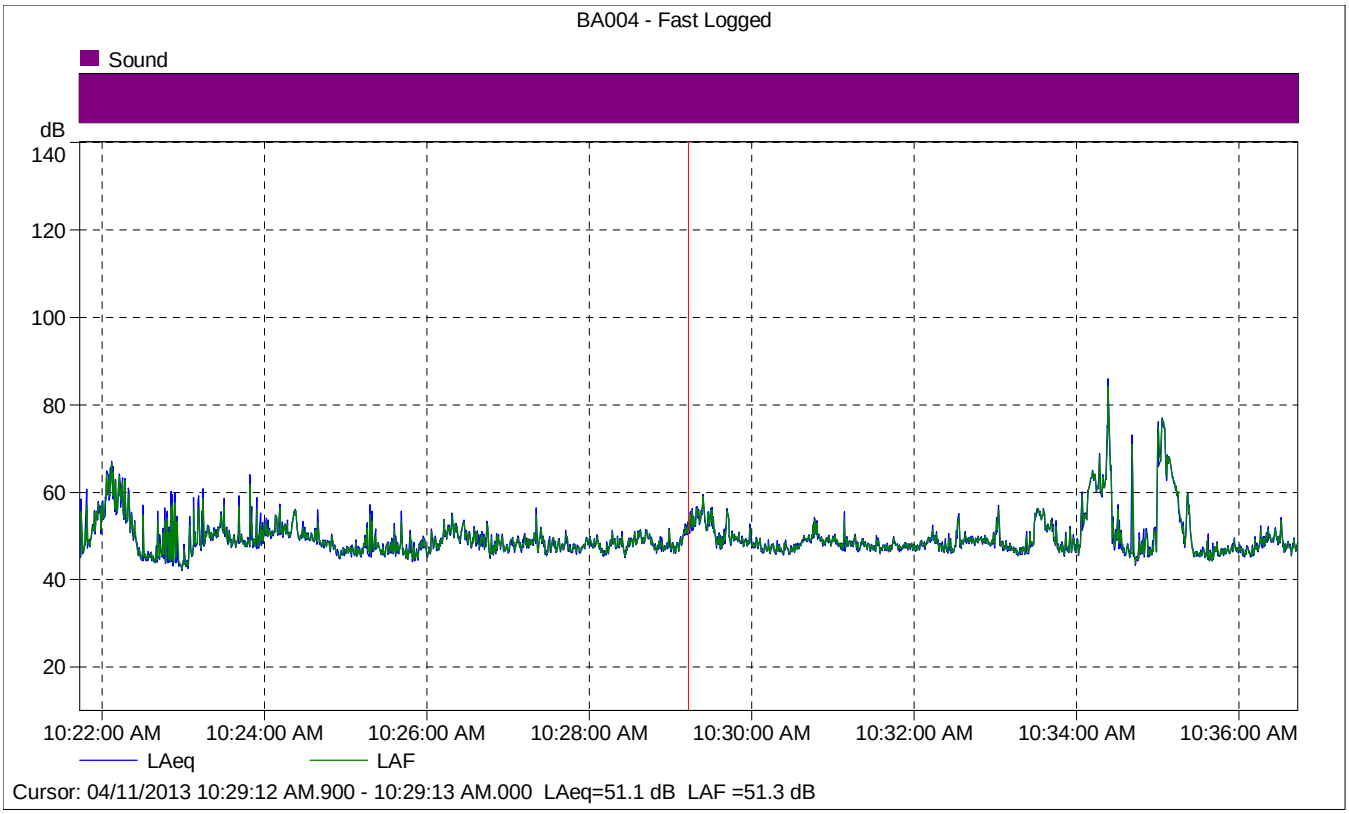


BA004 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	62.2	85.0	42.2
Time	10:21:43 AM	0:15:00				
Date	04/11/2013					


BA004 Periodic reports
dB
04/11/2013 10:21:43 AM - 10:36:43 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=57.2 dB LFmax=85.0 dB LFmin=42.2 dB


BA004 Periodic reports
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:21:43 AM - 10:36:43 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 67.7 dB
L5 = 58.9 dB
L10 = 54.0 dB
L50 = 48.3 dB
L90 = 46.2 dB
L95 = 45.6 dB
L99 = 44.2 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.4%



BA004 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			51.1
Time	10:29:12 AM.900	0:00:00.100	
Date	04/11/2013		

Site Number: BA005			
Recorded By: Kelly Chiene			
Job Number: 130100			
Date: 4/11/13			
Time: 11:44 a.m.			
Location: Huntington Continental Apartments, near Kingswood Lane			
Source of Peak Noise: Traffic along Brookhurst Street; dogs; 3 planes; birds; music; Kohl's loading docks/trucks.			
Noise Data			
Leq (dB)	**Lmin (dB)**	**Lmax (dB)**	**Peak (dB)**
52.7	44.2	73.7	98.1

Equipment						
Category	**Type**	**Vendor**	**Model**	**Serial No.**	**Cert. Date**	**Note**
Sound	Sound Level Meter	**Brüel & Kjær**	**2250**	**2548189**	**11/14/2007**	
	Microphone	**Brüel & Kjær**	**4189**	**2543364**	**11/15/2007**	
	Preamp	**Brüel & Kjær**	**ZC 0032**	**4265**	**7/18/2006**	
	Calibrator	**Brüel & Kjær**	**4231**	**2545667**	**7/31/2006**	

Weather Data			
Est.	**Duration:** 10 minutes		**Sky:** ☼
	Note: dBA Offset =0.05		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (hPa)**
	5	71	79.90

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 2.0.2
Start Time:		04/11/2013 10:44:07
End Time:		04/11/2013 10:59:07
Elapsed Time:		00:15:00
Bandwidth:		1/3-octave
Max Input Level:		138.83

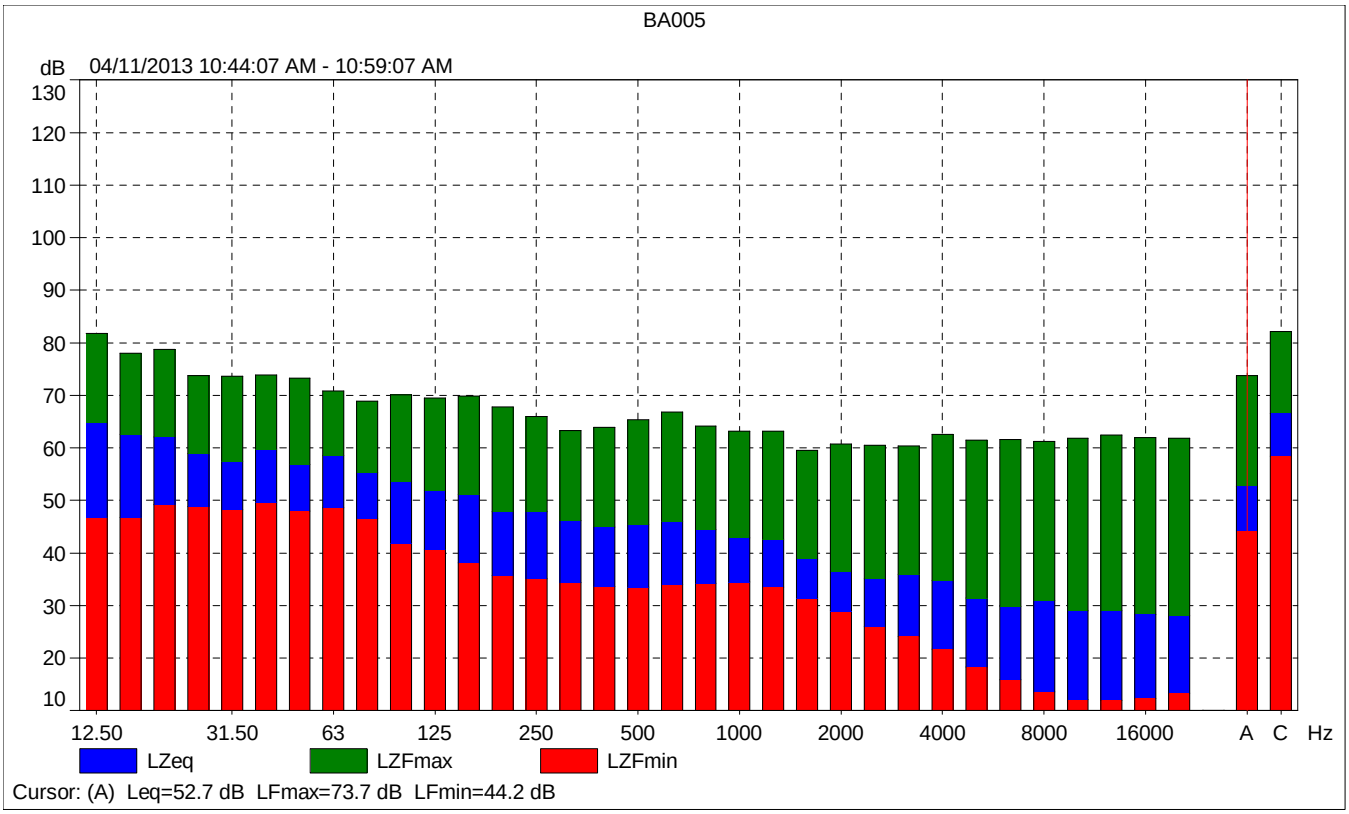
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

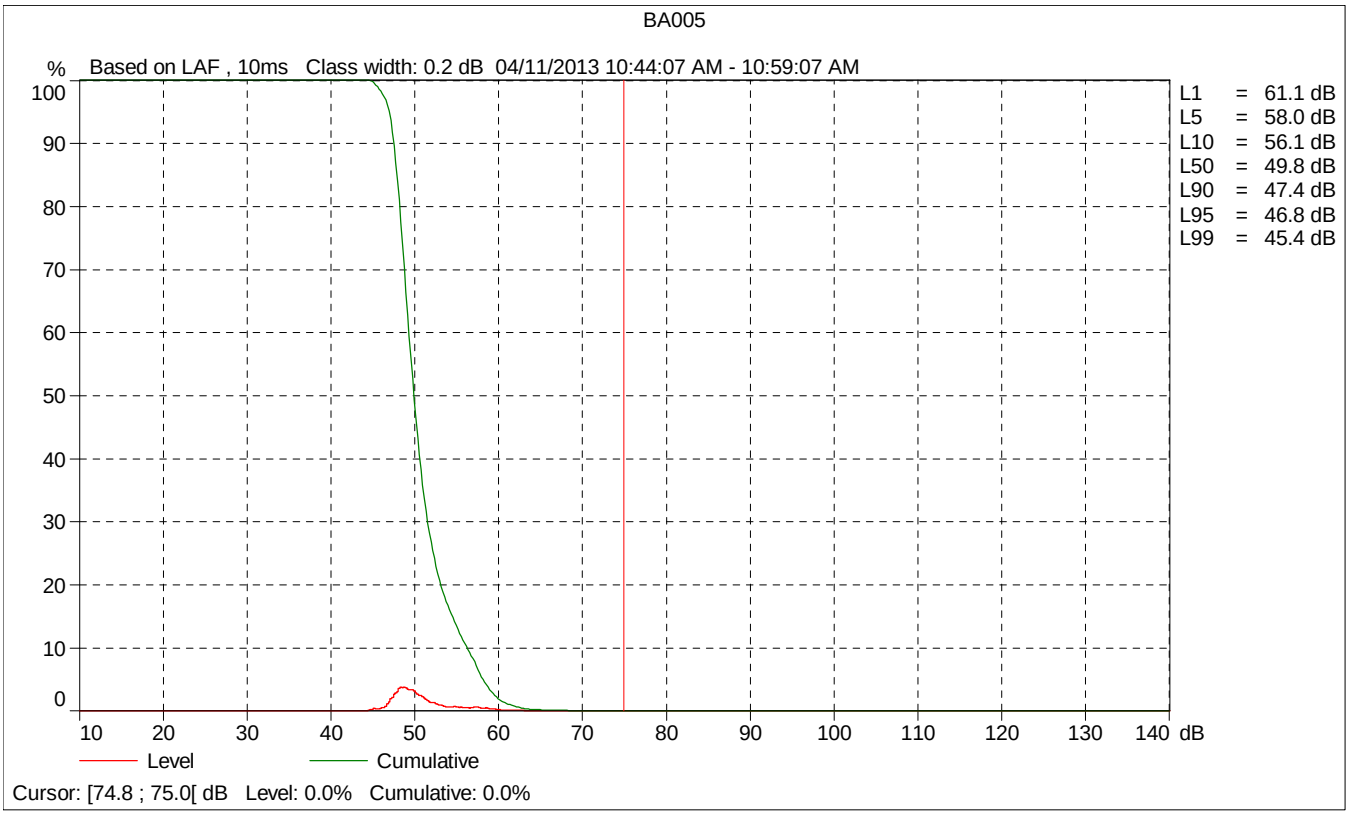
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Diffuse-field

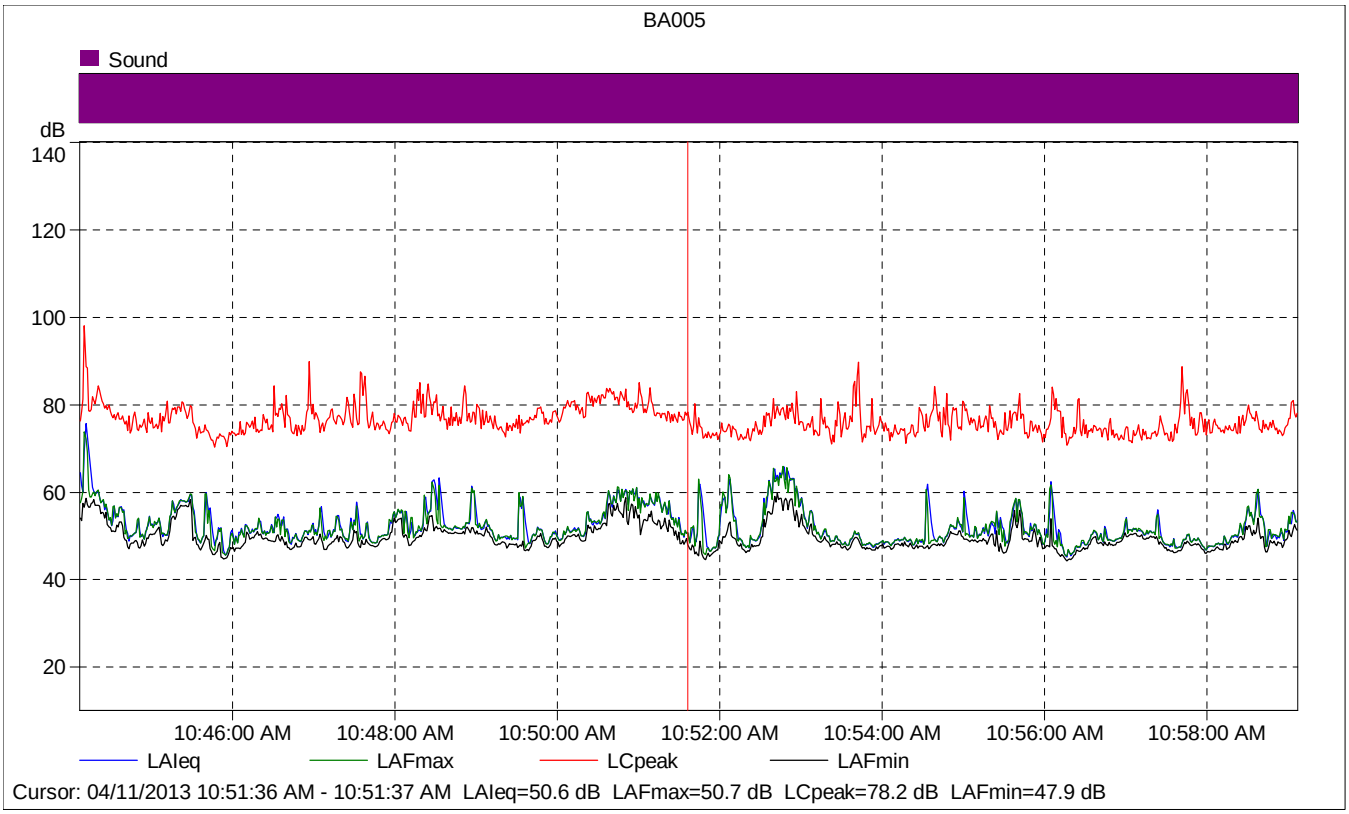
Calibration Time:		04/10/2013 16:41:38
Calibration Type:		External reference
Sensitivity:		63.68 mV/Pa

BA005

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	52.7	73.7	44.2
Time	10:44:07 AM	10:59:07 AM	0:15:00				
Date	04/11/2013	04/11/2013					

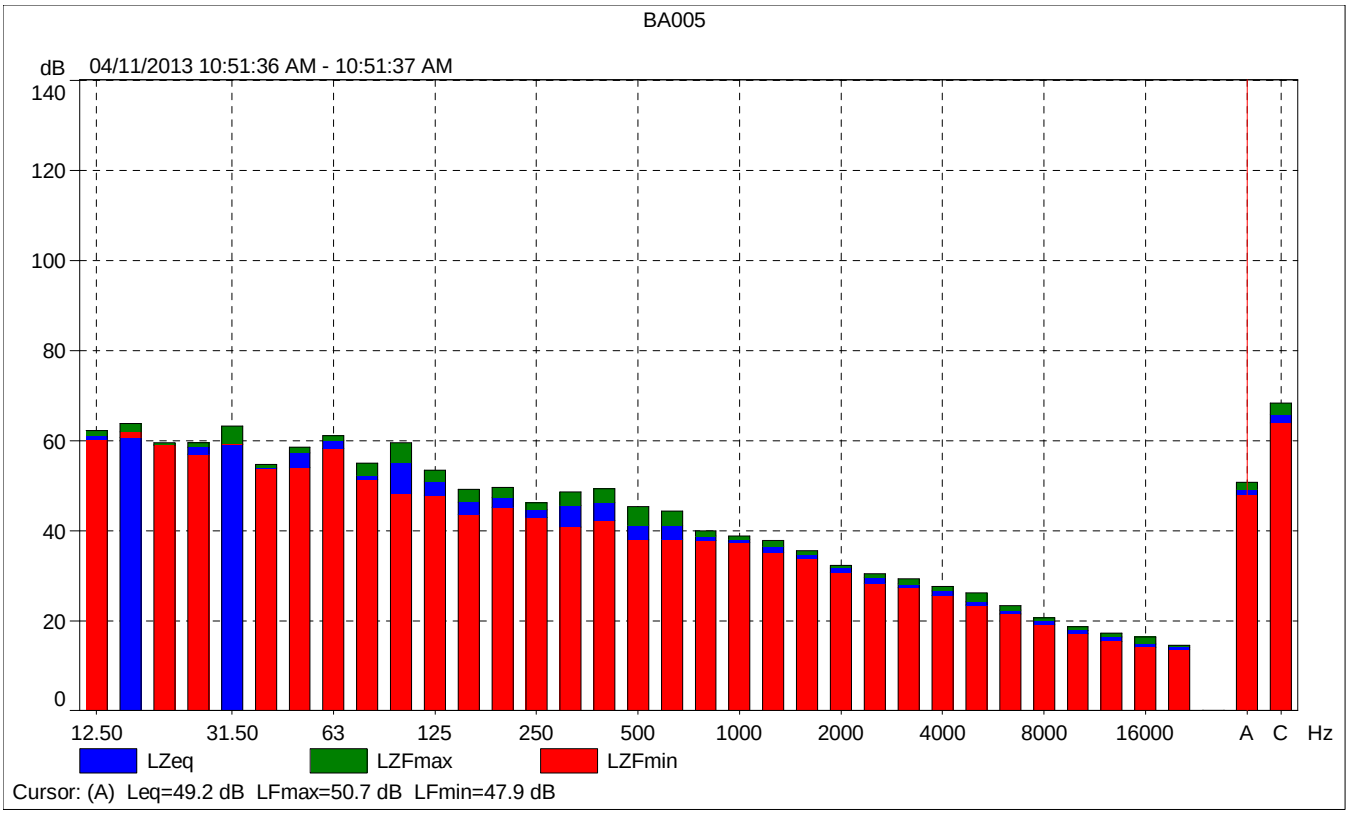

BA005
dB
04/11/2013 10:44:07 AM - 10:59:07 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=52.7 dB LFmax=73.7 dB LFmin=44.2 dB

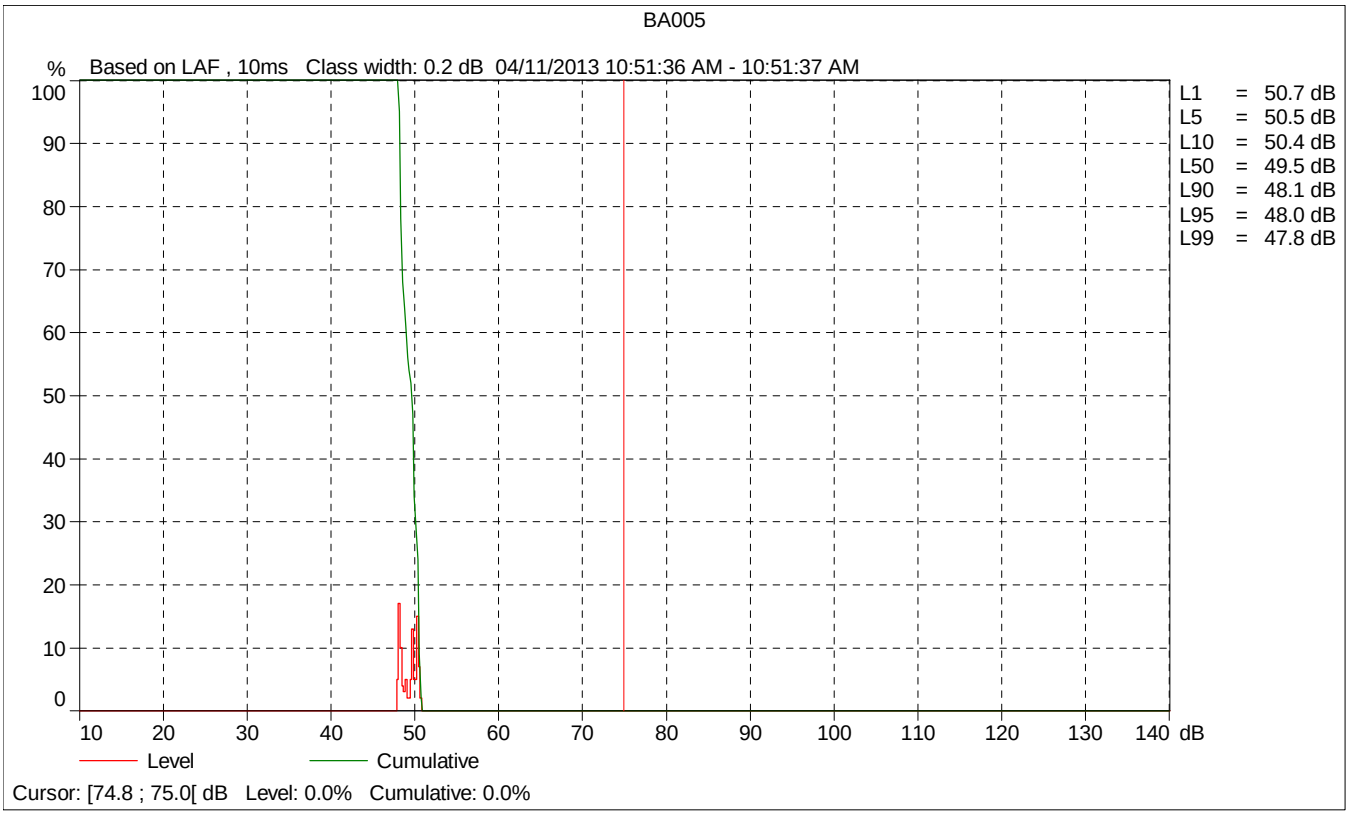

BA005
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:44:07 AM - 10:59:07 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 61.1 dB
L5 = 58.0 dB
L10 = 56.1 dB
L50 = 49.8 dB
L90 = 47.4 dB
L95 = 46.8 dB
L99 = 45.4 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

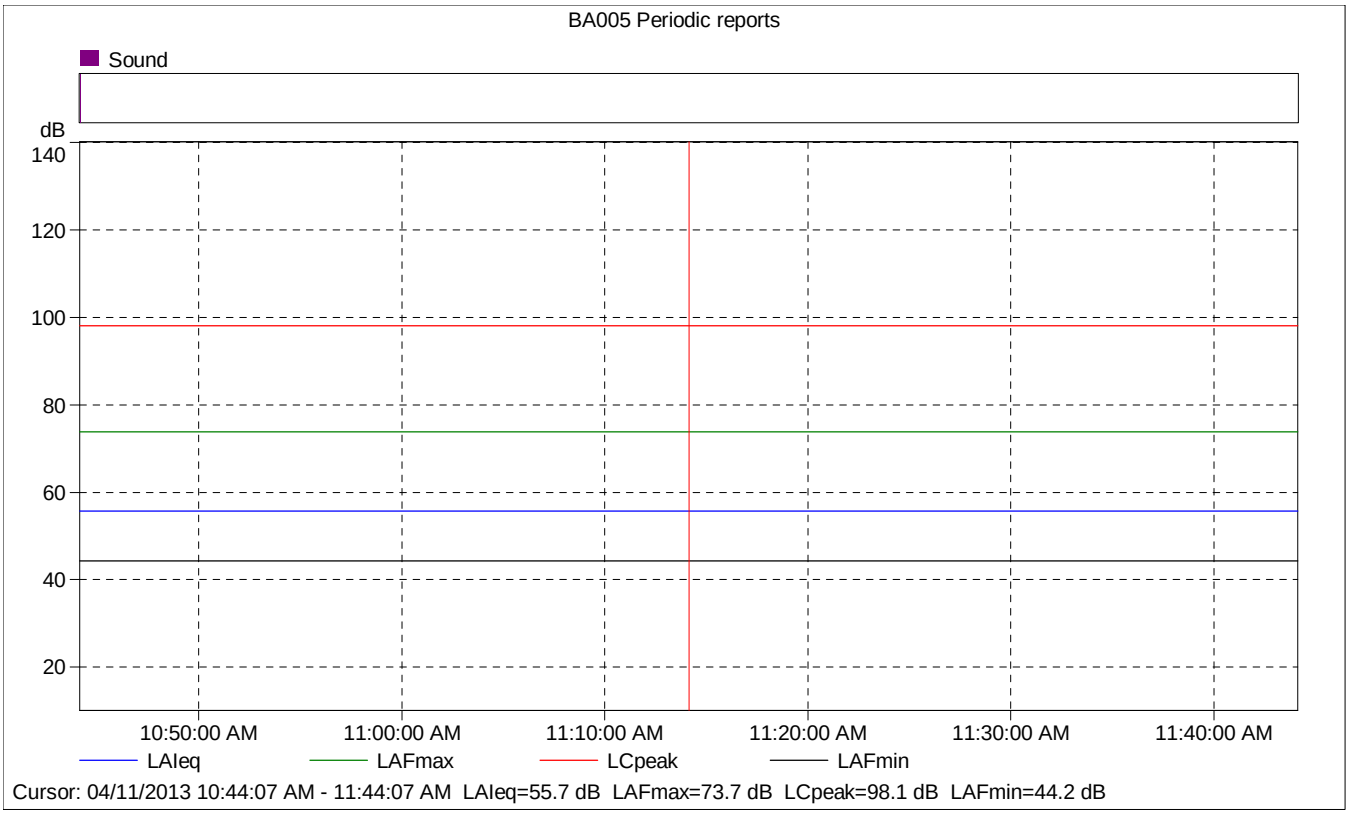


BA005

	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			50.6	50.7	47.9
Time	10:51:36 AM	0:00:01			
Date	04/11/2013				

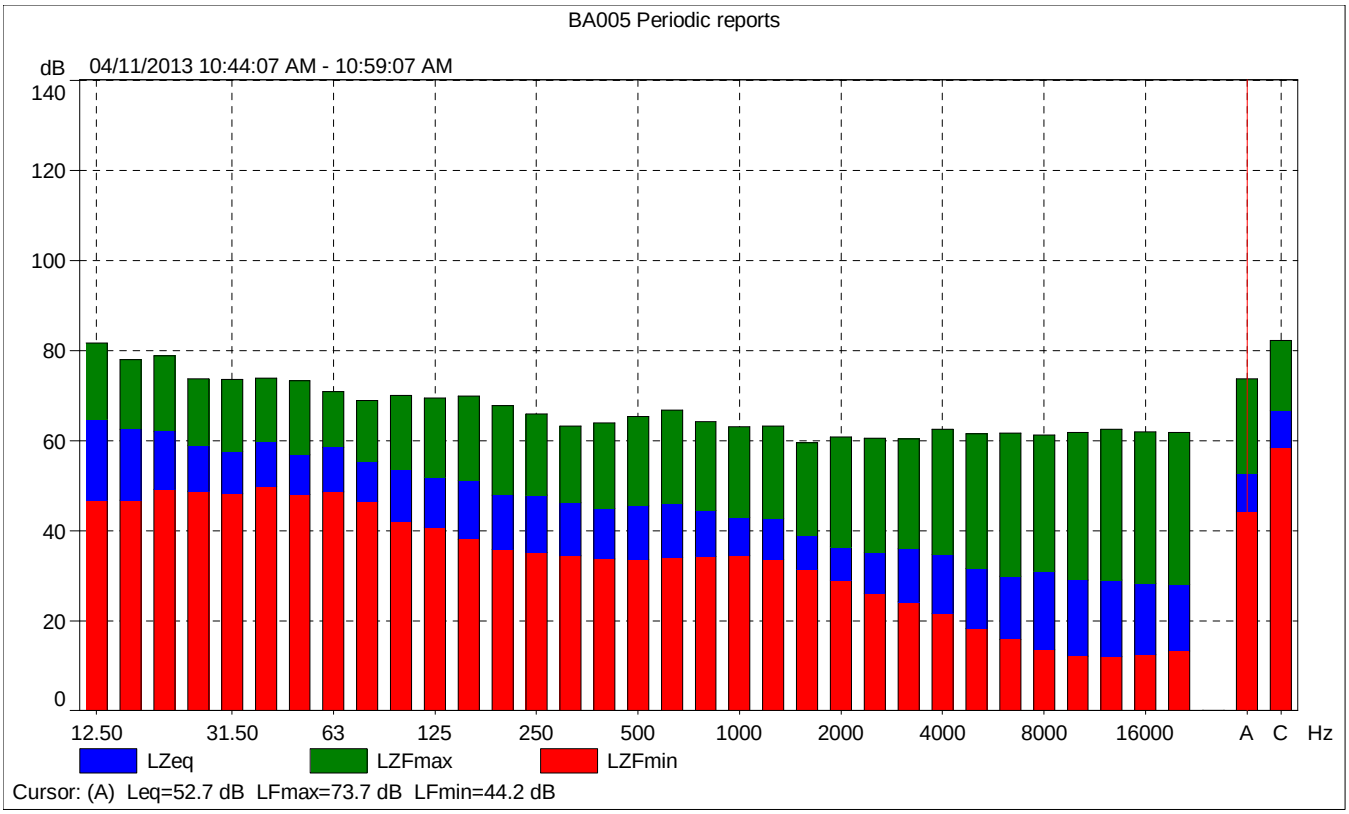

BA005
dB
04/11/2013 10:51:36 AM - 10:51:37 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=49.2 dB LFmax=50.7 dB LFmin=47.9 dB

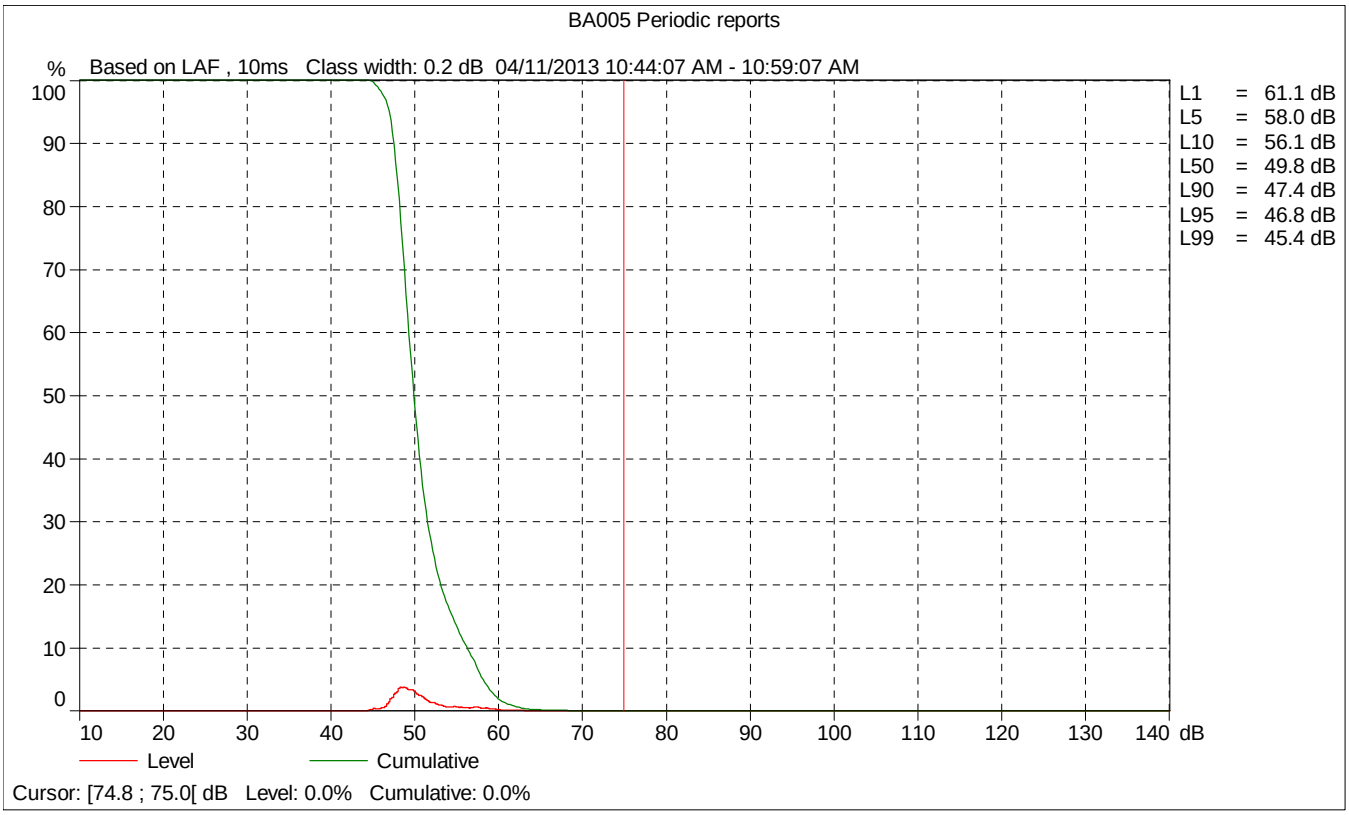

BA005
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:51:36 AM - 10:51:37 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 50.7 dB
L5 = 50.5 dB
L10 = 50.4 dB
L50 = 49.5 dB
L90 = 48.1 dB
L95 = 48.0 dB
L99 = 47.8 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%

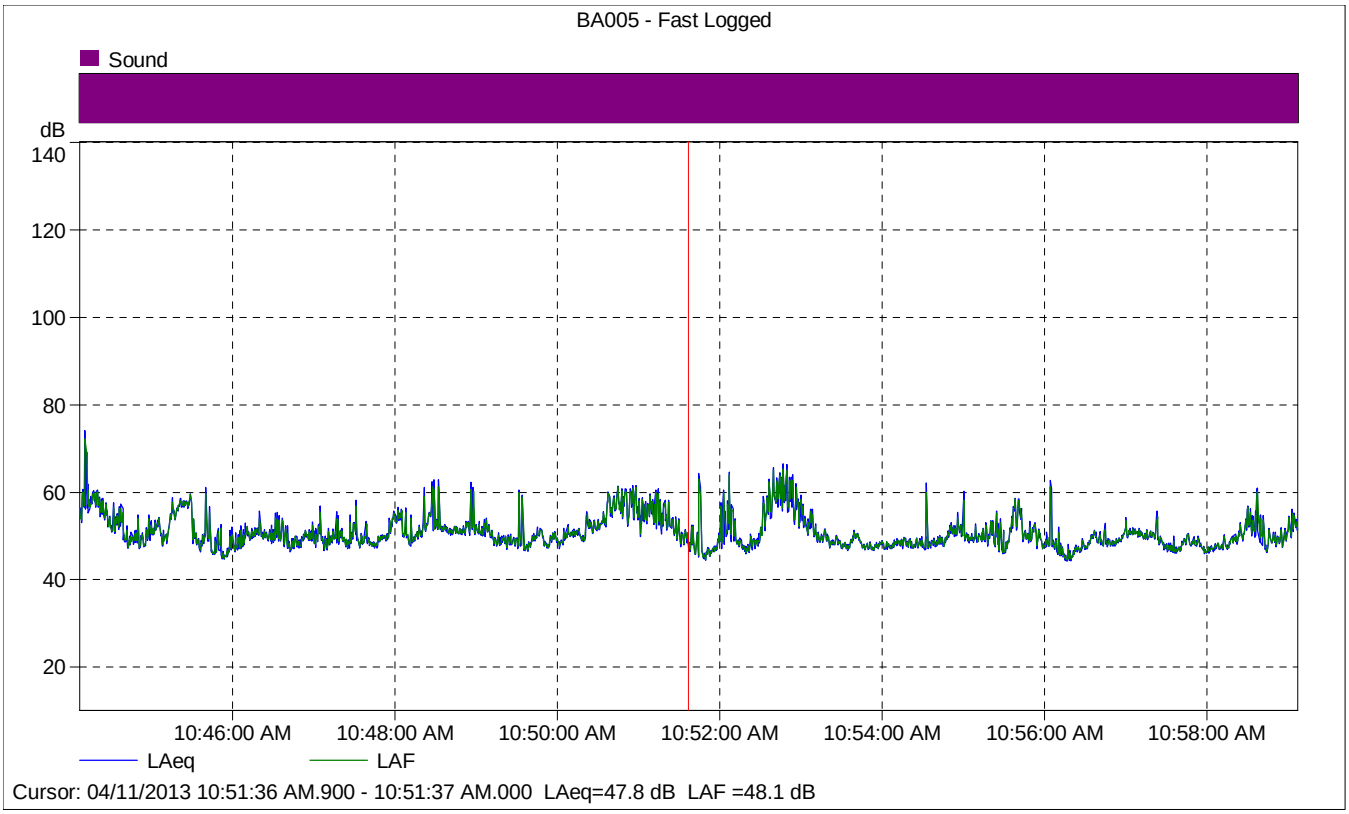


BA005 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	55.7	73.7	44.2
Time	10:44:07 AM	0:15:00				
Date	04/11/2013					


BA005 Periodic reports
dB
04/11/2013 10:44:07 AM - 10:59:07 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=52.7 dB LFmax=73.7 dB LFmin=44.2 dB


BA005 Periodic reports
%
Based on LAF , 10ms Class width: 0.2 dB 04/11/2013 10:44:07 AM - 10:59:07 AM
100
90
80
70
60
50
40
30
20
10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 61.1 dB
L5 = 58.0 dB
L10 = 56.1 dB
L50 = 49.8 dB
L90 = 47.4 dB
L95 = 46.8 dB
L99 = 45.4 dB
Level
Cumulative
Cursor: [74.8 ; 75.0[dB Level: 0.0% Cumulative: 0.0%



BA005 - Fast Logged

	Start time	Elapsed time	LAeq [dB]
Value			47.8
Time	10:51:36 AM.900	0:00:00.100	
Date	04/11/2013		

Huntington Bay - Long Term Noise Measurement

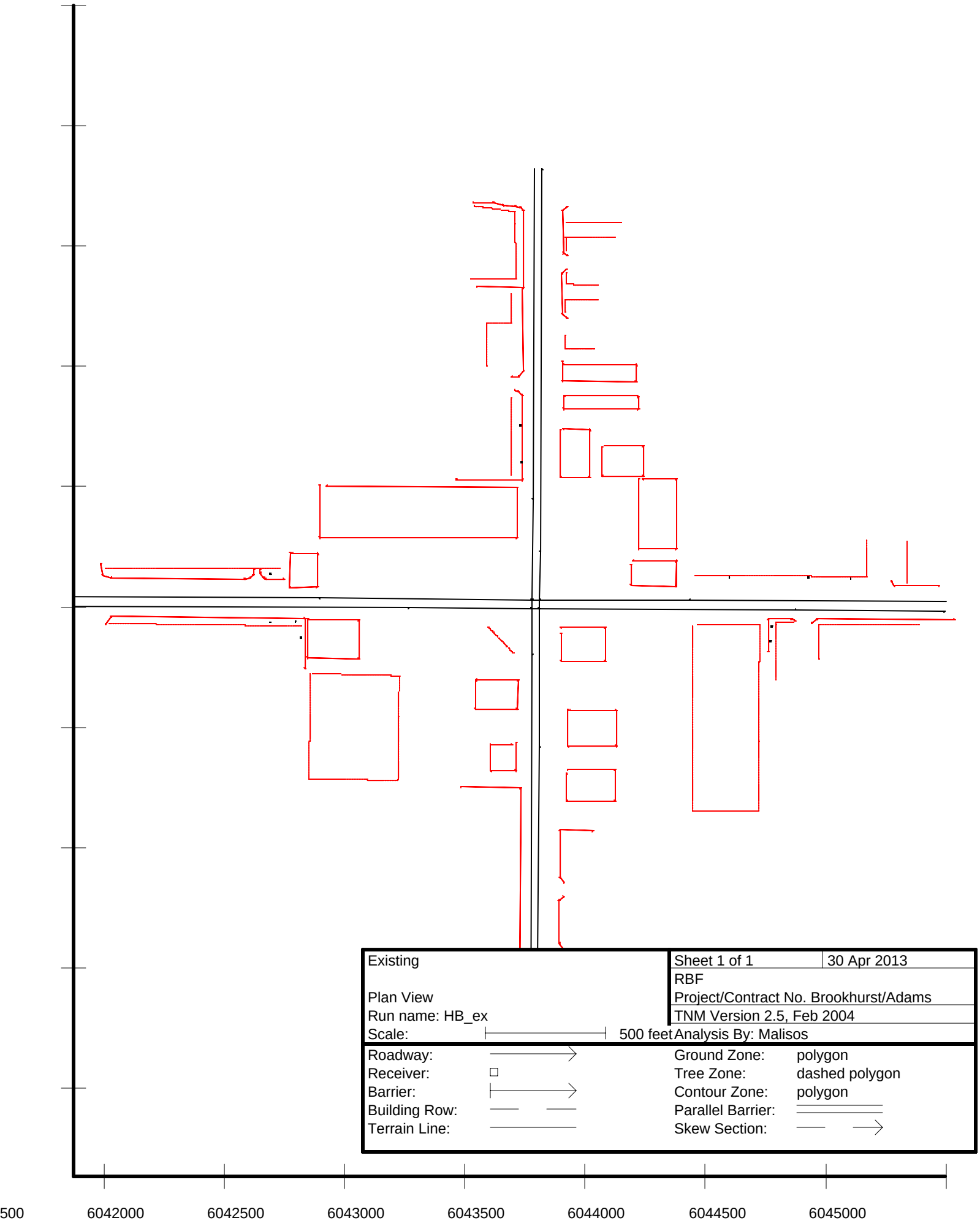
C:\LARDAV\SLMUTIL\HUNTBAY.bin Interval Data

Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	L(2)	L(8)	L(25)	L(50)	L(90)	L(99)
25Mar 13	11:05:34	3265.5	63.7	98.8	74.4	45.5	93.8	69.5	67.5	65.2	62.4	53.9	48.6
25Mar 13	12:00:00	3600	63.8	99.4	76.7	46.2	94.1	69.3	67.3	65.3	62.7	55.1	48.7
25Mar 13	13:00:00	3600	63.6	99.2	76.5	47.7	91.0	68.9	67.4	65.1	62.3	54.7	49.1
25Mar 13	14:00:00	3600	64.2	99.8	74.5	47.1	93.1	69.0	67.8	65.9	63.2	55.8	50.2
25Mar 13	15:00:00	3600	64.7	100.3	77.9	49.2	94.1	69.9	67.9	66.0	63.6	57.1	51.7
25Mar 13	16:00:00	3600	65.1	100.7	87.3	48.1	101.4	69.7	67.7	65.8	63.7	57.1	52.1
25Mar 13	17:00:00	3600	64.0	99.5	79.5	47.8	91.8	68.8	66.9	65.0	63.2	57.8	51.5
25Mar 13	18:00:00	3600	66.0	101.6	94.2	47.5	113.8	69.9	67.7	65.6	63.2	56.1	50.4
25Mar 13	19:00:00	3600	64.5	100.1	83.7	45.1	103.1	69.9	67.4	65.0	62.0	54.0	47.8
25Mar 13	20:00:00	3600	62.6	98.1	72.9	43.8	88.2	68.4	66.6	64.2	61.2	52.4	47.0
25Mar 13	21:00:00	3600	61.2	96.7	74.0	43.5	93.8	67.4	65.5	62.9	59.1	48.8	44.9
25Mar 13	22:00:00	3600	59.9	95.5	73.6	39.6	100.7	66.5	64.5	61.6	57.1	46.9	42.7
25Mar 13	23:00:00	3600	57.3	92.8	72.6	36.7	90.3	65.2	62.5	58.1	52.1	41.7	37.7
26Mar 13	0:00:00	3600	54.9	90.5	68.4	33.0	90.4	63.6	60.9	55.0	46.1	37.4	35.1
26Mar 13	1:00:00	3600	50.9	86.5	66.6	30.0	85.1	61.5	56.9	47.1	38.6	33.2	31.1
26Mar 13	2:00:00	3600	51.6	87.2	73.1	28.8	85.6	62.0	55.9	42.3	34.3	30.9	29.3
26Mar 13	3:00:00	3600	50.0	85.6	67.6	29.1	89.8	61.3	54.7	42.2	35.5	30.9	29.5
26Mar 13	4:00:00	3600	54.2	89.8	73.8	31.1	88.8	63.2	59.5	52.9	43.3	34.5	32.3
26Mar 13	5:00:00	3600	58.7	94.3	75.0	33.8	91.9	66.4	63.6	59.4	53.9	41.0	35.8
26Mar 13	6:00:00	3600	62.7	98.3	75.5	40.0	91.8	69.9	67.4	63.8	60.1	50.4	42.6
26Mar 13	7:00:00	3600	66.0	101.6	83.5	47.0	97.8	71.7	69.7	67.6	64.5	56.2	50.0
26Mar 13	8:00:00	3600	66.2	101.7	73.5	47.1	90.2	70.5	69.4	67.8	65.8	59.9	52.8
26Mar 13	9:00:00	3600	64.3	99.9	73.9	45.0	91.2	70.0	68.1	65.9	63.2	55.1	48.6
26Mar 13	10:00:00	3600	64.1	99.7	75.8	45.9	91.1	69.7	67.9	65.6	62.9	55.1	48.4
26Mar 13	11:00:00	3600	64.5	100.1	86.2	49.6	110.2	69.9	67.7	65.6	62.9	56.4	52.7
26Mar 13	12:00:00	3600	64.1	99.7	77.0	46.8	91.9	69.7	67.6	65.5	63.1	56.0	50.9

Lawson Lane - Long Term Noise Measurement

C:\LARDAV\SLMUTIL\LAWSON.bin Interval Data

Date	Time	Duration	Leq	SEL	Lmax	Lmin	Peak	L(2)	L(8)	L(25)	L(50)	L(90)	L(99)
25Mar 13	10:26:46	1993.8	59.0	92.0	70.8	43.9	100.4	64.9	63.2	60.4	57.1	49.9	45.5
25Mar 13	11:00:00	3600	59.0	94.5	73.0	42.9	84.8	64.9	62.9	60.1	57.2	49.6	44.5
25Mar 13	12:00:00	3600	59.4	95.0	77.6	43.7	87.9	65.0	62.9	60.4	57.7	50.5	45.7
25Mar 13	13:00:00	3600	59.2	94.7	76.5	44.0	90.8	65.0	62.9	60.3	57.3	50.9	46.1
25Mar 13	14:00:00	3600	59.5	95.1	71.5	43.8	84.1	65.2	63.3	60.6	58.0	51.5	46.0
25Mar 13	15:00:00	3600	59.7	95.2	76.0	45.8	89.4	64.8	63.4	60.7	58.4	52.7	48.2
25Mar 13	16:00:00	3600	61.2	96.8	86.7	43.7	99.6	66.2	63.6	60.9	58.3	52.7	47.8
25Mar 13	17:00:00	3600	60.4	96.0	79.3	44.4	91.9	65.7	63.6	61.1	58.5	53.6	47.4
25Mar 13	18:00:00	3600	59.7	95.2	75.9	44.1	88.0	65.2	63.5	60.5	58.0	52.0	46.4
25Mar 13	19:00:00	3600	58.4	94.0	71.1	42.3	82.6	64.3	61.9	59.4	56.8	50.8	46.1
25Mar 13	20:00:00	3600	57.2	92.8	70.9	45.5	83.7	63.5	61.5	58.3	55.2	48.9	46.3
25Mar 13	21:00:00	3600	56.1	91.7	67.9	43.6	81.3	62.5	60.6	57.3	53.8	47.1	45.1
25Mar 13	22:00:00	3600	55.2	90.8	67.8	41.6	95.2	62.4	59.7	56.3	52.5	45.7	43.8
25Mar 13	23:00:00	3600	52.2	87.7	65.5	37.5	82.8	59.6	56.9	53.1	48.6	40.4	38.3
26Mar 13	0:00:00	3600	50.4	85.9	70.4	36.7	81.5	58.9	55.2	49.8	43.3	38.1	36.8
26Mar 13	1:00:00	3600	46.6	82.2	61.5	36.5	74.9	56.8	51.5	44.1	39.4	36.7	36.5
26Mar 13	2:00:00	3600	46.5	82.0	66.1	36.2	85.0	56.4	50.9	40.8	37.3	36.2	36.2
26Mar 13	3:00:00	3600	44.7	80.3	62.2	36.4	80.2	55.2	48.8	39.8	37.4	36.4	36.4
26Mar 13	4:00:00	3600	50.8	86.4	72.9	36.0	82.9	59.8	55.7	48.6	40.9	36.7	36.1
26Mar 13	5:00:00	3600	55.2	90.8	76.4	36.4	90.2	63.2	59.9	55.0	49.5	39.2	36.7
26Mar 13	6:00:00	3600	59.1	94.7	74.1	39.7	87.9	66.6	63.9	59.7	55.3	46.6	41.3
26Mar 13	7:00:00	3600	61.5	97.1	74.6	43.5	98.4	67.2	65.6	63.3	59.3	51.9	46.9
26Mar 13	8:00:00	3600	75.1	110.7	95.1	44.9	107.8	86.6	78.7	64.4	60.9	54.4	48.2
26Mar 13	9:00:00	3600	59.4	94.9	71.1	42.8	85.3	65.6	63.8	60.7	57.2	49.9	44.8
26Mar 13	10:00:00	3600	59.0	94.6	72.2	43.0	85.1	65.1	63.3	60.2	57.1	49.6	44.2
26Mar 13	11:00:00	3600	59.3	94.9	75.3	44.5	86.7	65.4	63.1	60.3	57.4	51.2	46.4
26Mar 13	12:00:00	3600	59.5	95.0	82.0	44.5	95.7	64.9	62.9	60.5	57.4	51.2	46.4


Existing
Plan View
Run name: HB_ex
Scale:
500 feet
Sheet 1 of 1
30 Apr 2013
RBF
Project/Contract No. Brookhurst/Adams
TNM Version 2.5, Feb 2004
Analysis By: Malisos
Roadway:
Receiver:
Barrier:
Building Row:
Terrain Line:
Ground Zone: polygon
Tree Zone: dashed polygon
Contour Zone: polygon
Parallel Barrier:
Skew Section:
500
6042000
6042500
6043000
6043500
6044000
6044500
6045000

RBF 30 April 2013
Malisos TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Existing

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Brookhurst NB	45.0	point5	5	6,043,297.5	2,190,722.8	12.10				Average	
		point28	28	6,043,306.0	2,191,930.0	12.45				Average	
		point6	6	6,043,306.5	2,192,500.8	12.80				Average	
		point7	7	6,043,307.0	2,192,536.8	12.80				Average	
		point25	25	6,043,308.5	2,192,740.5	13.60				Average	
		point8	8	6,043,317.5	2,194,328.5	14.40					
Brookhurst SB	45.0	point9	9	6,043,283.5	2,194,326.5	14.40				Average	
		point26	26	6,043,279.0	2,192,952.0	13.60				Average	
		point10	10	6,043,274.0	2,192,536.2	12.80				Average	
		point11	11	6,043,274.5	2,192,500.5	12.80				Average	
		point27	27	6,043,275.5	2,192,305.5	12.45				Average	
		point12	12	6,043,269.5	2,190,719.8	12.10					
Adams EB	40.0	point13	13	6,041,258.5	2,192,510.5	12.70				Average	
		point22	22	6,042,764.0	2,192,501.8	12.75				Average	
		point14	14	6,043,274.5	2,192,500.5	12.80				Average	
		point15	15	6,043,306.5	2,192,500.8	12.80				Average	
		point24	24	6,044,371.5	2,192,494.0	13.65				Average	
		point16	16	6,044,990.0	2,192,487.0	14.50					
Adams WB	40.0	point17	17	6,044,997.0	2,192,527.0	14.50				Average	
		point23	23	6,043,928.5	2,192,535.5	13.65				Average	
		point18	18	6,043,307.0	2,192,536.8	12.80				Average	
		point19	19	6,043,274.0	2,192,536.2	12.80				Average	
		point21	21	6,042,388.0	2,192,543.5	12.80				Average	
		point20	20	6,041,253.5	2,192,550.5	12.80					

RBF **30 April 2013**
Malisos **TNM 2.5**

INPUT: TRAFFIC FOR Lden
PROJECT/CONTRACT: **Brookhurst/Adams**
RUN: **Existing**

Roadway	Points																							
Name	**Name**	**No.**	**Segment**																					
			ADT	**Autos**				**MTrucks**				**HTrucks**				**Buses**				**Motorcycles**				
				%D	**%E**	**%N**	**S**	**%D**	**%E**	**%N**	**S**	**%D**	**%E**	**%N**	**S**	**%D**	**%E**	**%N**	**S**	**%D**	**%E**	**%N**	**S**
			veh/24hrs	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph
Brookhurst NB	point5	5	15170	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point28	28	15170	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point6	6	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point7	7	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point25	25	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point8	8																					
Brookhurst SB	point9	9	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point26	26	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point10	10	16130	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point11	11	15170	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point27	27	15170	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point12	12																					
Adams EB	point13	13	15280	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point22	22	15280	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point14	14	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point15	15	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point24	24	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point16	16																					
Adams WB	point17	17	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point23	23	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point18	18	16900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point19	19	15280	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point21	21	15280	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point20	20																					

RBF 30 April 2013
Malisos TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Existing

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing Lden	Impact Criteria Lden	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
1	1	1	6,042,187.5	2,192,642.5	10.50	4.92	0.00	66	10.0	8.0	Y
2	2	1	6,044,094.0	2,192,628.0	11.30	4.92	0.00	66	10.0	8.0	Y
3	3	1	6,044,422.5	2,192,627.8	11.30	4.92	0.00	66	10.0	8.0	Y
4	4	1	6,044,599.0	2,192,622.2	11.30	4.92	0.00	66	10.0	8.0	Y
5	5	1	6,042,186.5	2,192,442.5	11.80	4.92	0.00	66	10.0	8.0	Y
6	6	1	6,042,291.5	2,192,447.0	12.10	4.92	0.00	66	10.0	8.0	Y
7	7	1	6,042,314.0	2,192,378.0	12.10	4.92	0.00	66	10.0	8.0	Y
8	8	1	6,044,265.5	2,192,364.5	12.40	4.92	0.00	66	10.0	8.0	Y
9	9	1	6,044,271.0	2,192,425.8	12.40	4.92	0.00	66	10.0	8.0	Y
10	10	1	6,043,225.5	2,193,258.8	13.70	4.92	0.00	66	10.0	8.0	Y
11	11	1	6,043,230.0	2,193,107.8	13.70	4.92	0.00	66	10.0	8.0	Y

RBF 30 April 2013
Malisos TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Existing

Barrier Name	Type	Height Min	Height Max	If Wall $ per Unit Area	If Berm $ per Unit Vol.	Top Width	Run:Rise	Add'tnl $ per Unit Length	Points Name	No.	Coordinates (bottom) X	Y	Z	Height at Point	Segment Seg Ht Increment	Perturbs #Up	#Dn	On Struct?	Important Reflections?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Building1	W	0.00	99.99	0.00				0.00	point1	1	6,043,433.5	2,192,078.5	12.00	20.00	0.00	0	0		
									point2	2	6,043,624.0	2,192,078.5	12.00	20.00	0.00	0	0		
									point3	3	6,043,624.0	2,191,928.2	12.00	20.00	0.00	0	0		
									point4	4	6,043,422.5	2,191,928.2	12.00	20.00	0.00	0	0		
									point5	5	6,043,422.5	2,192,082.0	12.00	20.00					
Building2	W	0.00	99.99	0.00				0.00	point6	6	6,043,422.5	2,191,829.2	11.50	20.00	0.00	0	0		
									point7	7	6,043,620.5	2,191,829.2	11.50	20.00	0.00	0	0		
									point8	8	6,043,620.5	2,191,700.5	11.50	20.00	0.00	0	0		
									point9	9	6,043,419.0	2,191,700.8	11.50	20.00	0.00	0	0		
									point10	10	6,043,419.0	2,191,814.5	11.50	20.00					
Building3	W	0.00	99.99	0.00				0.00	point11	11	6,043,210.0	2,191,942.8	11.50	20.00	0.00	0	0		
									point12	12	6,043,206.0	2,191,825.5	11.50	20.00	0.00	0	0		
									point13	13	6,043,103.5	2,191,825.5	11.50	20.00	0.00	0	0		
									point14	14	6,043,103.5	2,191,935.5	11.50	20.00	0.00	0	0		
									point15	15	6,043,191.0	2,191,935.2	11.50	20.00					
Building4	W	0.00	99.99	0.00				0.00	point16	16	6,042,392.0	2,193,013.8	13.50	30.00	0.00	0	0		
									point17	17	6,042,392.0	2,192,793.5	13.50	30.00	0.00	0	0		
									point18	18	6,043,213.0	2,192,793.8	13.50	30.00	0.00	0	0		
									point19	19	6,043,213.5	2,193,002.8	13.50	30.00	0.00	0	0		
									point20	20	6,042,417.5	2,193,010.0	13.50	30.00					
Building5	W	0.00	99.99	0.00				0.00	point30	30	6,043,686.5	2,192,683.5	14.00	25.00	0.00	0	0		
									point31	31	6,043,686.5	2,192,595.5	14.00	25.00	0.00	0	0		
									point32	32	6,043,873.0	2,192,591.8	14.00	25.00	0.00	0	0		
									point33	33	6,043,873.5	2,192,698.2	14.00	25.00	0.00	0	0		
									point34	34	6,043,694.0	2,192,698.2	14.00	25.00					
Building6	W	0.00	99.99	0.00				0.00	point35	35	6,043,392.5	2,193,243.5	13.70	25.00	0.00	0	0		
									point36	36	6,043,392.5	2,193,044.5	13.70	25.00	0.00	0	0		
									point37	37	6,043,514.5	2,193,044.5	13.70	25.00	0.00	0	0		
									point38	38	6,043,514.5	2,193,243.5	13.70	25.00	0.00	0	0		
									point39	39	6,043,402.5	2,193,246.5	13.70	25.00					
Building7	W	0.00	99.99	0.00				0.00	point40	40	6,043,566.0	2,193,169.5	13.70	25.00	0.00	0	0		
									point41	41	6,043,566.0	2,193,051.0	13.70	25.00	0.00	0	0		
									point42	42	6,043,736.0	2,193,050.8	13.70	25.00	0.00	0	0		
									point43	43	6,043,736.0	2,193,176.0	13.70	25.00	0.00	0	0		
									point44	44	6,043,575.5	2,193,176.0	13.70	25.00					

Building8	W	0.00	99.99	0.00				0.00	point45	45	6,043,720.0	2,193,038.0	13.70	25.00	0.00	0	0		
									point46	46	6,043,720.0	2,192,746.0	13.70	25.00	0.00	0	0		
									point47	47	6,043,874.0	2,192,746.0	13.70	25.00	0.00	0	0		
									point48	48	6,043,873.5	2,193,038.2	13.70	25.00	0.00	0	0		
									point49	49	6,043,733.0	2,193,038.0	13.70	25.00					
Building9	W	0.00	99.99	0.00				0.00	point50	50	6,043,395.5	2,192,396.2	13.90	20.00	0.00	0	0		
									point51	51	6,043,396.0	2,192,280.8	13.90	20.00	0.00	0	0		
									point52	52	6,043,579.0	2,192,280.8	13.90	20.00	0.00	0	0		
									point53	53	6,043,579.0	2,192,422.0	13.90	20.00	0.00	0	0		
									point54	54	6,043,392.5	2,192,422.0	13.90	20.00					
HC Wall1	W	0.00	99.99	0.00				0.00	point55	55	6,041,483.5	2,192,685.0	10.50	5.00	0.00	0	0		
									point56	56	6,041,491.0	2,192,638.5	10.50	6.50	0.00	0	0		
									point57	57	6,041,530.0	2,192,627.0	10.50	6.50	0.00	0	0		
									point58	58	6,042,084.5	2,192,623.0	10.50	6.50	0.00	0	0		
									point59	59	6,042,103.5	2,192,627.0	10.50	6.50	0.00	0	0		
									point60	60	6,042,117.5	2,192,642.2	10.50	5.00	0.00	0	0		
									point61	61	6,042,120.0	2,192,665.8	10.50	5.00					
HC wall2	W	0.00	99.99	0.00				0.00	point62	62	6,042,144.5	2,192,662.0	10.50	5.00	0.00	0	0		
									point63	63	6,042,146.0	2,192,646.0	10.50	5.00	0.00	0	0		
									point64	64	6,042,160.5	2,192,627.5	10.50	6.50	0.00	0	0		
									point65	65	6,042,168.5	2,192,622.2	10.50	6.50	0.00	0	0		
									point66	66	6,042,247.5	2,192,622.2	10.50	6.50					
Building10	W	0.00	99.99	0.00				0.00	point67	67	6,042,269.0	2,192,730.5	11.00	20.00	0.00	0	0		
									point68	68	6,042,267.0	2,192,586.8	11.00	20.00	0.00	0	0		
									point69	69	6,042,384.5	2,192,588.2	11.00	20.00	0.00	0	0		
									point70	70	6,042,386.0	2,192,728.0	11.00	20.00	0.00	0	0		
									point71	71	6,042,279.0	2,192,729.2	11.00	20.00					
ResWall1	W	0.00	99.99	0.00				0.00	point72	72	6,041,502.5	2,192,435.0	11.60	7.00	0.00	0	0		
									point73	73	6,041,527.5	2,192,468.0	11.60	7.00	0.00	0	0		
									point74	74	6,042,332.0	2,192,460.2	11.60	7.00	0.00	0	0		
									point75	75	6,042,330.5	2,192,249.2	11.60	7.00					
Retail	W	0.00	99.99	0.00				0.00	point76	76	6,042,341.0	2,192,460.2	12.00	25.00	0.00	0	0		
									point77	77	6,042,341.0	2,192,293.8	12.00	25.00	0.00	0	0		
									point78	78	6,042,555.0	2,192,291.5	12.00	25.00	0.00	0	0		
									point79	79	6,042,554.5	2,192,452.2	12.00	25.00	0.00	0	0		
									point80	80	6,042,345.0	2,192,453.5	12.00	25.00					
Bank	W	0.00	99.99	0.00				0.00	point81	81	6,043,041.0	2,192,199.2	14.00	25.00	0.00	0	0		
									point82	82	6,043,040.0	2,192,083.2	14.00	25.00	0.00	0	0		
									point83	83	6,043,215.0	2,192,083.2	14.00	25.00	0.00	0	0		
									point84	84	6,043,216.5	2,192,201.8	14.00	25.00	0.00	0	0		
									point85	85	6,043,038.5	2,192,204.5	14.00	25.00					
ResWall2	W	0.00	99.99	0.00				0.00	point86	86	6,044,257.0	2,192,320.5	12.00	7.00	0.00	0	0		
									point87	87	6,044,257.0	2,192,456.2	12.00	7.00	0.00	0	0		
									point88	88	6,044,355.5	2,192,456.2	12.00	7.00	0.00	0	0		
									point89	89	6,044,369.0	2,192,448.5	12.00	4.00					
ResWall3	W	0.00	99.99	0.00				0.00	point91	91	6,044,436.0	2,192,439.2	12.00	4.00	0.00	0	0		
									point92	92	6,044,461.0	2,192,457.8	12.00	7.00	0.00	0	0		
									point93	93	6,045,031.0	2,192,453.8	12.00	7.00					
ResWall4	W	0.00	99.99	0.00				0.00	point94	94	6,044,967.5	2,192,593.5	11.00	7.00	0.00	0	0		

									point95	95	6,044,777.5	2,192,594.8	11.00	7.00	0.00	0	0			
									point96	96	6,044,767.0	2,192,614.5	11.00	7.00						
ResWall5	W	0.00	99.99	0.00				0.00	point97	97	6,043,419.5	2,193,909.0	12.30	7.00	0.00	0	0			
									point98	98	6,043,397.0	2,193,890.5	12.30	7.00	0.00	0	0			
									point99	99	6,043,401.0	2,193,721.8	12.30	7.00	0.00	0	0			
									point100	100	6,043,421.0	2,193,706.0	12.30	7.00						
ResWall6	W	0.00	99.99	0.00				0.00	point101	101	6,043,421.0	2,194,168.8	13.00	7.00	0.00	0	0			
									point102	102	6,043,399.5	2,194,151.5	13.00	7.00	0.00	0	0			
									point103	103	6,043,405.0	2,193,974.8	13.00	7.00	0.00	0	0			
									point104	104	6,043,423.5	2,193,967.0	13.00	7.00						
ResWall7	W	0.00	99.99	0.00				0.00	point106	106	6,043,032.0	2,194,184.5	14.50	7.00	0.00	0	0			
									point107	107	6,043,116.0	2,194,185.8	14.50	7.00	0.00	0	0			
									point108	108	6,043,157.0	2,194,174.0	14.50	7.00	0.00	0	0			
									point109	109	6,043,206.0	2,194,170.0	14.50	7.00	0.00	0	0			
									point110	110	6,043,227.0	2,194,164.8	14.50	7.00	0.00	0	0			
									point111	111	6,043,240.0	2,194,151.5	14.50	7.00	0.00	0	0			
									point112	112	6,043,239.0	2,193,832.5	14.50	7.00	0.00	0	0			
									point113	113	6,043,043.5	2,193,836.2	14.50	7.00						
ResWall8	W	0.00	99.99	0.00				0.00	point114	114	6,043,236.0	2,193,827.2	14.30	5.00	0.00	0	0			
									point115	115	6,043,239.0	2,193,487.0	14.30	5.00	0.00	0	0			
									point116	116	6,043,220.5	2,193,462.0	14.30	5.00	0.00	0	0			
									point117	117	6,043,189.0	2,193,462.0	14.30	5.00						
Barrier26	W	0.00	99.99	0.00				0.00	point118	118	6,043,202.0	2,193,405.5	13.70	5.00	0.00	0	0			
									point119	119	6,043,218.0	2,193,401.5	13.70	5.00	0.00	0	0			
									point120	120	6,043,235.0	2,193,387.0	13.70	5.00	0.00	0	0			
									point121	121	6,043,236.0	2,193,032.2	13.70	5.00	0.00	0	0			
									point122	122	6,042,960.5	2,193,035.0	13.70	5.00	0.00	0	0			
									point123	123	6,042,960.5	2,193,036.2	13.70	5.00						
Apt2	W	0.00	99.99	0.00				0.00	point124	124	6,043,399.5	2,193,525.2	11.60	25.00	0.00	0	0			
									point125	125	6,043,399.5	2,193,443.5	11.60	25.00	0.00	0	0			
									point126	126	6,043,708.5	2,193,442.2	11.60	25.00	0.00	0	0			
									point127	127	6,043,708.5	2,193,513.5	11.60	25.00	0.00	0	0			
									point128	128	6,043,404.0	2,193,513.2	11.60	25.00						
Apt1	W	0.00	99.99	0.00				0.00	point129	129	6,043,712.5	2,193,384.2	11.60	25.00	0.00	0	0			
									point130	130	6,043,409.5	2,193,384.2	11.60	25.00	0.00	0	0			
									point131	131	6,043,407.0	2,193,327.5	11.60	25.00	0.00	0	0			
									point132	132	6,043,718.0	2,193,327.5	11.60	25.00	0.00	0	0			
									point133	133	6,043,716.0	2,193,378.5	11.60	25.00						
ResWall9	W	0.00	99.99	0.00				0.00	point134	134	6,042,980.5	2,191,759.0	12.00	7.00	0.00	0	0			
									point135	135	6,043,228.0	2,191,754.0	12.00	7.00	0.00	0	0			
									point136	136	6,043,226.0	2,190,933.2	12.00	7.00	0.00	0	0			
									point137	137	6,043,201.5	2,190,900.2	12.00	7.00						
ResWall10	W	0.00	99.99	0.00				0.00	point138	138	6,043,407.5	2,191,361.8	12.00	7.00	0.00	0	0			
									point139	139	6,043,389.5	2,191,383.0	12.00	7.00	0.00	0	0			
									point140	140	6,043,391.0	2,191,581.0	12.00	7.00	0.00	0	0			
									point141	141	6,043,531.0	2,191,576.0	12.00	7.00						
ResWall11	W	0.00	99.99	0.00				0.00	point142	142	6,043,406.0	2,191,302.8	11.50	7.00	0.00	0	0			
									point143	143	6,043,386.0	2,191,288.0	11.50	7.00	0.00	0	0			
									point144	144	6,043,387.5	2,191,108.2	11.50	7.00	0.00	0	0			

									point145	145	6,043,407.5	2,191,085.2	11.50	7.00						

RBF **30 April 2013**
Malisos **TNM 2.5**

INPUT: BUILDING ROWS
PROJECT/CONTRACT: **Brookhurst/Adams**
RUN: **Existing**

Building Row			Points			
Name	Average	Building	No.	Coordinates (ground)		
	Height	Percent		X	Y	Z
	ft	%		ft	ft	ft
HunCon1	25.00	80	1	6,041,504.5	2,192,669.0	10.50
			2	6,042,227.0	2,192,669.0	10.50
Res1	15.00	80	3	6,041,515.5	2,192,437.8	11.00
			4	6,042,315.0	2,192,426.8	11.00
HunBay1	20.00	80	5	6,044,664.5	2,192,782.2	11.30
			7	6,044,666.0	2,192,632.0	11.30
			8	6,044,130.0	2,192,635.8	11.30
			9	6,043,954.0	2,192,635.8	11.30
Res2	15.00	80	10	6,043,092.5	2,192,423.2	11.00
			12	6,043,198.5	2,192,313.2	11.00
Commercial	25.00	80	13	6,043,960.0	2,192,433.0	12.40
			14	6,044,220.5	2,192,433.0	12.40
			15	6,044,214.5	2,191,660.5	12.40
			16	6,043,943.0	2,191,660.5	12.40
			17	6,043,943.0	2,192,426.2	12.40
Res3	15.00	80	19	6,044,361.5	2,192,441.5	12.40
			20	6,044,290.5	2,192,441.2	12.40
			21	6,044,289.0	2,192,204.8	12.40
Res5	15.00	80	22	6,044,464.0	2,192,288.2	12.40
			23	6,044,464.0	2,192,433.0	12.40
			24	6,044,882.0	2,192,431.2	12.40
Res6	15.00	80	25	6,044,830.5	2,192,606.8	11.00
			26	6,044,830.5	2,192,777.0	11.00
Res7	25.00	80	27	6,043,190.0	2,193,376.0	13.70

			28	6,043,190.0	2,193,056.0	13.70
Res8	25.00	80	29	6,043,188.0	2,193,806.5	14.30
			30	6,043,186.0	2,193,683.0	14.30
			31	6,043,085.0	2,193,685.0	14.30
			32	6,043,085.0	2,193,505.2	14.30
Res9	15.00	80	33	6,043,034.5	2,194,171.8	14.50
			34	6,043,205.0	2,194,147.5	14.50
			35	6,043,207.0	2,193,866.8	14.50
			36	6,043,021.5	2,193,868.5	14.50
Res10	15.00	80	37	6,043,418.5	2,194,104.5	12.90
			38	6,043,645.0	2,194,102.5	12.90
Res11	15.00	80	39	6,043,416.5	2,193,986.5	13.20
			40	6,043,414.5	2,194,042.5	13.20
			41	6,043,620.5	2,194,042.5	13.20
Res12	15.00	80	42	6,043,418.5	2,193,896.5	12.90
			43	6,043,418.5	2,193,846.0	12.90
			44	6,043,549.5	2,193,844.2	12.90
Res13	15.00	80	46	6,043,411.0	2,193,730.0	12.30
			47	6,043,411.0	2,193,780.5	12.30
			48	6,043,549.5	2,193,780.5	12.30
Res14	15.00	80	49	6,043,411.0	2,193,636.5	12.20
			50	6,043,411.0	2,193,576.5	12.20
			51	6,043,532.5	2,193,576.5	12.20
Retail	25.00	80	62	6,042,352.0	2,192,229.2	14.00
			63	6,042,349.5	2,191,790.2	14.00
			64	6,042,717.0	2,191,787.2	14.00
			65	6,042,723.0	2,192,220.2	14.00
			66	6,042,361.0	2,192,229.2	14.00

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INPUT: ROADWAYS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Future No Build

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Brookhurst NB	45.0	point5	5	6,043,297.5	2,190,722.8	12.10				Average	
		point28	28	6,043,306.0	2,191,930.0	12.45				Average	
		point6	6	6,043,306.5	2,192,500.8	12.80				Average	
		point7	7	6,043,307.0	2,192,536.8	12.80				Average	
		point25	25	6,043,308.5	2,192,740.5	13.60				Average	
		point8	8	6,043,317.5	2,194,328.5	14.40					
Brookhurst SB	45.0	point9	9	6,043,283.5	2,194,326.5	14.40				Average	
		point26	26	6,043,279.0	2,192,952.0	13.60				Average	
		point10	10	6,043,274.0	2,192,536.2	12.80				Average	
		point11	11	6,043,274.5	2,192,500.5	12.80				Average	
		point27	27	6,043,275.5	2,192,305.5	12.45				Average	
		point12	12	6,043,269.5	2,190,719.8	12.10					
Adams EB	40.0	point13	13	6,041,258.5	2,192,510.5	12.70				Average	
		point22	22	6,042,764.0	2,192,501.8	12.75				Average	
		point14	14	6,043,274.5	2,192,500.5	12.80				Average	
		point15	15	6,043,306.5	2,192,500.8	12.80				Average	
		point24	24	6,044,371.5	2,192,494.0	13.65				Average	
		point16	16	6,044,990.0	2,192,487.0	14.50					
Adams WB	40.0	point17	17	6,044,997.0	2,192,527.0	14.50				Average	
		point23	23	6,043,928.5	2,192,535.5	13.65				Average	
		point18	18	6,043,307.0	2,192,536.8	12.80				Average	
		point19	19	6,043,274.0	2,192,536.2	12.80				Average	
		point21	21	6,042,388.0	2,192,543.5	12.80				Average	
		point20	20	6,041,253.5	2,192,550.5	12.80					

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Malisos **TNM 2.5**

INPUT: TRAFFIC FOR Lden
PROJECT/CONTRACT: **Brookhurst/Adams**
RUN: **Future No Build**

Roadway	Points																						
Name	Name	No.	Segment																				
			ADT	Autos				MTrucks				HTrucks				Buses				Motorcycles			
				%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S
			veh/24hrs	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph
Brookhurst NB	point5	5	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point28	28	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point6	6	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point7	7	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point25	25	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point8	8																					
Brookhurst SB	point9	9	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point26	26	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point10	10	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point11	11	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point27	27	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point12	12																					
Adams EB	point13	13	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point22	22	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point14	14	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point15	15	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point24	24	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point16	16																					
Adams WB	point17	17	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point23	23	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point18	18	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point19	19	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point21	21	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point20	20																					

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INPUT: ROADWAYS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Future Build

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Brookhurst NB	45.0	point5	5	6,043,297.5	2,190,722.8	12.10				Average	
		point28	28	6,043,306.0	2,191,930.0	12.45					
Brookhurst SB	45.0	point9	9	6,043,283.5	2,194,326.5	14.40				Average	
		point26	26	6,043,279.0	2,192,952.0	13.60					
Adams EB	40.0	point13	13	6,041,258.5	2,192,510.5	12.70				Average	
		point22	22	6,042,764.0	2,192,501.8	12.75					
Adams WB	40.0	point17	17	6,044,997.0	2,192,527.0	14.50				Average	
		point23	23	6,043,928.5	2,192,535.5	13.65					
Adams WB-3	40.0	point29	29	6,042,388.0	2,192,543.5	12.80				Average	
		point20	20	6,041,253.5	2,192,550.5	12.80					
Adams WB-2	50.0	point31	31	6,043,928.5	2,192,535.5	13.65				Average	
		point18	18	6,043,307.0	2,192,536.8	12.80				Average	
		point19	19	6,043,274.0	2,192,536.2	12.80				Average	
		point21	21	6,042,388.0	2,192,543.5	12.80					
Adams EB-2	50.0	point33	33	6,042,764.0	2,192,501.8	12.75				Average	
		point14	14	6,043,274.5	2,192,500.5	12.80				Average	
		point15	15	6,043,306.5	2,192,500.8	12.80				Average	
		point24	24	6,044,371.5	2,192,494.0	13.65					
Adams EB-3	40.0	point34	34	6,044,371.5	2,192,494.0	13.65				Average	
		point16	16	6,044,990.0	2,192,487.0	14.50					
Brookhurst NB-3	45.0	point35	35	6,043,308.5	2,192,740.5	13.60				Average	
		point8	8	6,043,317.5	2,194,328.5	14.40					
Brookhurst NB-2	55.0	point36	36	6,043,306.0	2,191,930.0	12.45				Average	
		point6	6	6,043,306.5	2,192,500.8	12.80				Average	
		point7	7	6,043,307.0	2,192,536.8	12.80				Average	

		point25	25	6,043,308.5	2,192,740.5	13.60					
Brookhurst SB-3	45.0	point37	37	6,043,275.5	2,192,305.5	12.45				Average	
		point12	12	6,043,269.5	2,190,719.8	12.10					
Brookhurst SB-2	55.0	point38	38	6,043,279.0	2,192,952.0	13.60				Average	
		point10	10	6,043,274.0	2,192,536.2	12.80				Average	
		point11	11	6,043,274.5	2,192,500.5	12.80				Average	
		point27	27	6,043,275.5	2,192,305.5	12.45					

RBF **30 April 2013**
Malisos **TNM 2.5**

INPUT: TRAFFIC FOR Lden
PROJECT/CONTRACT: **Brookhurst/Adams**
RUN: **Future Build**

Roadway	Points																						
Name	Name	No.	Segment																				
			ADT	Autos				MTrucks				HTrucks				Buses				Motorcycles			
				%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S	%D	%E	%N	S
			veh/24hrs	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph	%	%	%	mph
Brookhurst NB	point5	5	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point28	28																					
Brookhurst SB	point9	9	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point26	26																					
Adams EB	point13	13	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point22	22																					
Adams WB	point17	17	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point23	23																					
Adams WB-3	point29	29	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point20	20																					
Adams WB-2	point31	31	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point18	18	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point19	19	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point21	21																					
Adams EB-2	point33	33	22350	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point14	14	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point15	15	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point24	24																					
Adams EB-3	point34	34	25900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point16	16																					
Brookhurst NB-3	point35	35	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point8	8																					
Brookhurst NB-2	point36	36	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point6	6	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point7	7	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point25	25																					
Brookhurst SB-3	point37	37	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point12	12																					
Brookhurst SB-2	point38	38	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point10	10	19950	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0

	point11	11	18900	90	90	90	45	8	8	8	45	2	2	2	45	0	0	0	0	0	0	0	0
	point27	27																					

RBF
Malisos

23-Apr-13
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Existing
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver														
Name	No.	#DUs	Existing Lden	No Barrier					With Barrier					
				Lden		Increase over existing		Type	Calculated	Noise Reduction				
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc	Impact	Lden	Calculated	Goal	Calculated minus Goal		
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	K-Factor	Lden
1	1	1	0	64.4	66	64.4	10	----	64.4	0	8	-8	0	64.4
2	2	1	0	72.6	66	72.6	10	Snd Lvl	72.6	0	8	-8	3	69.6
3	3	1	0	72.5	66	72.5	10	Snd Lvl	72.5	0	8	-8	3	69.5
4	4	1	0	72.6	66	72.6	10	Snd Lvl	72.6	0	8	-8	3	69.6
5	5	1	0	66.4	66	66.4	10	Snd Lvl	66.4	0	8	-8	0	66.4
6	6	1	0	66.6	66	66.6	10	Snd Lvl	66.6	0	8	-8	0	66.6
7	7	1	0	60.1	66	60.1	10	----	60.1	0	8	-8	0	60.1
8	8	1	0	62.1	66	62.1	10	----	62.1	0	8	-8	0	62.1
9	9	1	0	66.2	66	66.2	10	Snd Lvl	66.2	0	8	-8	0	66.2
10	10	1	0	69.9	66	69.9	10	Snd Lvl	69.9	0	8	-8	0	69.9
11	11	1	0	70.5	66	70.5	10	Snd Lvl	70.5	0	8	-8	0	70.5

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	11	0	0	0
All Impacted	9	0	0	0
All that meet NR Goal	0	0	0	0

RBF
Malisos

23-Apr-13
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Future No Build
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver														
Name	No.	#DUs	Existing Lden	No Barrier					With Barrier					
				Lden		Increase over existing		Type	Calculated	Noise Reduction				
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc	Impact	Lden	Calculated	Goal	Calculated minus Goal		
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	K-Factor	Lden
1	1	1	0	66.0	66	66.0	10	Snd Lvl	66.0	0	8	-8	0	66.0
2	2	1	0	74.5	66	74.5	10	Snd Lvl	74.5	0	8	-8	3	71.5
3	3	1	0	74.4	66	74.4	10	Snd Lvl	74.4	0	8	-8	3	71.4
4	4	1	0	74.5	66	74.5	10	Snd Lvl	74.5	0	8	-8	3	71.5
5	5	1	0	68.0	66	68.0	10	Snd Lvl	68.0	0	8	-8	0	68.0
6	6	1	0	68.3	66	68.3	10	Snd Lvl	68.3	0	8	-8	0	68.3
7	7	1	0	61.7	66	61.7	10	----	61.7	0	8	-8	0	61.7
8	8	1	0	64.0	66	64.0	10	----	64.0	0	8	-8	0	64.0
9	9	1	0	68.0	66	68.0	10	Snd Lvl	68.0	0	8	-8	0	68.0
10	10	1	0	70.8	66	70.8	10	Snd Lvl	70.8	0	8	-8	0	70.8
11	11	1	0	71.4	66	71.4	10	Snd Lvl	71.4	0	8	-8	0	71.4

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	11	0	0	0
All Impacted	9	0	0	0
All that meet NR Goal	0	0	0	0

RBF
Malisos

23-Apr-13
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: Brookhurst/Adams
RUN: Future Build
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver														
Name	No.	#DUs	Existing Lden	No Barrier					With Barrier					
				Lden		Increase over existing		Type	Calculated	Noise Reduction				
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc	Impact	Lden	Calculated	Goal	Calculated minus Goal		
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB	K-Factor	Lden
1	1	1	0	66.0	66	66.0	10	Snd Lvl	66.0	0	8	-8	0	66.0
2	2	1	0	74.5	66	74.5	10	Snd Lvl	74.5	0	8	-8	3	71.5
3	3	1	0	74.4	66	74.4	10	Snd Lvl	74.4	0	8	-8	3	71.4
4	4	1	0	74.5	66	74.5	10	Snd Lvl	74.5	0	8	-8	3	71.5
5	5	1	0	68.0	66	68.0	10	Snd Lvl	68.0	0	8	-8	0	68.0
6	6	1	0	68.3	66	68.3	10	Snd Lvl	68.3	0	8	-8	0	68.3
7	7	1	0	61.7	66	61.7	10	----	61.7	0	8	-8	0	61.7
8	8	1	0	64.0	66	64.0	10	----	64.0	0	8	-8	0	64.0
9	9	1	0	68.1	66	68.1	10	Snd Lvl	68.1	0	8	-8	0	68.1
10	10	1	0	70.8	66	70.8	10	Snd Lvl	70.8	0	8	-8	0	70.8
11	11	1	0	71.4	66	71.4	10	Snd Lvl	71.4	0	8	-8	0	71.4

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	11	0	0	0
All Impacted	9	0	0	0
All that meet NR Goal	0	0	0	0