

APPENDIX C
Noise Data

Site Number: 1			
Recorded By: Jessica Ditto			
Job Number: 153317			
Date: May 4, 2016			
Time: 1:28 p.m.			
Location: Approximately 100 feet south of East 5 th Street on Long Beach Bikeway Route 10.			
Source of Peak Noise: Traffic on Studebaker Road, people talking, and dogs barking.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
58.0	51.0	84.3	82.7

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	2548189	1/4/2016	
	Microphone	Brüel & Kjær	4189	2543364	1/4/2016	
	Preamp	Brüel & Kjær	ZC 0032	4265	1/4/2016	
	Calibrator	Brüel & Kjær	4231	2545667	1/4/2016	
Weather Data						
Est.	Duration: 10 minutes			Sky: ☀ Sunny		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	< 5 mph		68		29.96	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.4
Start Time:		05/04/2016 13:27:37
End Time:		05/04/2016 13:37:37
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		138.73

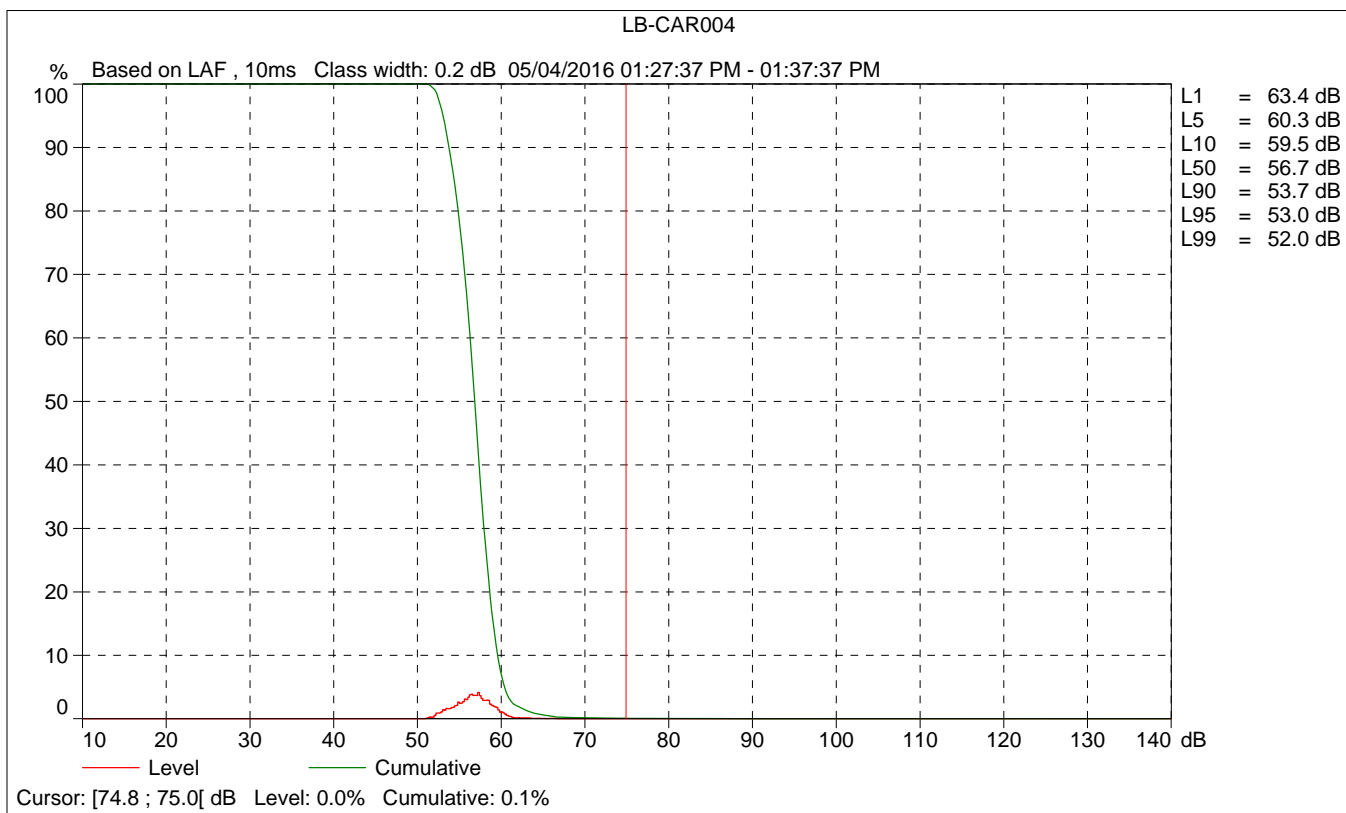
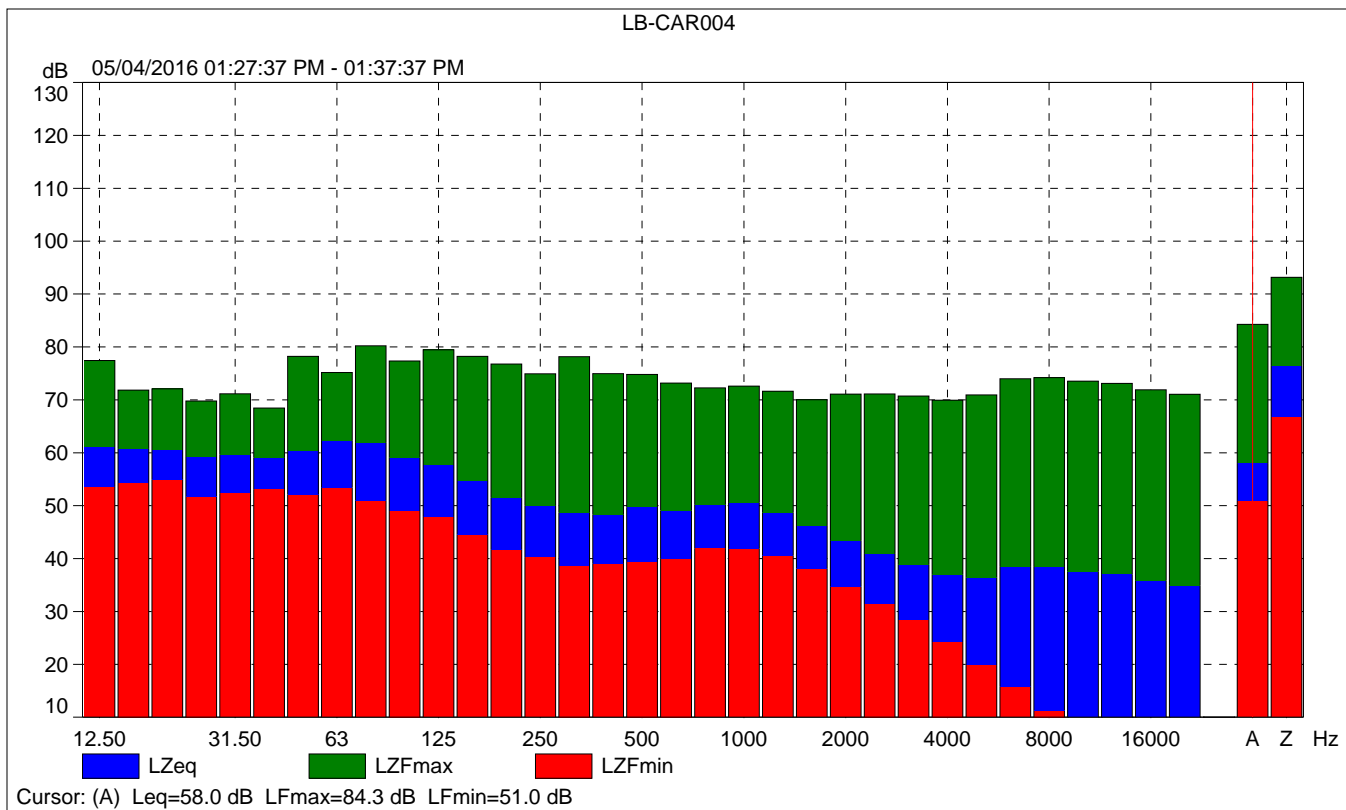
	Time	Frequency
Broadband (excl. Peak):	FSI	AZ
Broadband Peak:		C
Spectrum:	FS	Z

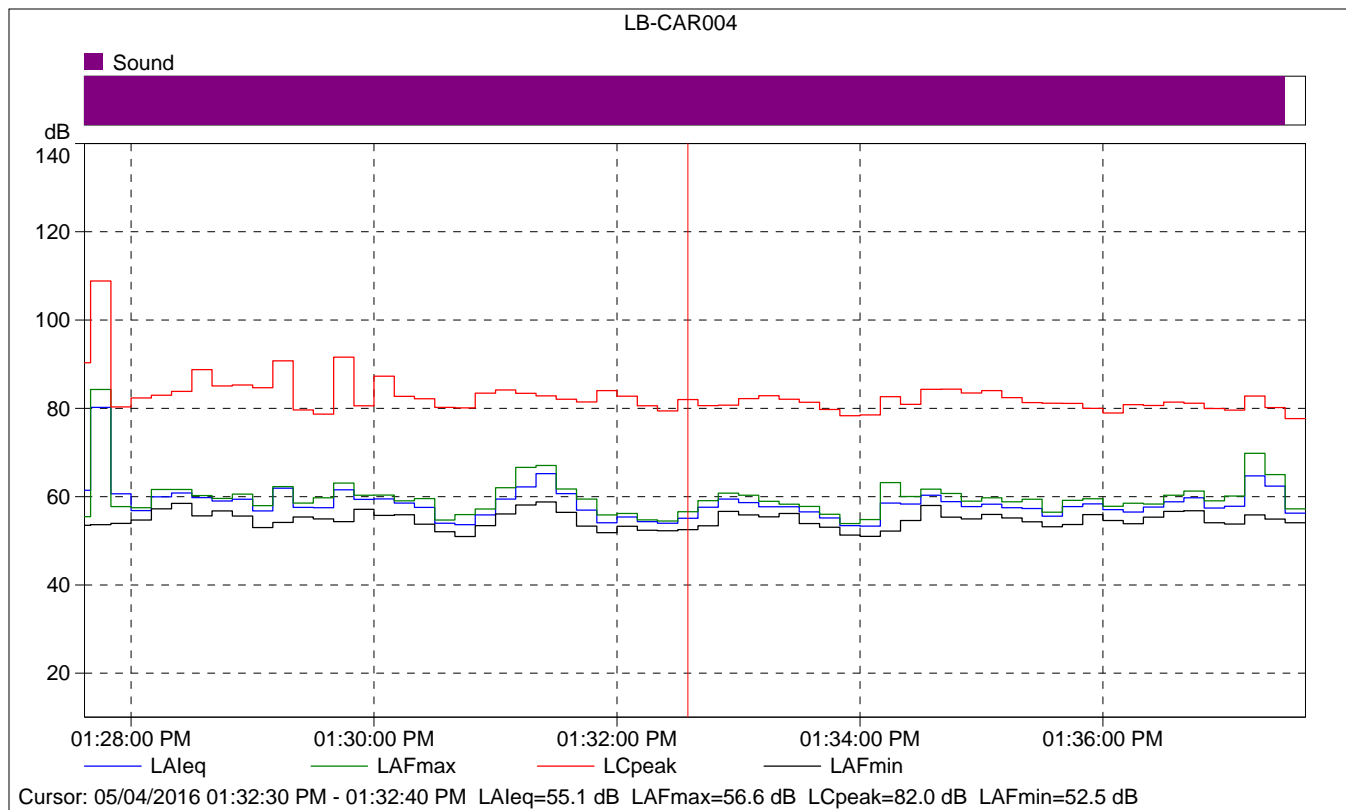
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		None
Sound Field Correction:		Free-field

Calibration Time:		05/04/2016 08:36:37
Calibration Type:		External reference
Sensitivity:		64.5433738827705 mV/Pa

LB-CAR004

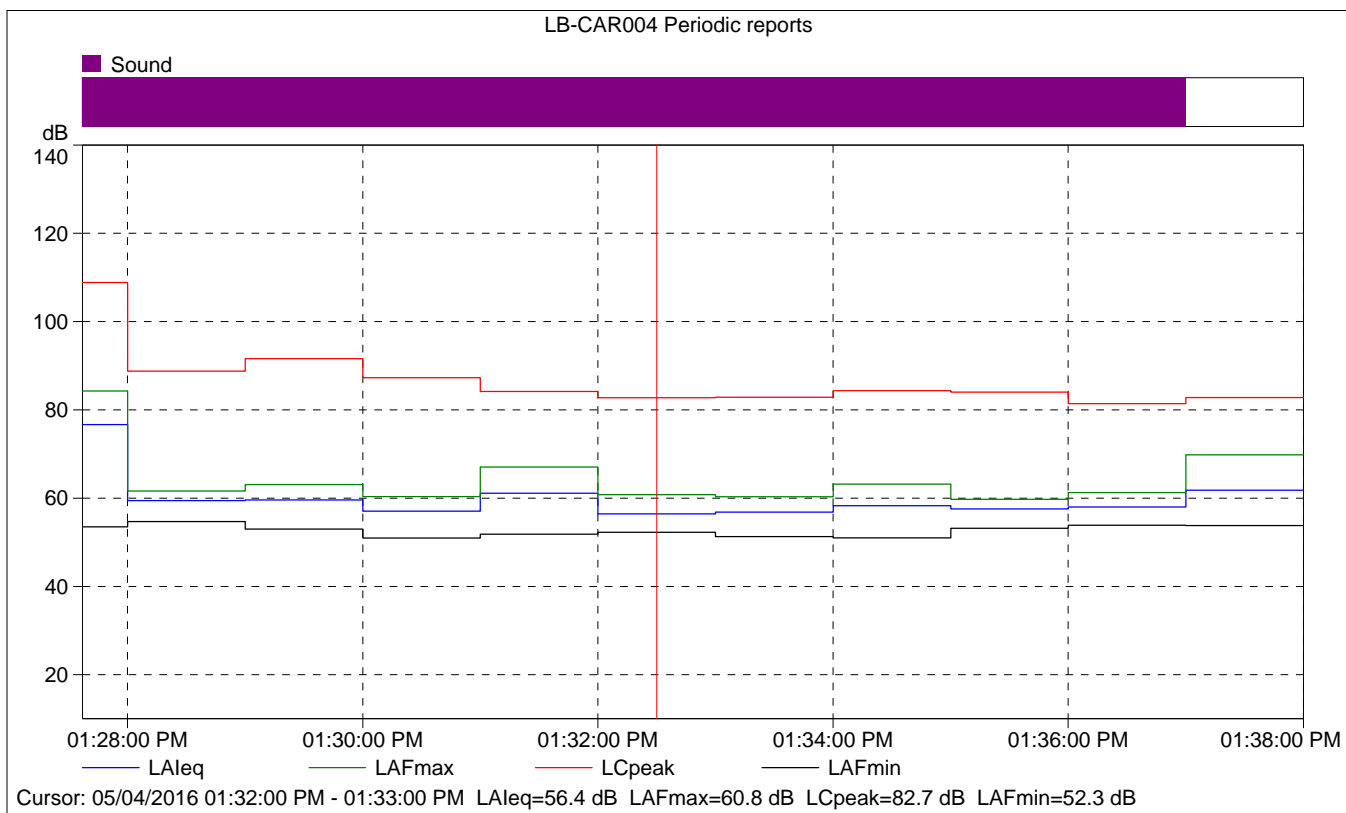
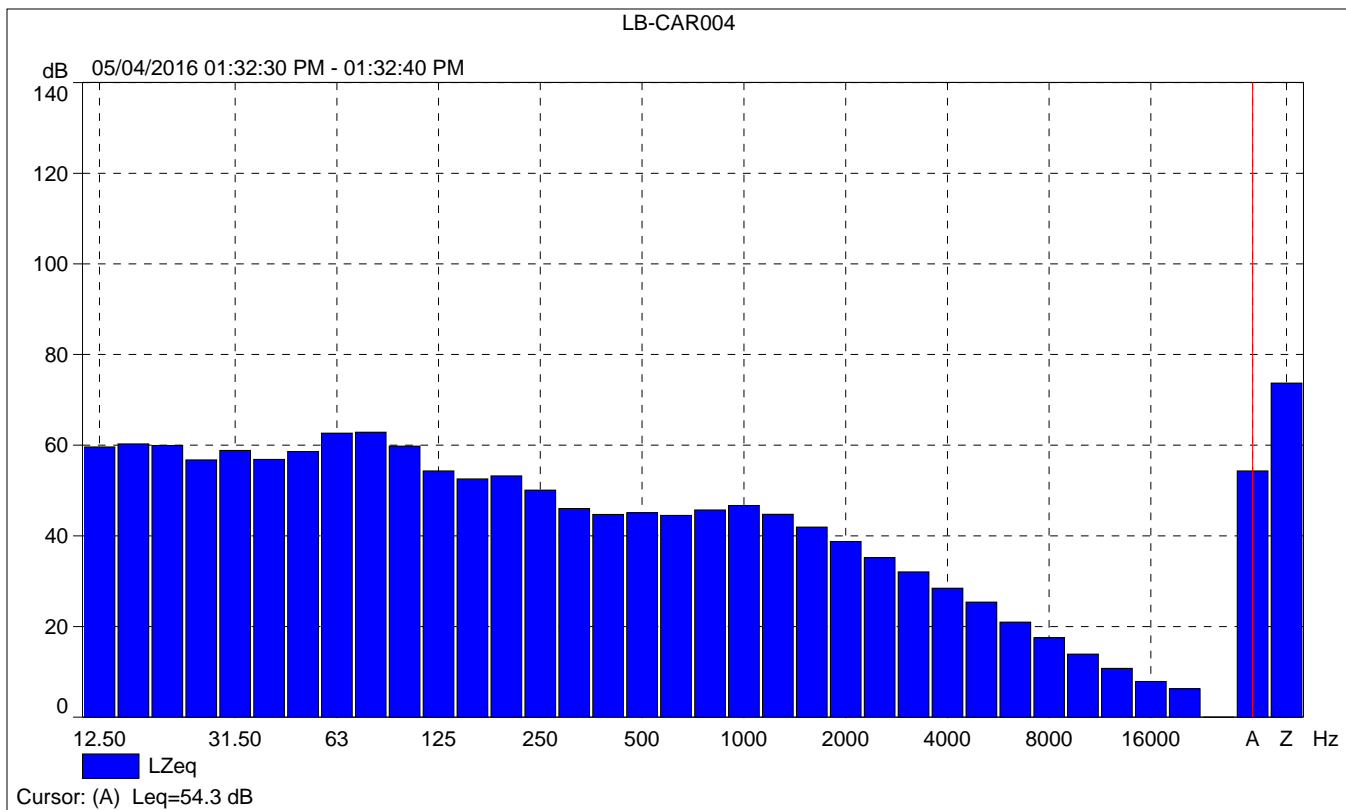
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	58.0	84.3	51.0
Time	01:27:37 PM	01:37:37 PM	0:10:00				
Date	05/04/2016	05/04/2016					





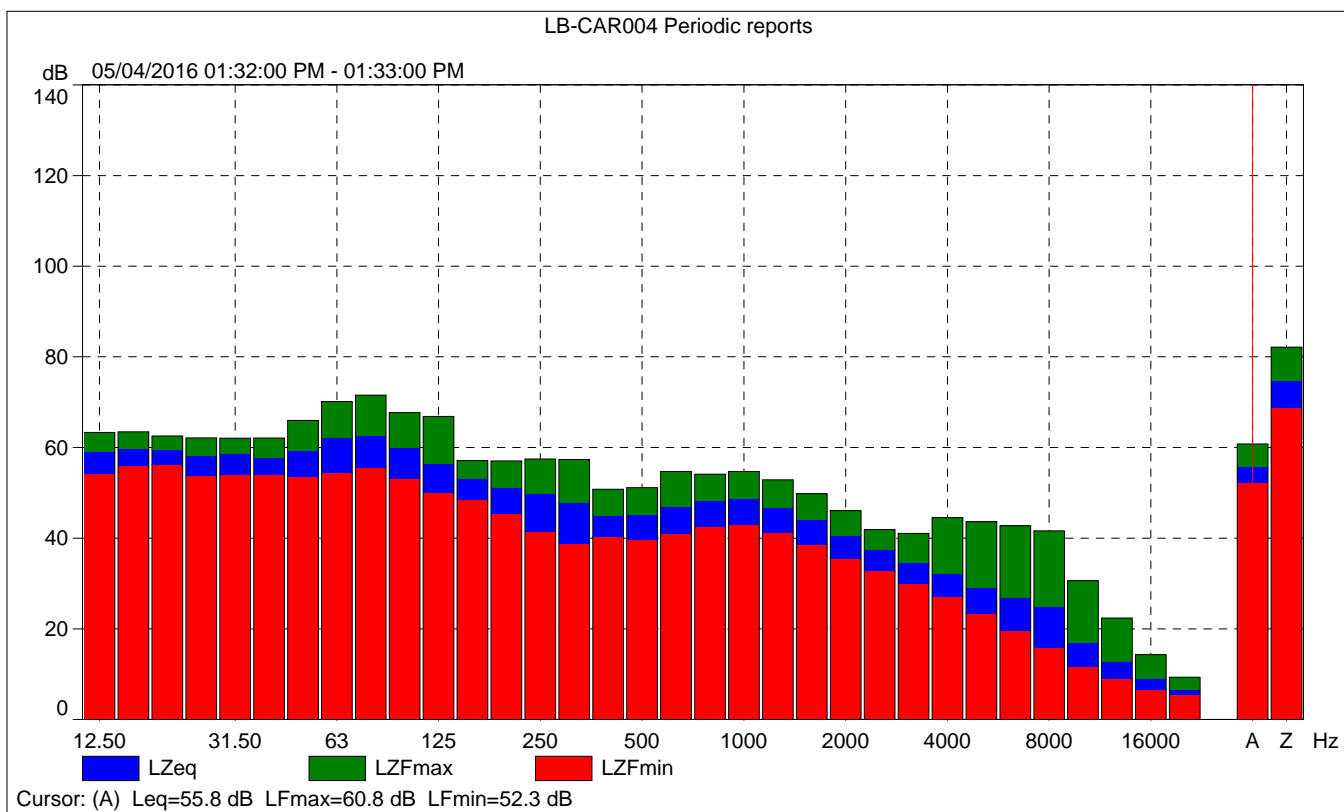
LB-CAR004

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			55.1	56.6	52.5
Time	01:32:30 PM	0:00:10			
Date	05/04/2016				



LB-CAR004 Periodic reports

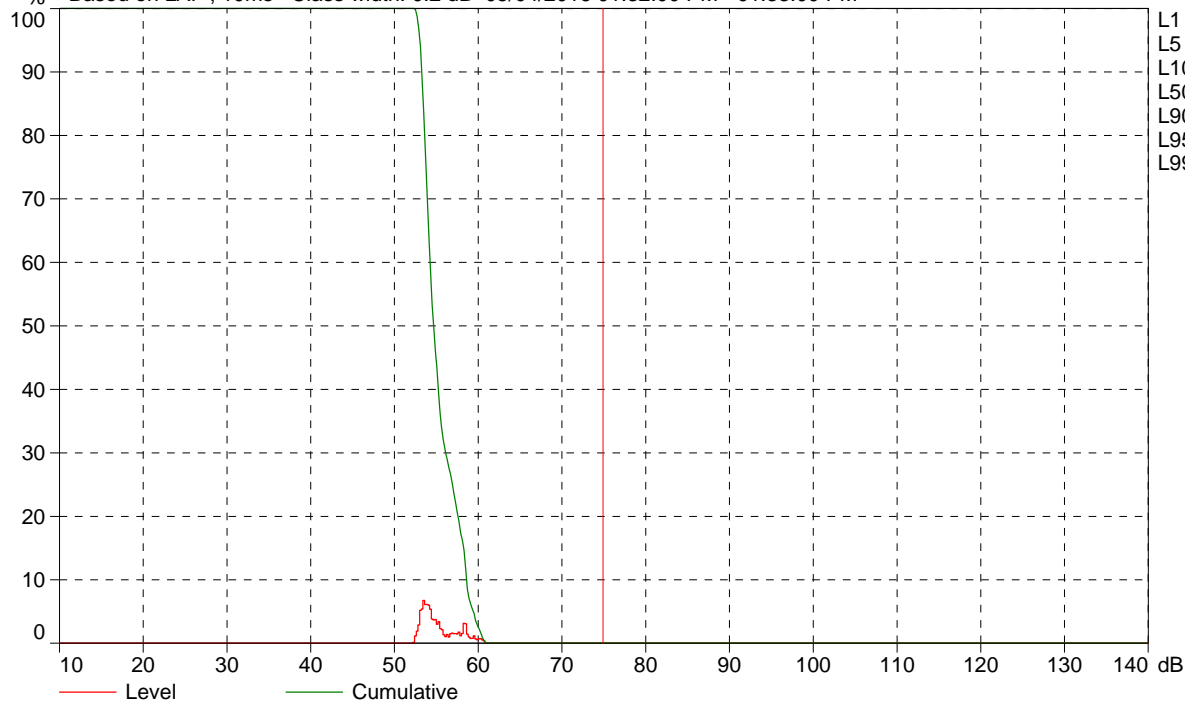
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	56.4	60.8	52.3
Time	01:32:00 PM	0:01:00				
Date	05/04/2016					





LB-CAR004 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/04/2016 01:32:00 PM - 01:33:00 PM



Cursor: [74.8 ; 75.0] dB Level: 0.0% Cumulative: 0.0%

Site Number: 2			
Recorded By: Jessica Ditto			
Job Number: 153317			
Date: May 4, 2016			
Time: 1:42 p.m.			
Location: Approximately 800 feet south of East 5 th Street on Long Beach Bikeway Route 10.			
Source of Peak Noise: Traffic on Studebaker Road and people talking.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
59.6	50.7	88.2	85.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	2548189	1/4/2016	
	Microphone	Brüel & Kjær	4189	2543364	1/4/2016	
	Preamp	Brüel & Kjær	ZC 0032	4265	1/4/2016	
	Calibrator	Brüel & Kjær	4231	2545667	1/4/2016	
Weather Data						
Est.	Duration: 10 minutes			Sky: ☀ Sunny		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	< 5 mph		68		29.96	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.4
Start Time:		05/04/2016 13:42:17
End Time:		05/04/2016 13:52:17
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		138.73

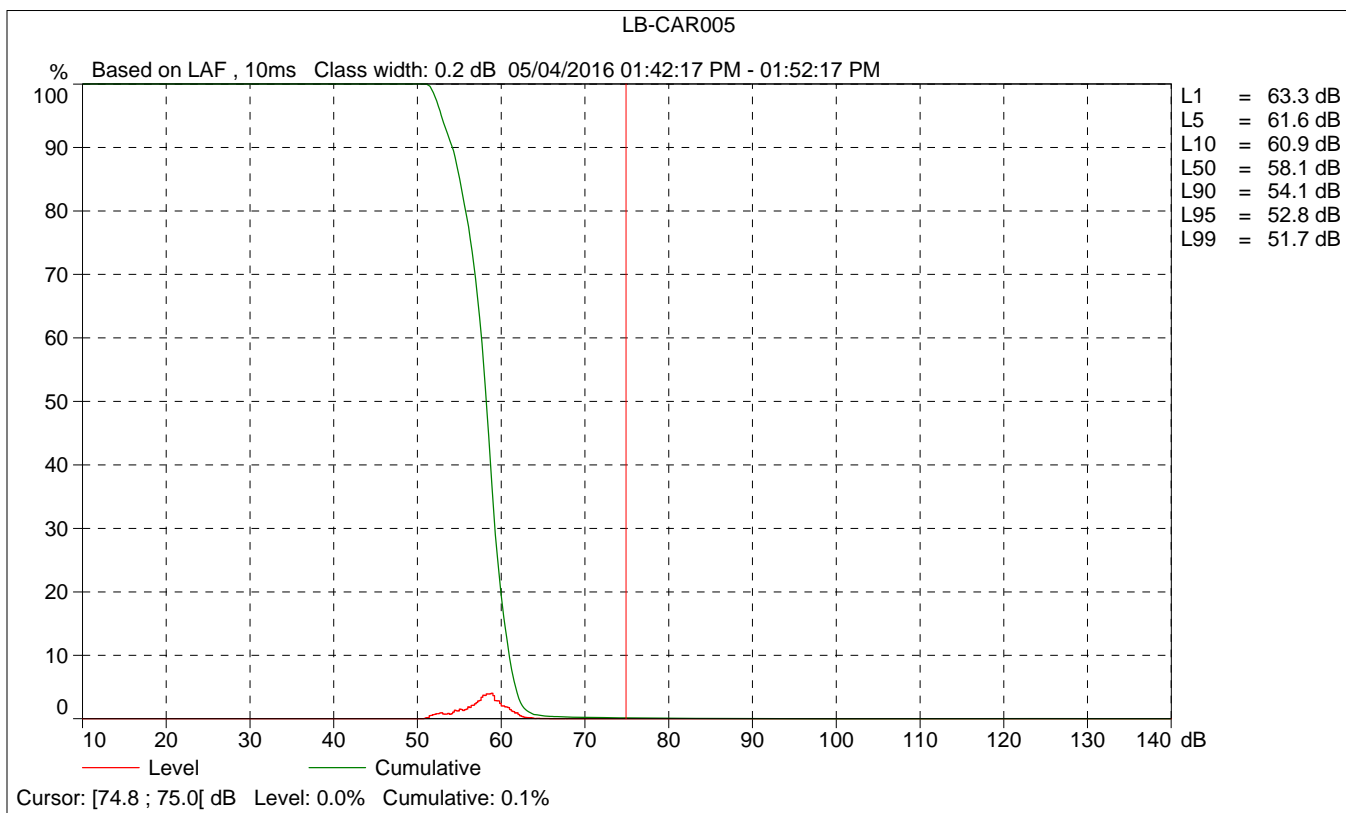
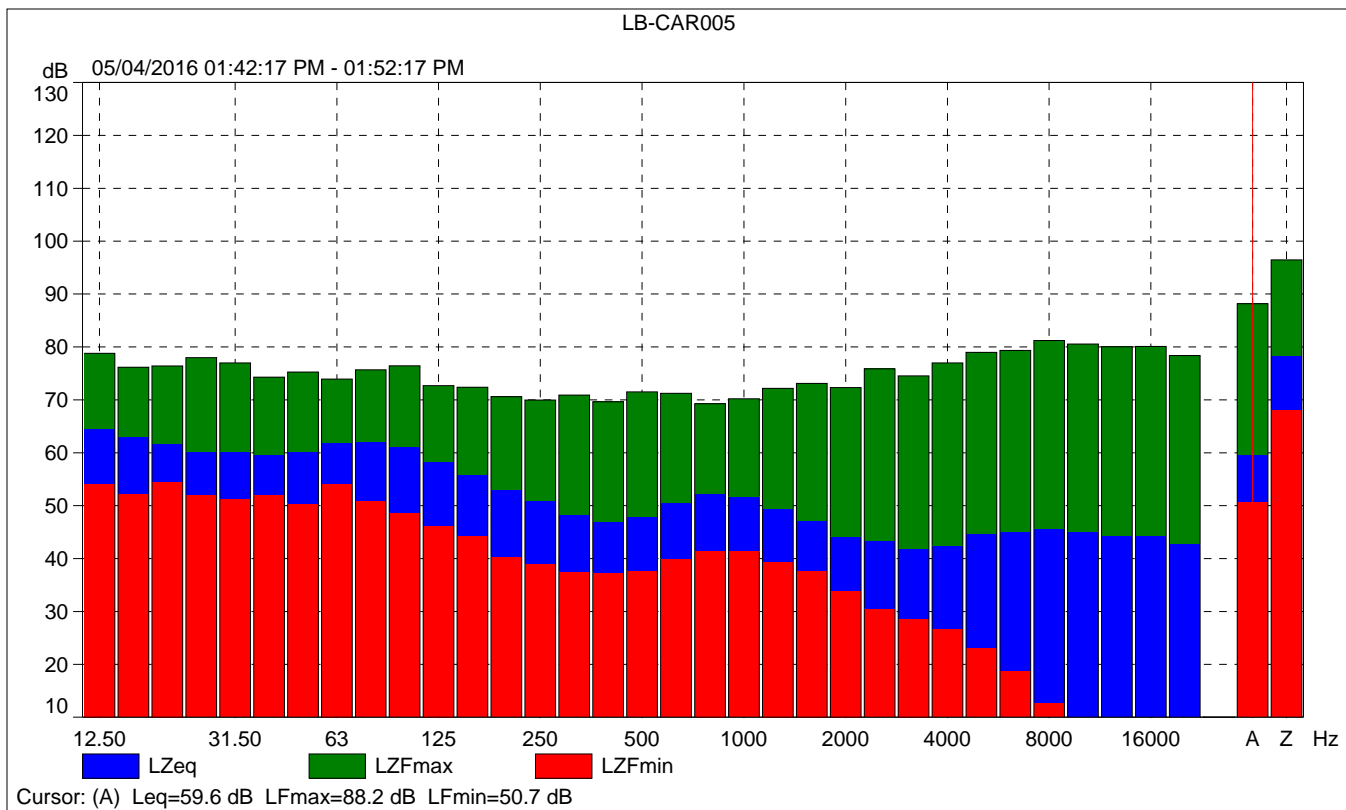
	Time	Frequency
Broadband (excl. Peak):	FSI	AZ
Broadband Peak:		C
Spectrum:	FS	Z

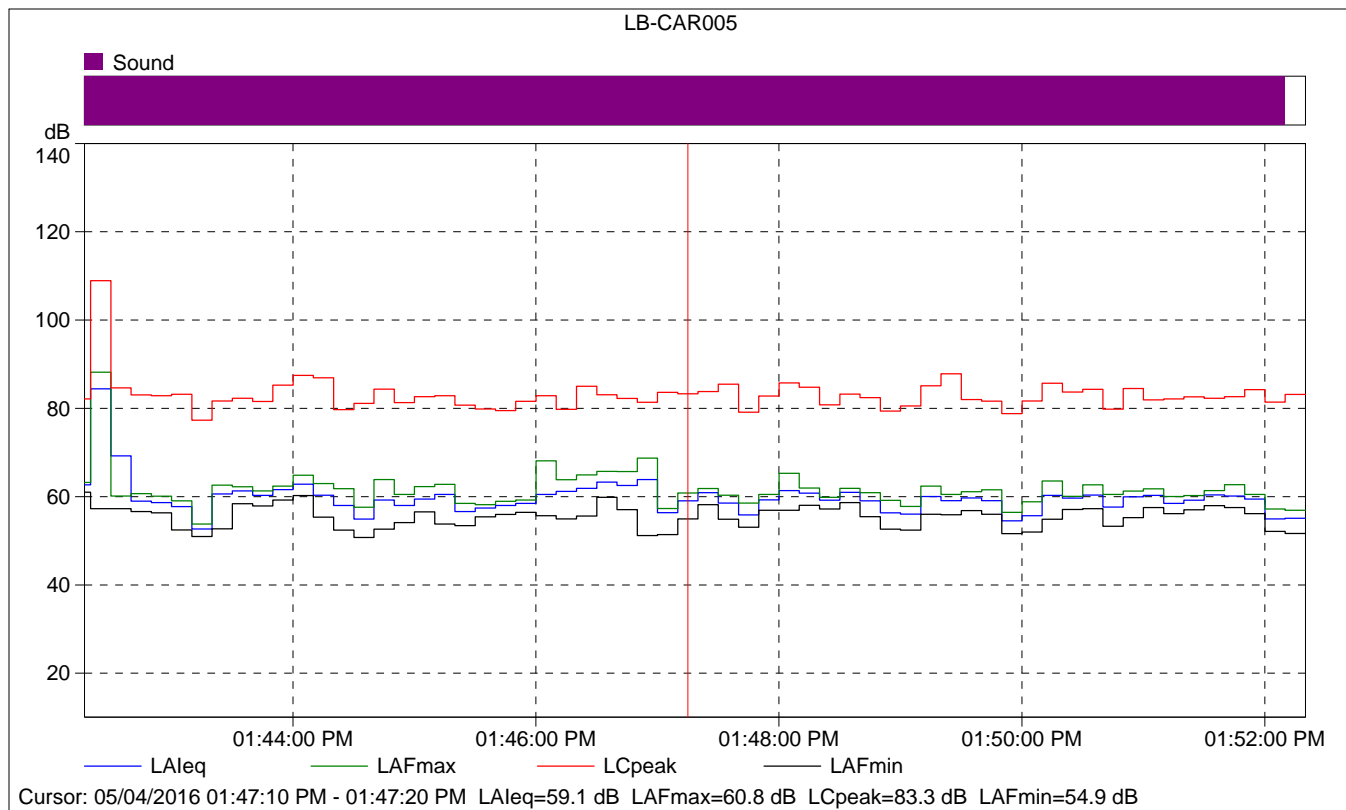
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		None
Sound Field Correction:		Free-field

Calibration Time:		05/04/2016 08:36:37
Calibration Type:		External reference
Sensitivity:		64.5433738827705 mV/Pa

LB-CAR005

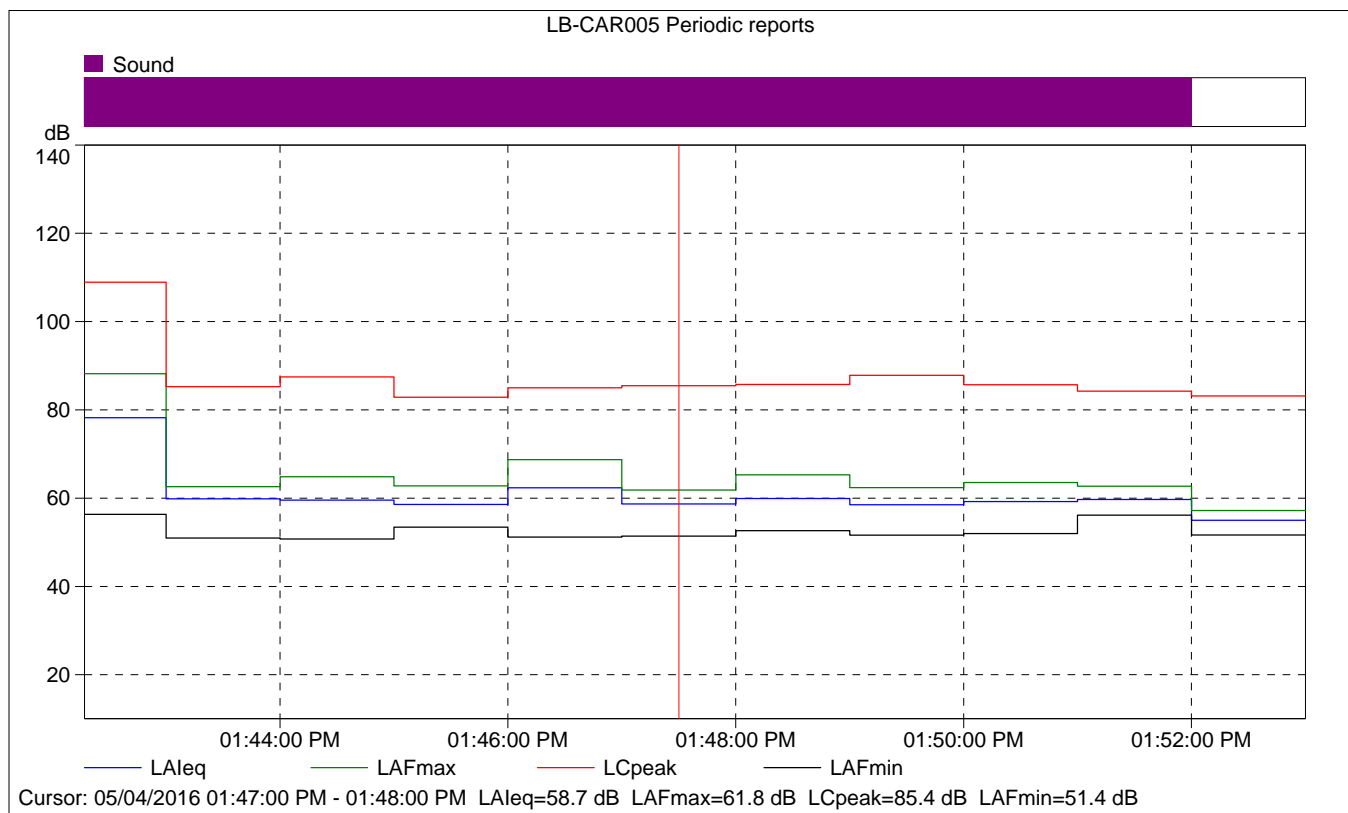
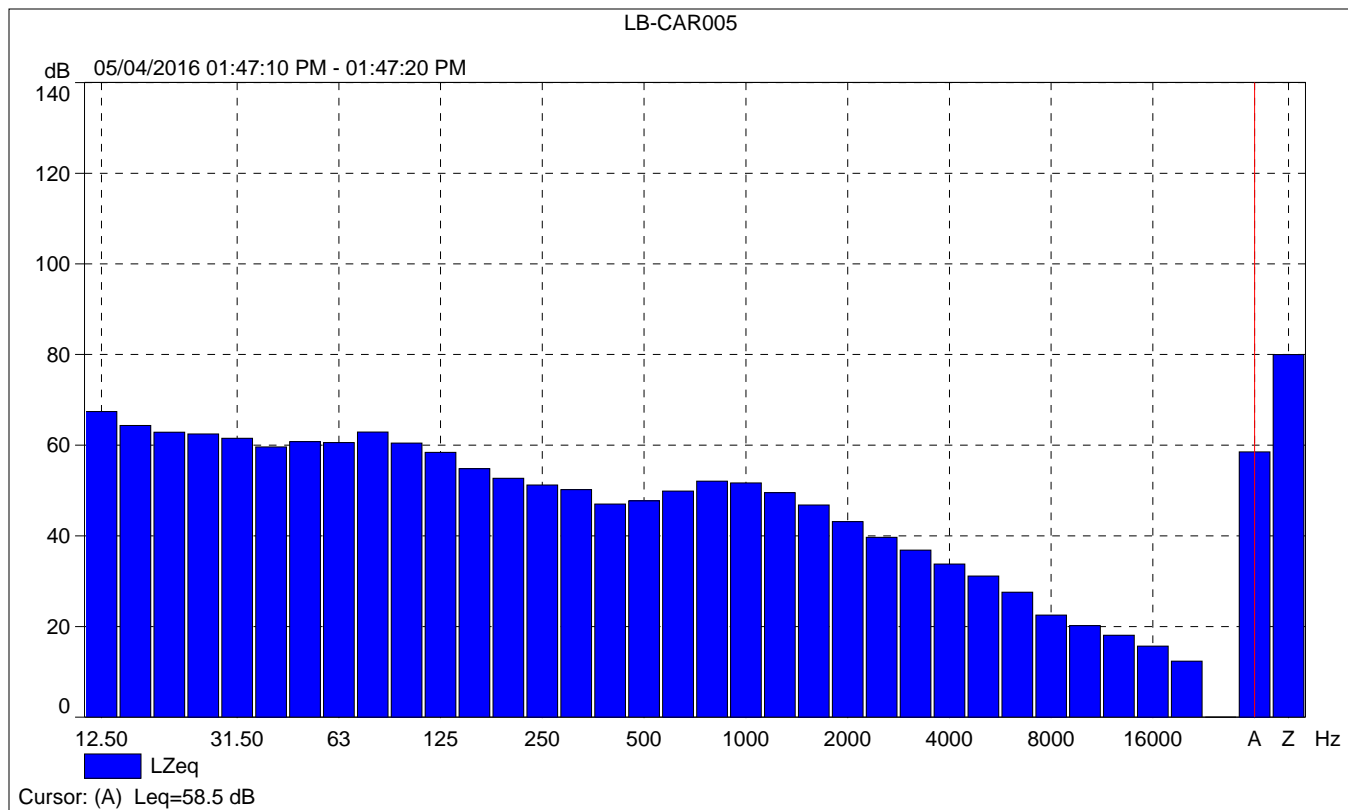
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	59.6	88.2	50.7
Time	01:42:17 PM	01:52:17 PM	0:10:00				
Date	05/04/2016	05/04/2016					





LB-CAR005

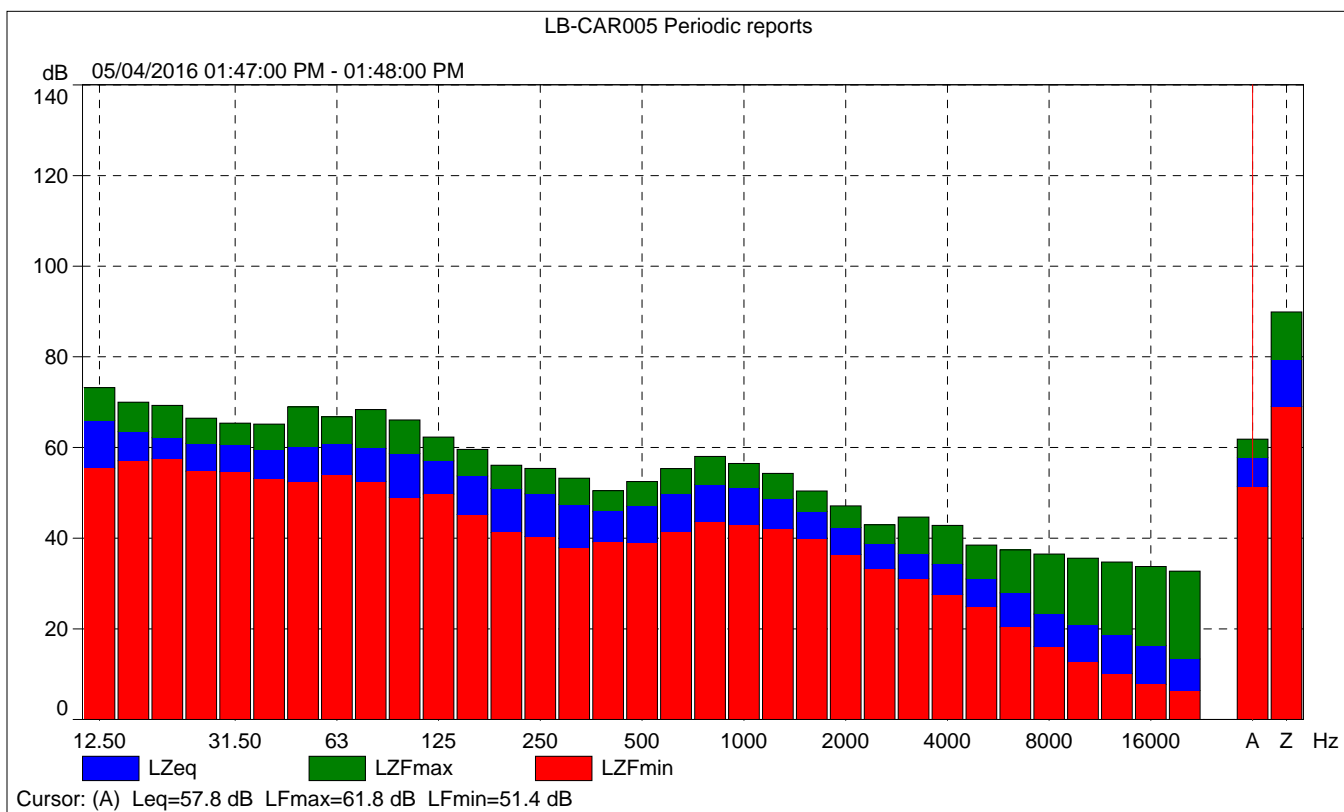
	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			59.1	60.8	54.9
Time	01:47:10 PM	0:00:10			
Date	05/04/2016				





LB-CAR005 Periodic reports

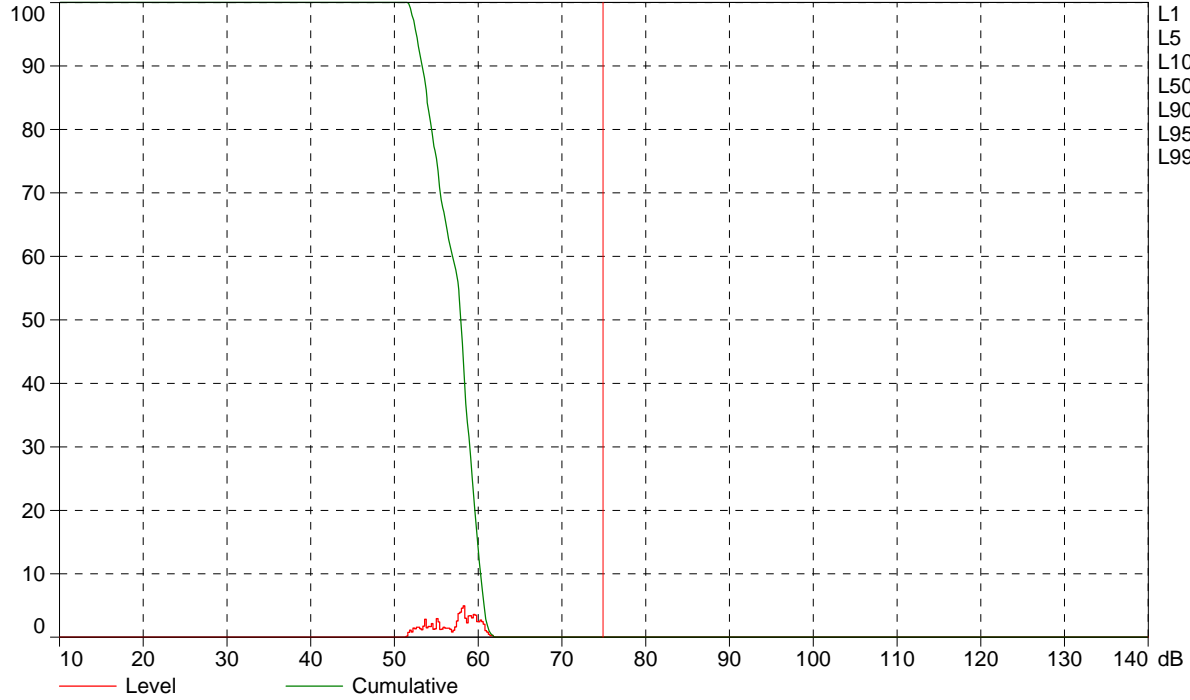
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	58.7	61.8	51.4
Time	01:47:00 PM	0:01:00				
Date	05/04/2016					





LB-CAR005 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/04/2016 01:47:00 PM - 01:48:00 PM



Cursor: [74.8 ; 75.0] dB Level: 0.0% Cumulative: 0.0%

Site Number: 3			
Recorded By: Jessica Ditto			
Job Number: 153317			
Date: May 4, 2016			
Time: 1:57 p.m.			
Location: Approximately 75 feet north of East Vista Street on Long Beach Bikeway Route 10.			
Source of Peak Noise: Traffic on Studebaker Road and Loynes Drive and air planes.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
54.7	47.0	75.8	86.0

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	2548189	1/4/2016	
	Microphone	Brüel & Kjær	4189	2543364	1/4/2016	
	Preamp	Brüel & Kjær	ZC 0032	4265	1/4/2016	
	Calibrator	Brüel & Kjær	4231	2545667	1/4/2016	
Weather Data						
Est.	Duration: 10 minutes			Sky: ☀ Sunny		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (hPa)	
	< 5 mph		68		29.96	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.4
Start Time:		05/04/2016 13:57:01
End Time:		05/04/2016 14:07:01
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		138.73

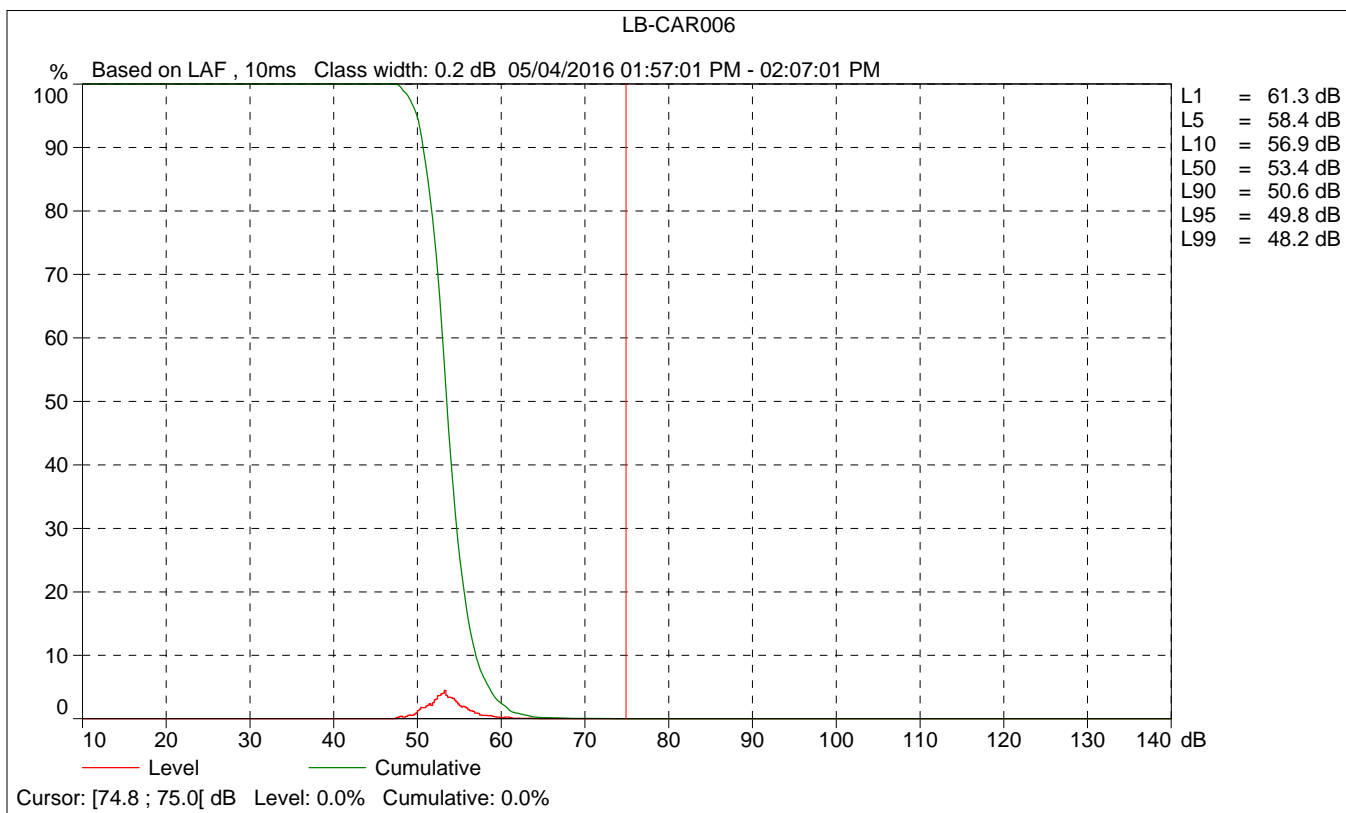
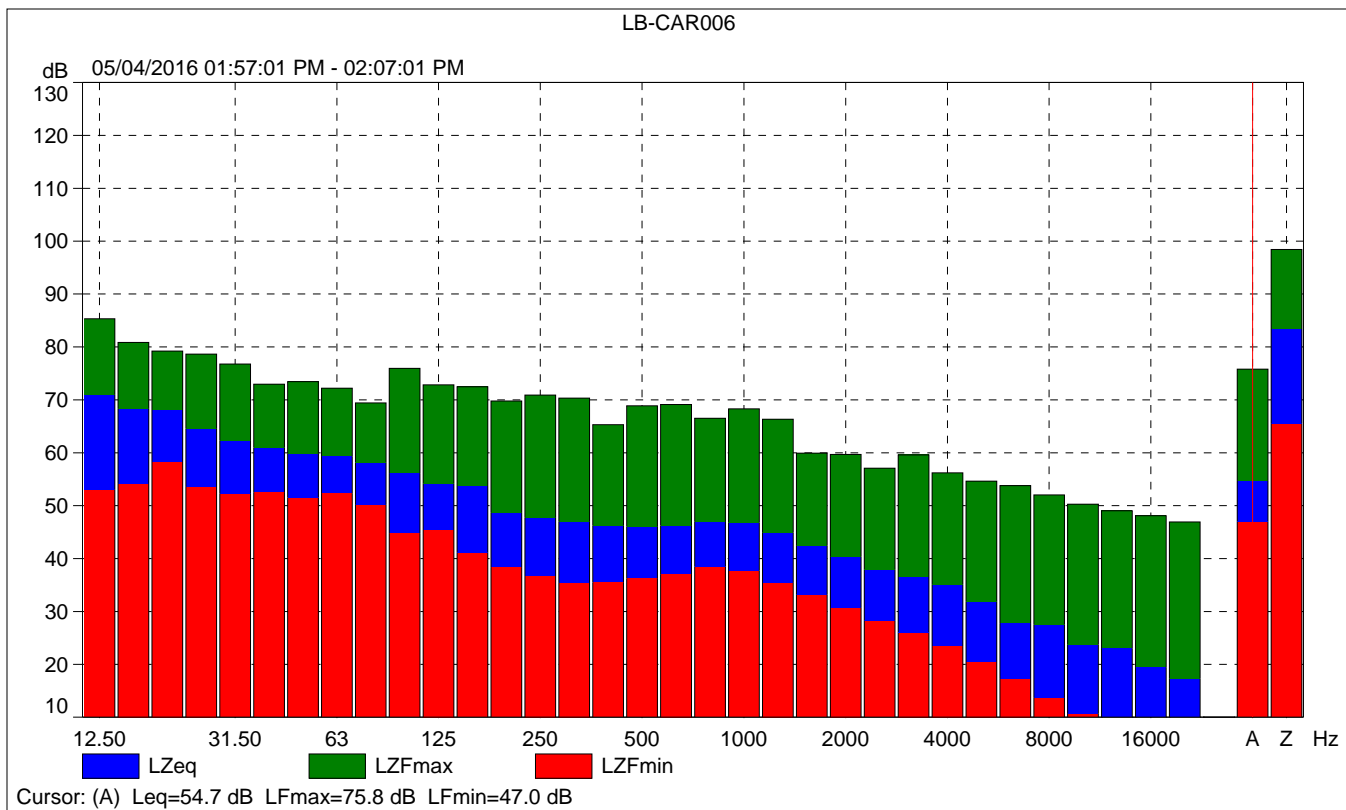
	Time	Frequency
Broadband (excl. Peak):	FSI	AZ
Broadband Peak:		C
Spectrum:	FS	Z

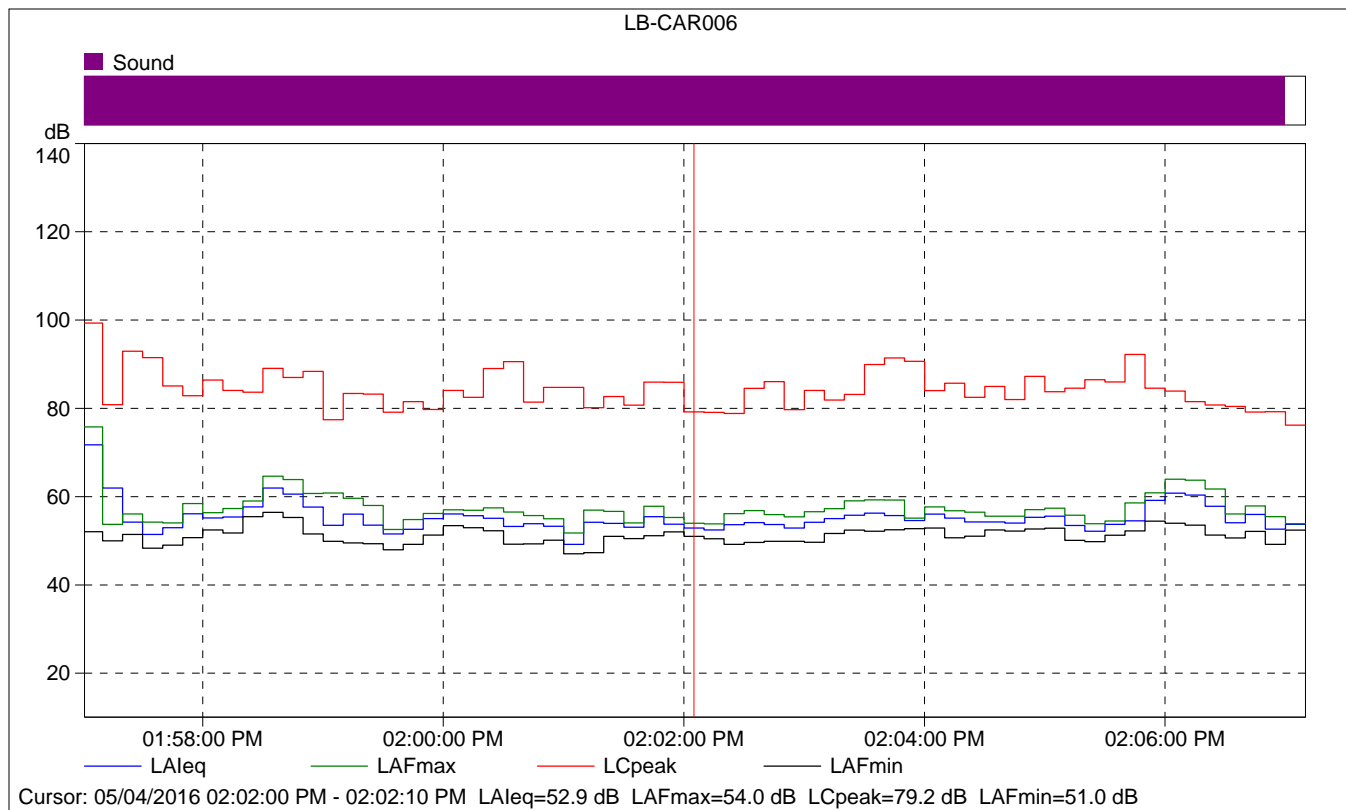
Instrument Serial Number:		2548189
Microphone Serial Number:		2543364
Input:		Top Socket
Windscreen Correction:		None
Sound Field Correction:		Free-field

Calibration Time:		05/04/2016 08:36:37
Calibration Type:		External reference
Sensitivity:		64.5433738827705 mV/Pa

LB-CAR006

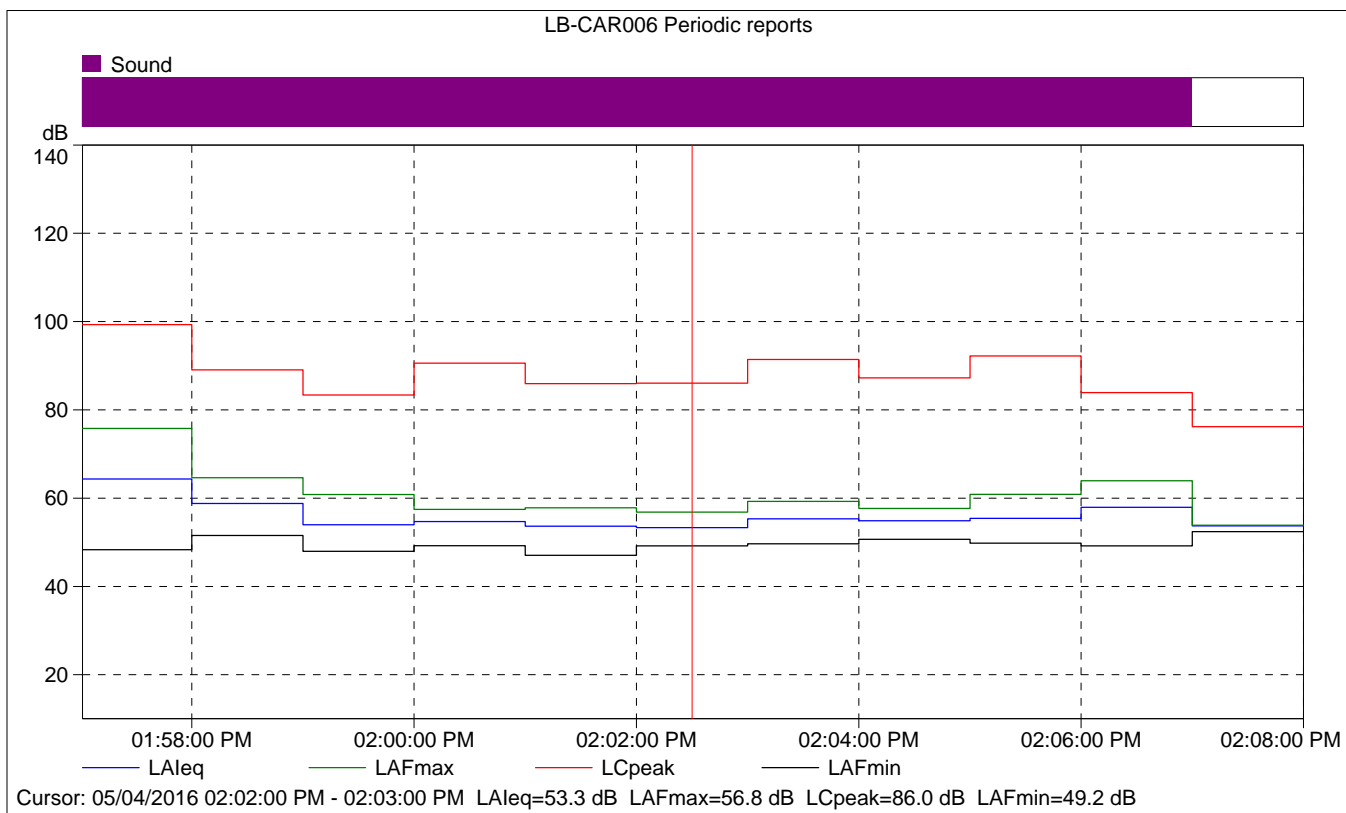
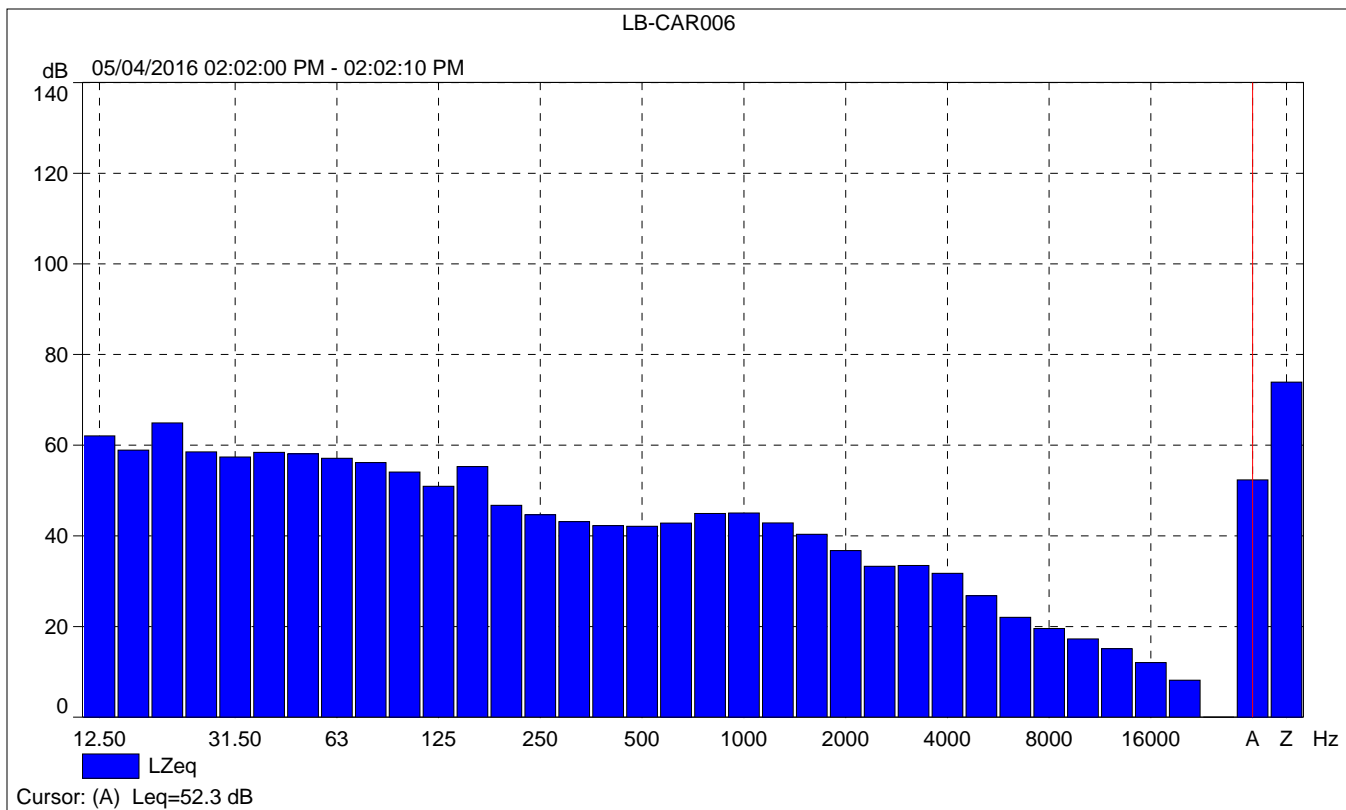
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	54.7	75.8	47.0
Time	01:57:01 PM	02:07:01 PM	0:10:00				
Date	05/04/2016	05/04/2016					





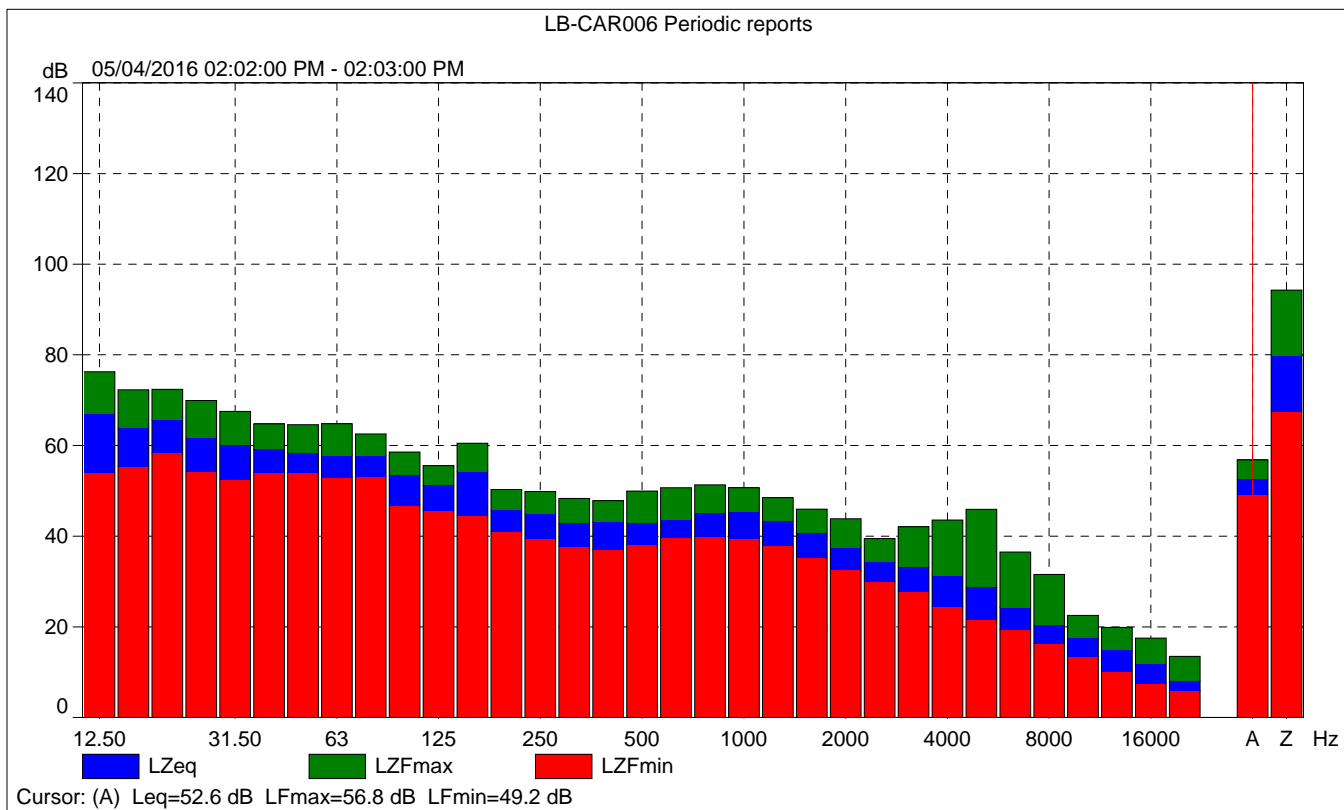
LB-CAR006

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			52.9	54.0	51.0
Time	02:02:00 PM	0:00:10			
Date	05/04/2016				



LB-CAR006 Periodic reports

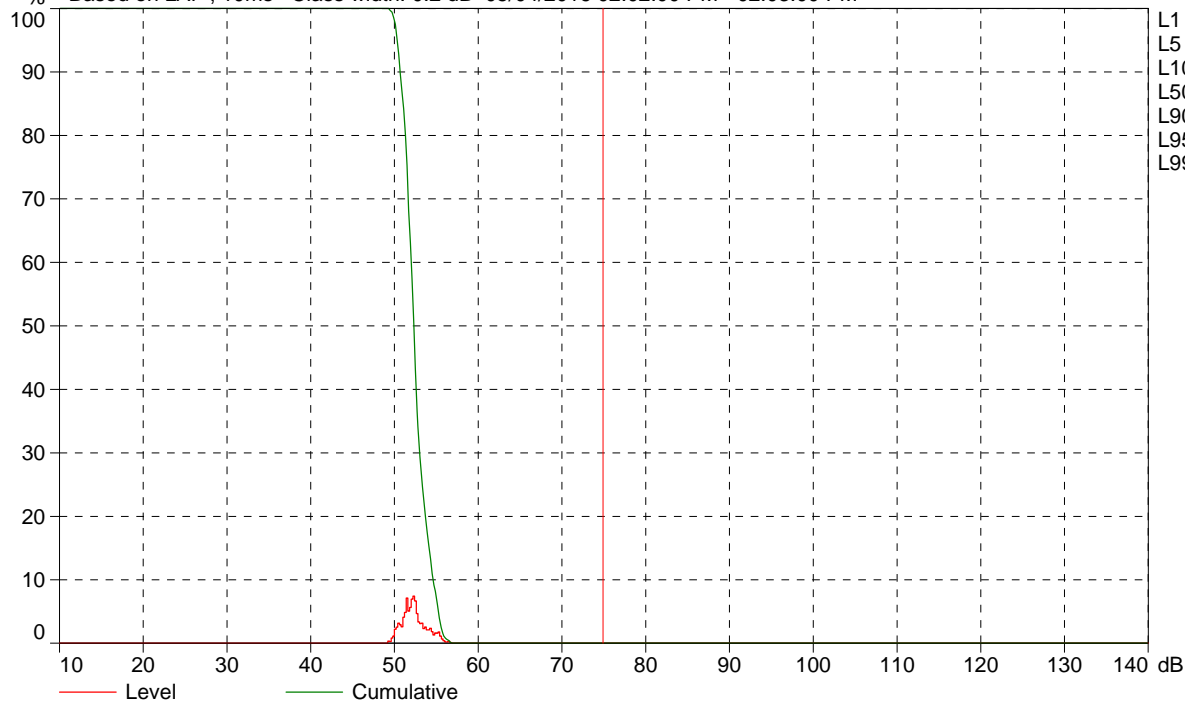
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	53.3	56.8	49.2
Time	02:02:00 PM	0:01:00				
Date	05/04/2016					





LB-CAR006 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 05/04/2016 02:02:00 PM - 02:03:00 PM



- L1 = 55.9 dB
- L5 = 55.2 dB
- L10 = 54.5 dB
- L50 = 52.2 dB
- L90 = 50.6 dB
- L95 = 50.2 dB
- L99 = 49.7 dB

Cursor: [74.8 ; 75.0] dB Level: 0.0% Cumulative: 0.0%