

APPENDIX G
Noise Data

Site Number: CT #1			
Recorded By: Danielle Regimbal			
Job Number: 176054			
Date: January 15, 2020			
Time: 10:56 a.m.			
Location: Along Figueroa Street, approximately 160 feet north of the Figueroa Street and Gardena Boulevard intersection.			
Source of Peak Noise: Traffic along Figueroa Street and car door closing.			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
72.5	94.9	53.9	101.7

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny/Partially Cloudy		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	3 mph		58°		30.03	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		01/15/2020 10:56:34
End Time:		01/15/2020 11:06:34
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.09

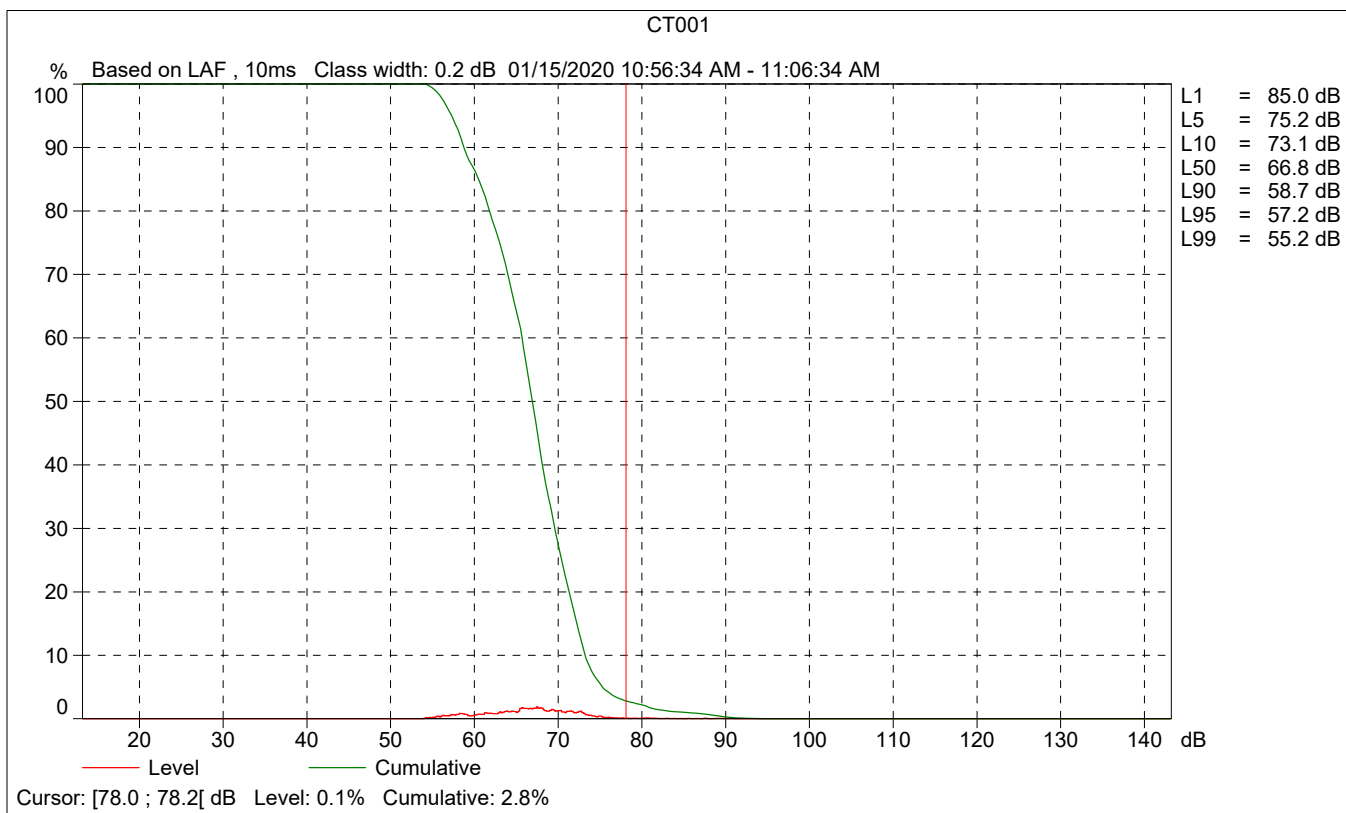
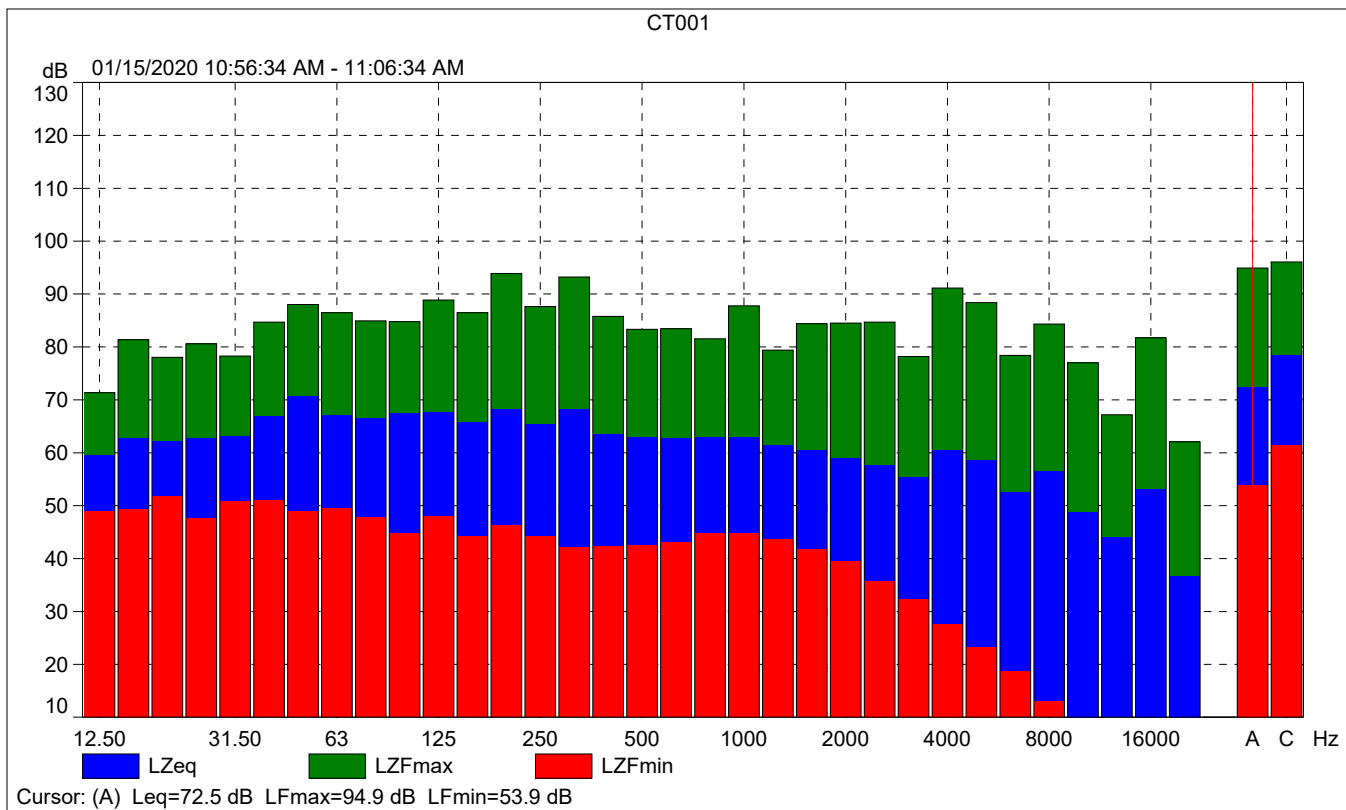
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

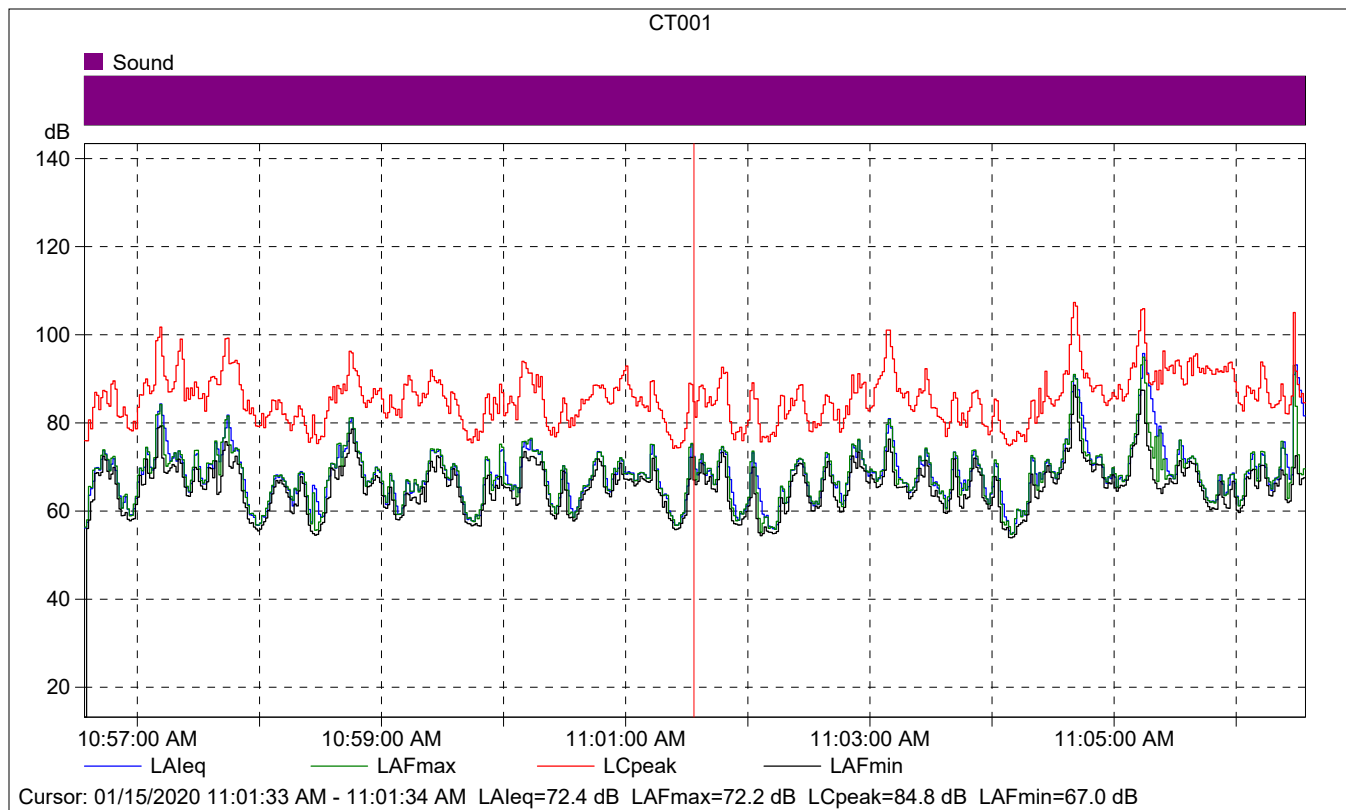
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/15/2020 09:50:04
Calibration Type:		External reference
Sensitivity:		43.7955521047115 mV/Pa

CT001

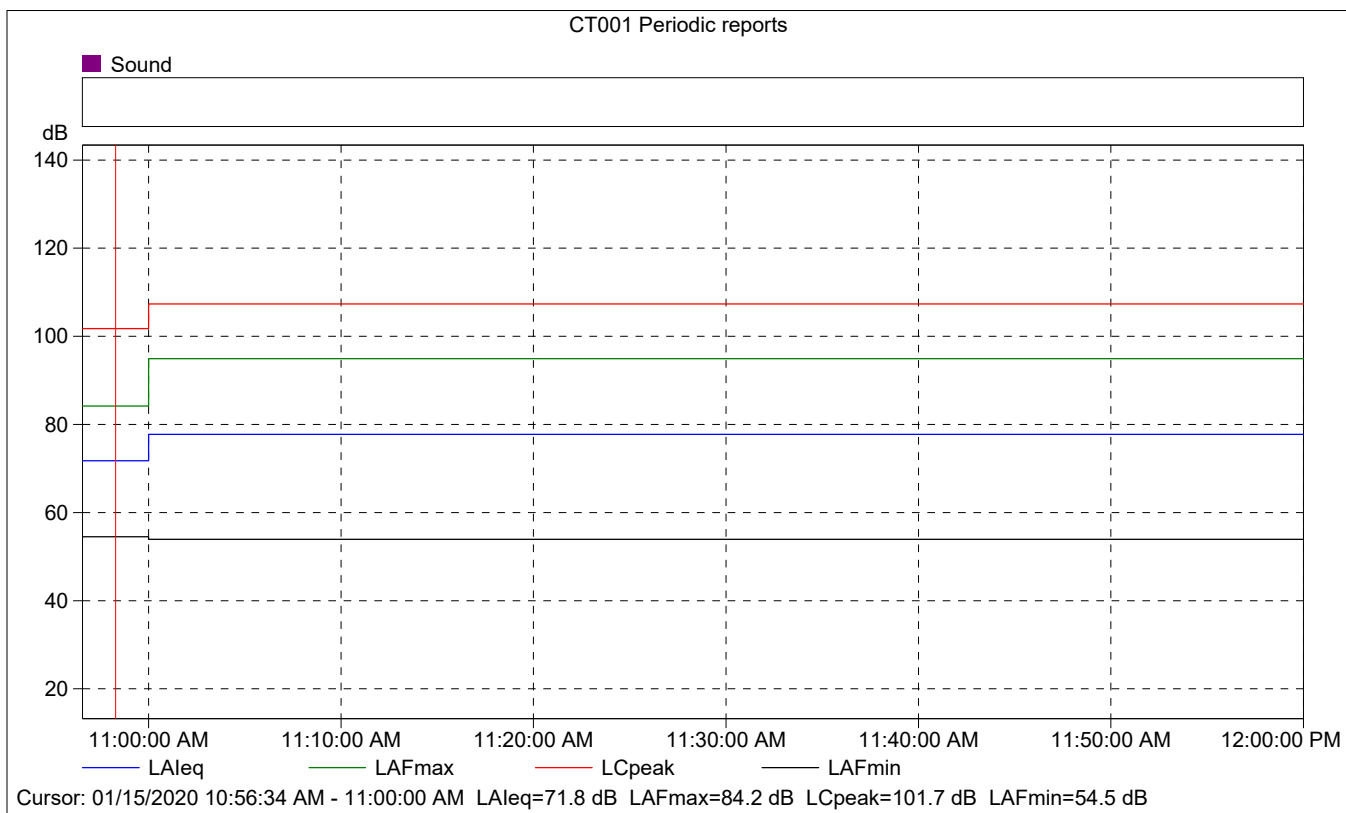
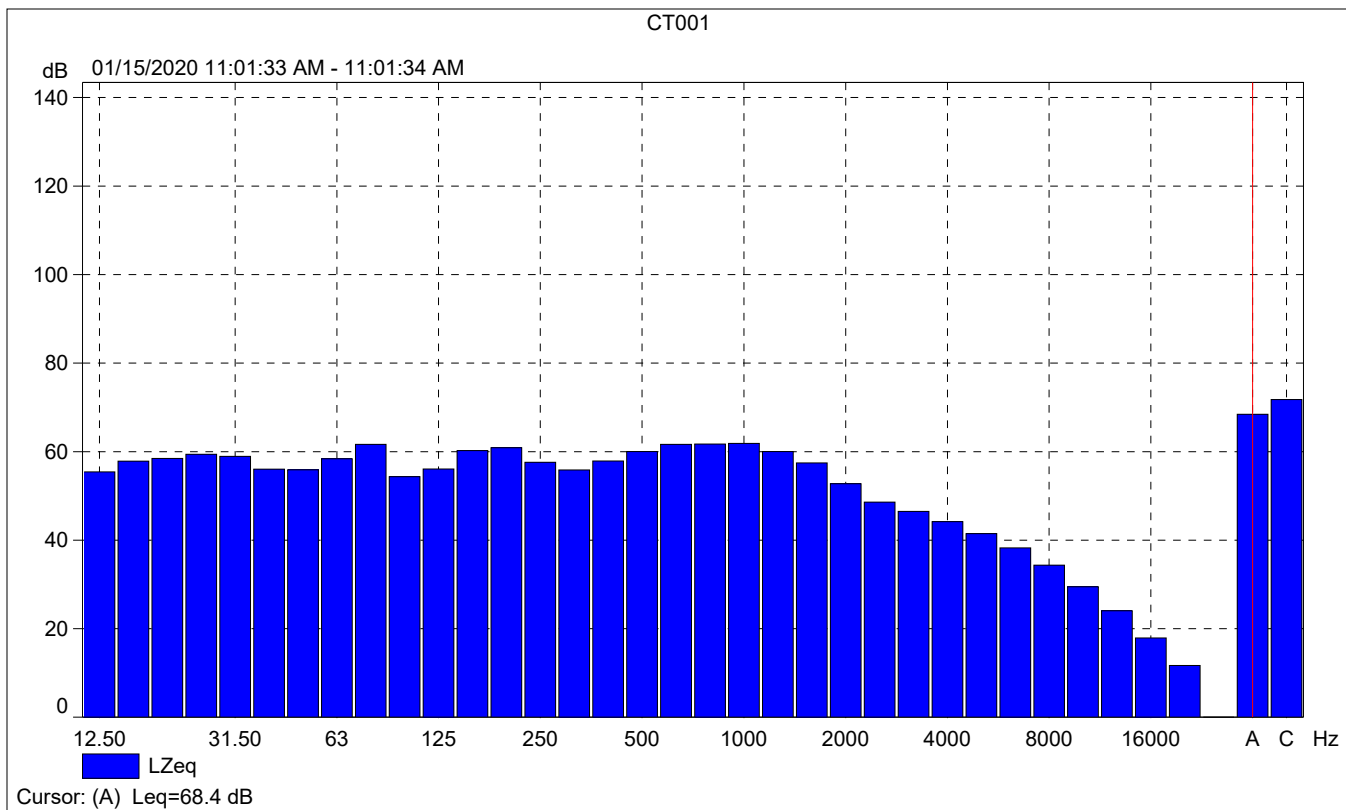
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	72.5	94.9	53.9
Time	10:56:34 AM	11:06:34 AM	0:10:00				
Date	01/15/2020	01/15/2020					





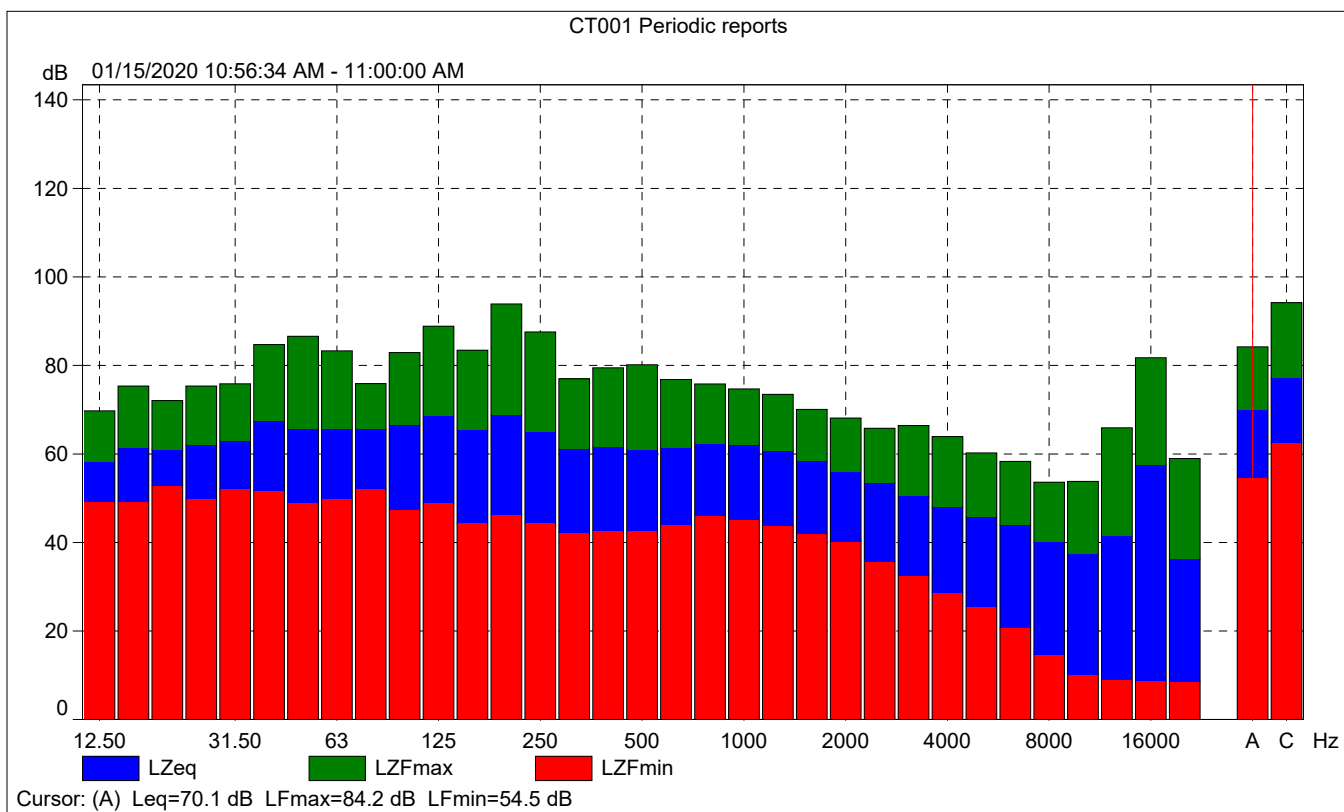
CT001

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			72.4	72.2	67.0
Time	11:01:33 AM	0:00:01			
Date	01/15/2020				



CT001 Periodic reports

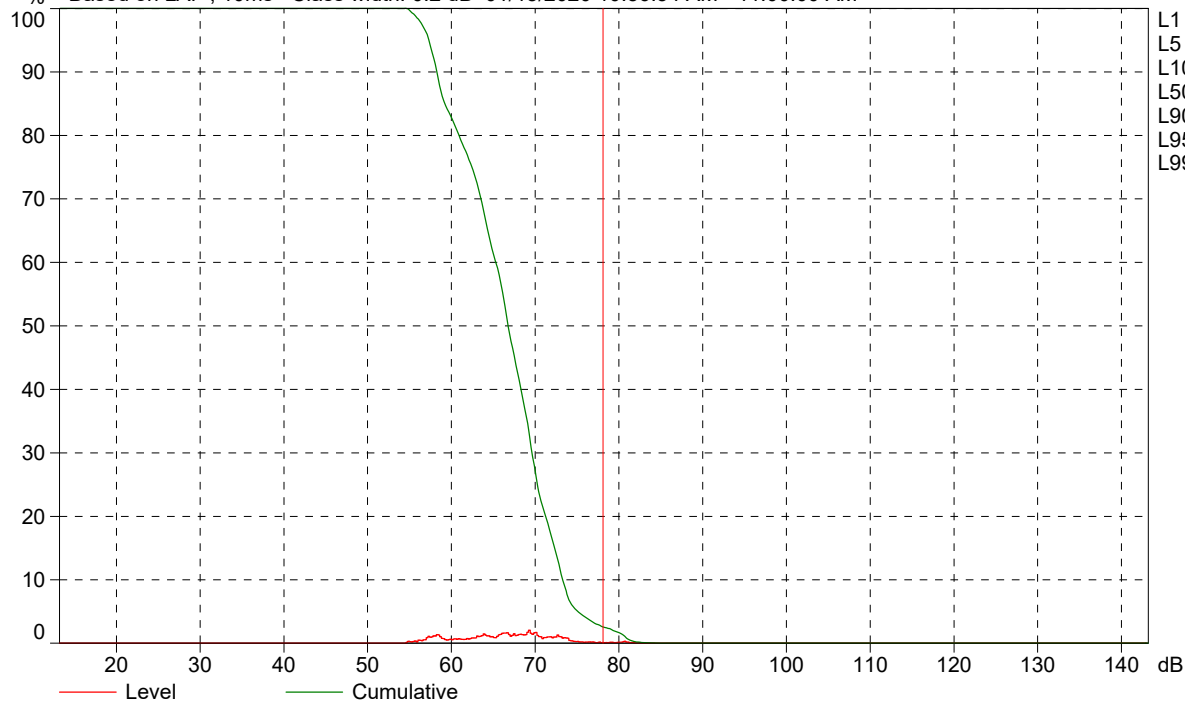
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	71.8	84.2	54.5
Time	10:56:34 AM	0:03:26				
Date	01/15/2020					





CT001 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 01/15/2020 10:56:34 AM - 11:00:00 AM



Cursor: [78.0 ; 78.2] dB Level: 0.1% Cumulative: 2.6%

Site Number: CT #2			
Recorded By: Danielle Regimbal			
Job Number: 176054			
Date: January 15, 2020			
Time: 11:12 a.m.			
Location: Along Gardena Boulevard, north of residence located at 348 Gardena Boulevard.			
Source of Peak Noise: Traffic along Gardena Boulevard, car alarm, and dog barking.			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
68.7	91.1	50.9	113.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny/Partially Cloudy		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	3 mph		58°		30.03	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		01/15/2020 11:12:55
End Time:		01/15/2020 11:22:55
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.09

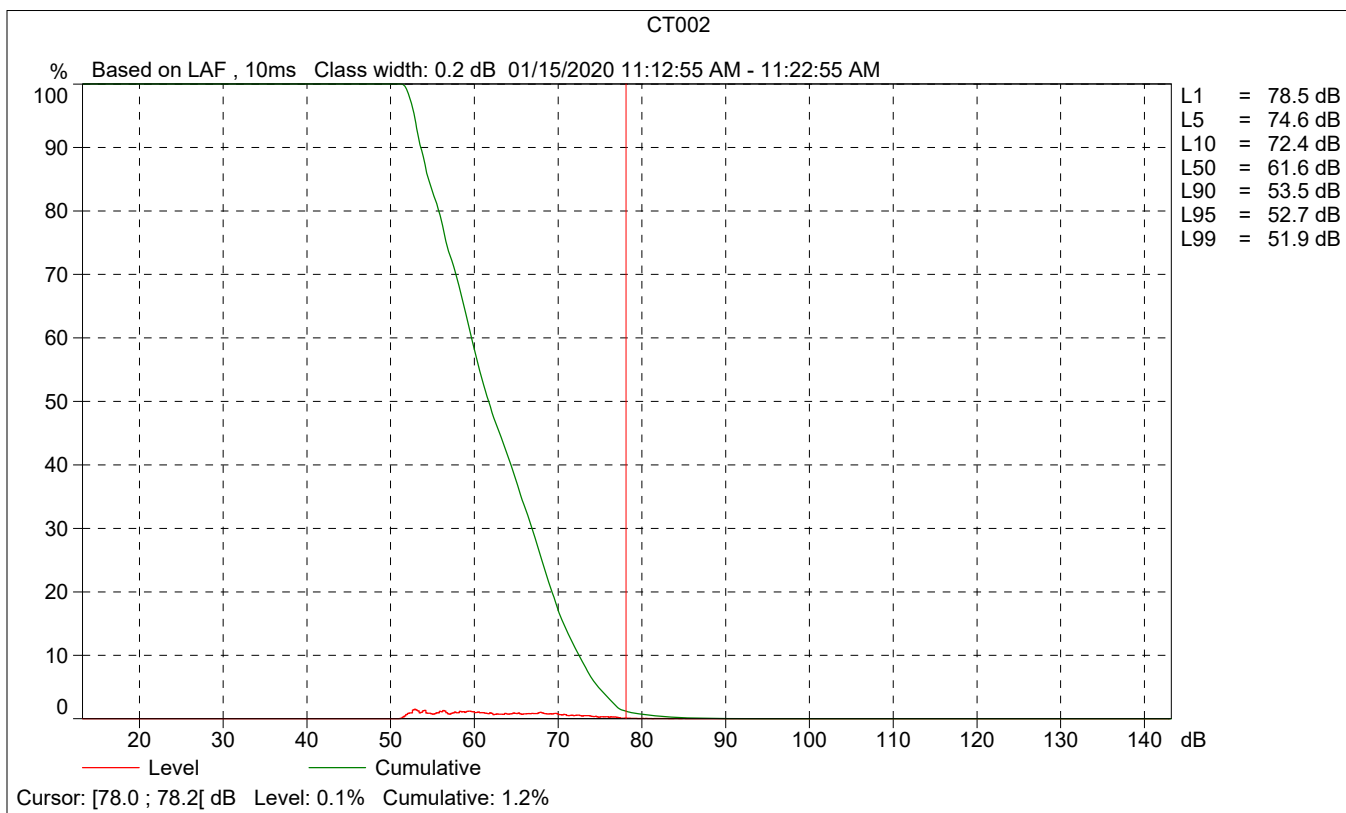
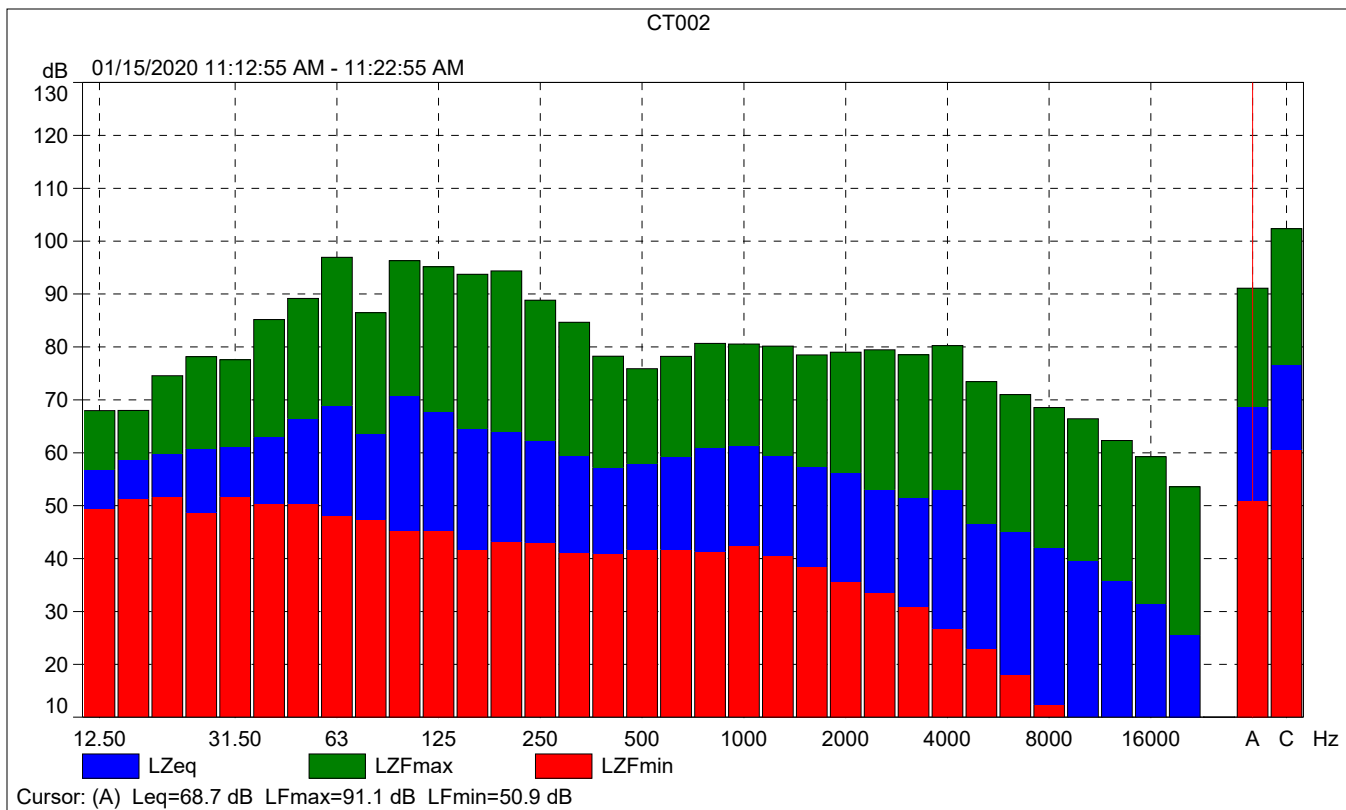
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

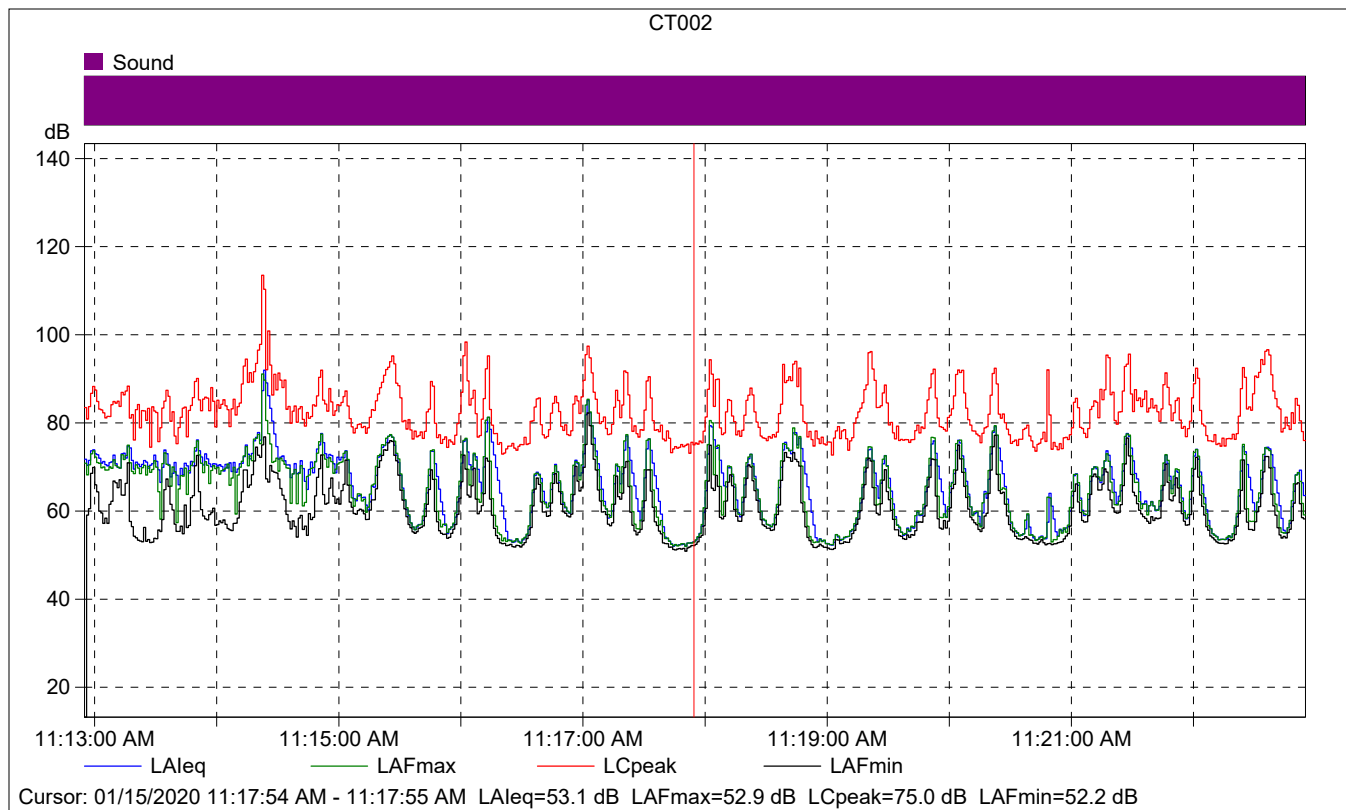
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/15/2020 09:50:04
Calibration Type:		External reference
Sensitivity:		43.7955521047115 mV/Pa

CT002

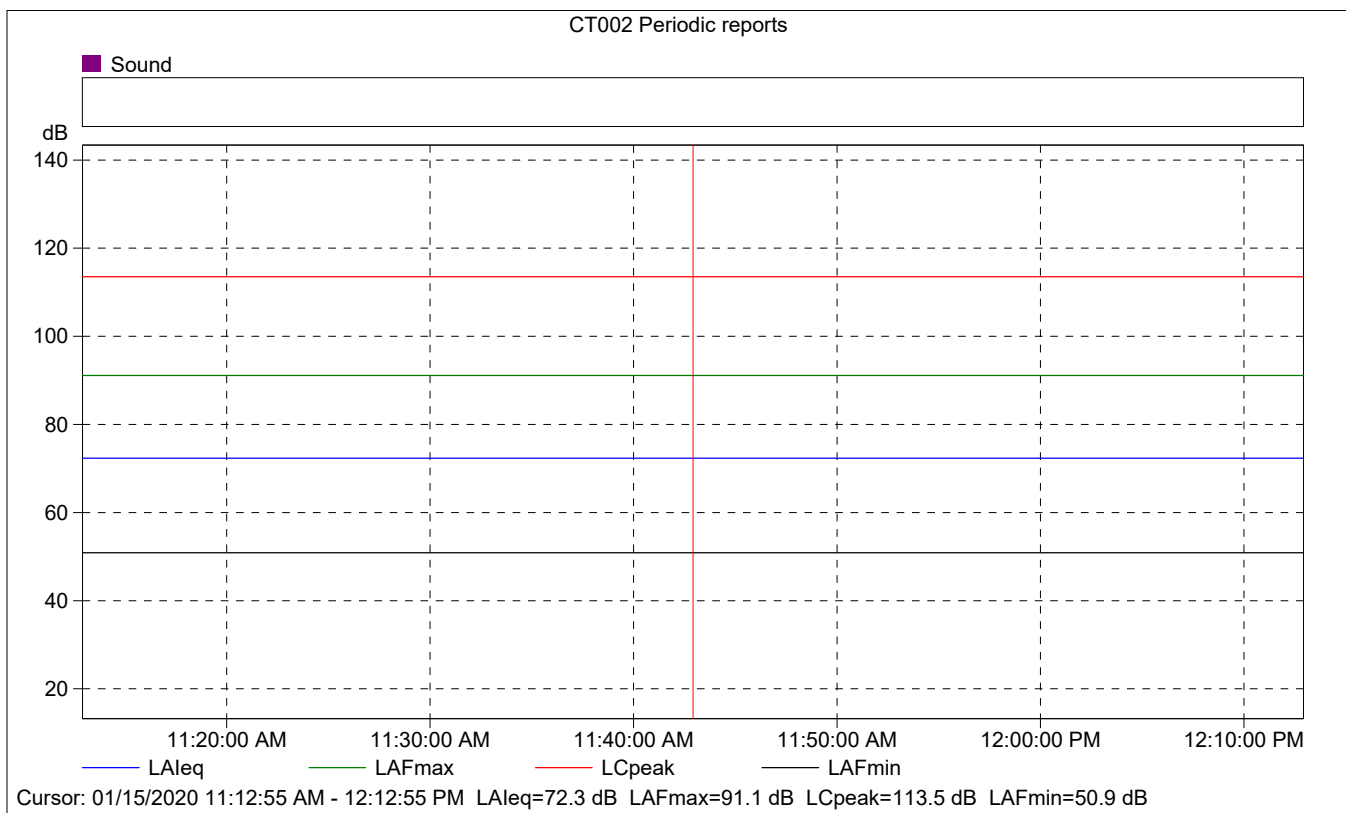
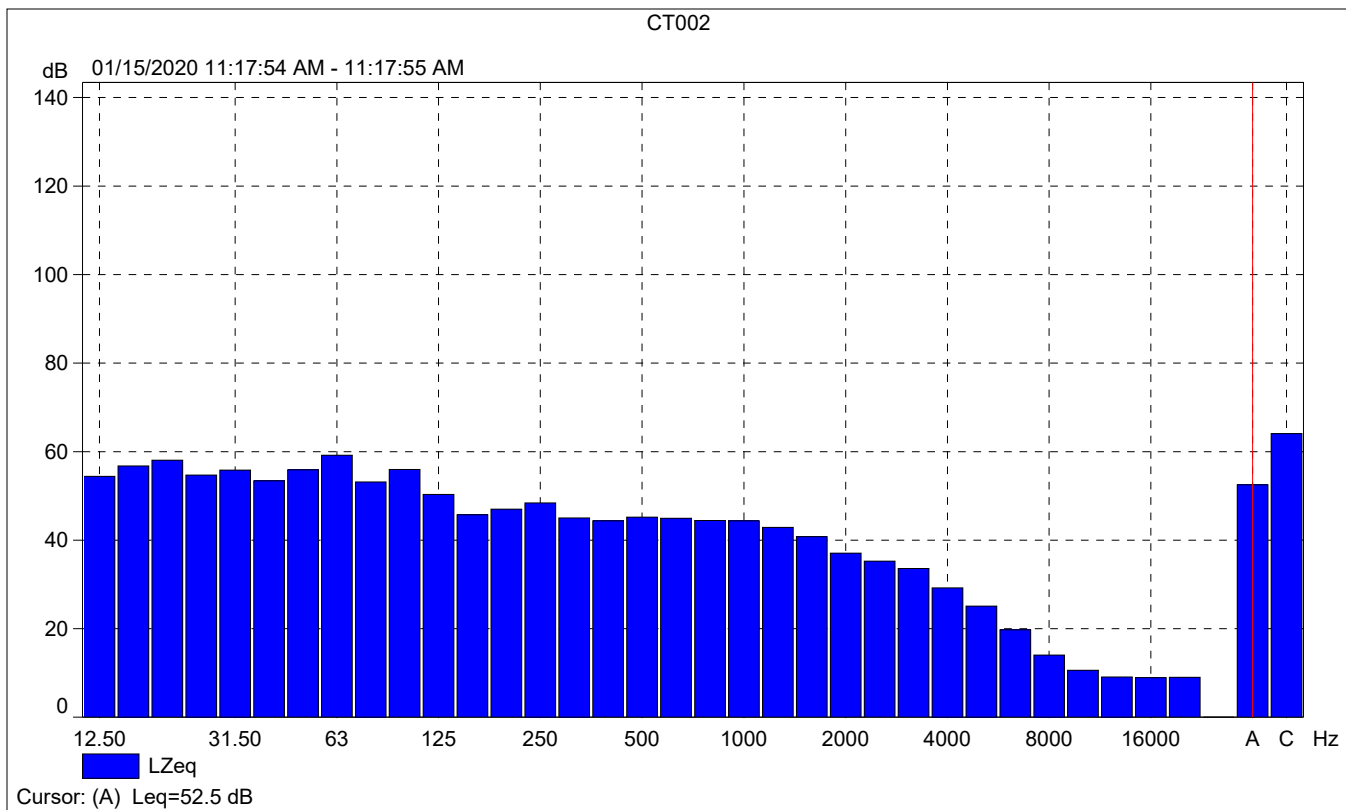
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	68.7	91.1	50.9
Time	11:12:55 AM	11:22:55 AM	0:10:00				
Date	01/15/2020	01/15/2020					





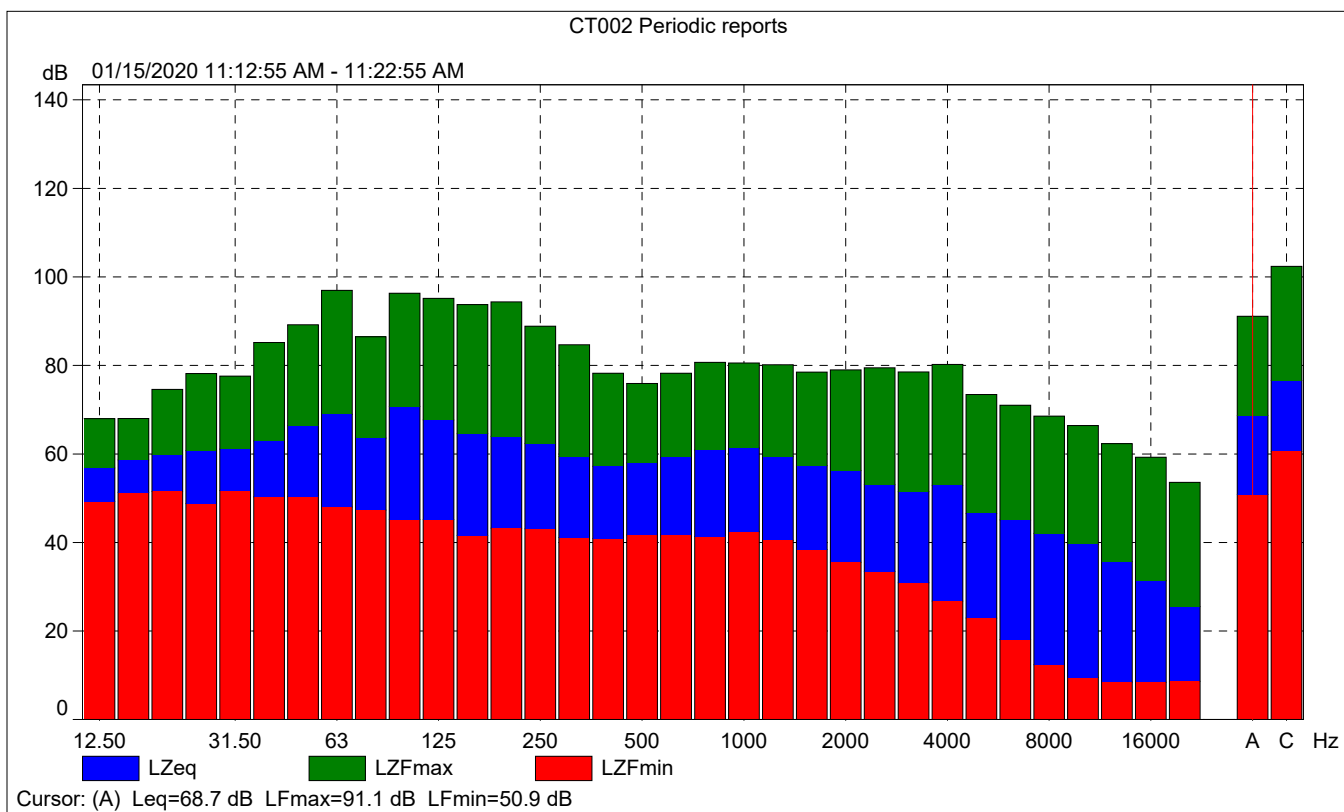
CT002

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			53.1	52.9	52.2
Time	11:17:54 AM	0:00:01			
Date	01/15/2020				

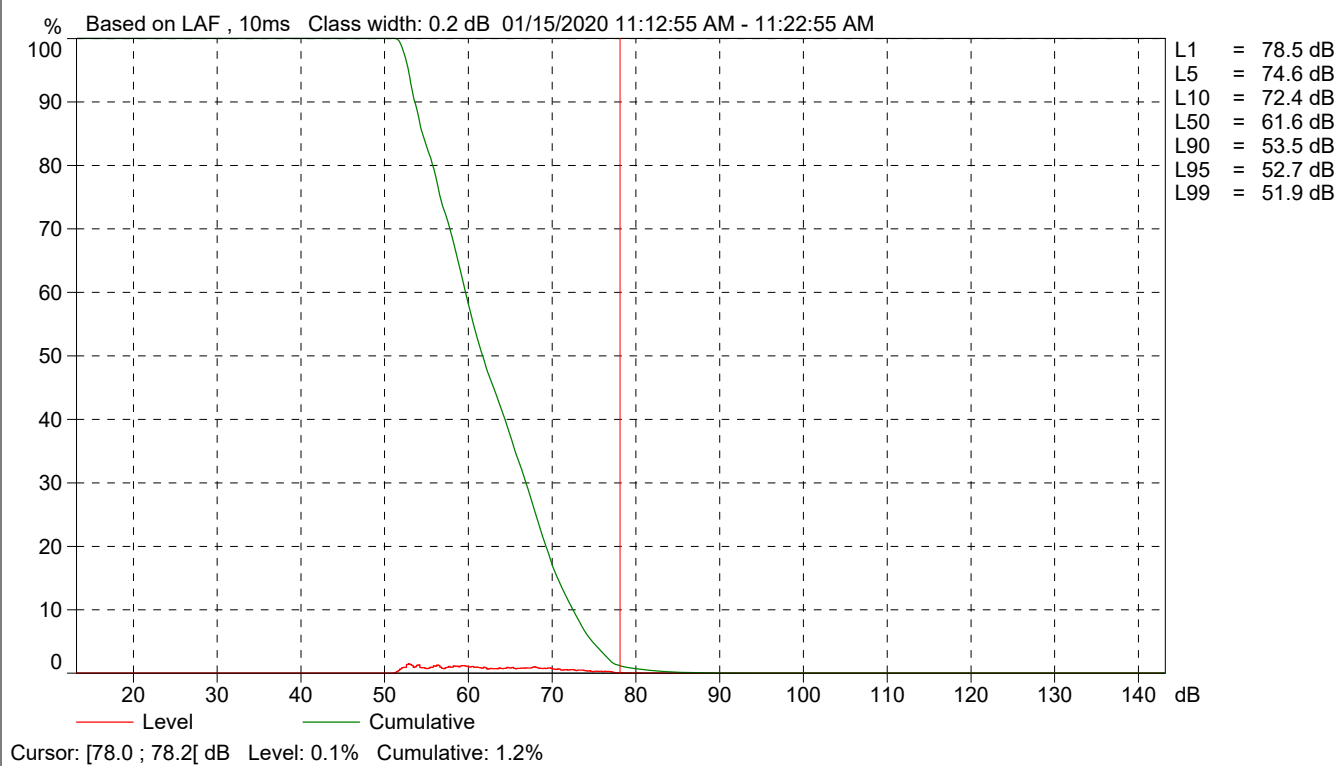


CT002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	72.3	91.1	50.9
Time	11:12:55 AM	0:10:00				
Date	01/15/2020					



CT002 Periodic reports



Site Number: CT #3			
Recorded By: Danielle Regimbal			
Job Number: 176054			
Date: January 15, 2020			
Time: 11:29 a.m.			
Location: Along Broadway, approximately 290 feet north of the Broadway and Gardena Boulevard intersection.			
Source of Peak Noise: Traffic along Broadway and truck back up alert.			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
68.1	88.1	49.0	102.6

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	04/08/2019	
	Microphone	Brüel & Kjær	4189	3086765	04/08/2019	
	Preamp	Brüel & Kjær	ZC 0032	25380	04/08/2019	
	Calibrator	Brüel & Kjær	4231	2545667	04/08/2019	
Weather Data						
Est.	Duration: 10 minutes			Sky: Sunny/Partially Cloudy		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	3 mph		58°		30.03	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		01/15/2020 11:29:38
End Time:		01/15/2020 11:39:38
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.09

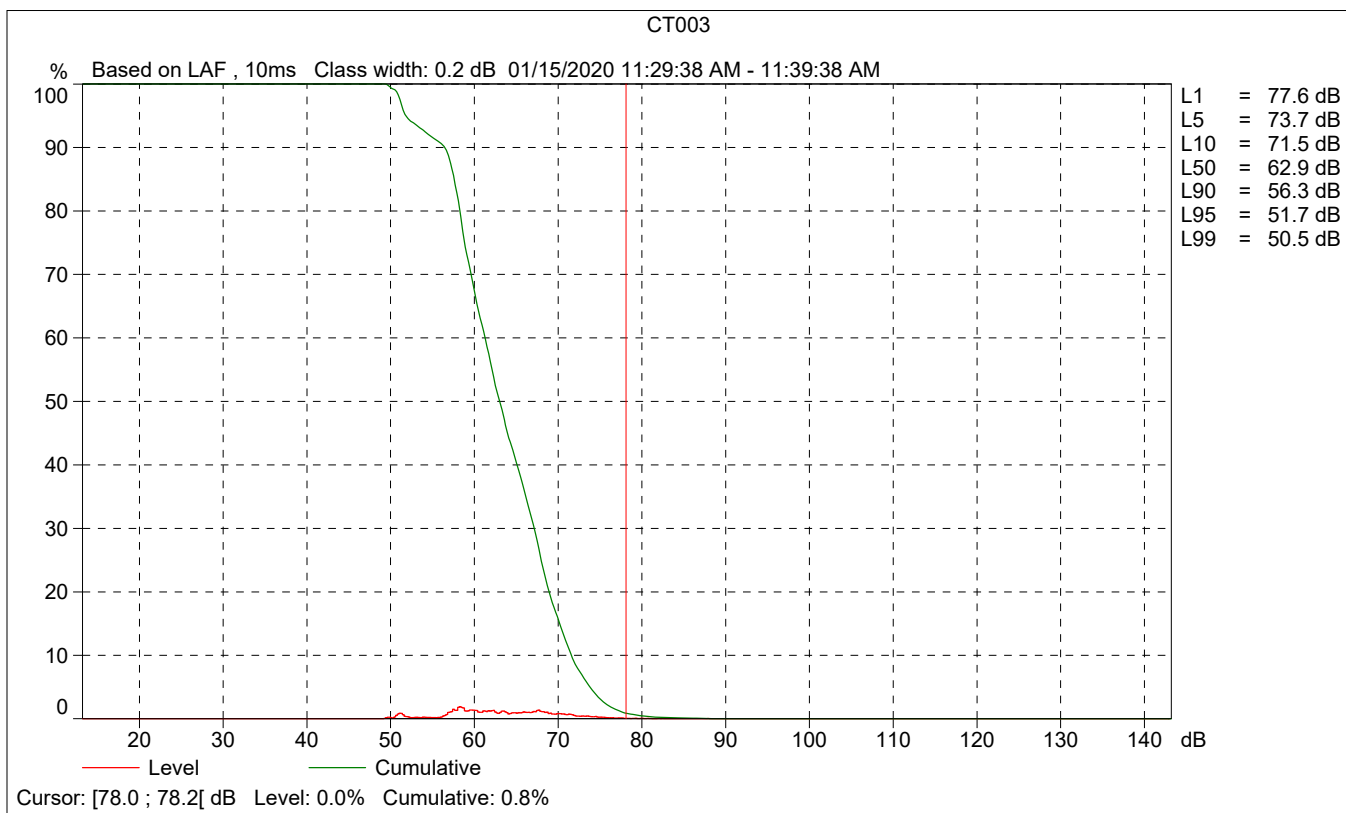
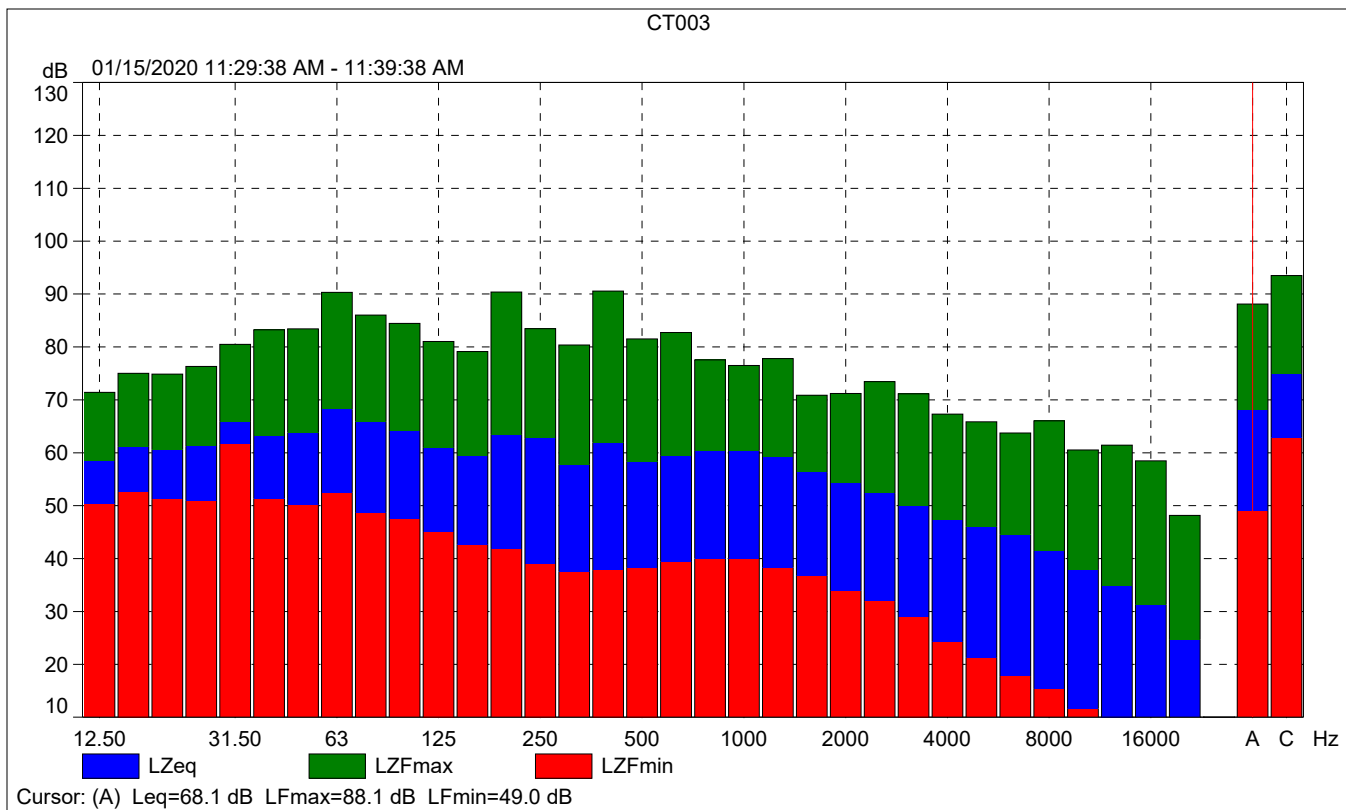
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

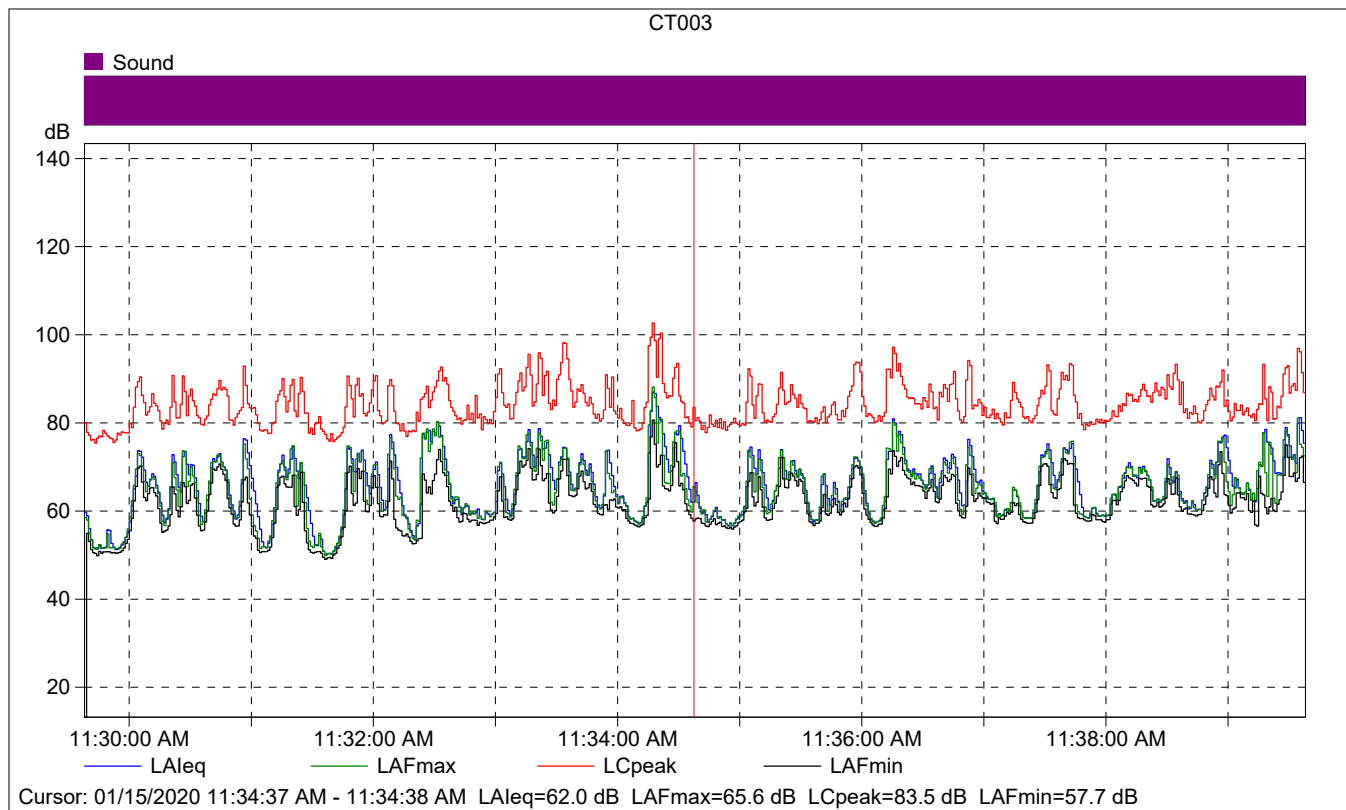
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/15/2020 09:50:04
Calibration Type:		External reference
Sensitivity:		43.7955521047115 mV/Pa

CT003

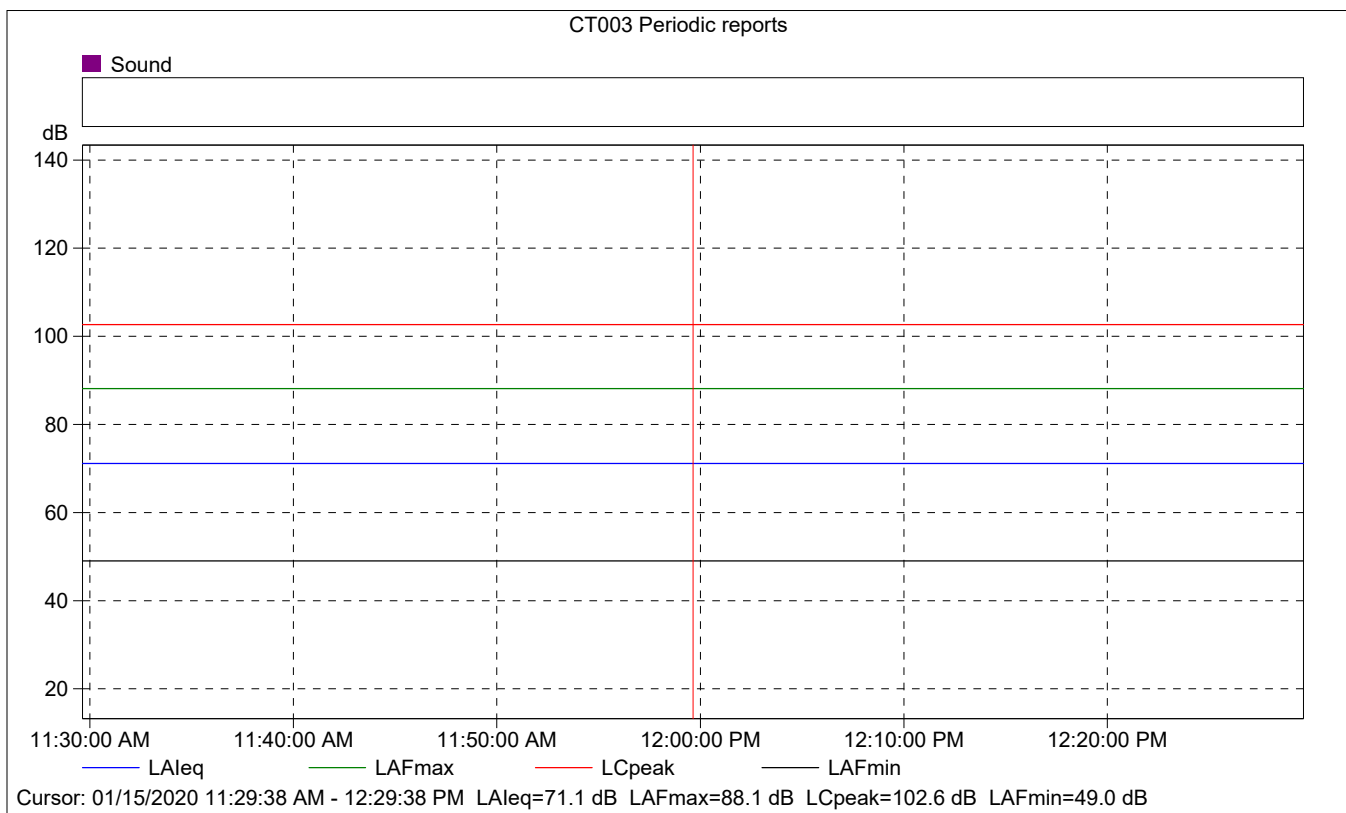
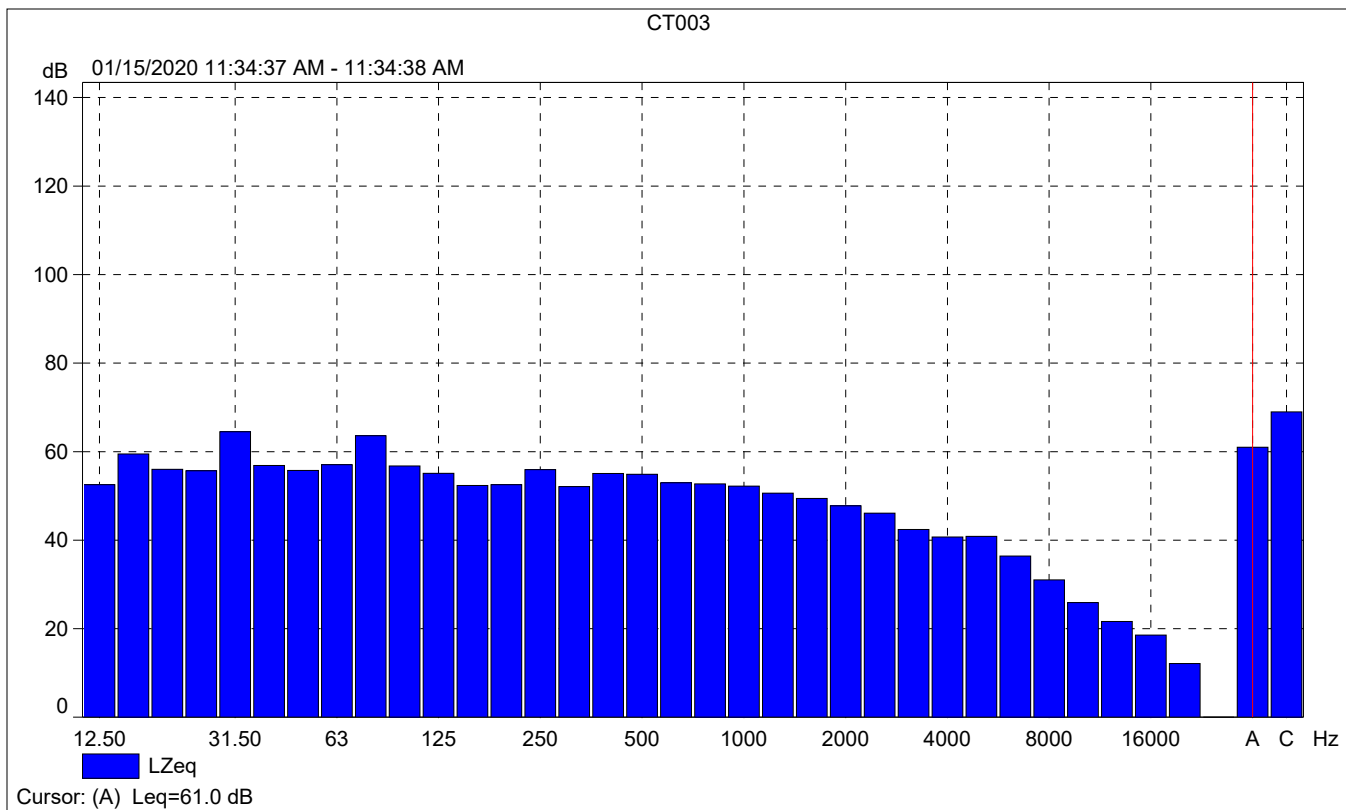
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	68.1	88.1	49.0
Time	11:29:38 AM	11:39:38 AM	0:10:00				
Date	01/15/2020	01/15/2020					





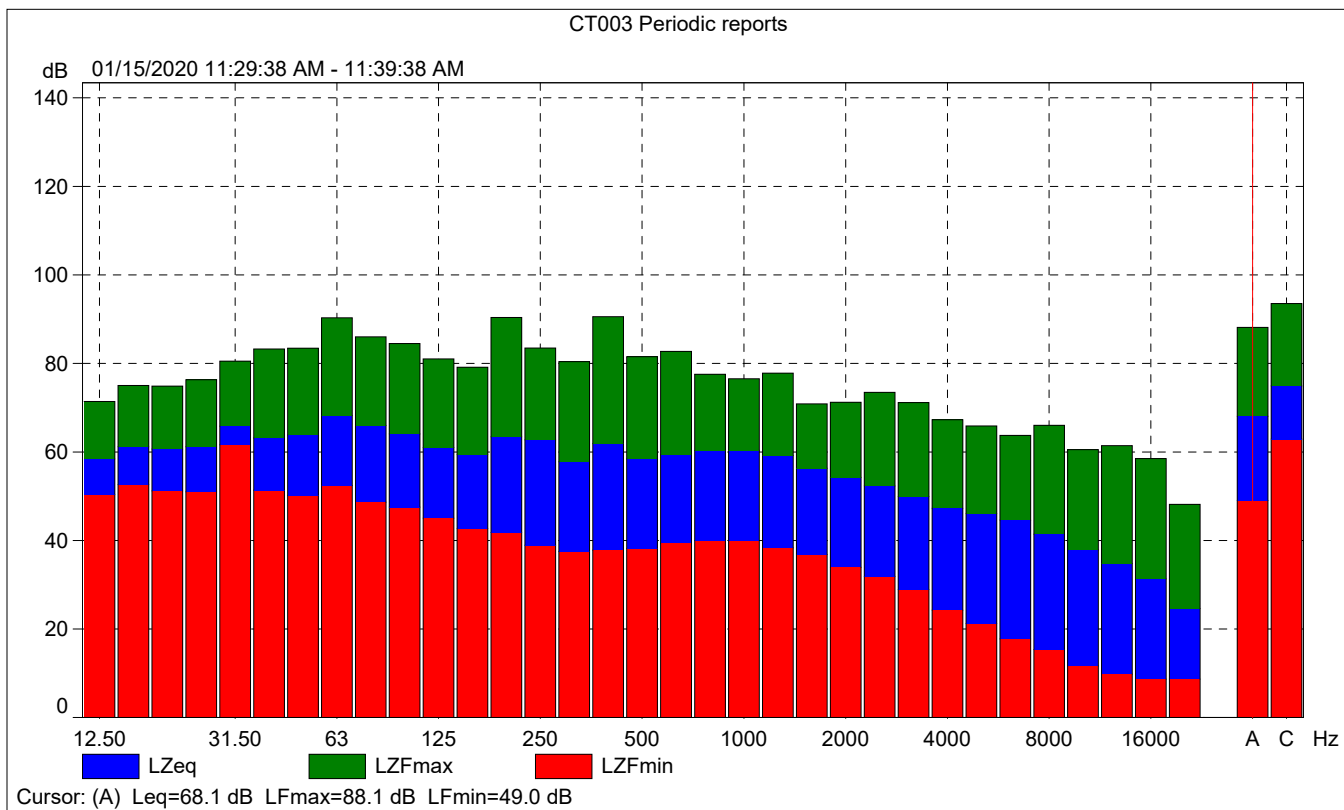
CT003

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			62.0	65.6	57.7
Time	11:34:37 AM	0:00:01			
Date	01/15/2020				



CT003 Periodic reports

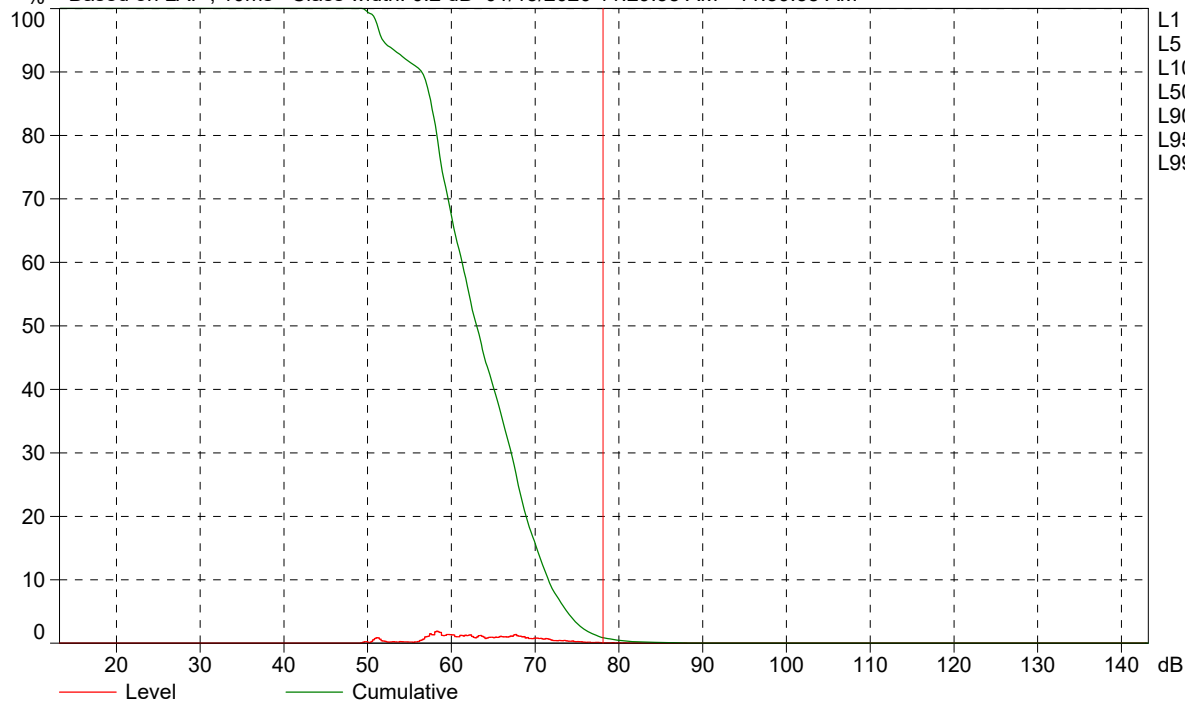
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	71.1	88.1	49.0
Time	11:29:38 AM	0:10:00				
Date	01/15/2020					





CT003 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 01/15/2020 11:29:38 AM - 11:39:38 AM



- L1 = 77.6 dB
- L5 = 73.7 dB
- L10 = 71.5 dB
- L50 = 62.9 dB
- L90 = 56.3 dB
- L95 = 51.7 dB
- L99 = 50.5 dB

Cursor: [78.0 ; 78.2] dB Level: 0.0% Cumulative: 0.8%

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/27/2020

Case Description:

		---- Receptor #1 ----													
		Baselines (dBA)													
Description	Land Use	Daytime	Evening	Night											
Southern Resider	Residential	1	1	1											
		Equipment													
Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)									
Grader	No	40	85		85	0									
Scraper	No	40		83.6	85	0									
Scraper	No	40		83.6	85	0									
Scraper	No	40		83.6	85	0									
Tractor	No	40	84		85	0									
Crane	No	16		80.6	85	0									
Tractor	No	40	84		85	0									
Excavator	No	40		80.7	85	0									
All Other Equipment > 5 HP	No	50	85		85	0									
Tractor	No	40	84		85	0									
		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader		80.4	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper		79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper		79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper		79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		75.9	68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		76.1	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 HP		80.4	77.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	80.4	85.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.