

# **Appendix 6**

## **Noise Data**

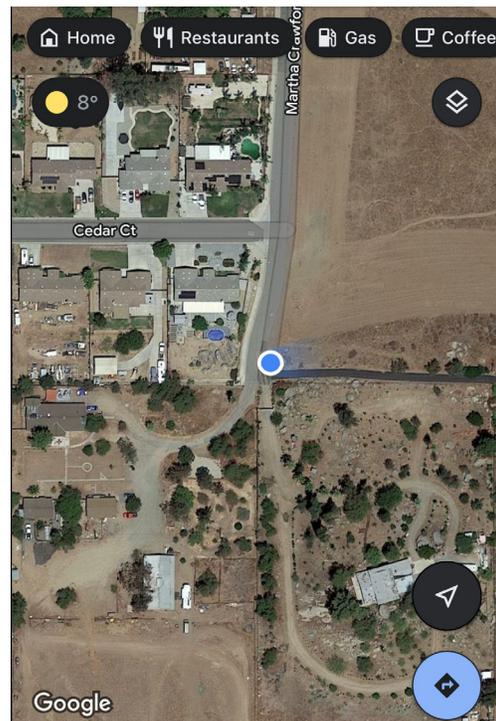
**Sunset Crossings Residential Project**

**Initial Study**

<b>Site Number:</b> NM-1			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 10:02 a.m.			
<b>Location:</b> On the sidewalks for Martha Crawford Street			
<b>Source of Ambient Noise:</b> Traffic noise from Cottonwood Avenue and HVAC noise.			
<b>Source of Peak Noise:</b> NA			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
46.6	64.0	43.6	84.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Clear		
	<b>Note:</b> dBA Offset = 0.02			<b>Sensor Height (ft):</b> 5 ft		
	<b>Wind Ave Speed (mph / m/s)</b>		<b>Temperature (degrees Fahrenheit)</b>		<b>Barometer Pressure (inches)</b>	
	2 mph		50		30.19	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 10:01:38
End Time:		12/14/2022 10:11:38
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

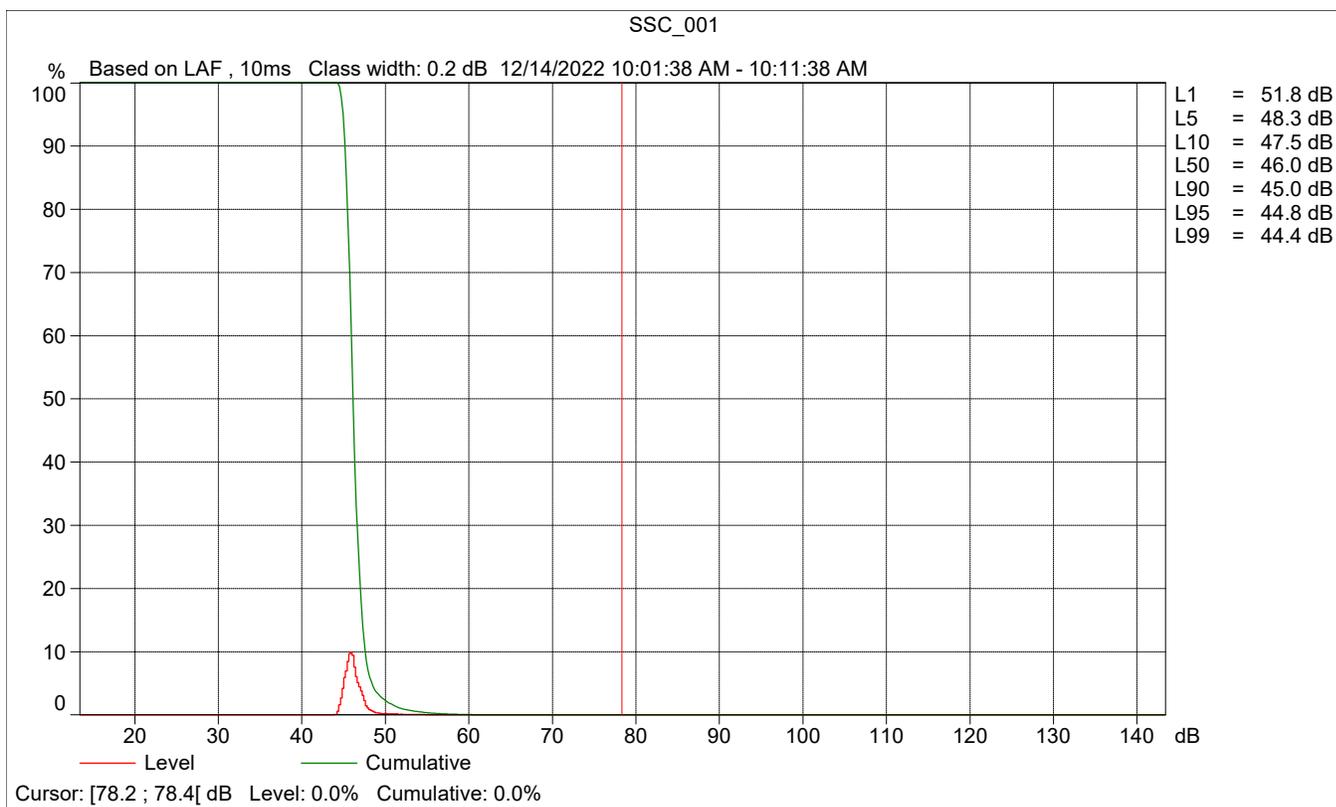
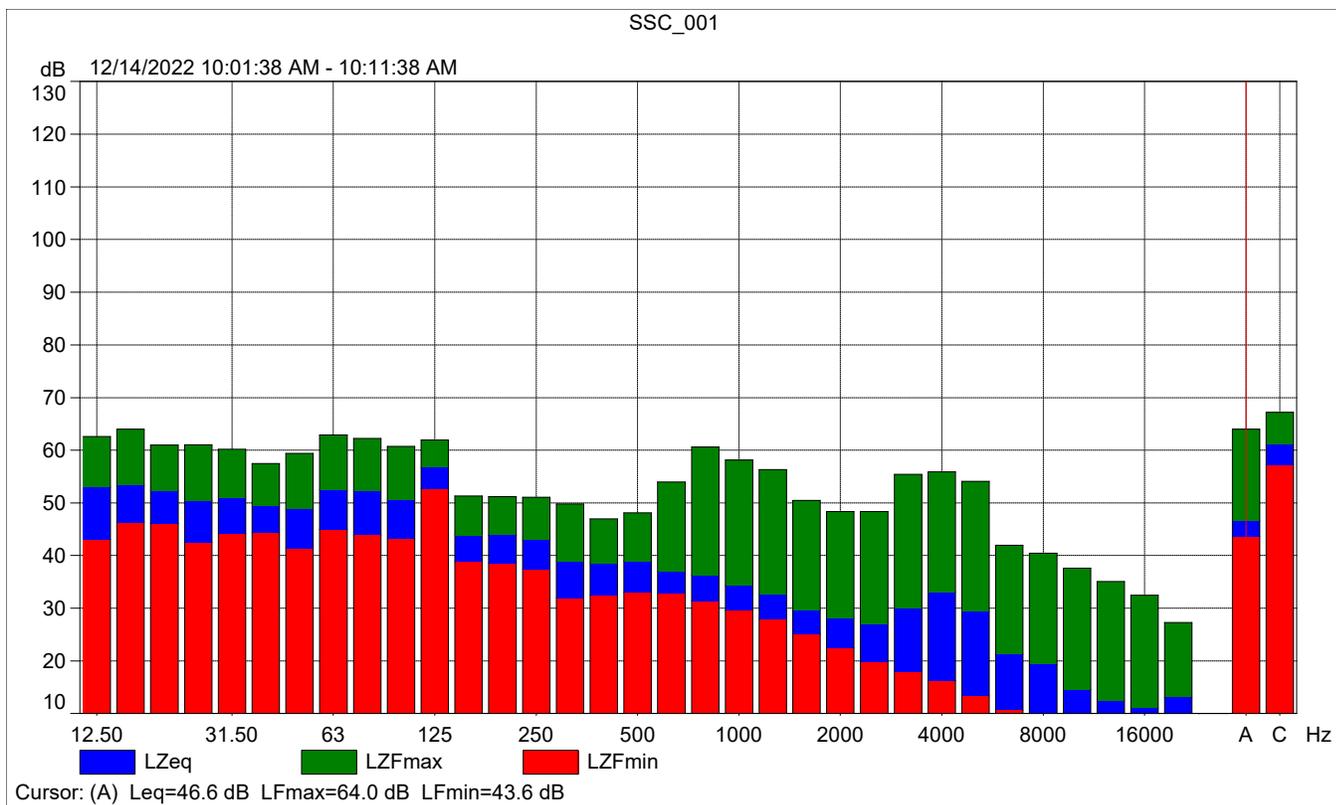
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

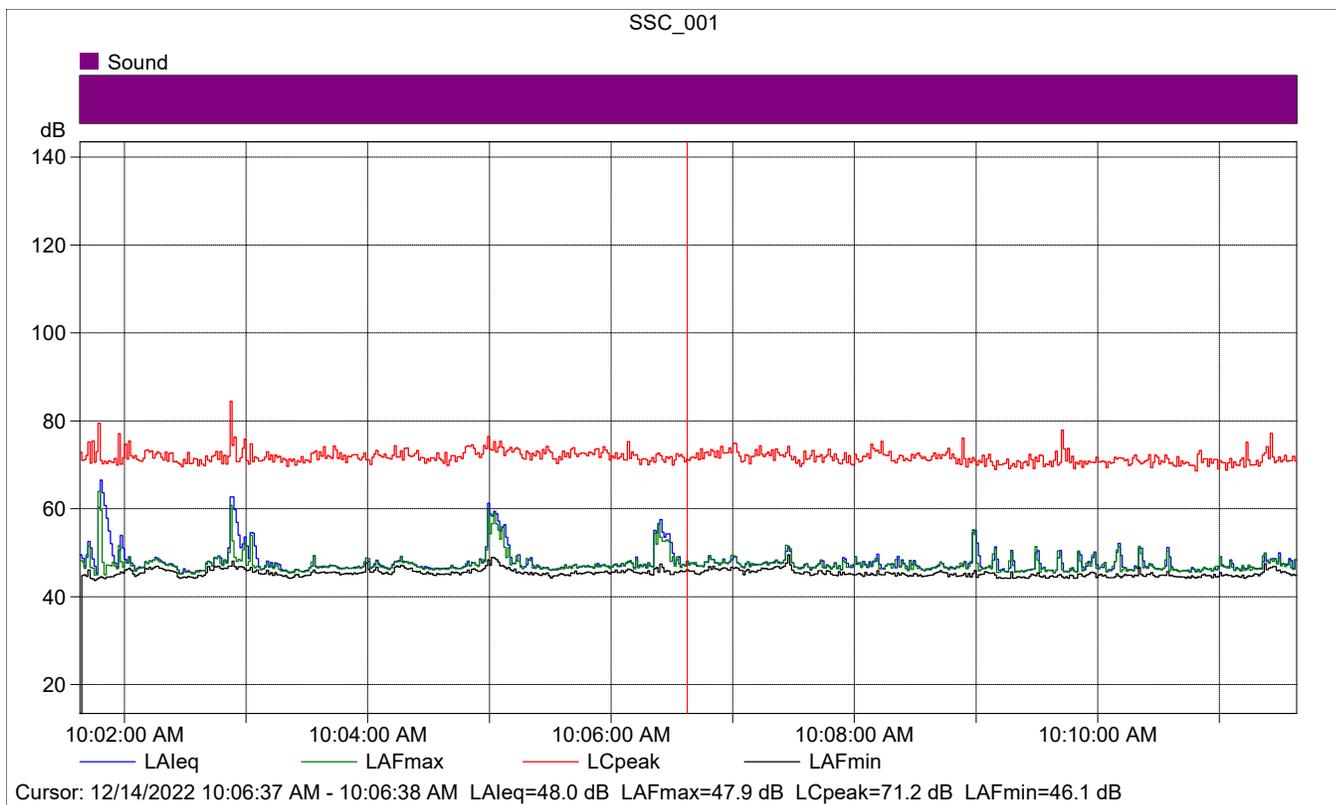
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_001

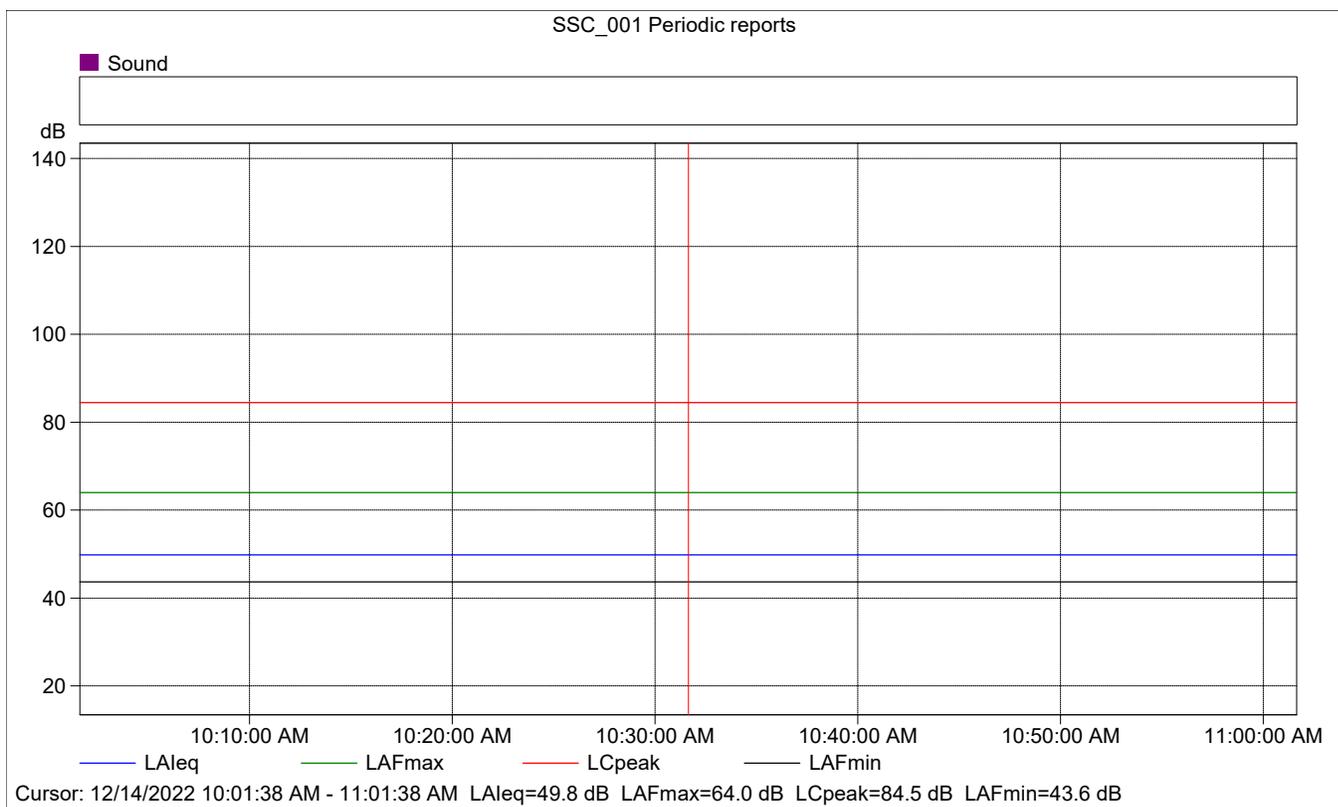
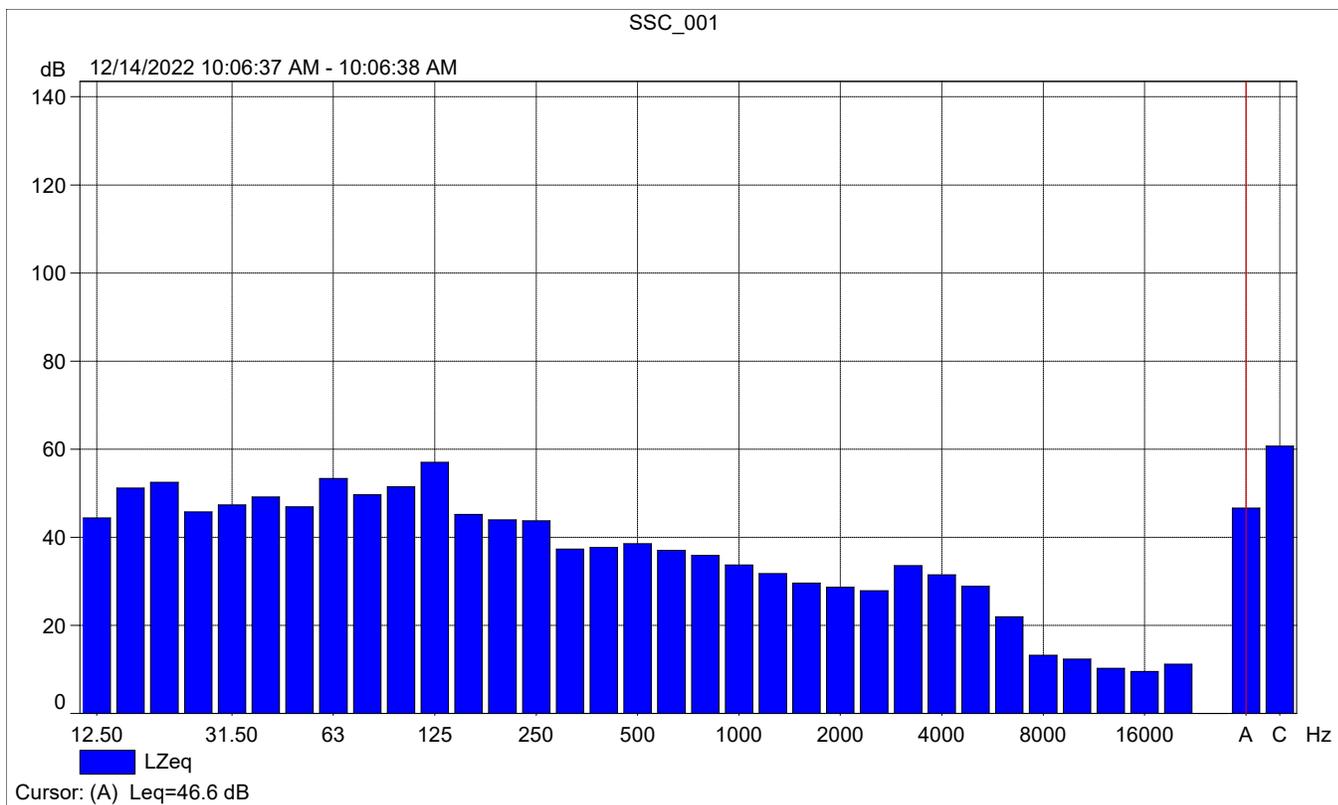
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>A</sub> F <sub>max</sub> [dB]	L <sub>A</sub> F <sub>min</sub> [dB]
Value				0.00	46.6	64.0	43.6
Time	10:01:38 AM	10:11:38 AM	0:10:00				
Date	12/14/2022	12/14/2022					





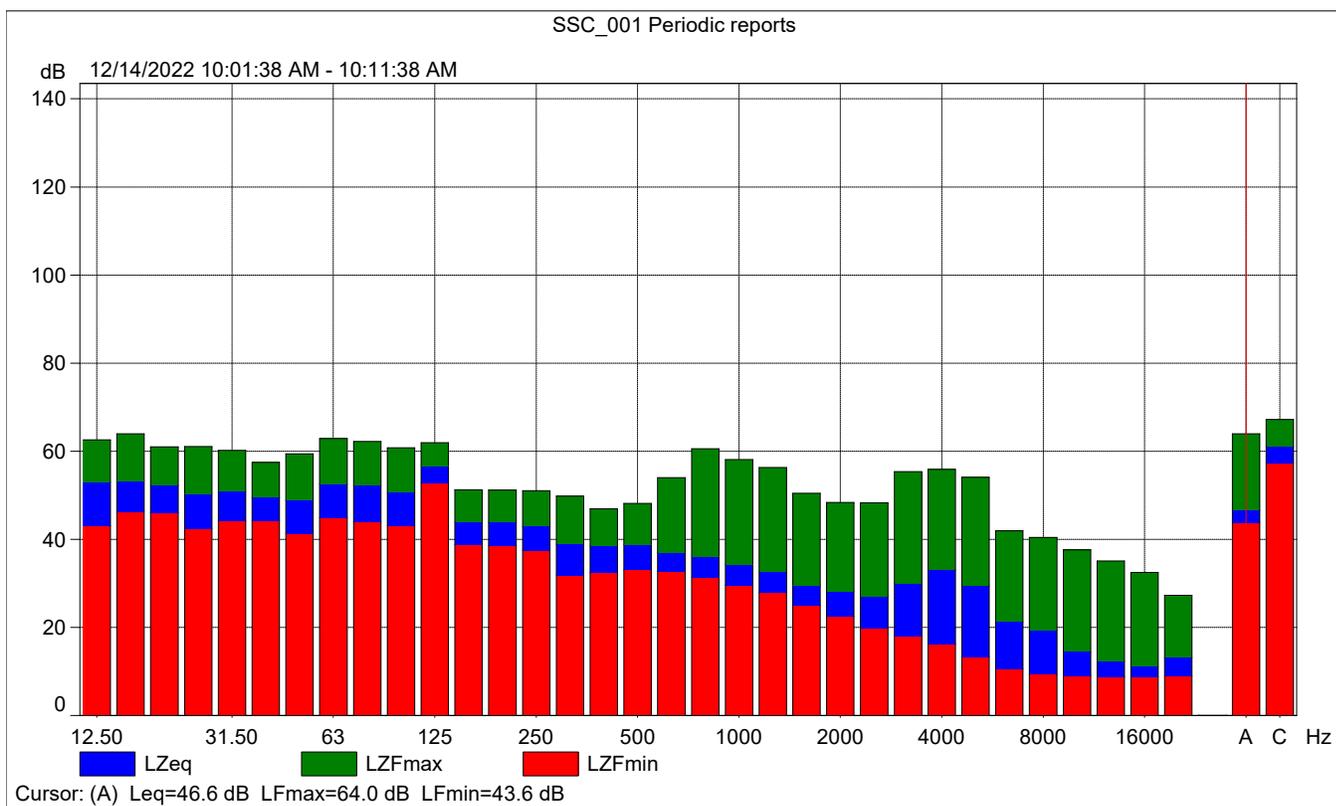
### SSC\_001

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			48.0	47.9	46.1
Time	10:06:37 AM	0:00:01			
Date	12/14/2022				



### SSC\_001 Periodic reports

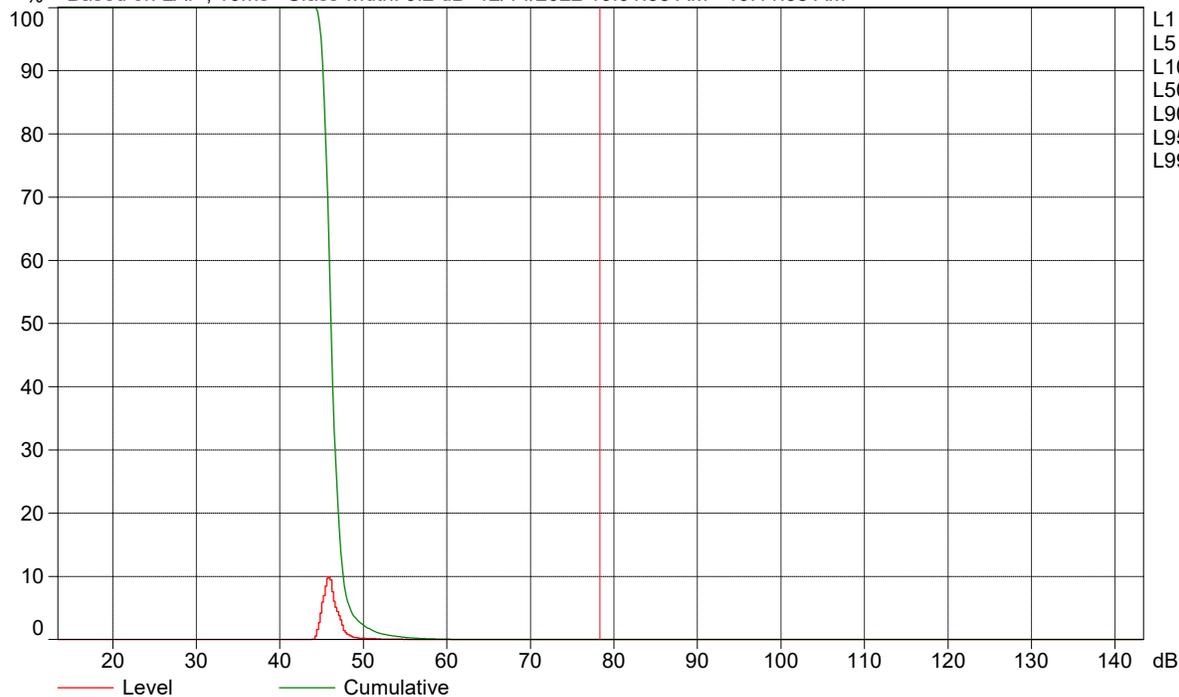
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	49.8	64.0	43.6
Time	10:01:38 AM	0:10:00				
Date	12/14/2022					





SSC\_001 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/14/2022 10:01:38 AM - 10:11:38 AM



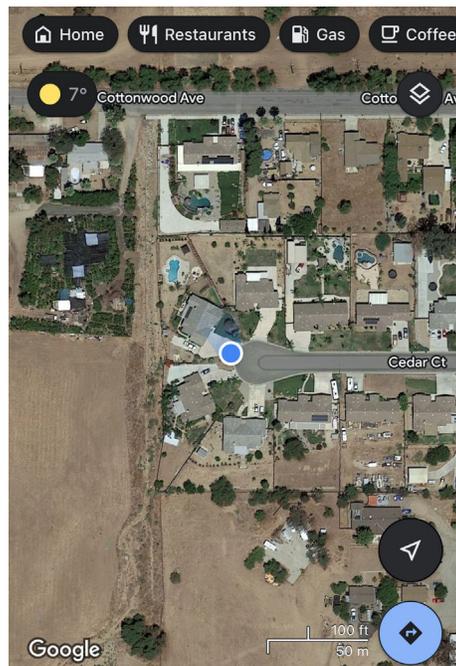
- L1 = 51.8 dB
- L5 = 48.3 dB
- L10 = 47.5 dB
- L50 = 46.0 dB
- L90 = 45.0 dB
- L95 = 44.8 dB
- L99 = 44.4 dB

Cursor: [78.2 ; 78.4] dB Level: 0.0% Cumulative: 0.0%

<b>Site Number:</b> NM-2			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 10:16 a.m.			
<b>Location:</b> On the sidewalk in front of 27258 Cedar Street residence			
<b>Source of Ambient Noise:</b> Traffic noise along Cedar Street			
<b>Source of Peak Noise:</b> Car igniting and warming up on the driveway.			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
48.7	65.7	42.3	89.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Clear		
	<b>Note:</b> dBA Offset = 0.02			<b>Sensor Height (ft):</b> 5 ft		
	<b>Wind Ave Speed (mph / m/s)</b>		<b>Temperature (degrees Fahrenheit)</b>		<b>Barometer Pressure (inches)</b>	
	2 mph		50		30.19	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 10:15:42
End Time:		12/14/2022 10:25:42
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

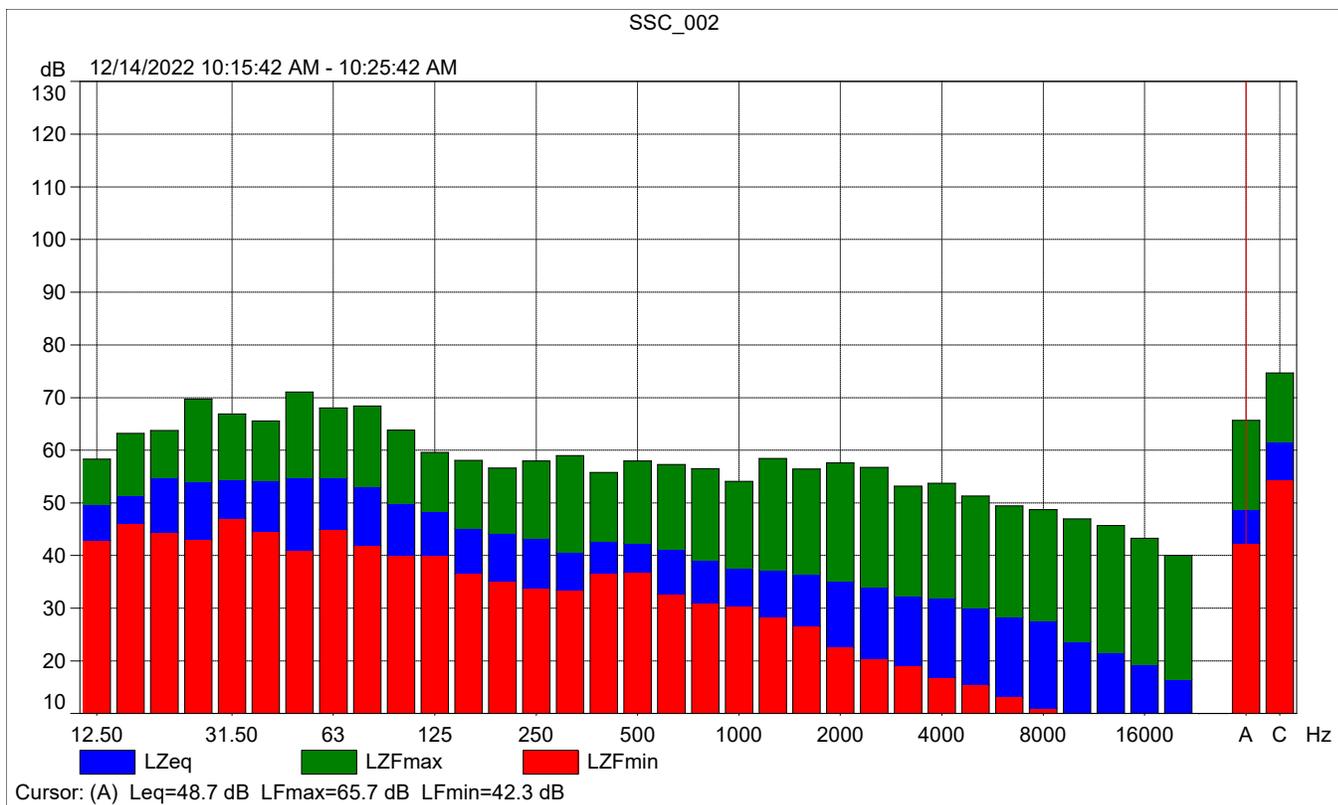
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

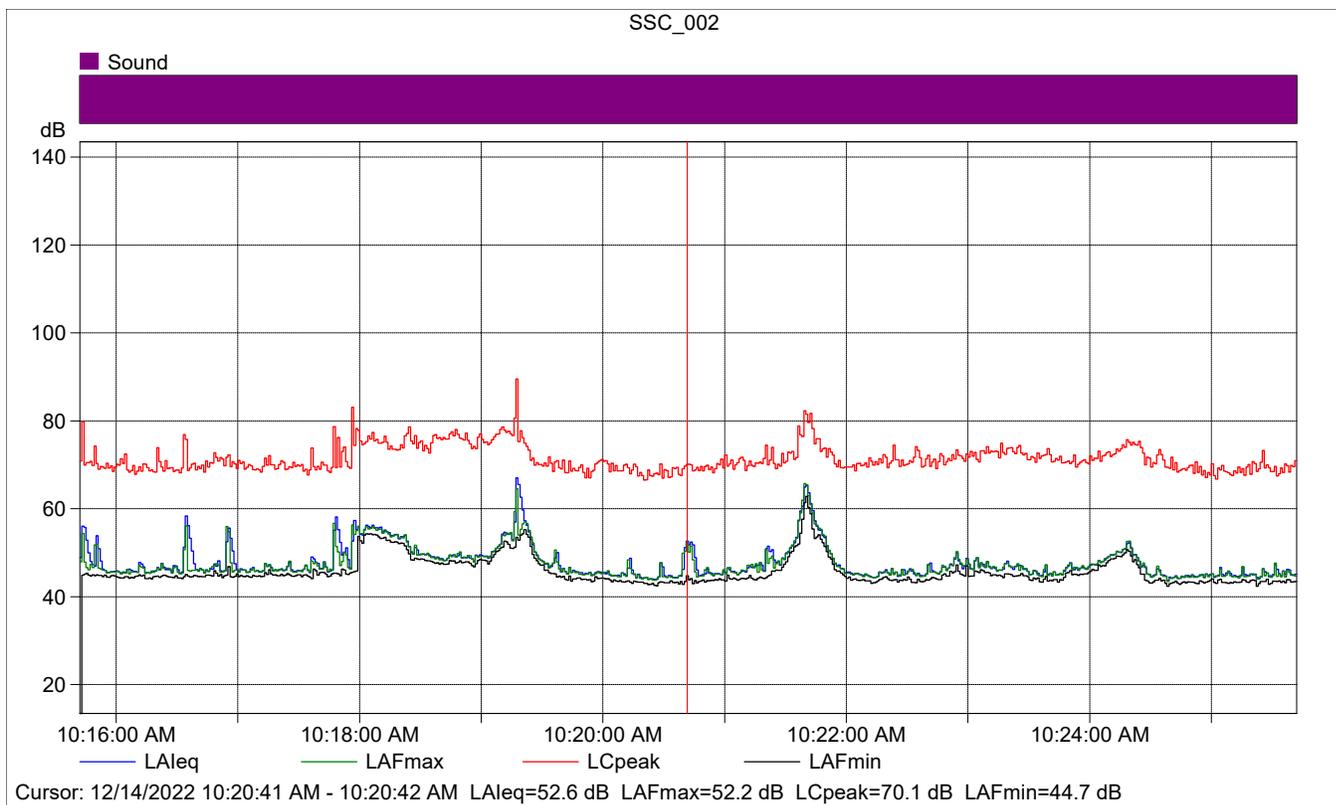
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_002

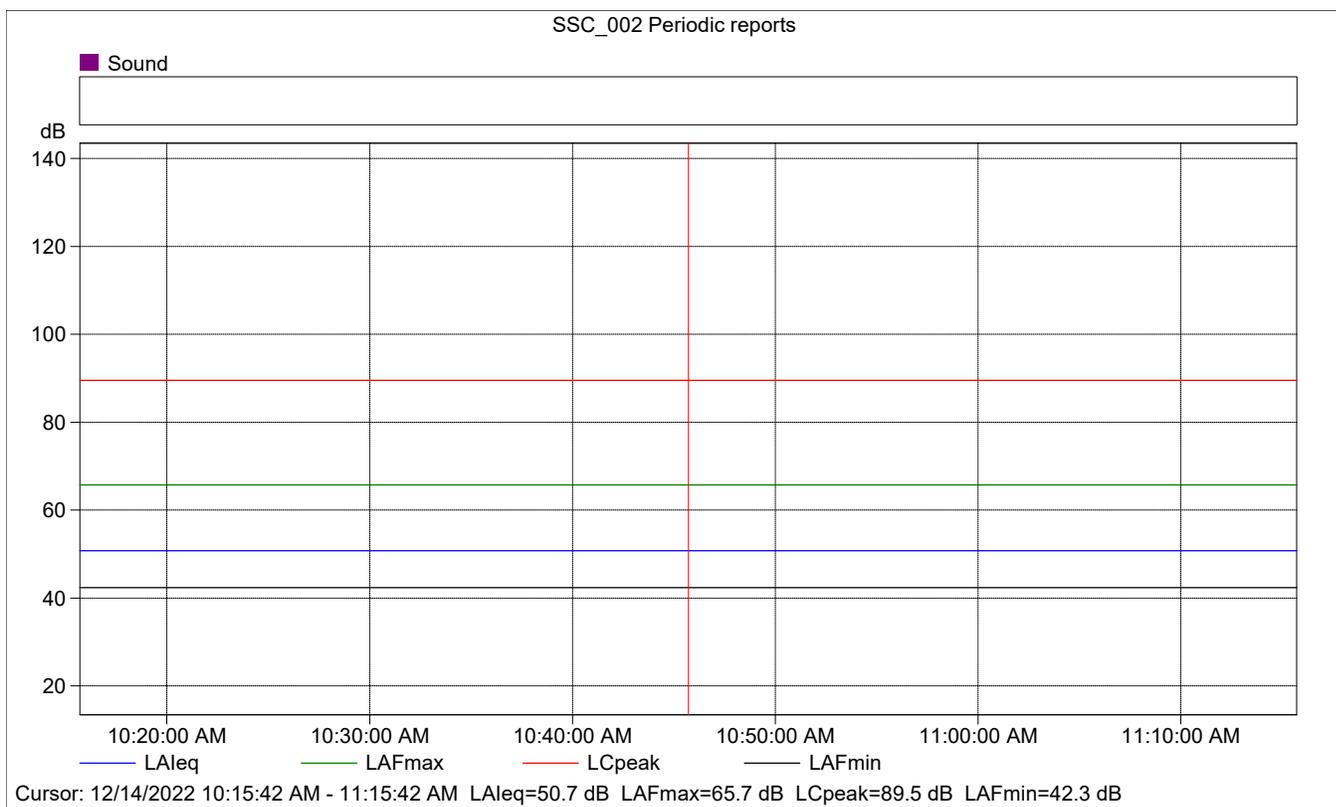
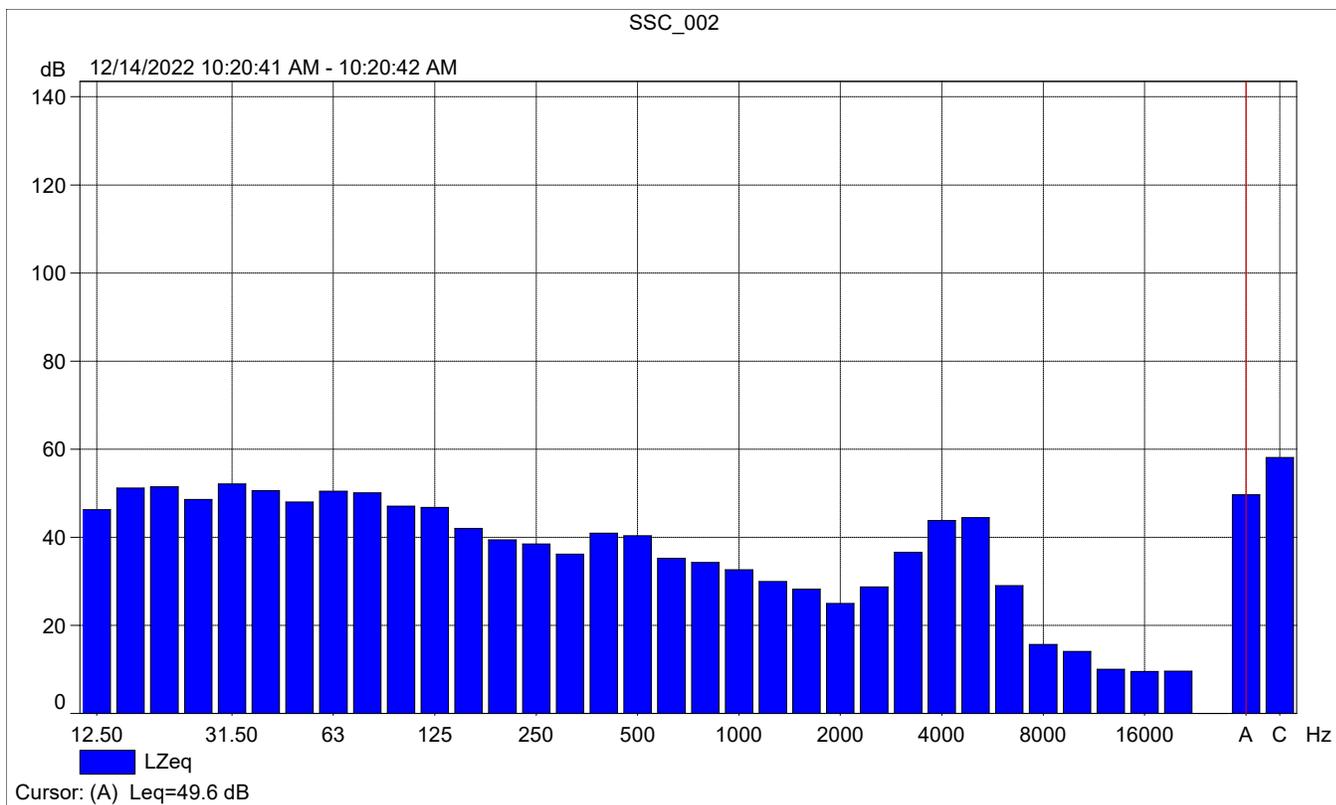
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	48.7	65.7	42.3
Time	10:15:42 AM	10:25:42 AM	0:10:00				
Date	12/14/2022	12/14/2022					





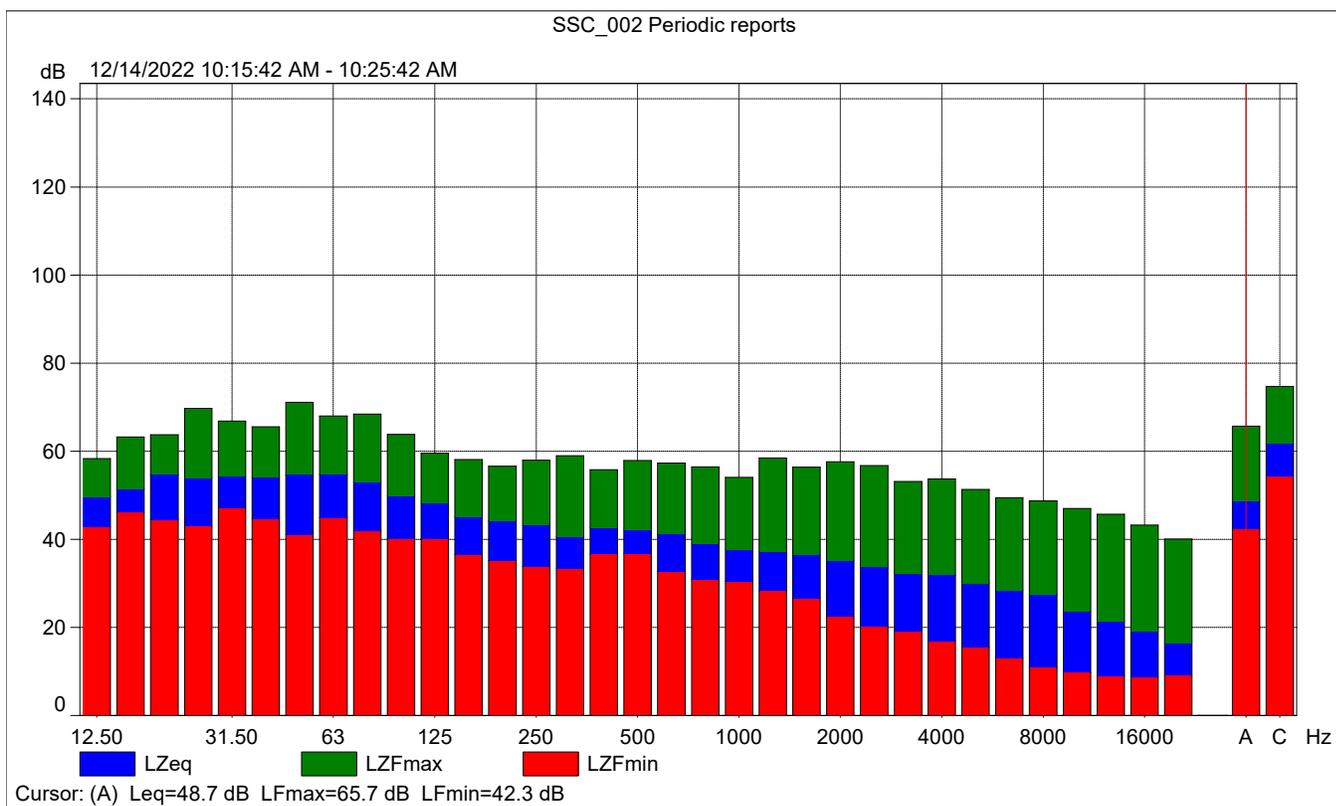
### SSC\_002

	Start time	Elapsed time	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			52.6	52.2	44.7
Time	10:20:41 AM	0:00:01			
Date	12/14/2022				



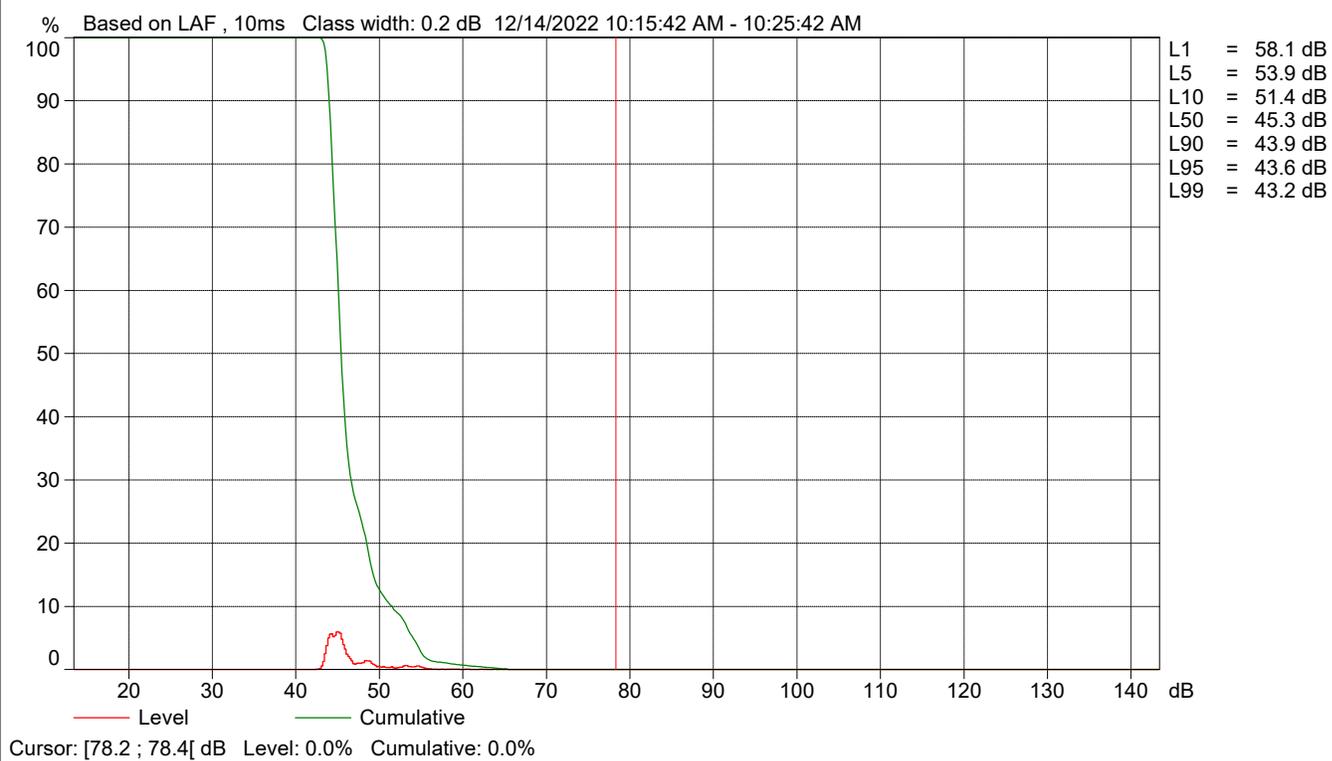
### SSC\_002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	50.7	65.7	42.3
Time	10:15:42 AM	0:10:00				
Date	12/14/2022					





SSC\_002 Periodic reports



<b>Site Number:</b> NM-3			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 10:30 a.m.			
<b>Location:</b> Along the northern property line of 27132 Cottonwood Avenue			
<b>Source of Ambient Noise:</b> Traffic noise along Cottonwood Avenue and Nason Street			
<b>Source of Peak Noise:</b> Traffic noise along Cottonwood Avenue			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
62.2	79.4	41.4	97.6

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Clear		
	<b>Note:</b> dBA Offset = 0.02			<b>Sensor Height (ft):</b> 5 ft		
	<b>Wind Ave Speed (mph / m/s)</b>		<b>Temperature (degrees Fahrenheit)</b>		<b>Barometer Pressure (inches)</b>	
	2 mph		50		30.19	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 10:30:00
End Time:		12/14/2022 10:40:00
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

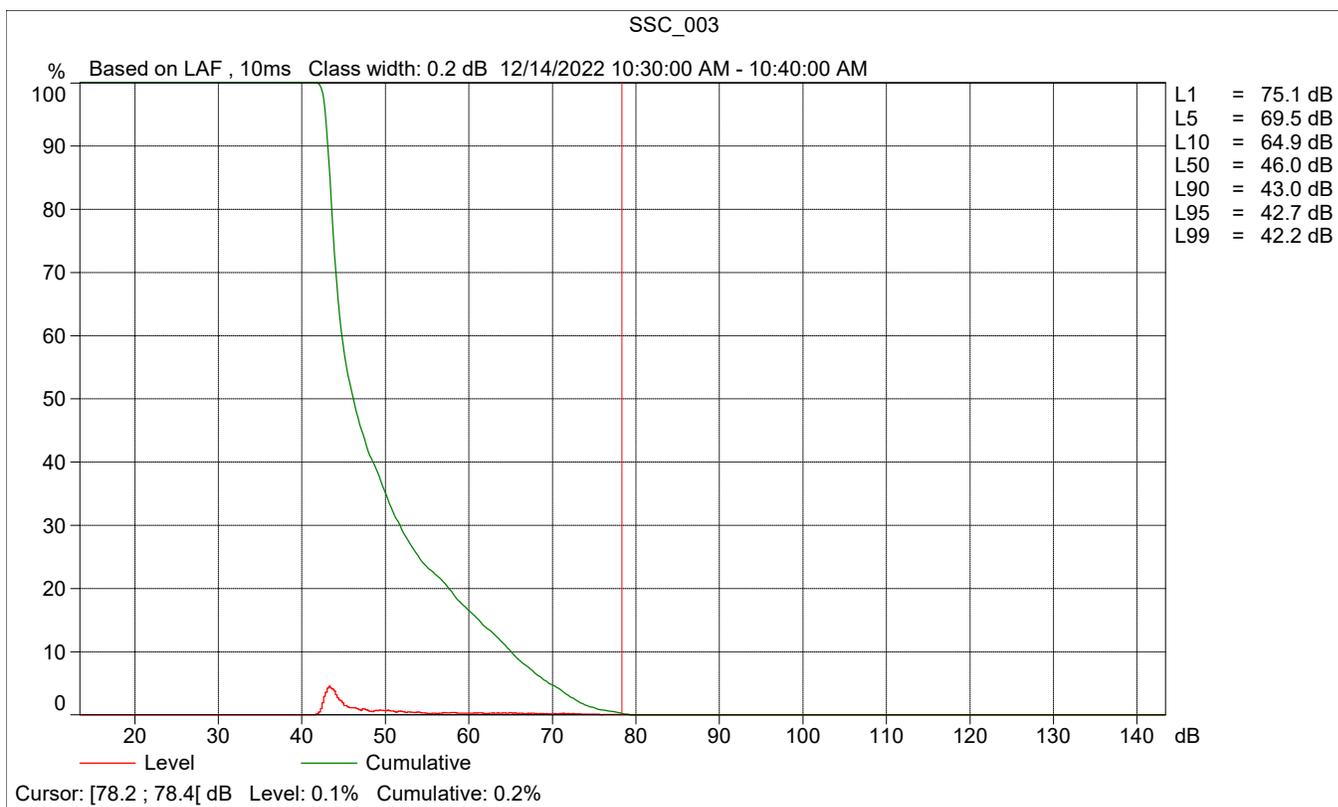
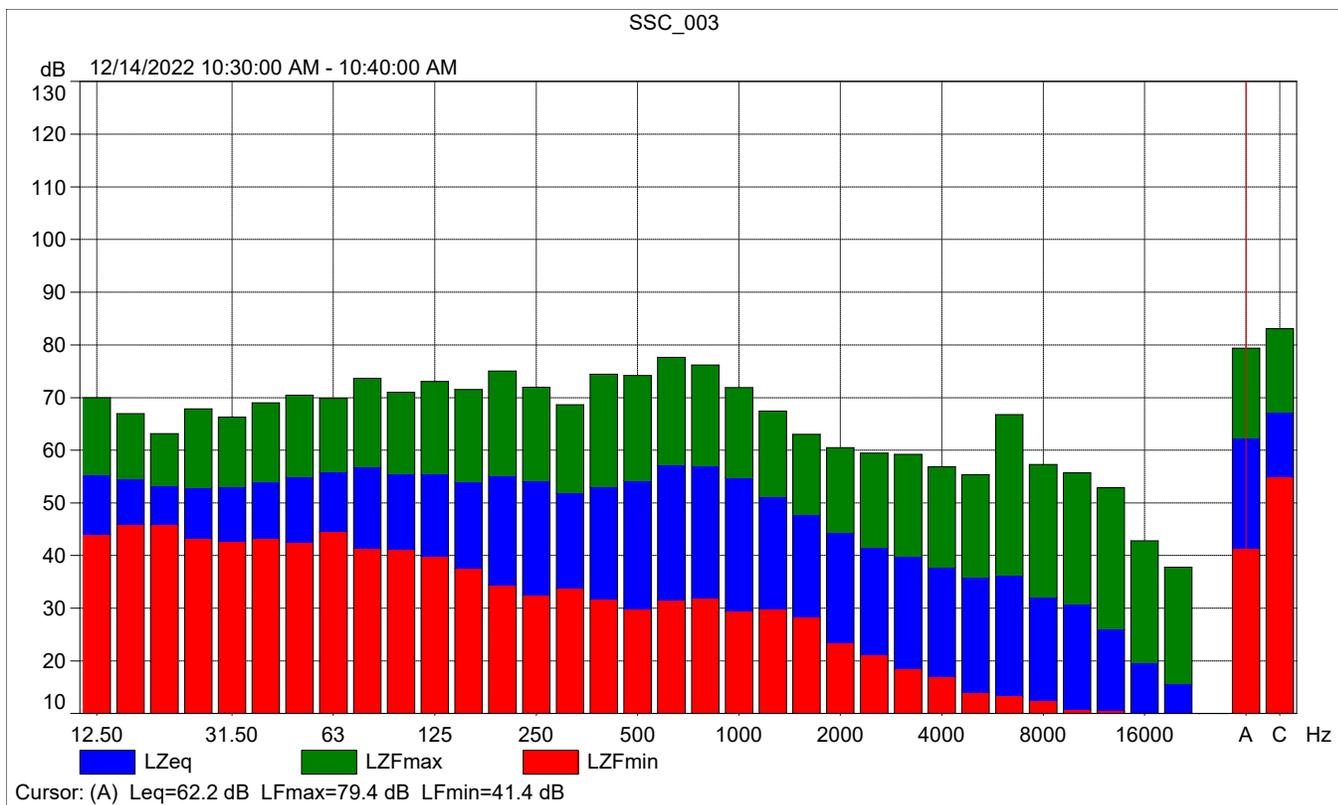
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

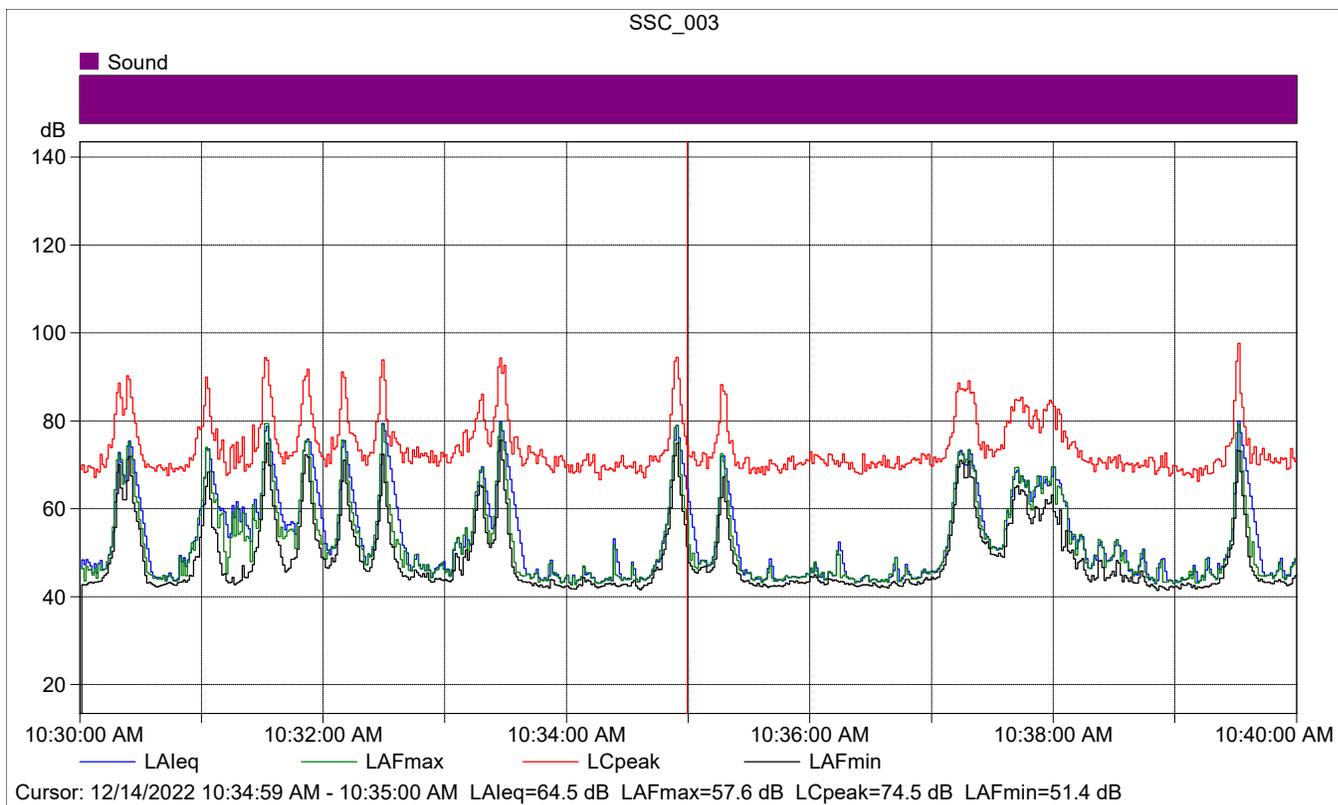
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_003

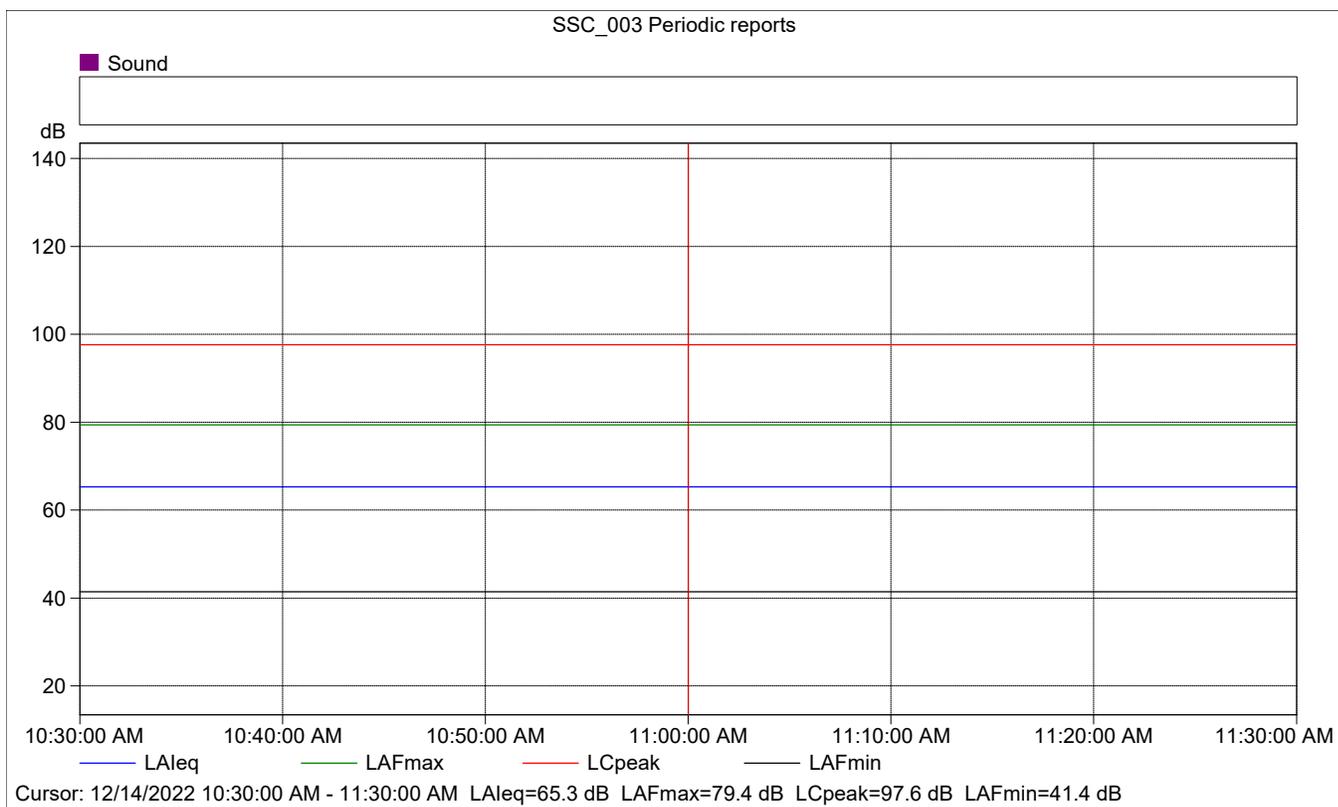
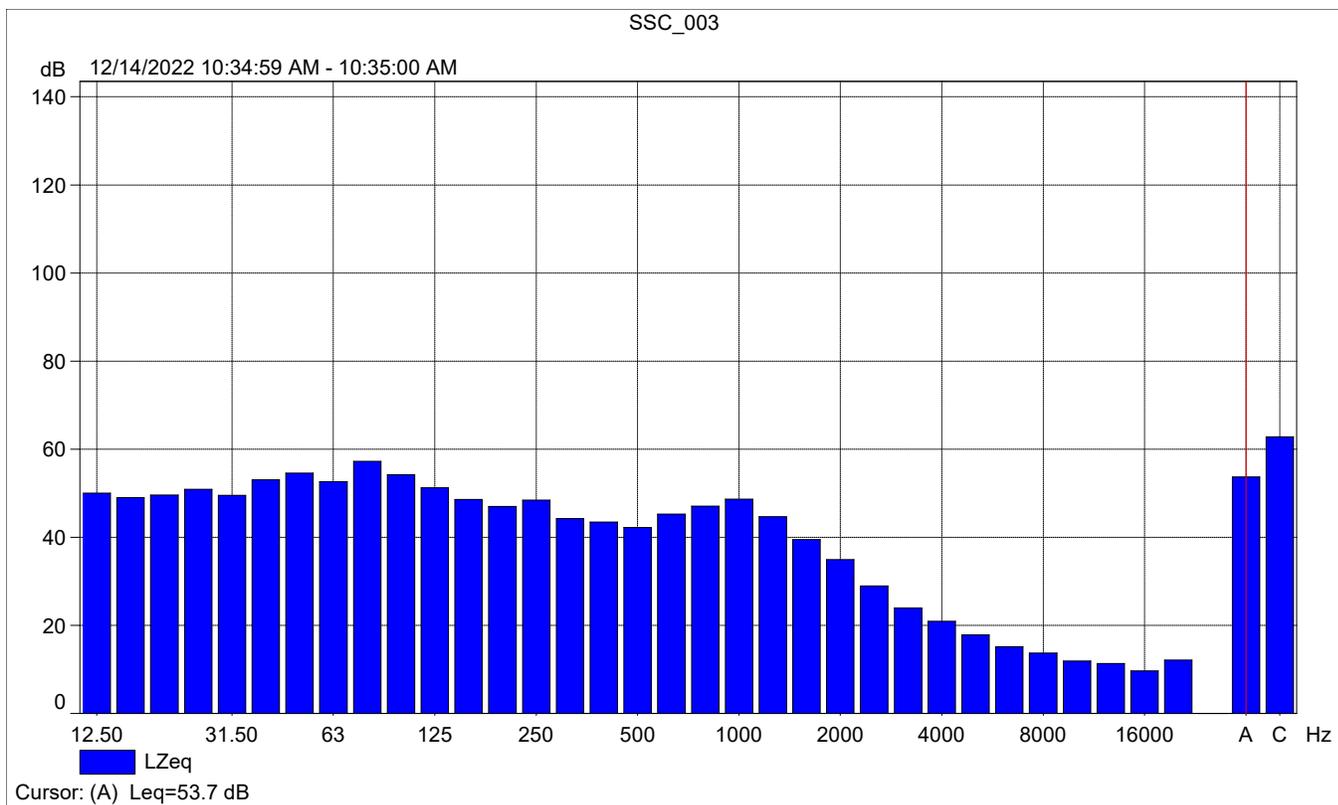
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	62.2	79.4	41.4
Time	10:30:00 AM	10:40:00 AM	0:10:00				
Date	12/14/2022	12/14/2022					





### SSC\_003

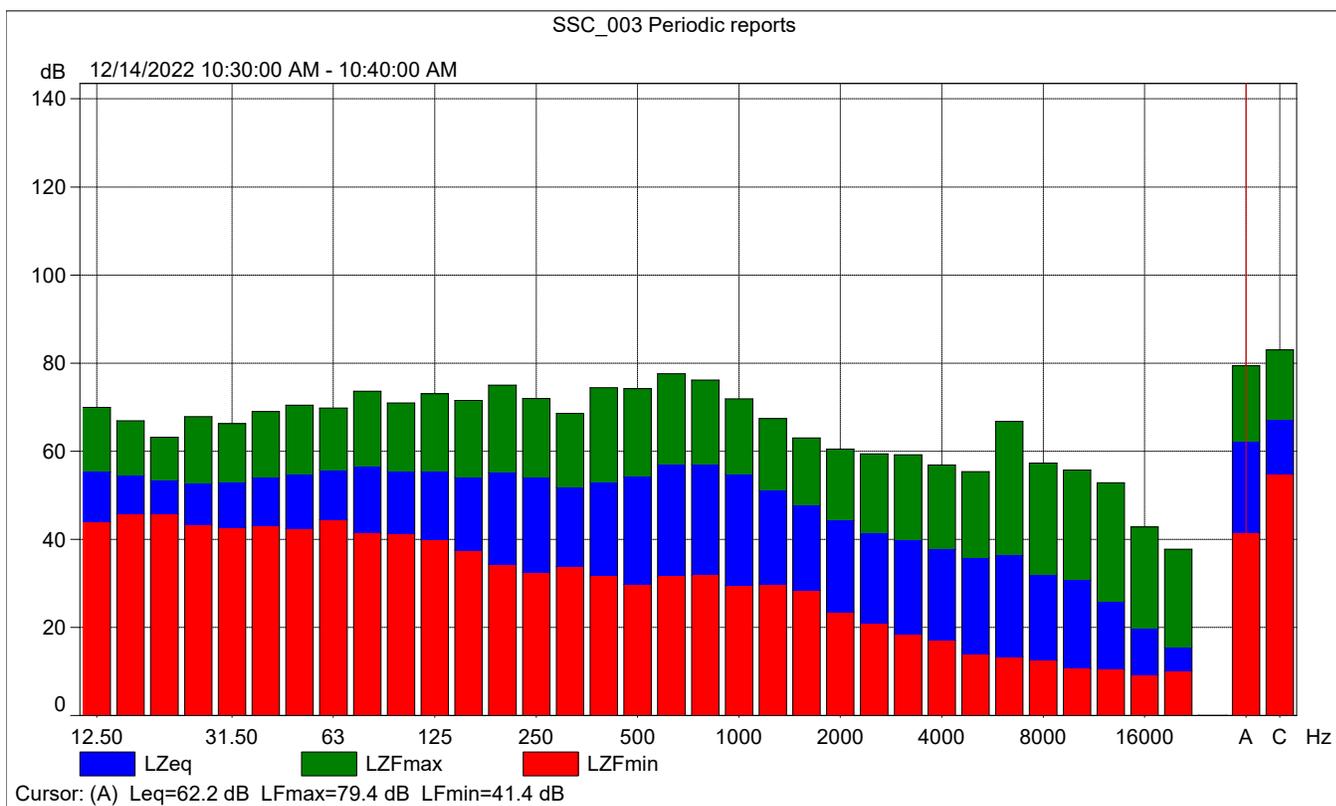
	Start time	Elapsed time	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			64.5	57.6	51.4
Time	10:34:59 AM	0:00:01			
Date	12/14/2022				





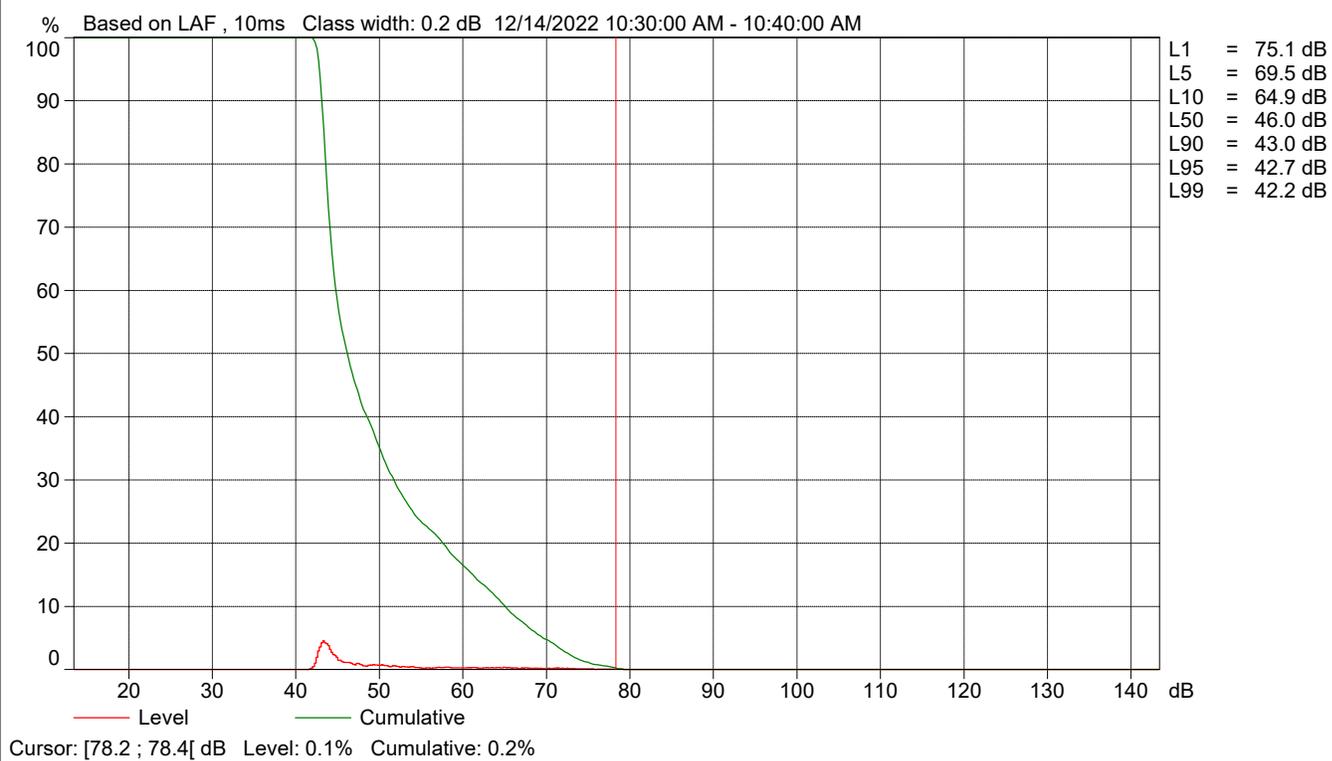
### SSC\_003 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	65.3	79.4	41.4
Time	10:30:00 AM	0:10:00				
Date	12/14/2022					





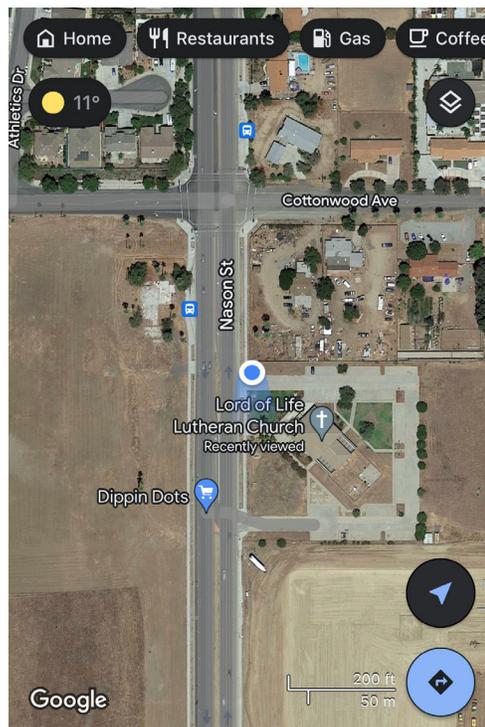
SSC\_003 Periodic reports



<b>Site Number:</b> NM-4			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 10:46 a.m.			
<b>Location:</b> Along the sidewalk of Nason Street, in front of Lord of Life Lutheran Church			
<b>Source of Ambient Noise:</b> Traffic noise along Nason Street			
<b>Source of Peak Noise:</b> Trucks passing by along Nason Street			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
67.0	78.4	45.7	100.6

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	<b>Duration:</b> 10 minutes		<b>Sky:</b> Clear			
	<b>Note:</b> dBA Offset = 0.02		<b>Sensor Height (ft):</b> 5 ft			
	<b>Wind Ave Speed (mph / m/s)</b>	<b>Temperature (degrees Fahrenheit)</b>		<b>Barometer Pressure (inches)</b>		
	2 mph	50		30.19		

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 10:45:28
End Time:		12/14/2022 10:55:28
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

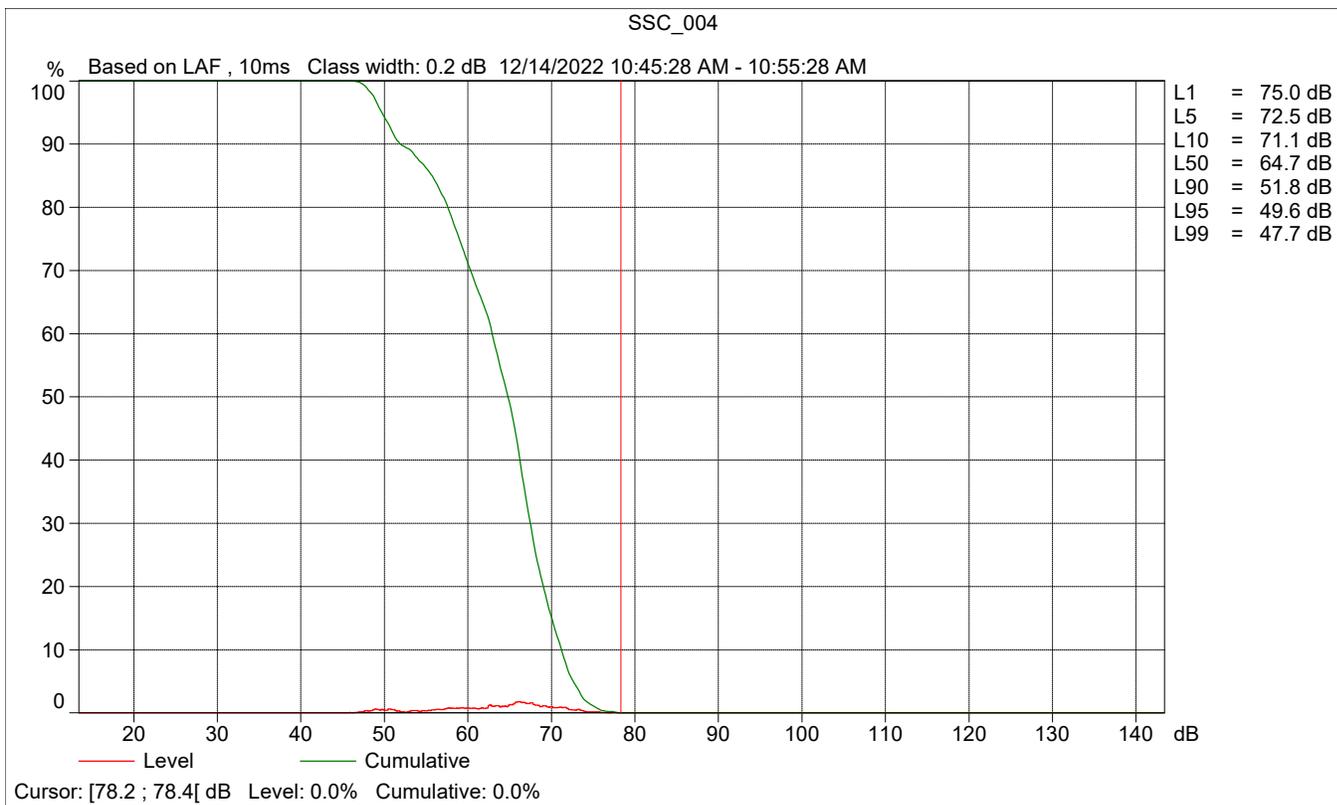
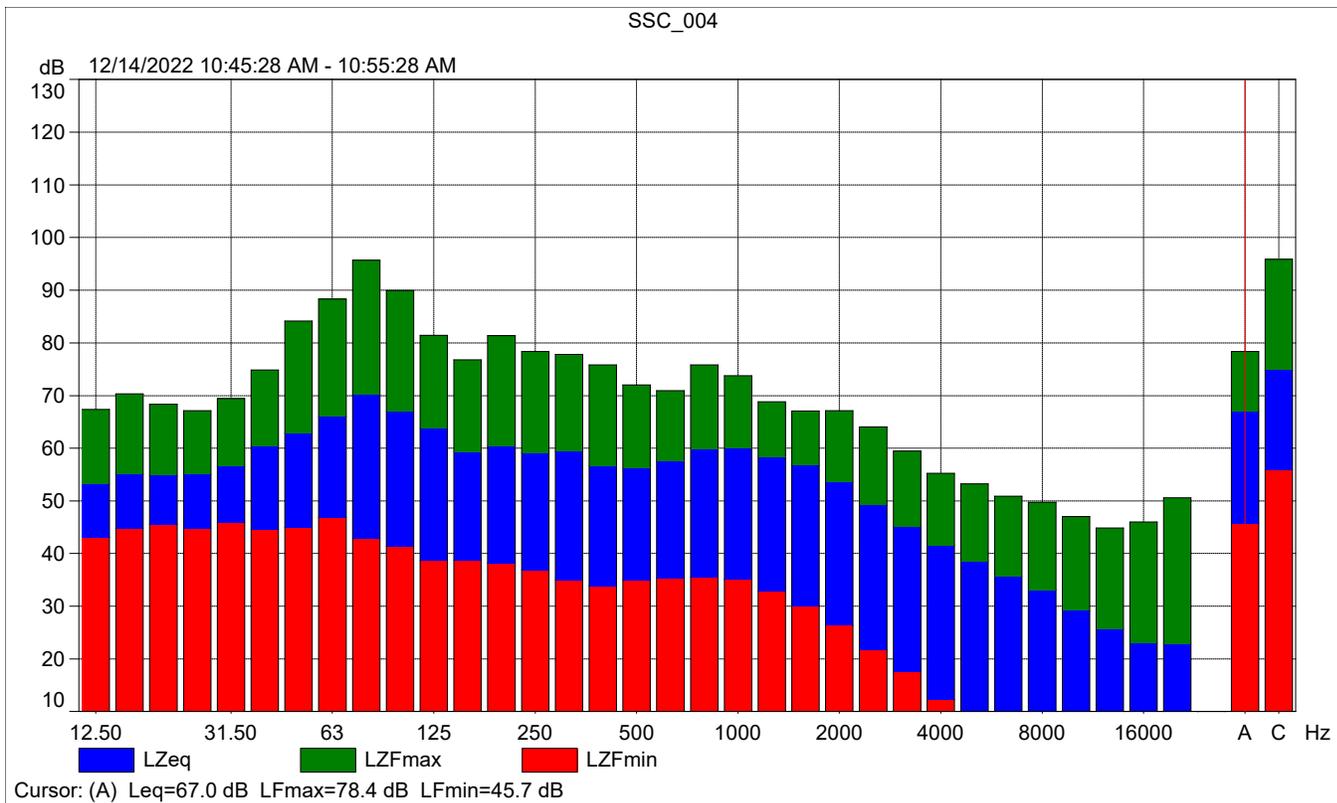
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

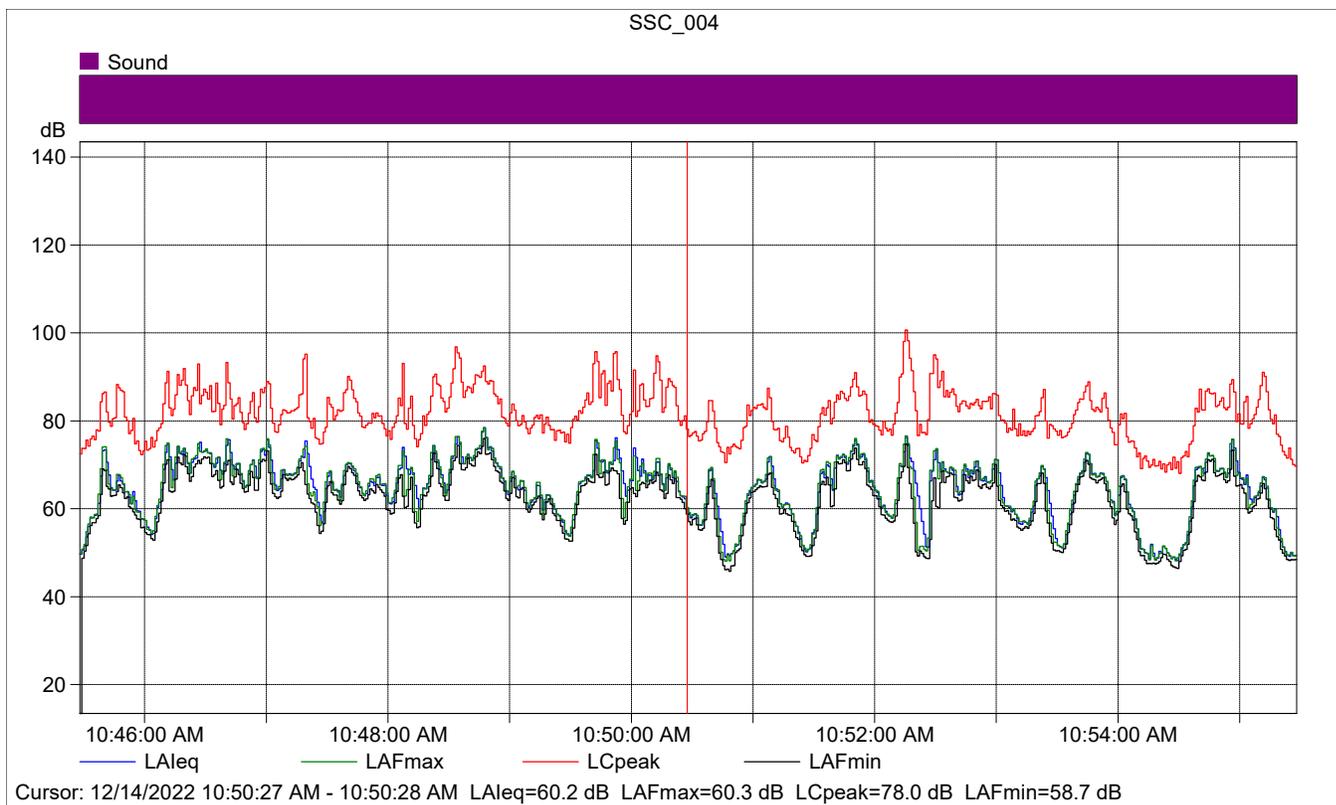
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_004

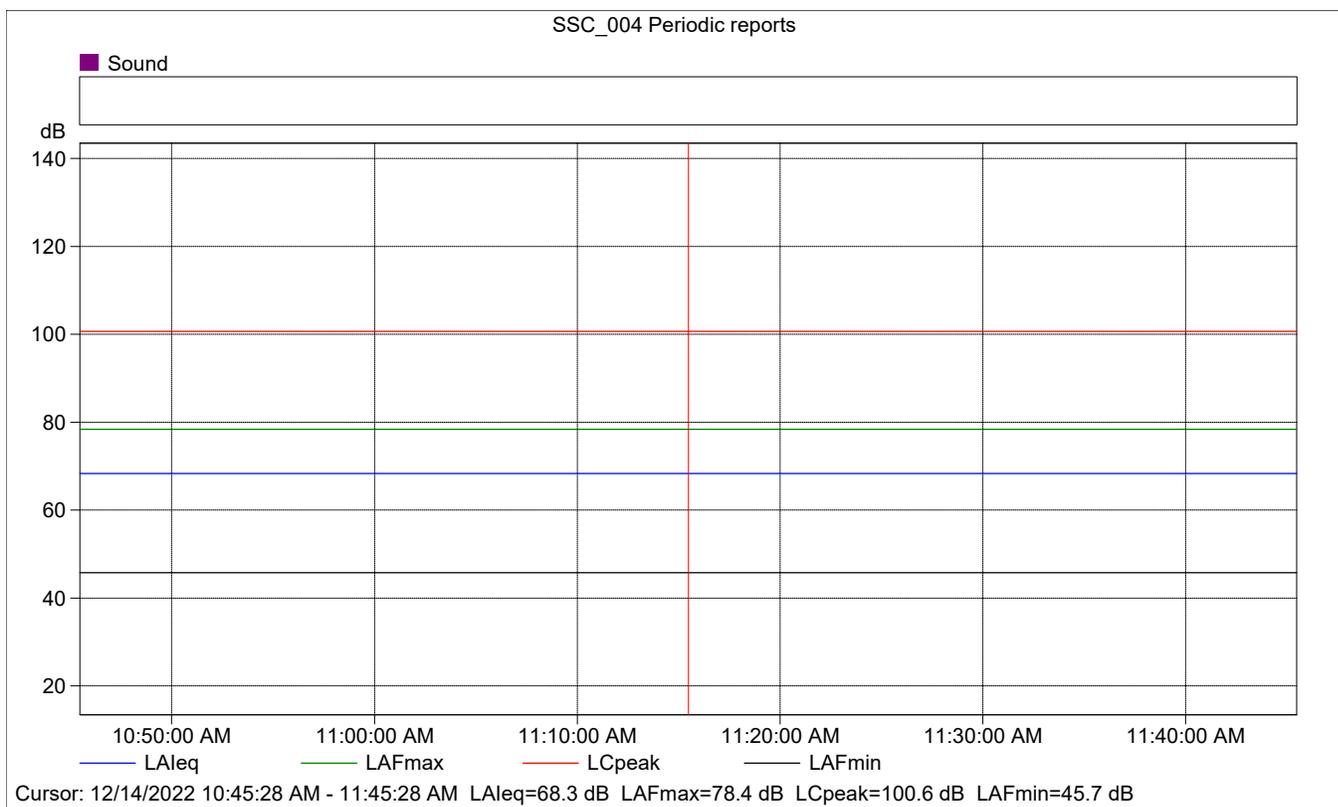
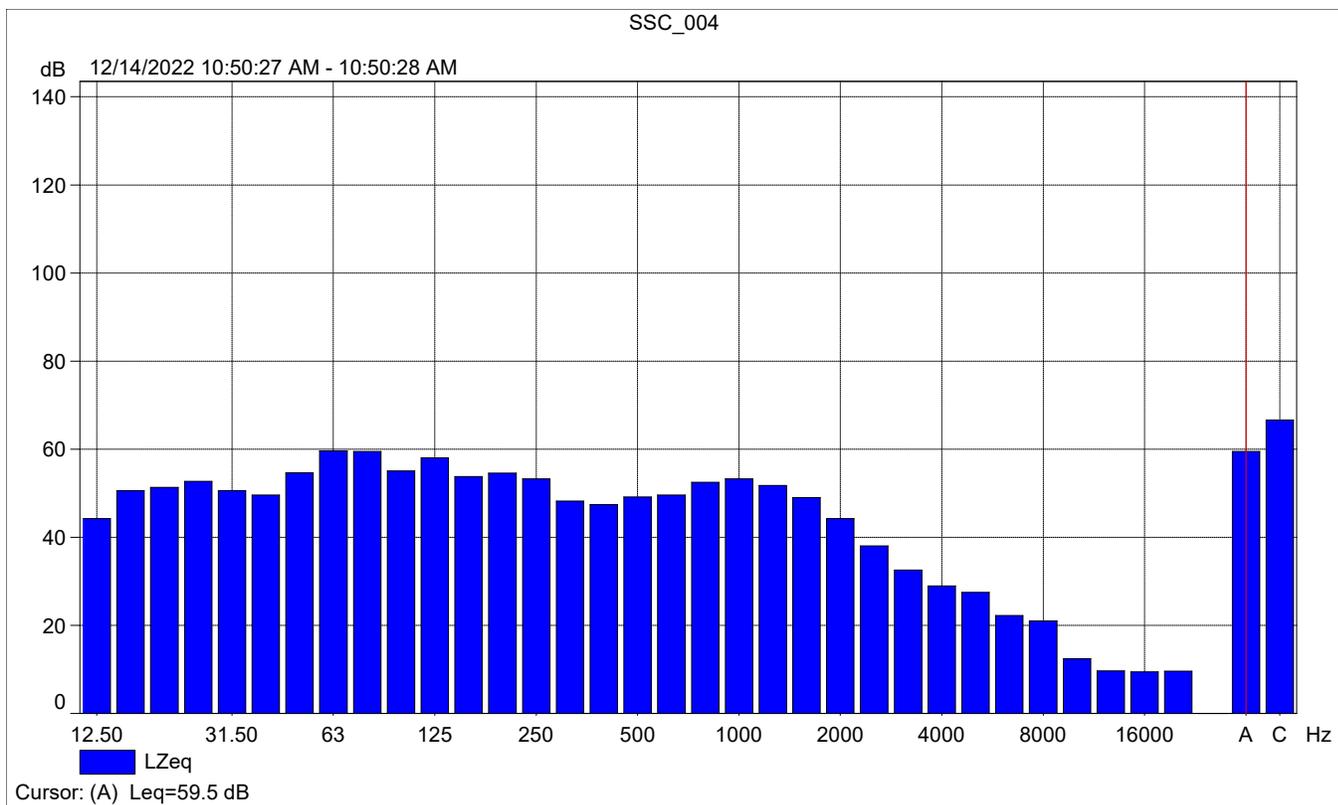
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	67.0	78.4	45.7
Time	10:45:28 AM	10:55:28 AM	0:10:00				
Date	12/14/2022	12/14/2022					





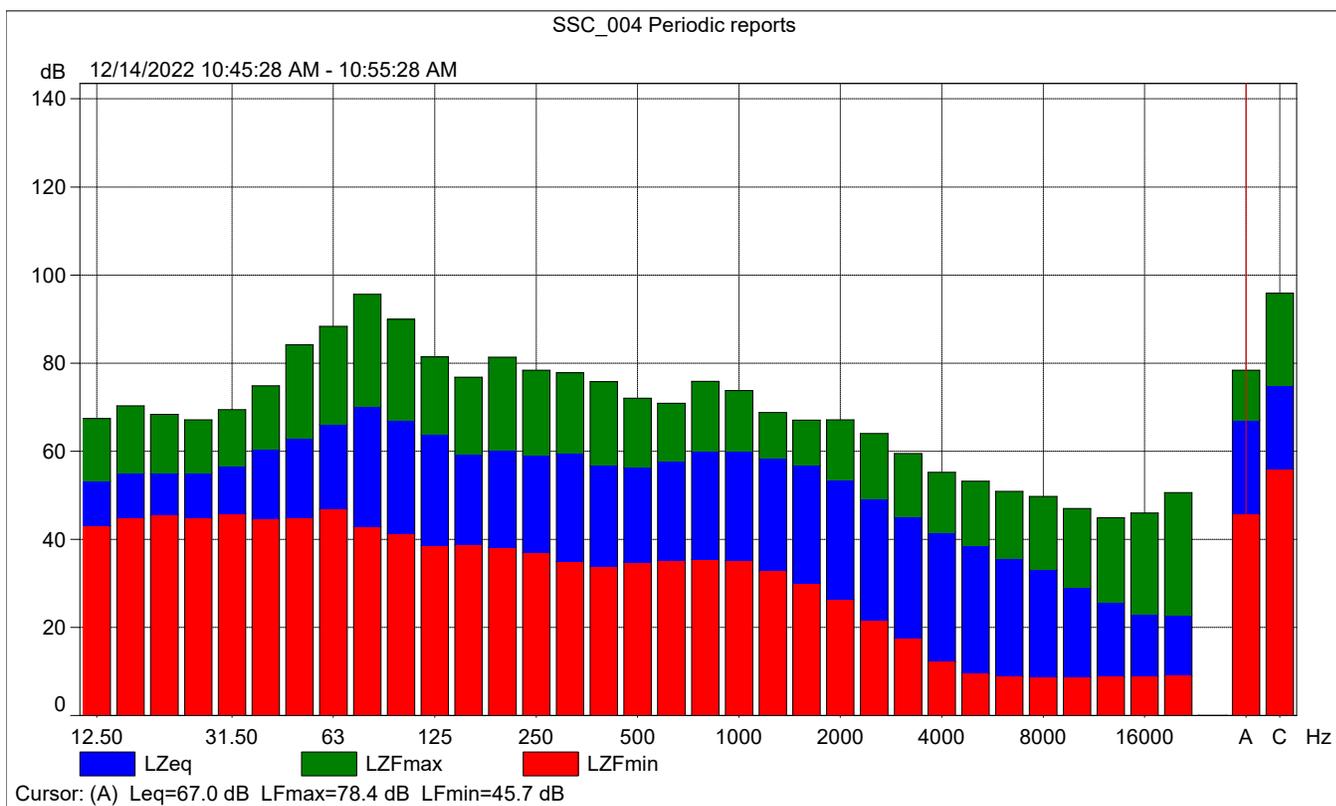
### SSC\_004

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			60.2	60.3	58.7
Time	10:50:27 AM	0:00:01			
Date	12/14/2022				



### SSC\_004 Periodic reports

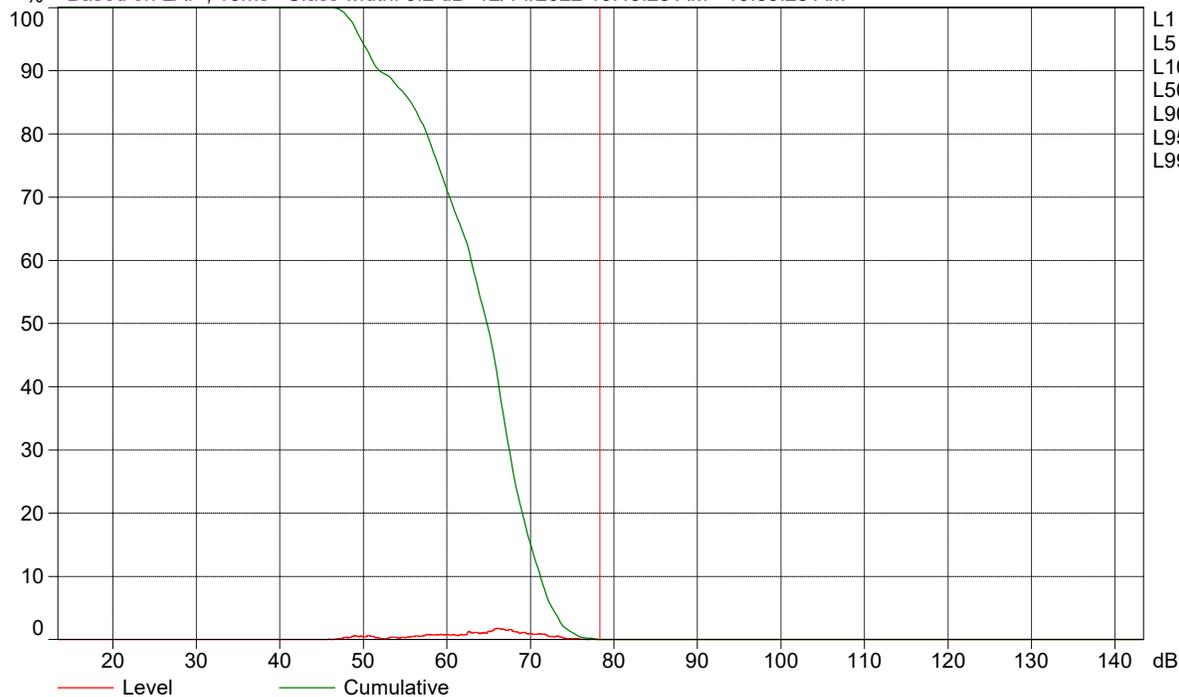
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	68.3	78.4	45.7
Time	10:45:28 AM	0:10:00				
Date	12/14/2022					





SSC\_004 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/14/2022 10:45:28 AM - 10:55:28 AM

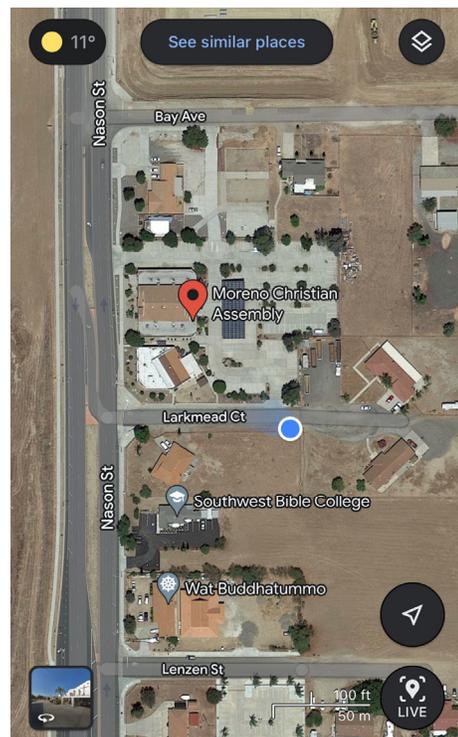


Cursor: [78.2 ; 78.4[ dB Level: 0.0% Cumulative: 0.0%

<b>Site Number:</b> NM-5			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 11:39 a.m.			
<b>Location:</b> On the sidewalk of Larkmead Court			
<b>Source of Ambient Noise:</b> Traffic noise along Nason Street			
<b>Source of Peak Noise:</b> NA			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
47.1	57.9	37.9	80.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.02			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	2 mph		50		30.19	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 11:38:22
End Time:		12/14/2022 11:48:22
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

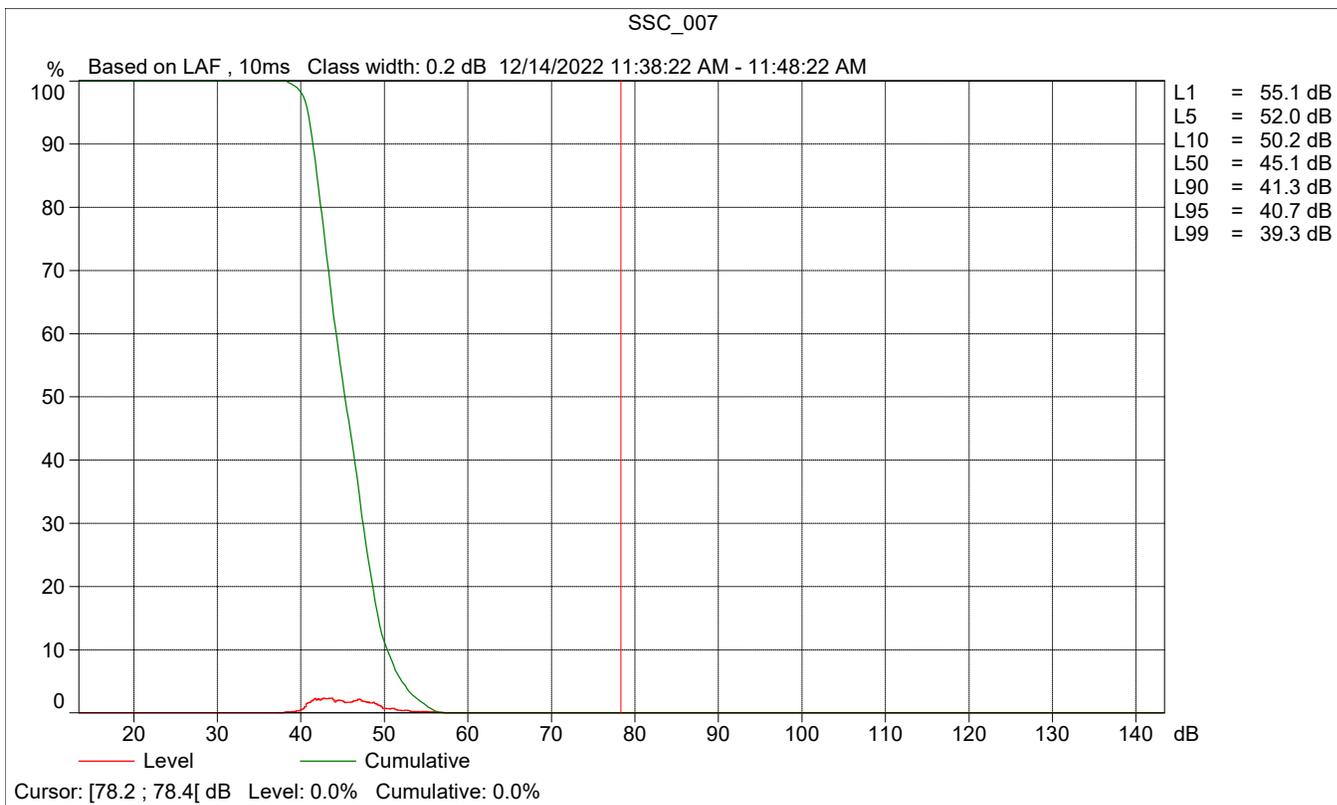
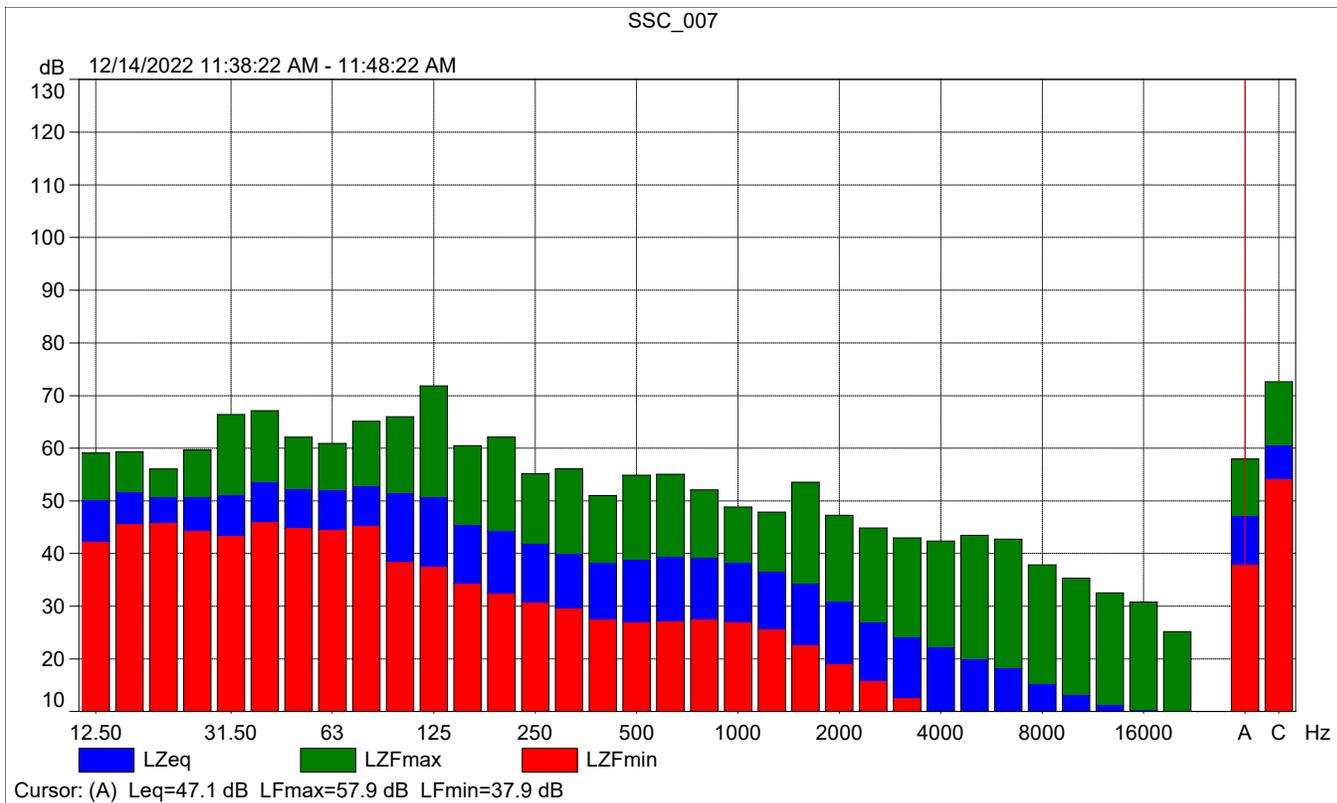
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

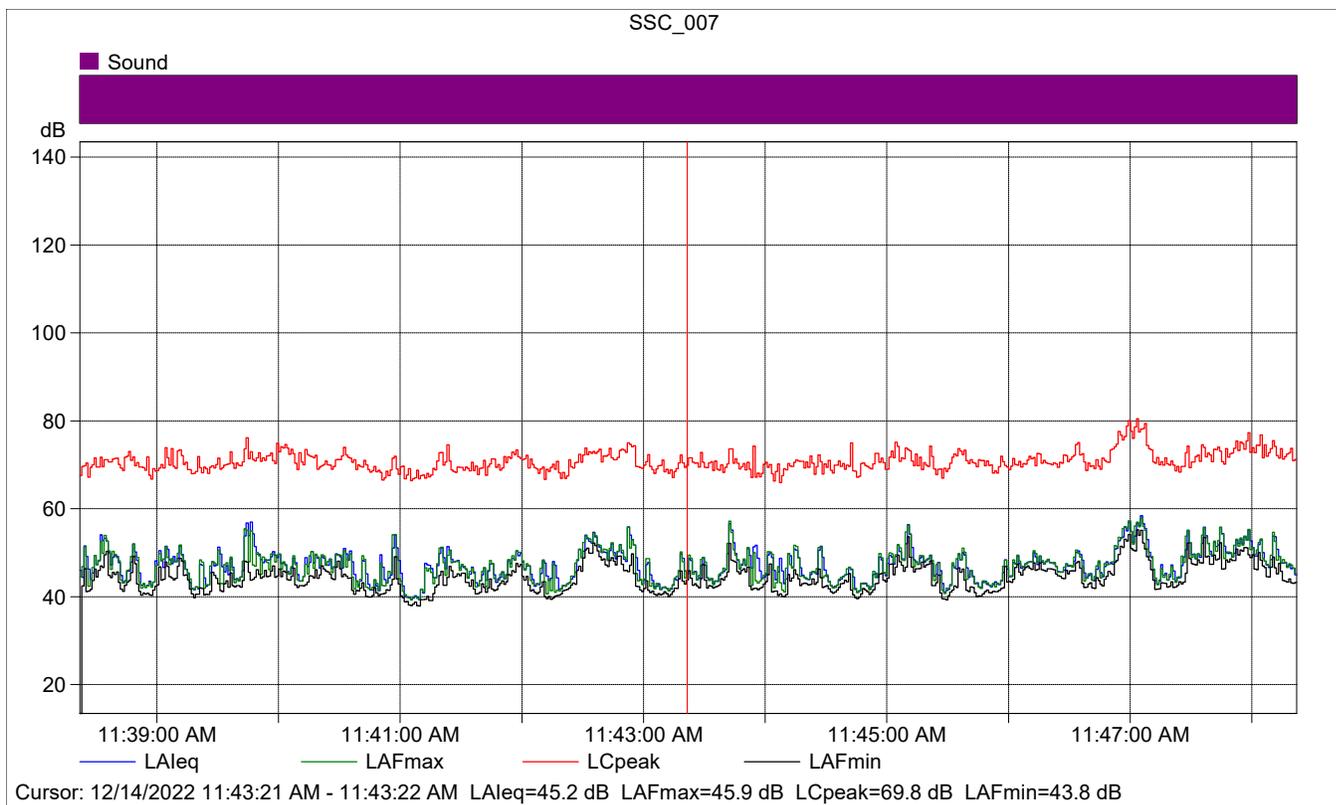
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_007

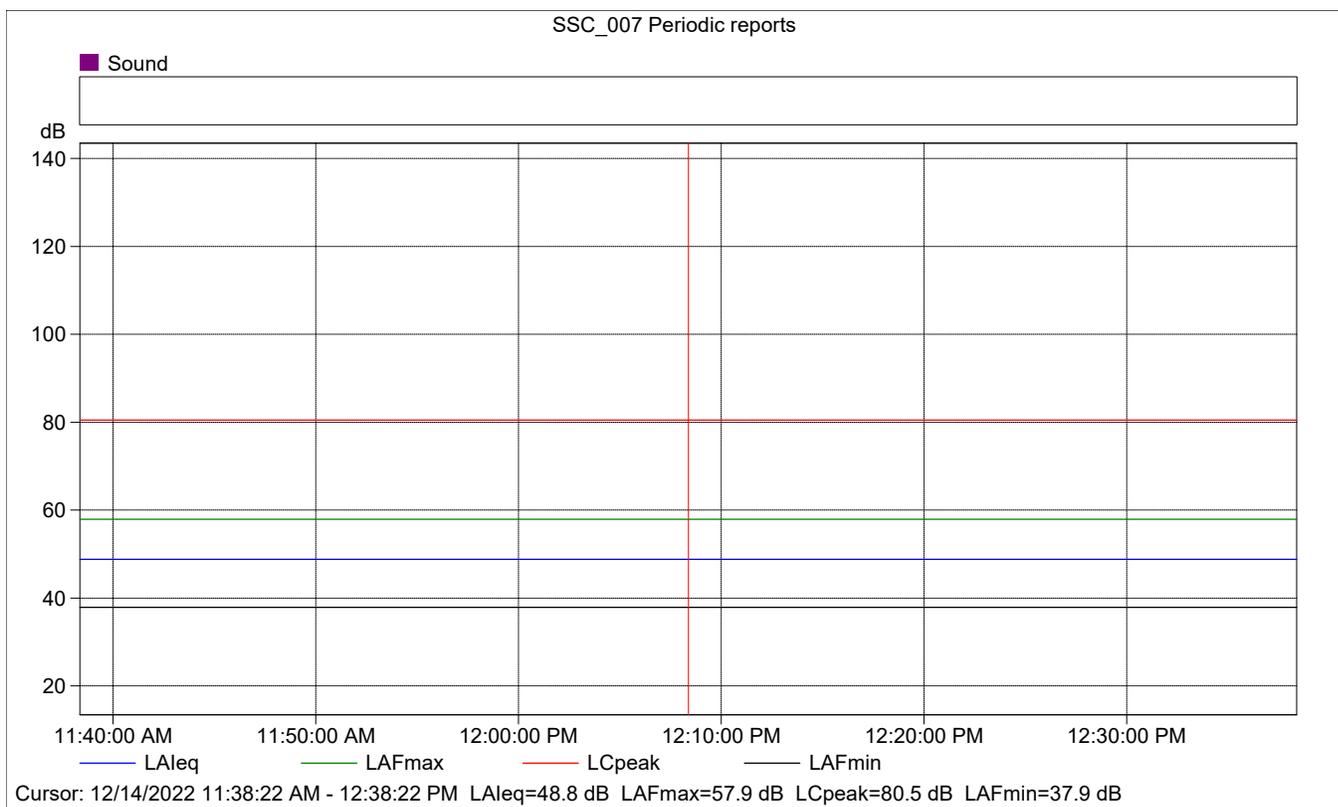
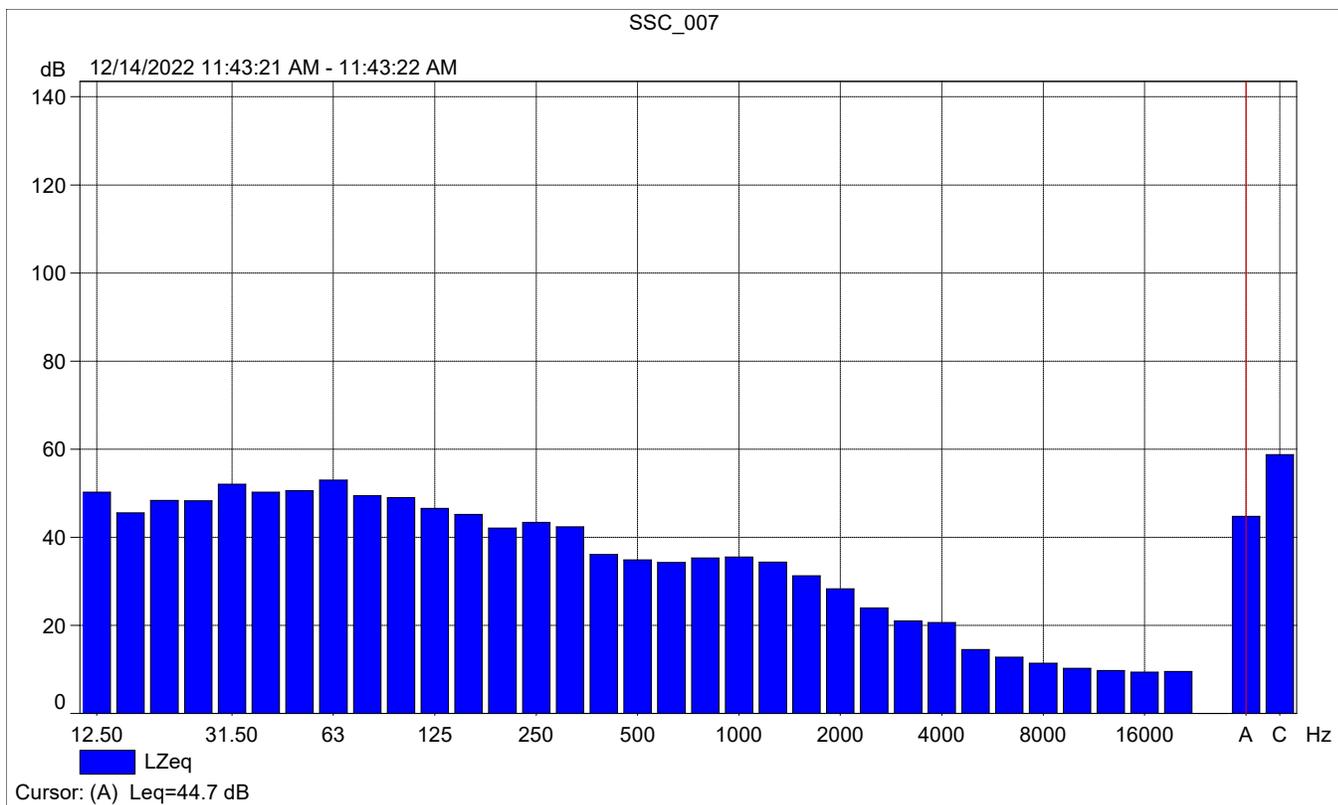
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	47.1	57.9	37.9
Time	11:38:22 AM	11:48:22 AM	0:10:00				
Date	12/14/2022	12/14/2022					





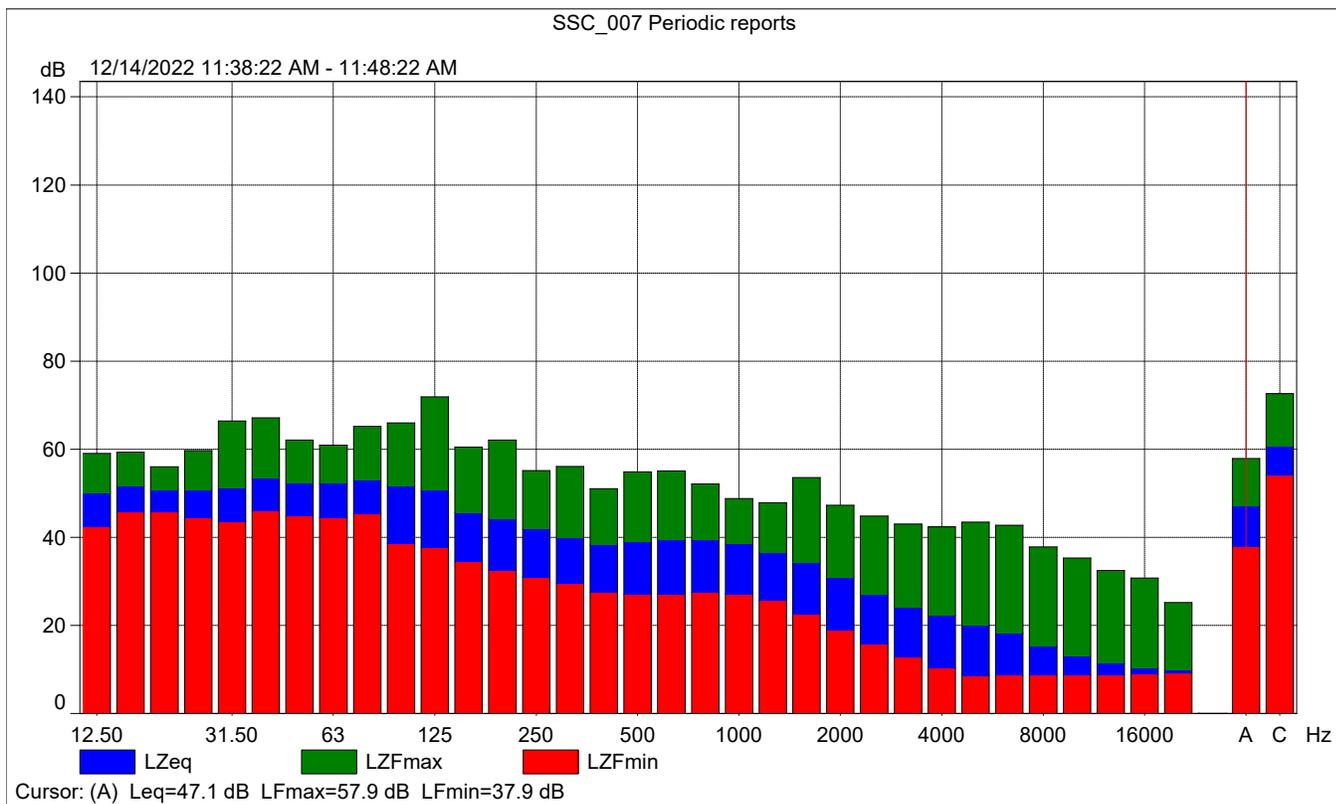
### SSC\_007

	Start time	Elapsed time	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			45.2	45.9	43.8
Time	11:43:21 AM	0:00:01			
Date	12/14/2022				



# SSC\_007 Periodic reports

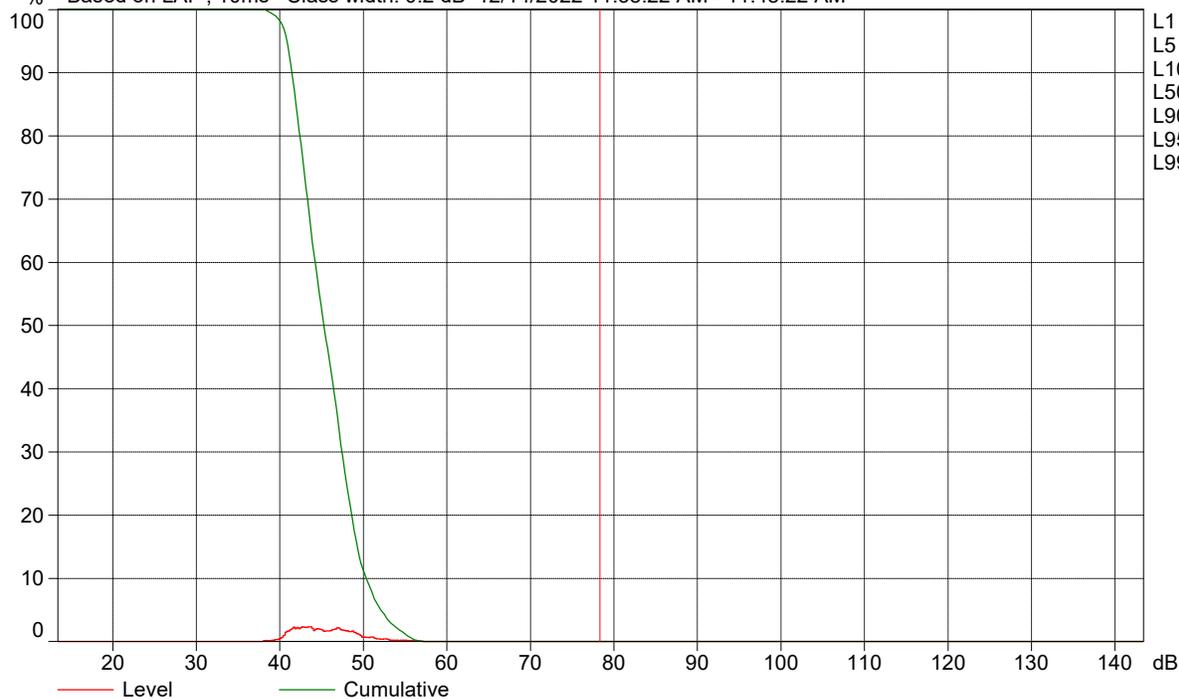
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	48.8	57.9	37.9
Time	11:38:22 AM	0:10:00				
Date	12/14/2022					





SSC\_007 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/14/2022 11:38:22 AM - 11:48:22 AM

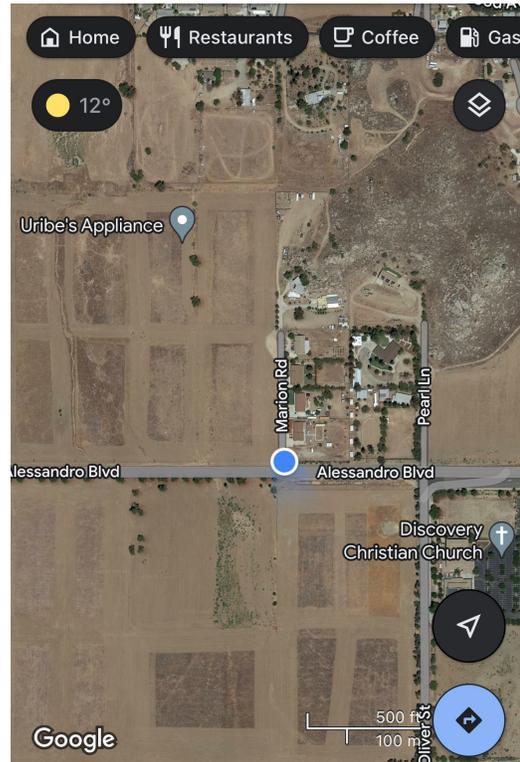


Cursor: [78.2 ; 78.4[ dB Level: 0.0% Cumulative: 0.0%

<b>Site Number:</b> NM-6			
<b>Recorded By:</b> Darshan Shivaiah, Tina Yuan			
<b>Job Number:</b> 184659			
<b>Date:</b> 12/14/22			
<b>Time:</b> 11:22 a.m.			
<b>Location:</b> At the intersection of Marion Road and Alessandro Boulevard			
<b>Source of Ambient Noise:</b> Traffic noise along Alessandro Boulevard			
<b>Source of Peak Noise:</b> Trucks passing by along Alessandro Boulevard			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
64.0	83.6	33.5	101.9

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	03/10/2022	
	Microphone	Brüel & Kjær	4189	3086765	03/10/2022	
	Preamp	Brüel & Kjær	ZC 0032	25380	03/10/2022	
	Calibrator	Brüel & Kjær	4231	2545667	03/10/2022	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.02			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	2 mph		50		30.19	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/14/2022 11:21:50
End Time:		12/14/2022 11:31:50
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.16

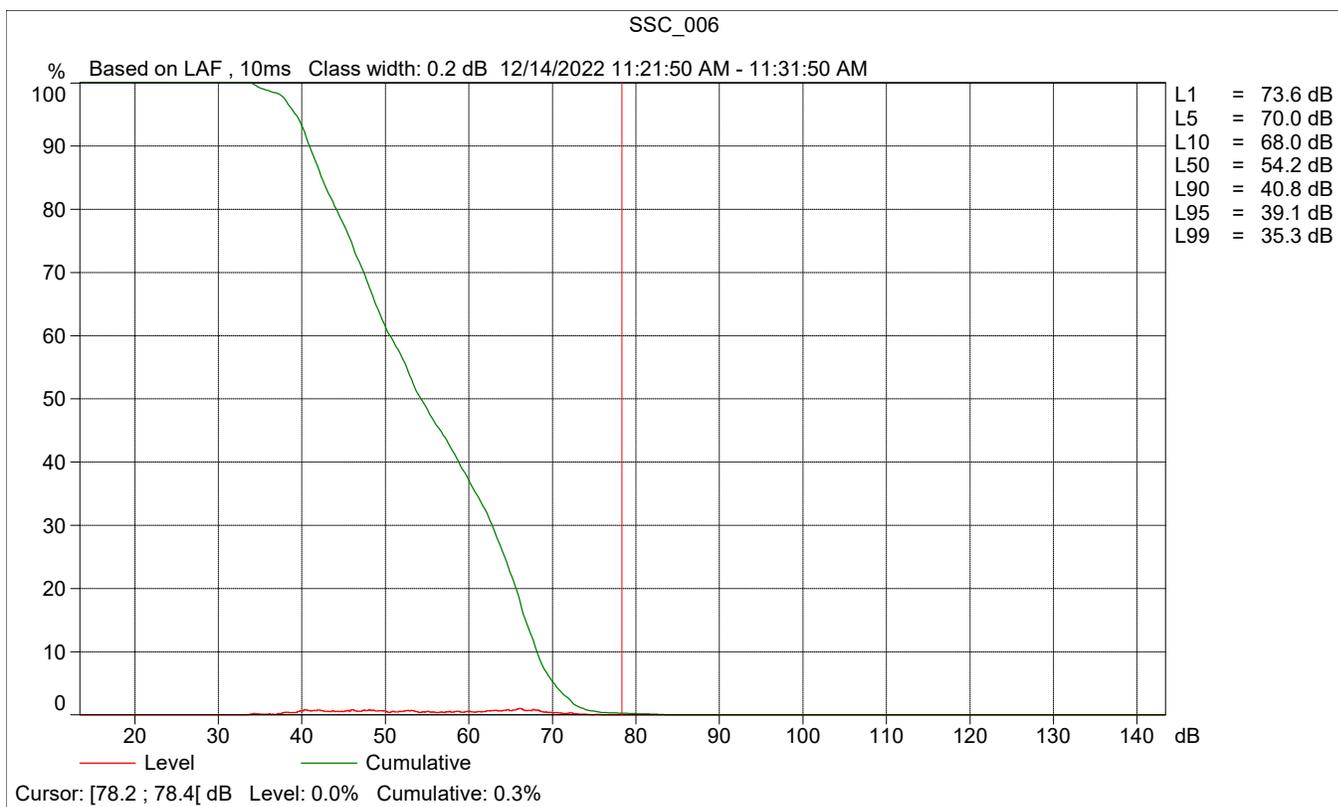
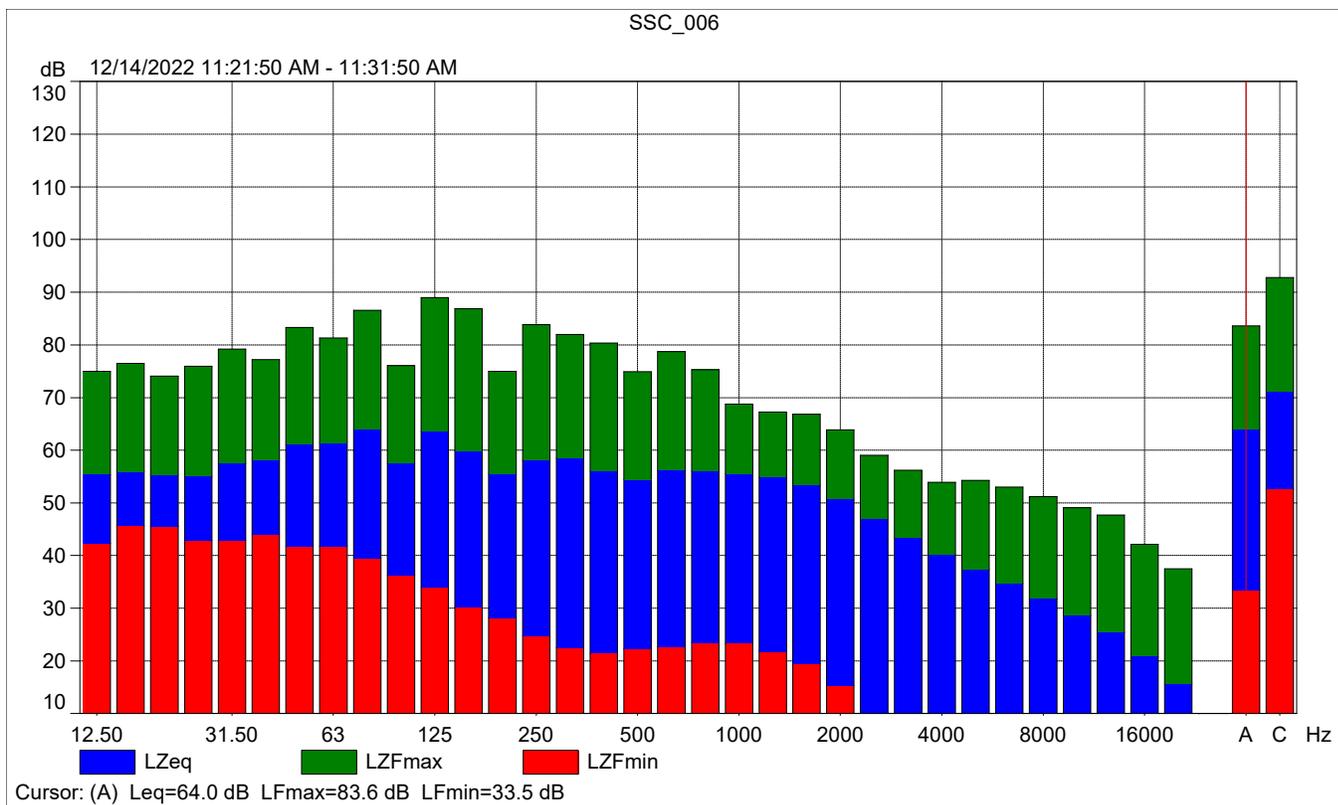
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

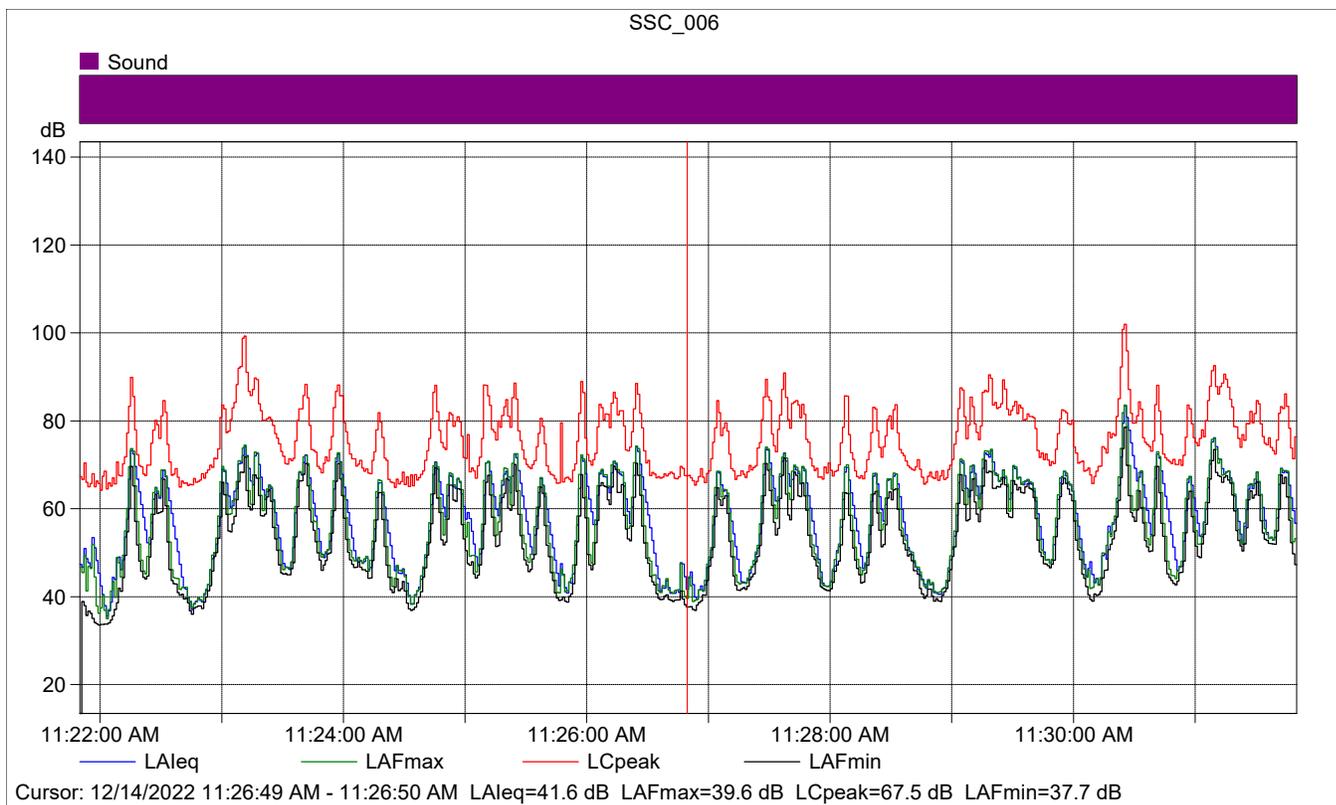
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/14/2022 09:00:19
Calibration Type:		External reference
Sensitivity:		43.4110201895237 mV/Pa

SSC\_006

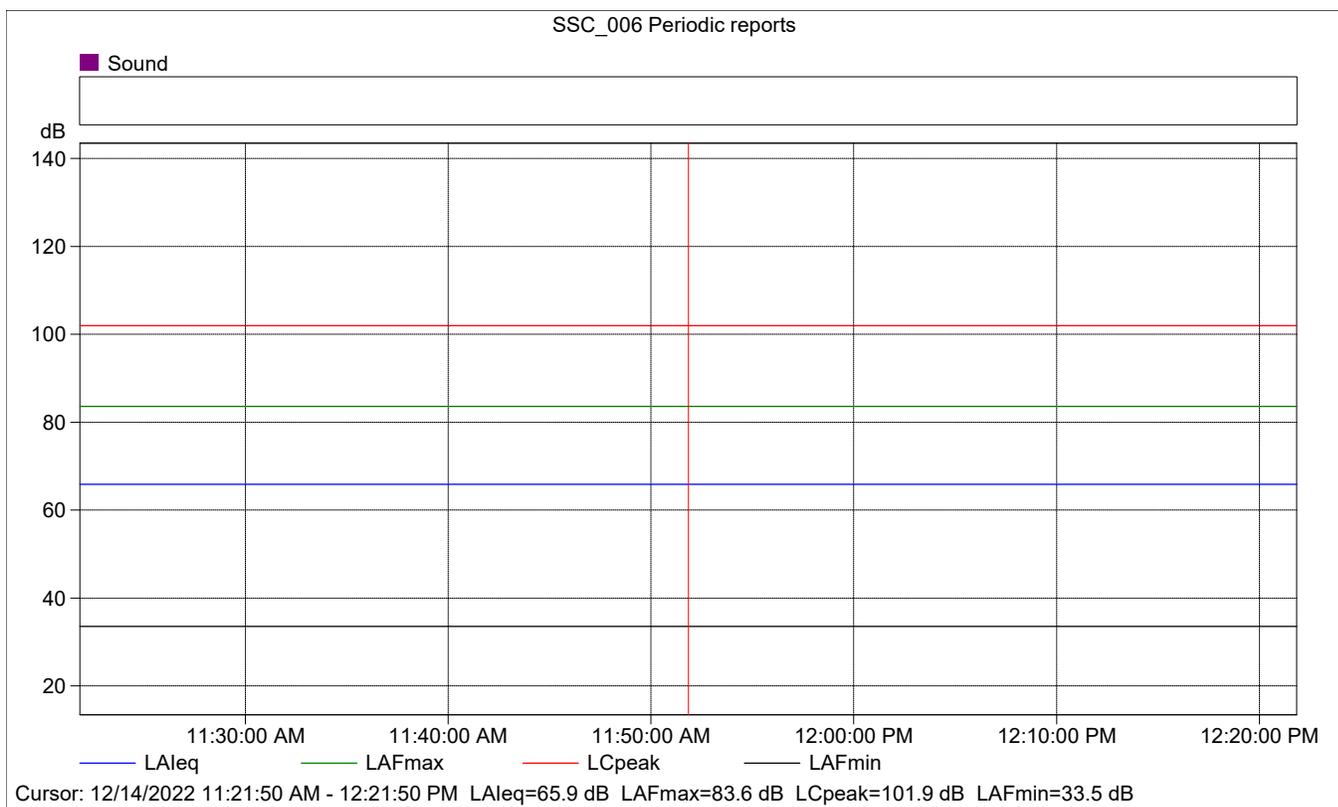
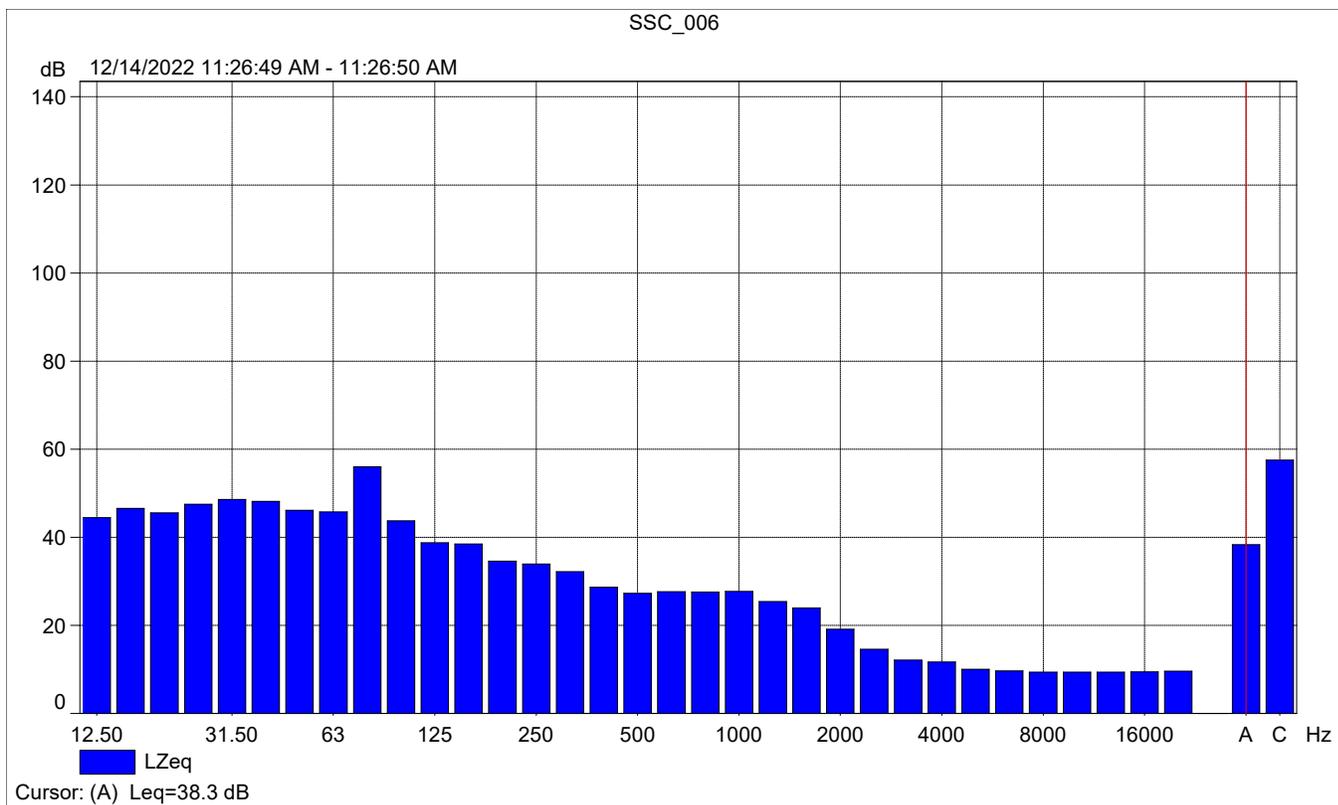
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	64.0	83.6	33.5
Time	11:21:50 AM	11:31:50 AM	0:10:00				
Date	12/14/2022	12/14/2022					





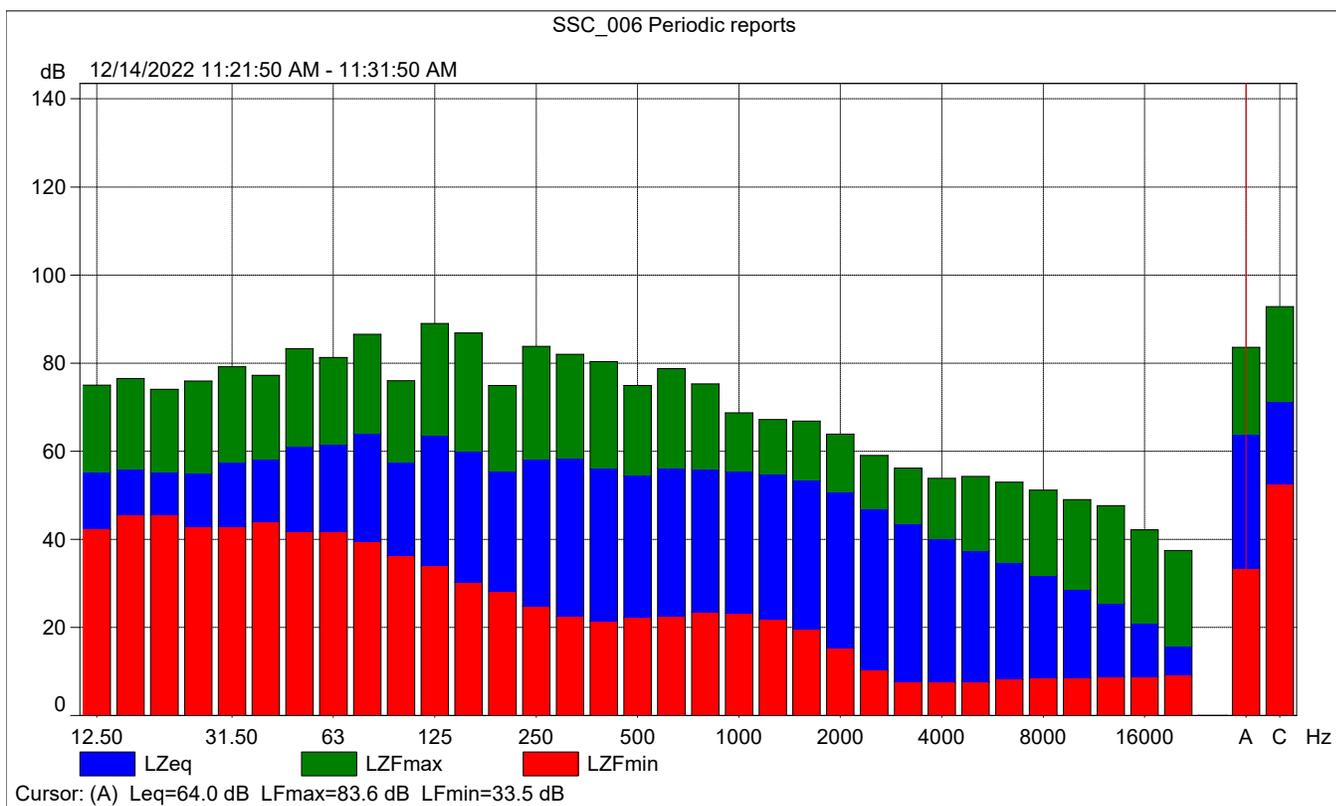
### SSC\_006

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			41.6	39.6	37.7
Time	11:26:49 AM	0:00:01			
Date	12/14/2022				



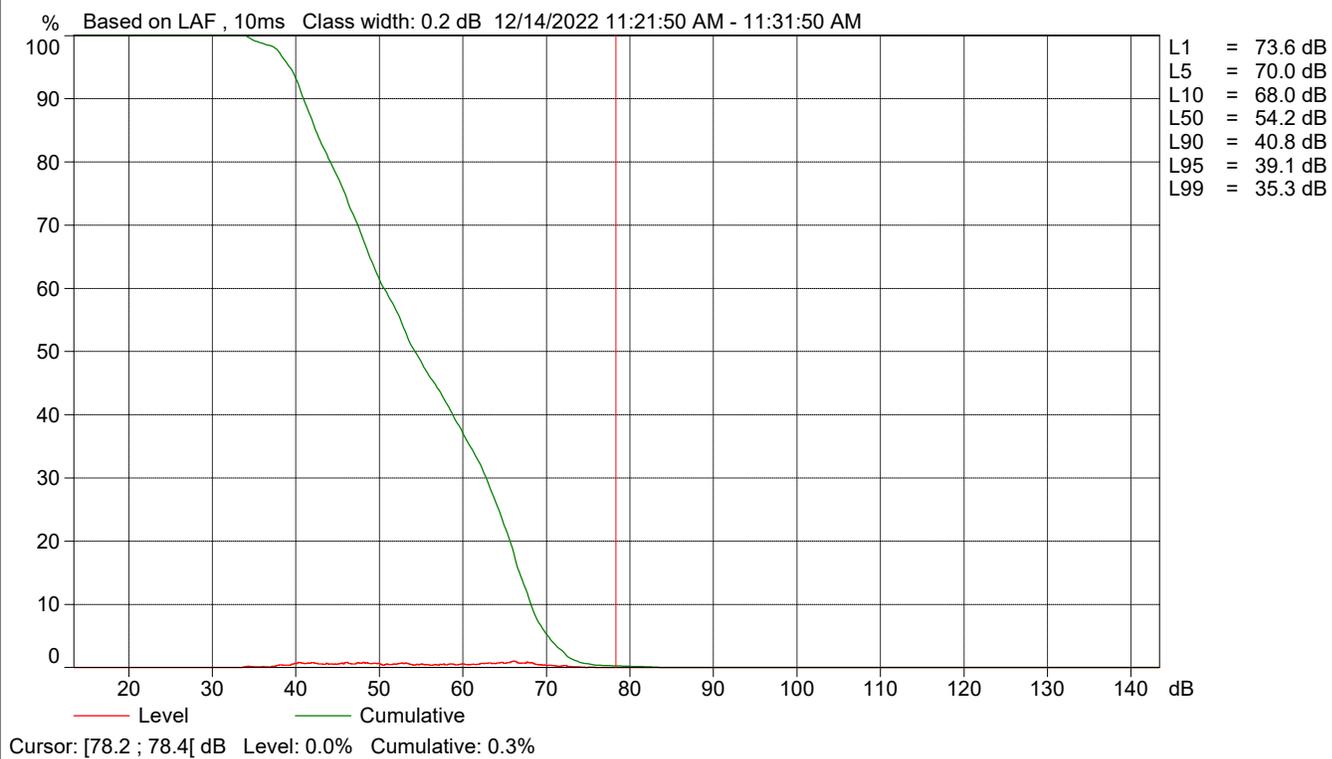
### SSC\_006 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	65.9	83.6	33.5
Time	11:21:50 AM	0:10:00				
Date	12/14/2022					





SSC\_006 Periodic reports



## TRAFFIC NOISE LEVELS AND NOISE CONTOURS

**Project Number:** 184659  
**Project Name:** TTM 38442  
**Scenario:** Existing Condition

### Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Source of Traffic Volumes: Trip Generation Table  
 Community Noise Descriptor:  $L_{dn}$ : \_\_\_\_\_ CNEL: \_\_\_\_\_ x \_\_\_\_\_

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.50%	12.90%	9.60%
Medium-Duty Trucks	84.80%	4.90%	10.30%
Heavy-Duty Trucks	86.50%	2.70%	10.80%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway					Calc Dist
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	
<b>Cottonwood Avenue</b> Nason Street to Project's Western Boundary	2	0	4,874	40	0.5	1.8%	0.7%	57.0	-	-	64	137	100
<b>Alessandro Boulevard</b> Lasselle Street to Morrison Street	2	0	25,835	50	0.5	1.8%	0.7%	66.6	59	128	275	593	100
<b>Alessandro Boulevard</b> Morrison Street to Nason Street	2	0	22,373	50	0.5	1.8%	0.7%	66.0	54	116	250	539	100
<b>Alessandro Boulevard</b> Nason to Project's Western Boundary	2	0	22,948	50	0.5	1.8%	0.7%	66.1	55	118	254	548	100

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

NA = not applicable (does not exist without project)

## TRAFFIC NOISE LEVELS AND NOISE CONTOURS

**Project Number:** 184659  
**Project Name:** TTM 38442  
**Scenario:** Existing plus Project Condition

### Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Source of Traffic Volumes: Trip Generation Table  
 Community Noise Descriptor:  $L_{dn}$ : \_\_\_\_\_ CNEL: \_\_\_\_\_ x \_\_\_\_\_

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.50%	12.90%	9.60%
Medium-Duty Trucks	84.80%	4.90%	10.30%
Heavy-Duty Trucks	86.50%	2.70%	10.80%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway					Calc Dist
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	
<b>Cottonwood Avenue</b> Cottonwood Avenue from Nason Street to Project's Western Boundary	2	0	5,066	40	0.5	1.8%	0.7%	57.2	-	-	65	141	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Lasselle Street to Morrison Street	2	0	26,089	50	0.5	1.8%	0.7%	66.6	60	129	277	597	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Morrison Street to Nason Street	2	0	22,647	50	0.5	1.8%	0.7%	66.0	54	117	252	543	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Nason to Project's Western Boundary	2	0	24,546	50	0.5	1.8%	0.7%	66.4	57	124	266	573	100

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

NA = not applicable (does not exist without project)

## TRAFFIC NOISE LEVELS AND NOISE CONTOURS

**Project Number:** 184659  
**Project Name:** TTM 38442  
**Scenario:** Buildout Year 2040 Condition

### Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Source of Traffic Volumes: Trip Generation Table  
 Community Noise Descriptor:  $L_{dn}$ : \_\_\_\_\_ CNEL: \_\_\_\_\_ x \_\_\_\_\_

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.50%	12.90%	9.60%
Medium-Duty Trucks	84.80%	4.90%	10.30%
Heavy-Duty Trucks	86.50%	2.70%	10.80%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway					Calc Dist
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	
<b>Cottonwood Avenue</b> Cottonwood Avenue from Nason Street to Project's Western Boundary	4	12	5,117	50	0.5	1.8%	0.7%	59.7	-	-	96	207	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Lasselle Street to Morrison Street	6	14	27,126	50	0.5	1.8%	0.7%	67.3	66	142	306	658	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Morrison Street to Nason Street	6	14	23,099	50	0.5	1.8%	0.7%	66.6	-	127	275	592	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Nason to Project's Western Boundary	6	14	25,145	50	0.5	1.8%	0.7%	66.9	-	135	291	626	100

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

NA = not applicable (does not exist without project)

## TRAFFIC NOISE LEVELS AND NOISE CONTOURS

**Project Number:** 184659  
**Project Name:** TTM 38442  
**Scenario:** Buildout Year 2040 plus Project Condition

### Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
 Source of Traffic Volumes: Trip Generation Table  
 Community Noise Descriptor:  $L_{dn}$ : \_\_\_\_\_ CNEL: \_\_\_\_\_ x \_\_\_\_\_

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.50%	12.90%	9.60%
Medium-Duty Trucks	84.80%	4.90%	10.30%
Heavy-Duty Trucks	86.50%	2.70%	10.80%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway					Calc Dist
						Medium Trucks	Heavy Trucks	CNEL at 100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	
<b>Cottonwood Avenue</b> Cottonwood Avenue from Nason Street to Project's Western Boundary	4	12	5,309	50	0.5	1.8%	0.7%	59.9	-	-	99	212	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Lasselle Street to Morrison Street	6	14	27,380	50	0.5	1.8%	0.7%	67.3	66	143	308	663	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Morrison Street to Nason Street	6	14	23,373	50	0.5	1.8%	0.7%	66.6	-	128	277	596	100
<b>Alessandro Boulevard</b> Alessandro Boulevard from Nason to Project's Western Boundary	6	14	25,743	50	0.5	1.8%	0.7%	67.1	64	137	295	636	100

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

NA = not applicable (does not exist without project)