

Appendix 6

Noise Data

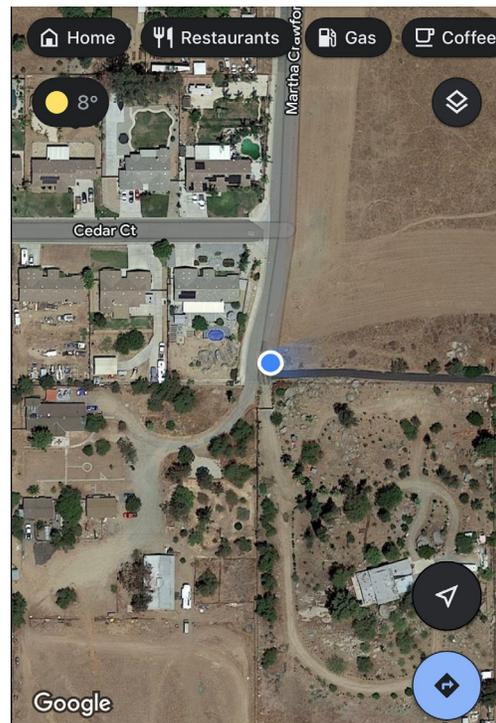
Sunset Crossings Residential Project

Initial Study

Site Number: NM-1			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 10:02 a.m.			
Location: On the sidewalks for Martha Crawford Street			
Source of Ambient Noise: Traffic noise from Cottonwood Avenue and HVAC noise.			
Source of Peak Noise: 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.	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 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

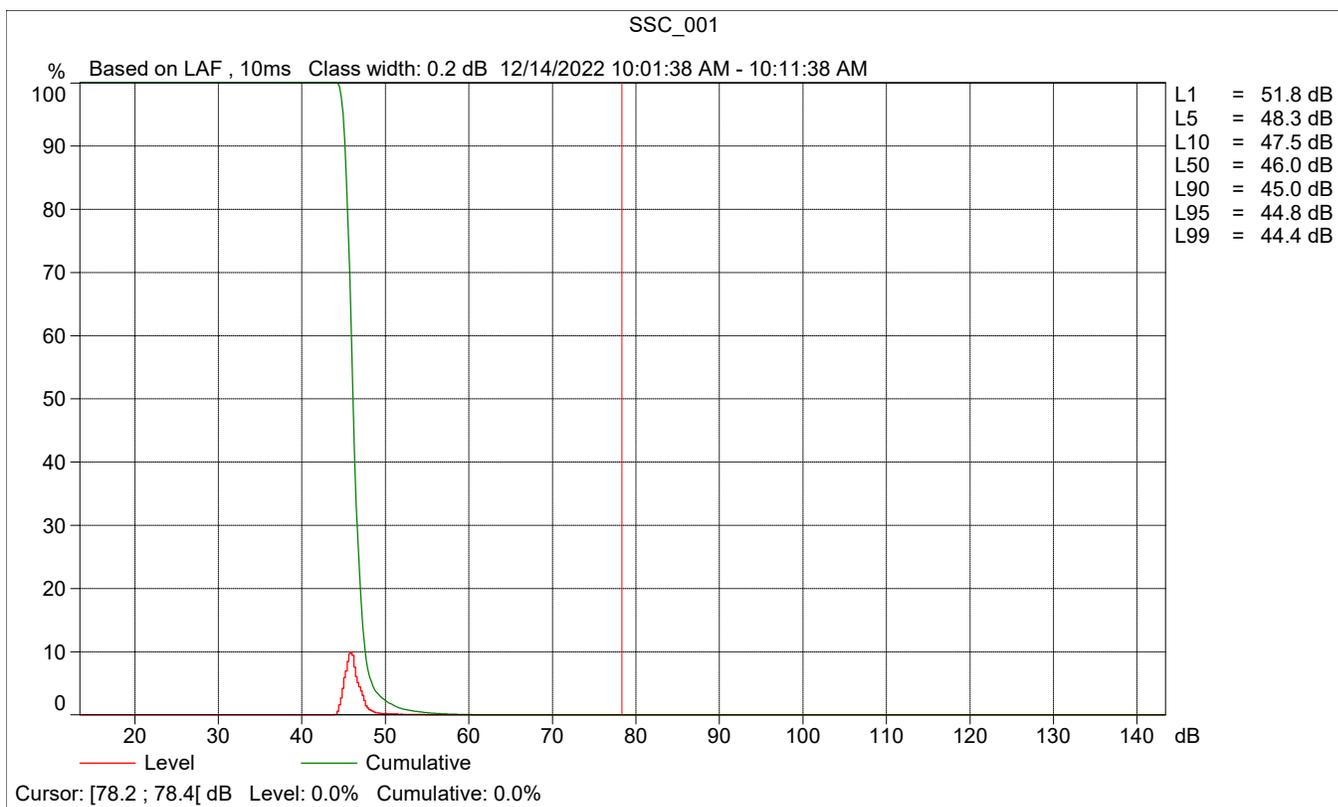
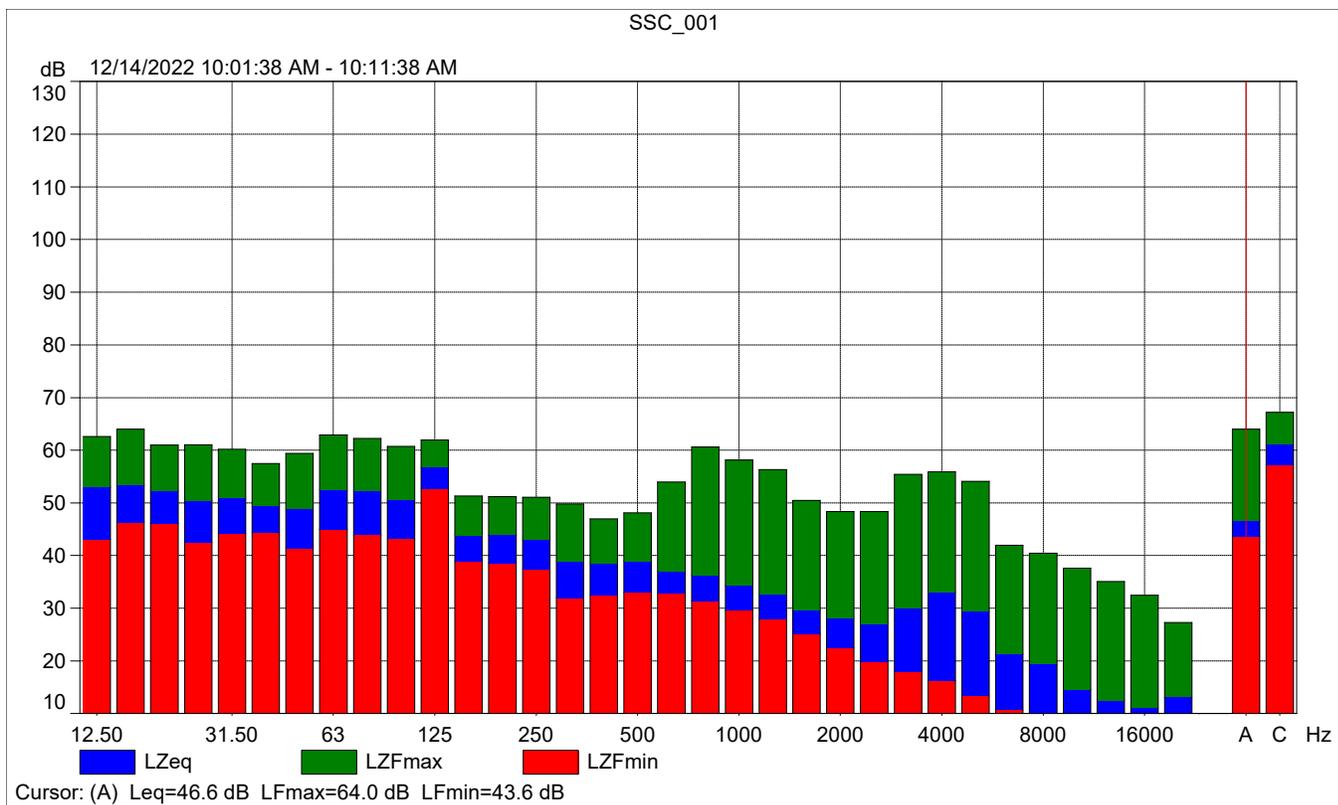
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

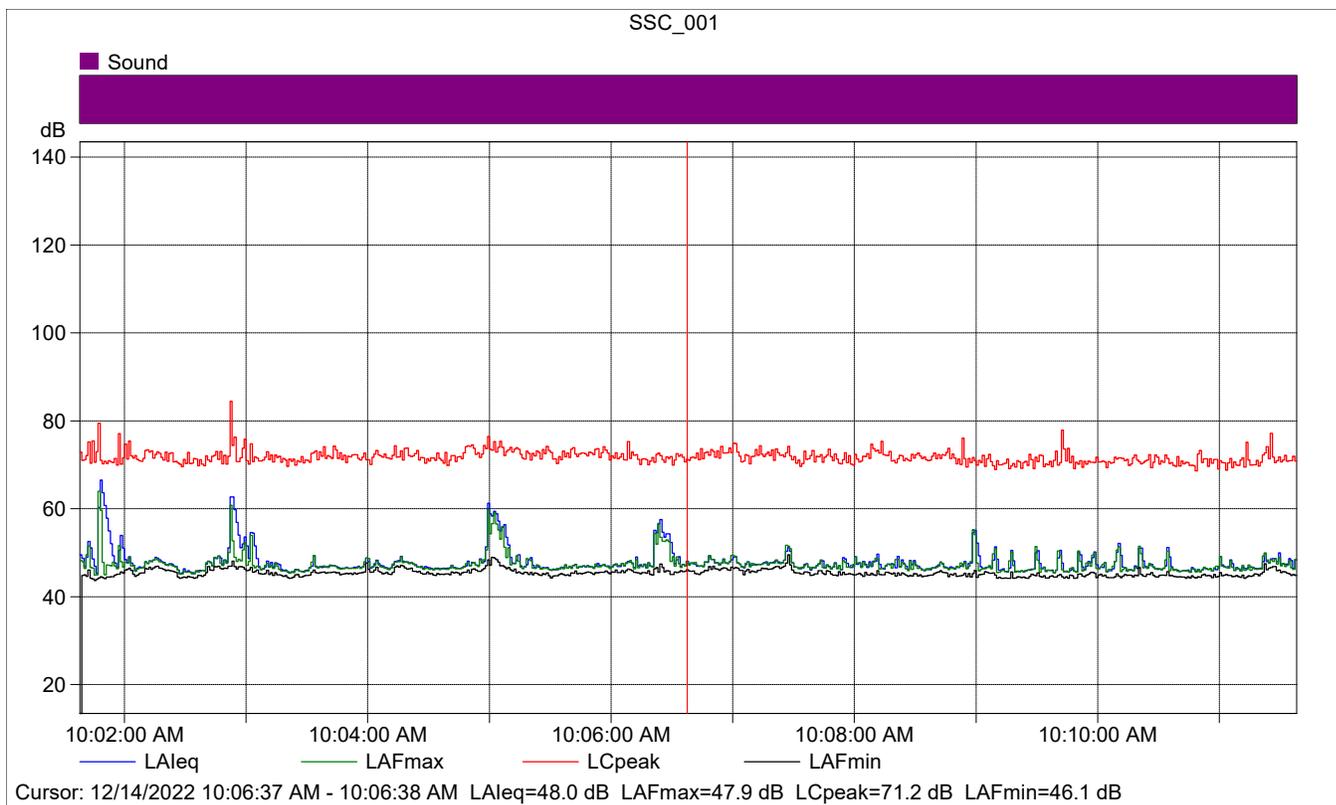
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_001

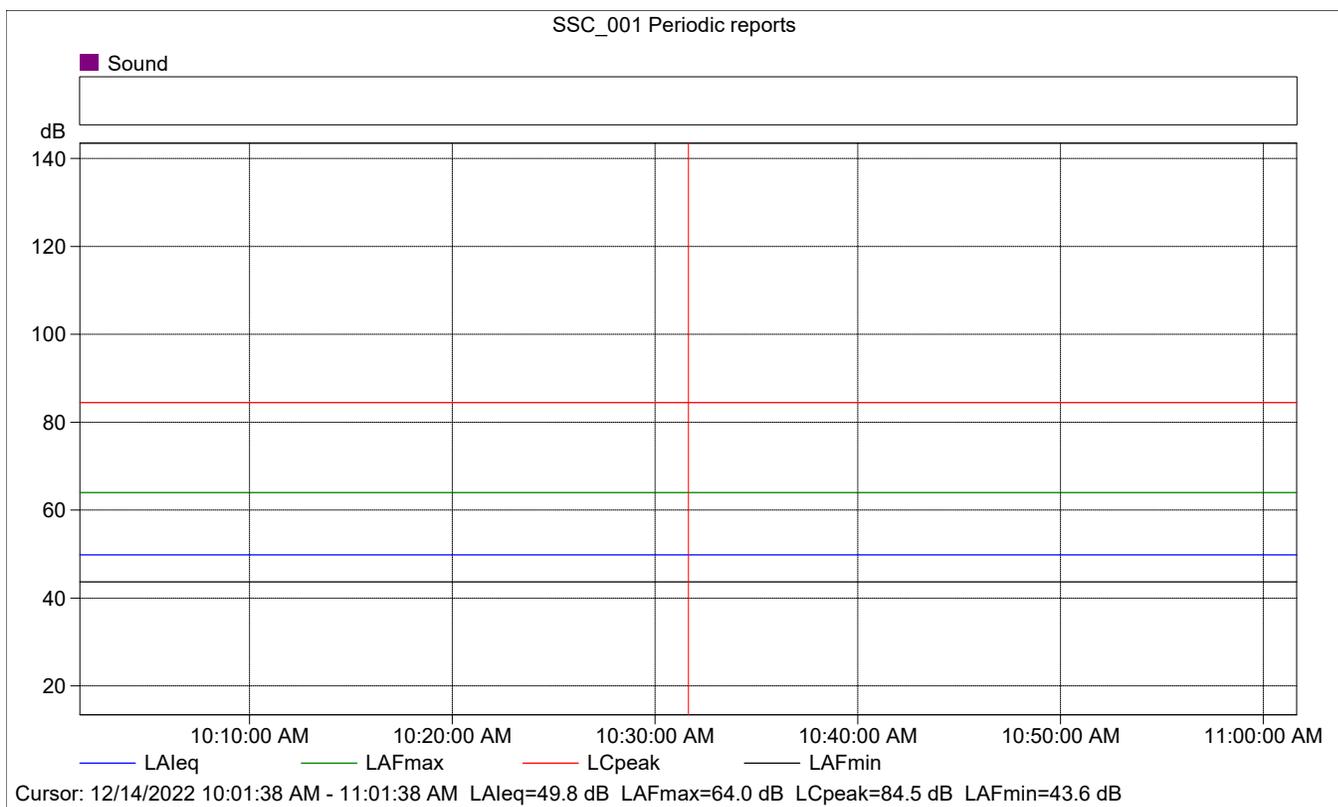
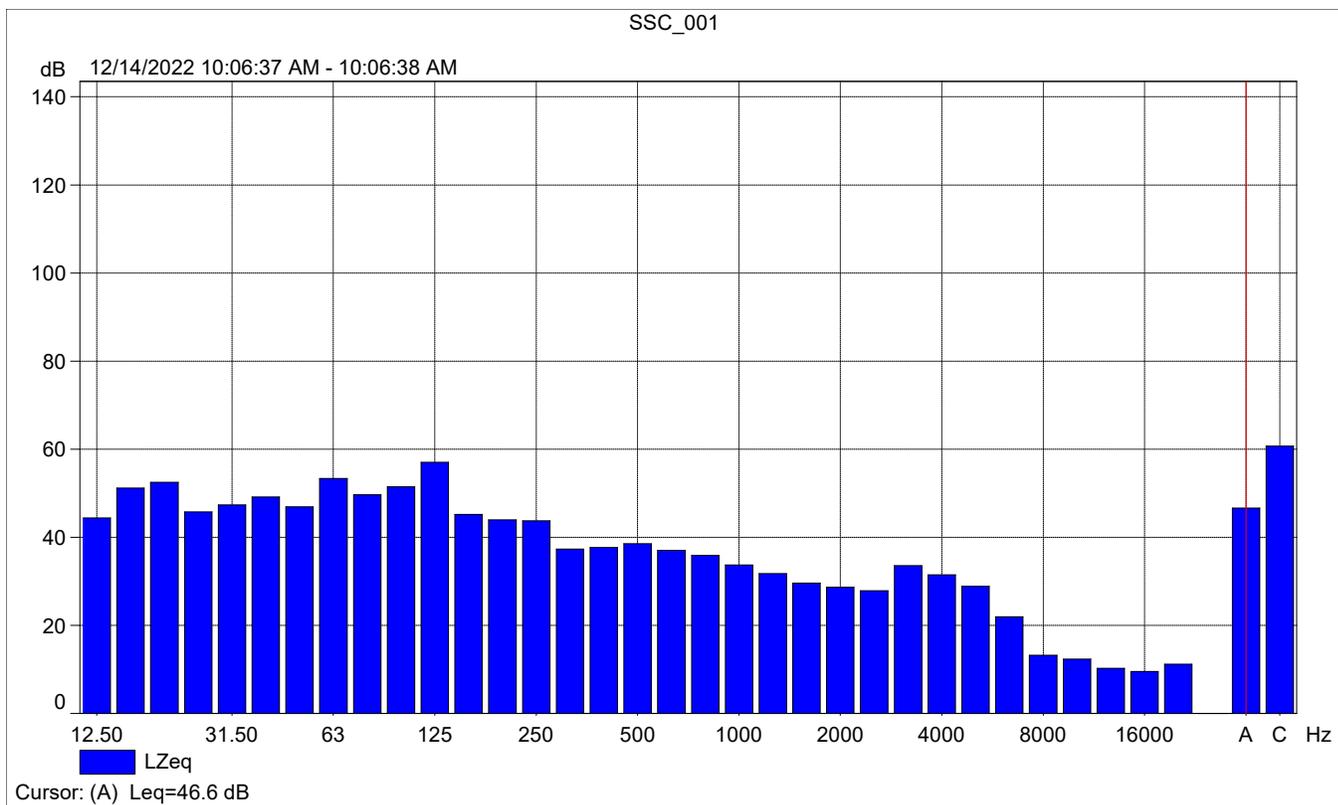
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _A F _{max} [dB]	L _A F _{min} [dB]
Value				0.00	46.6	64.0	43.6
Time	10:01:38 AM	10:11:38 AM	0:10:00				
Date	12/14/2022	12/14/2022					





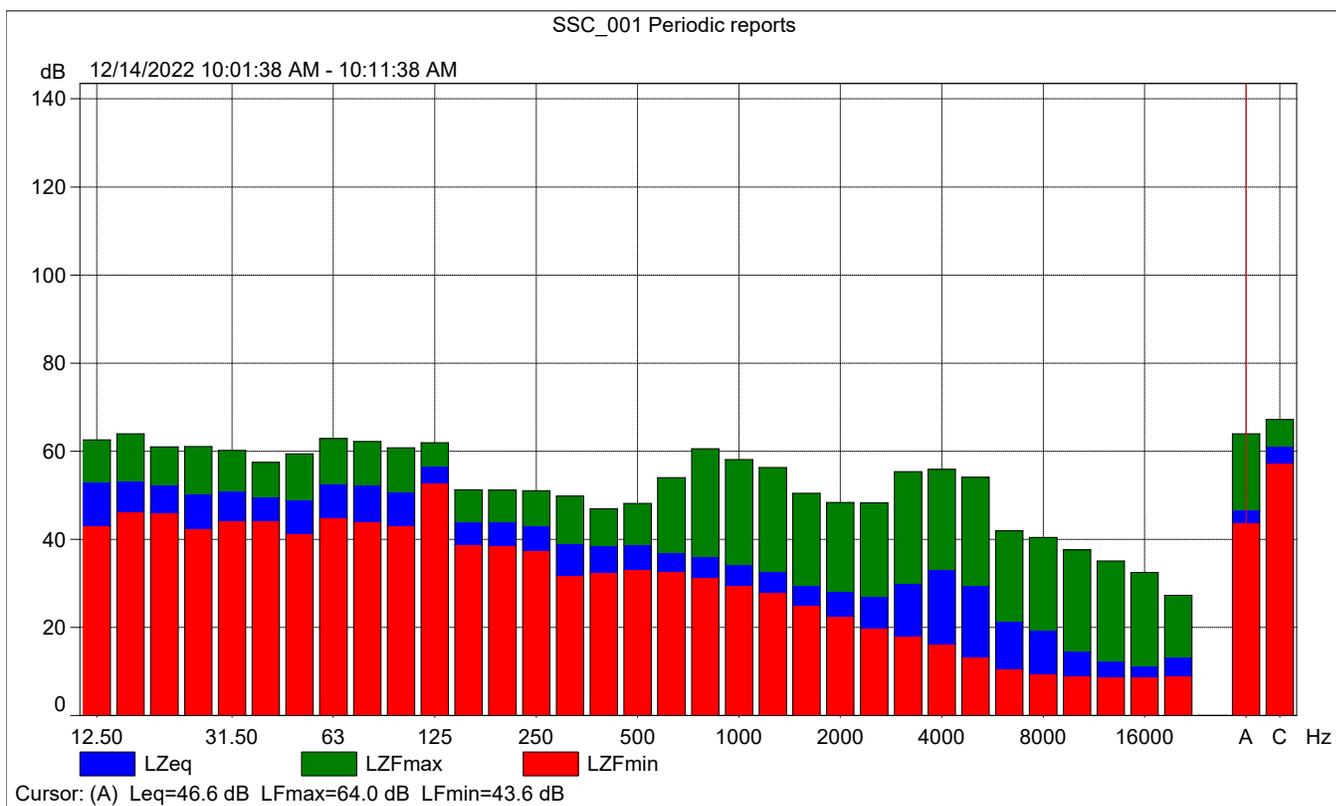
SSC_001

	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

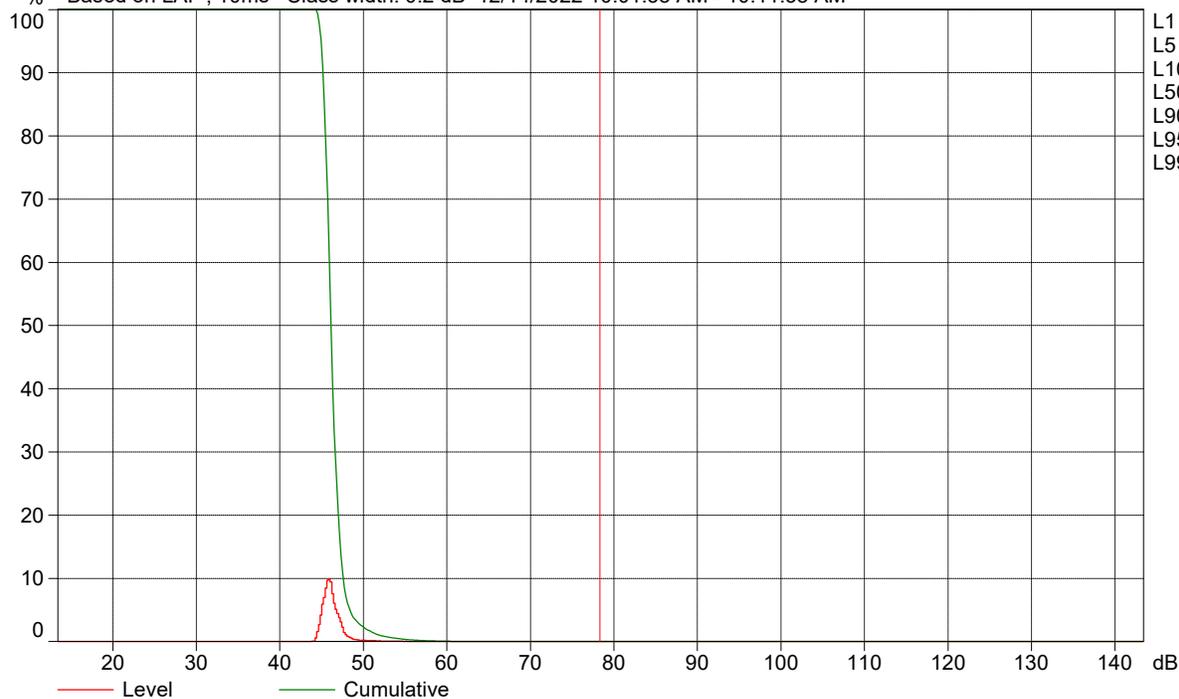
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	49.8	64.0	43.6
Time	10:01:38 AM	0:10:00				
Date	12/14/2022					





SSC_001 Periodic reports

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



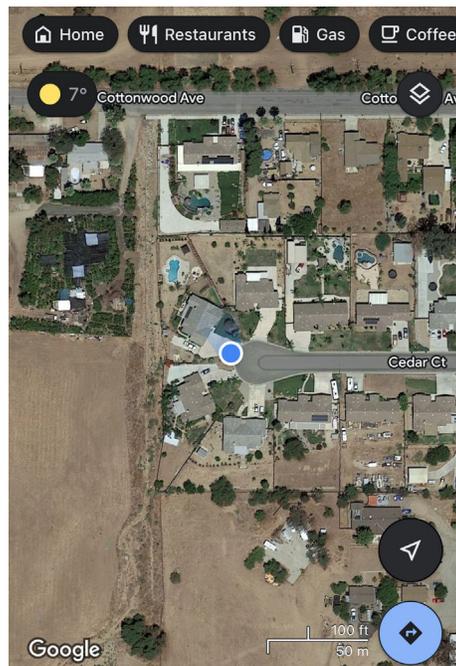
- L1 = 51.8 dB
- L5 = 48.3 dB
- L10 = 47.5 dB
- L50 = 46.0 dB
- L90 = 45.0 dB
- L95 = 44.8 dB
- L99 = 44.4 dB

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

Site Number: NM-2			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 10:16 a.m.			
Location: On the sidewalk in front of 27258 Cedar Street residence			
Source of Ambient Noise: Traffic noise along Cedar Street			
Source of Peak Noise: 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.	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 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

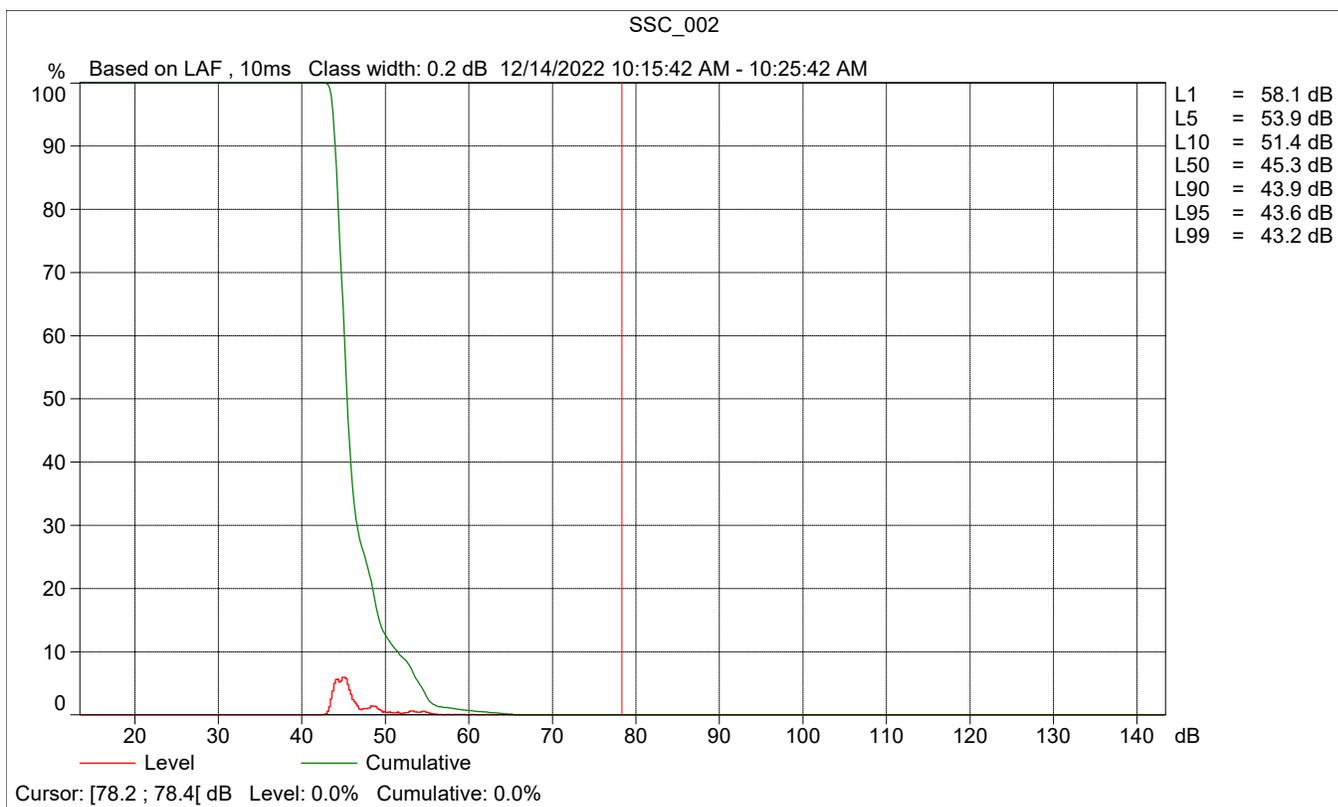
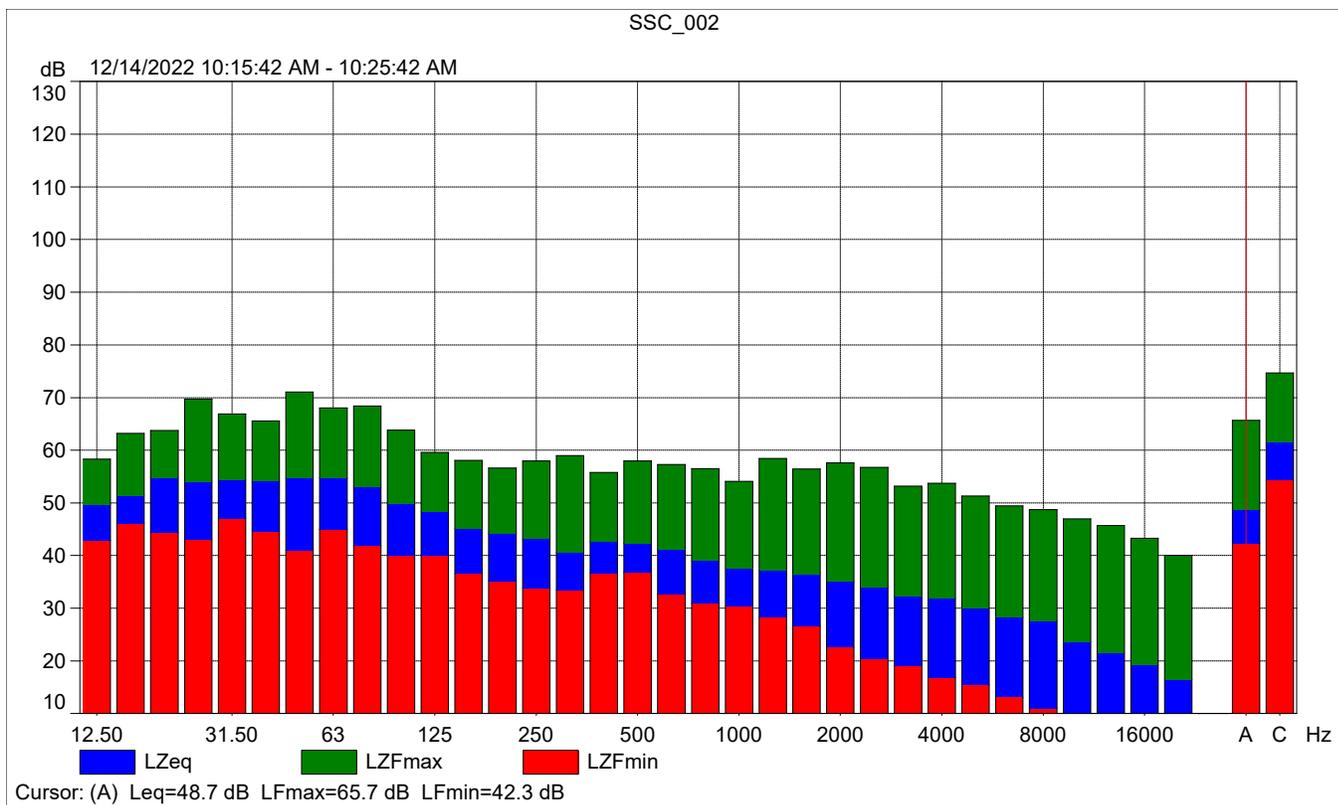
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

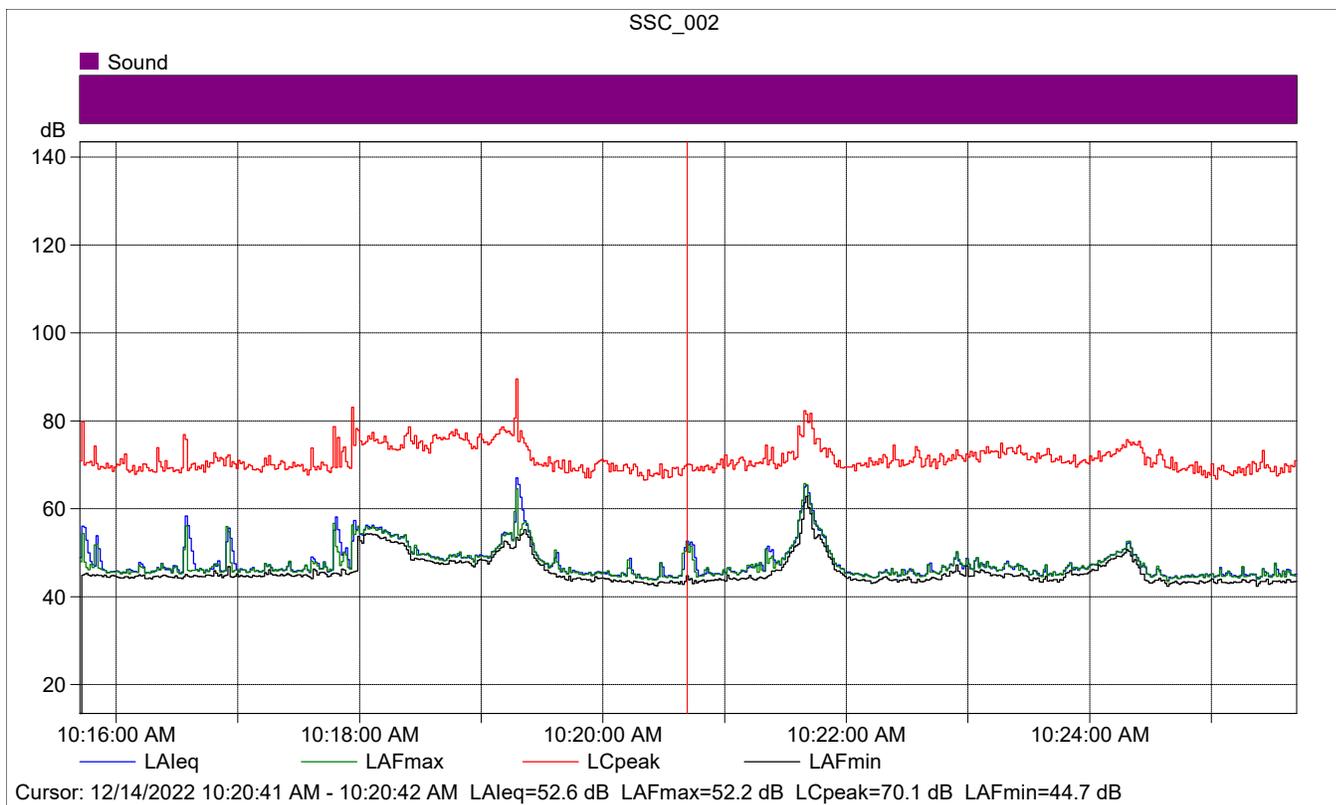
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_002

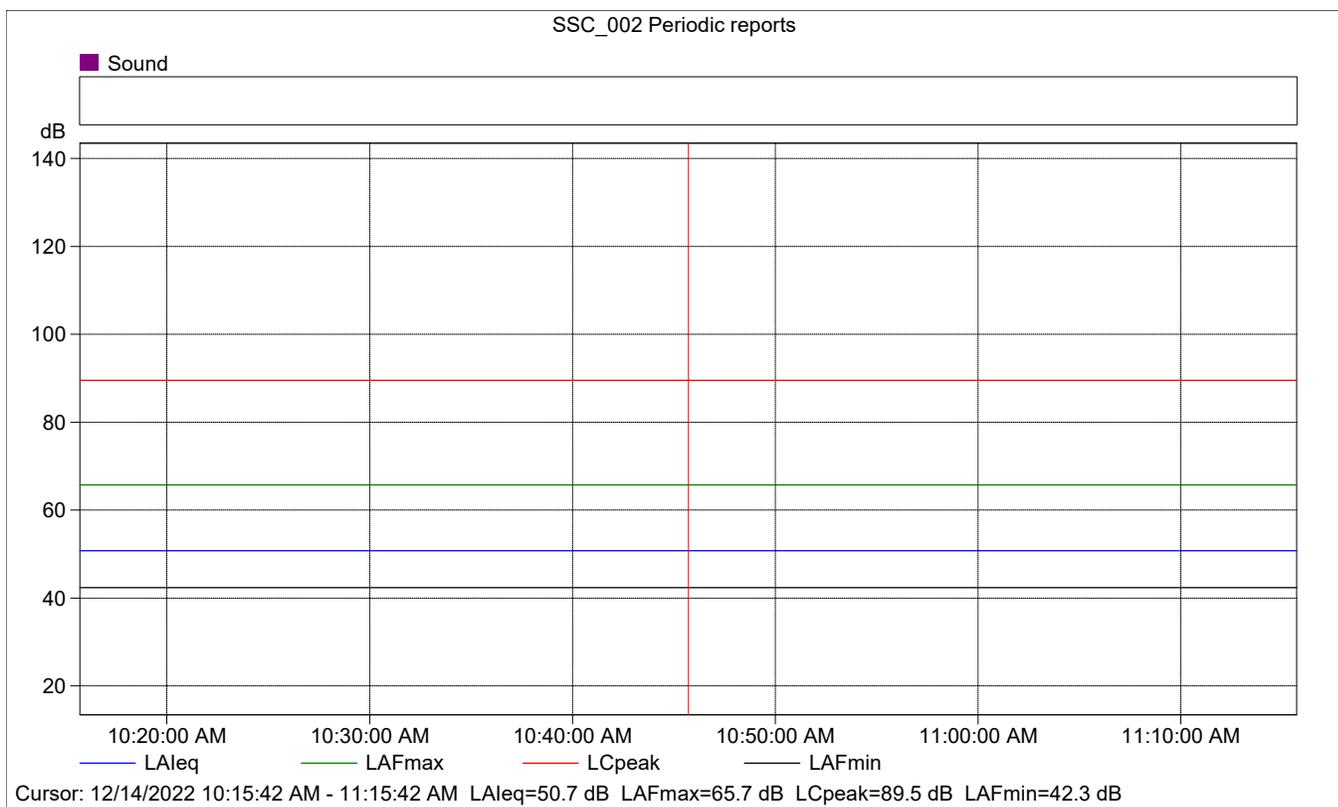
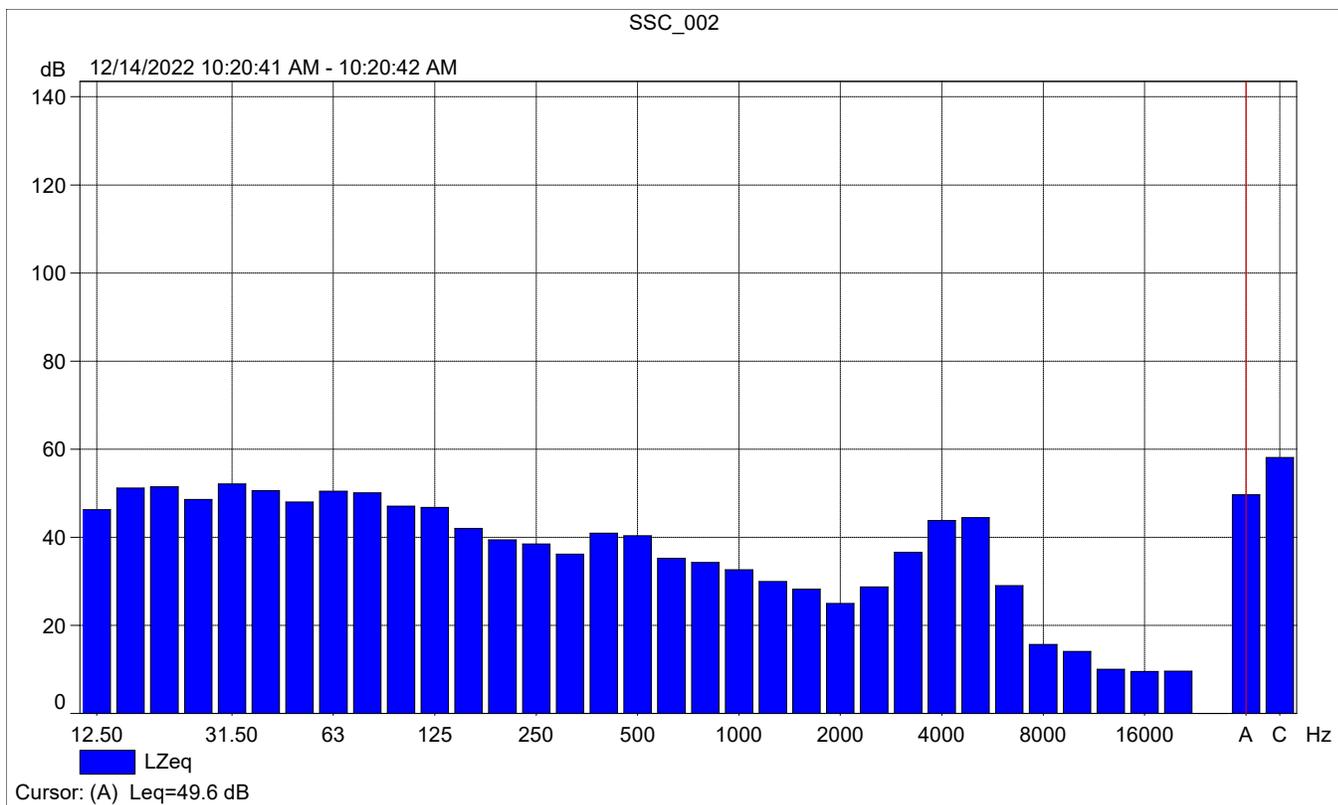
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _{AFmax} [dB]	L _{AFmin} [dB]
Value				0.00	48.7	65.7	42.3
Time	10:15:42 AM	10:25:42 AM	0:10:00				
Date	12/14/2022	12/14/2022					





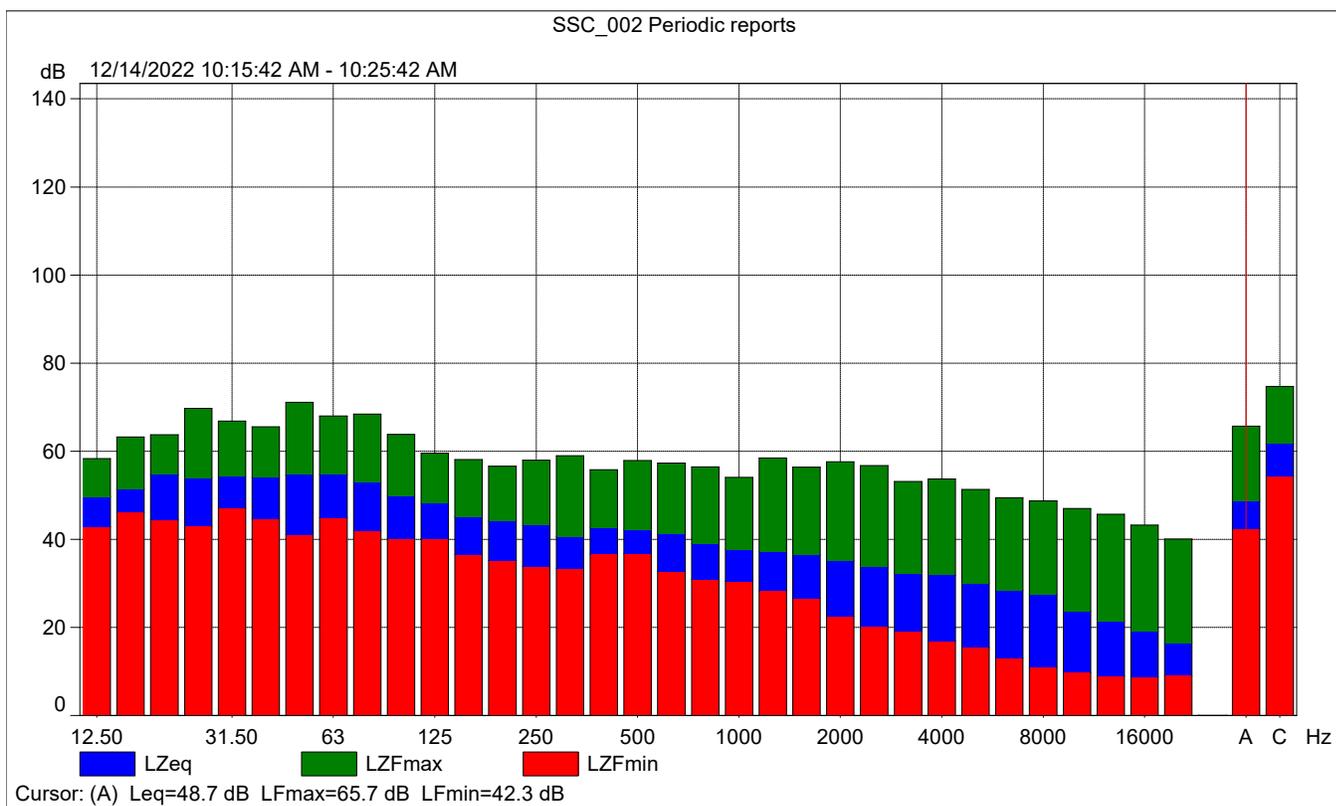
SSC_002

	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

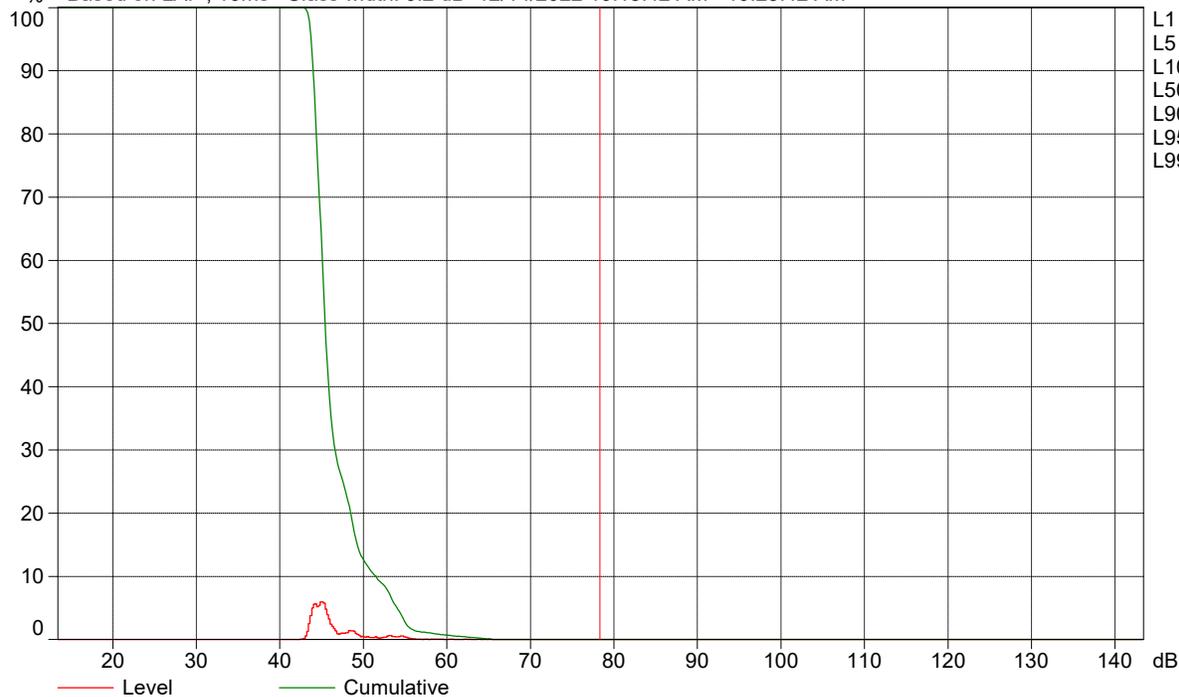
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	50.7	65.7	42.3
Time	10:15:42 AM	0:10:00				
Date	12/14/2022					





SSC_002 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/14/2022 10:15:42 AM - 10:25:42 AM



- L1 = 58.1 dB
- L5 = 53.9 dB
- L10 = 51.4 dB
- L50 = 45.3 dB
- L90 = 43.9 dB
- L95 = 43.6 dB
- L99 = 43.2 dB

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

Site Number: NM-3			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 10:30 a.m.			
Location: Along the northern property line of 27132 Cottonwood Avenue			
Source of Ambient Noise: Traffic noise along Cottonwood Avenue and Nason Street			
Source of Peak Noise: 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.	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 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

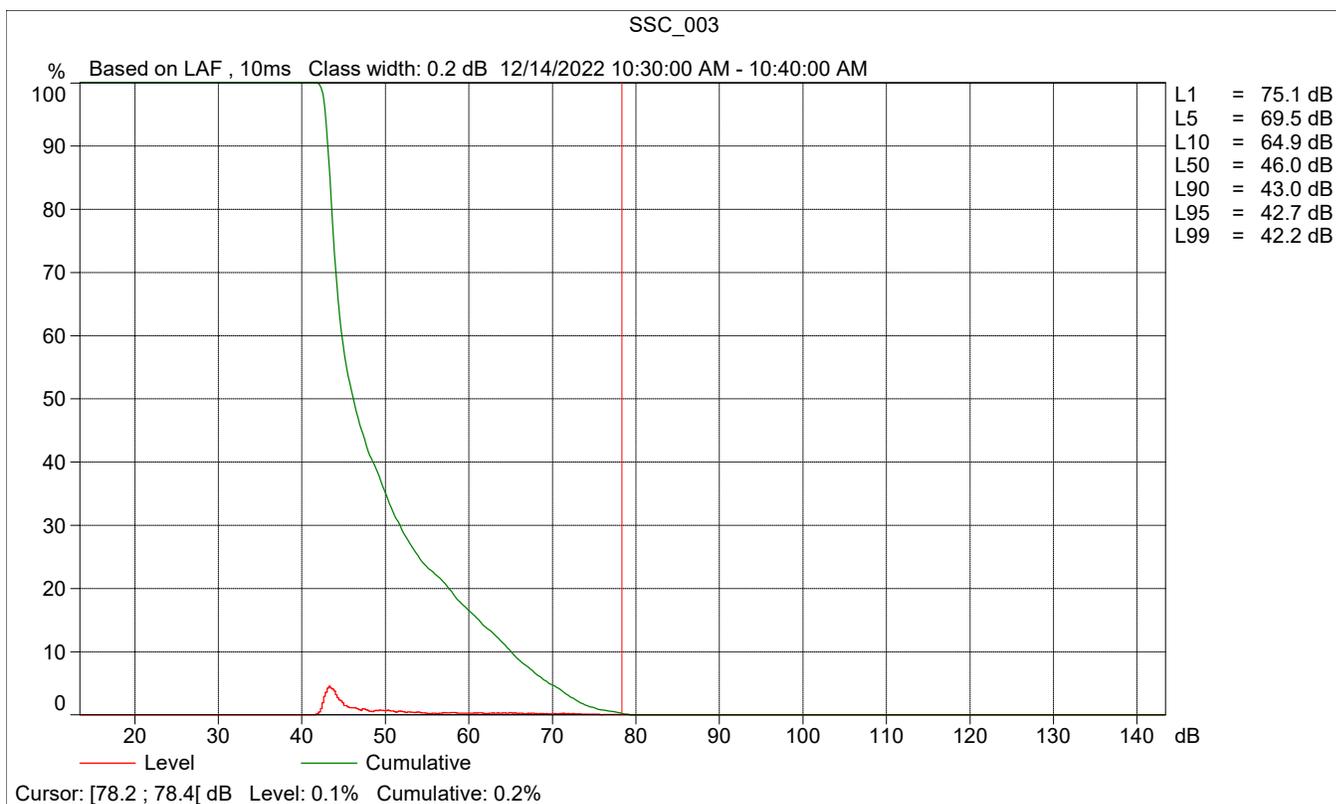
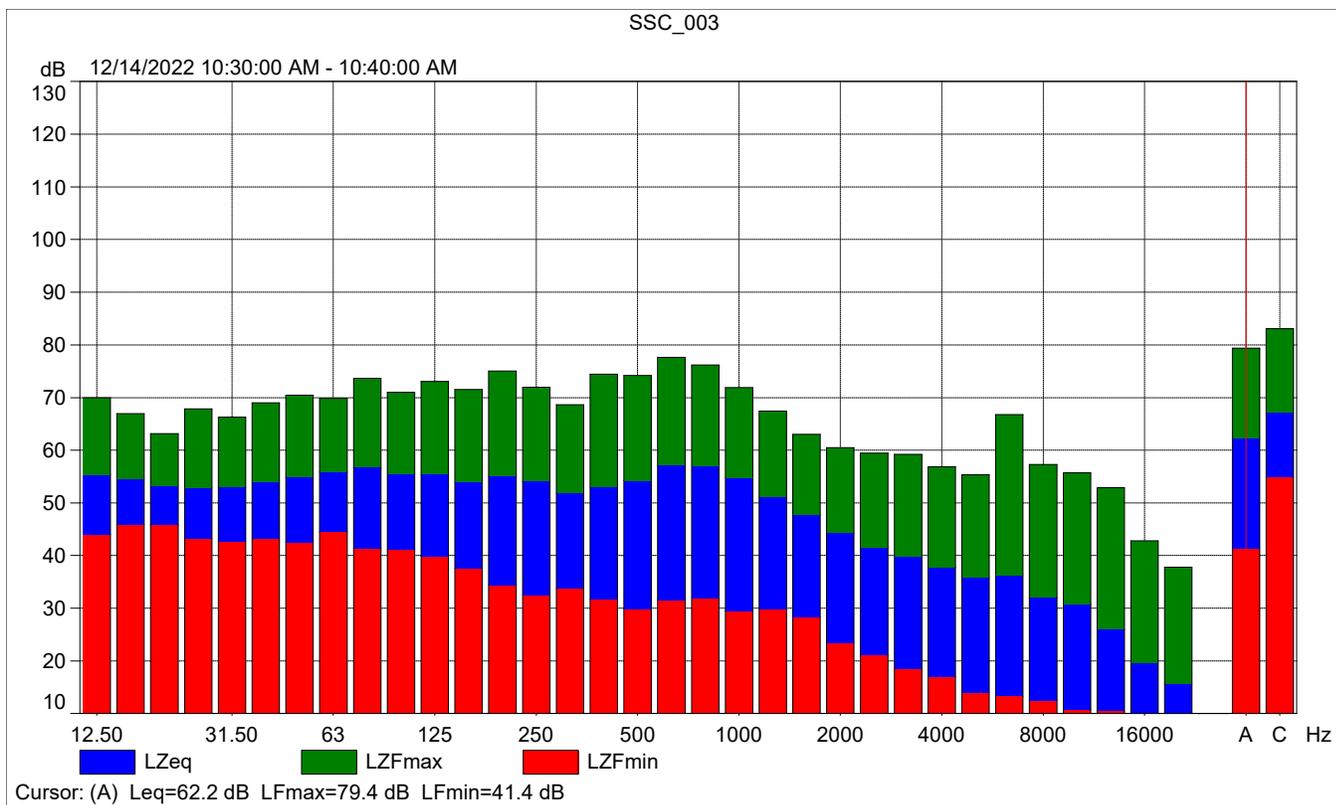
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

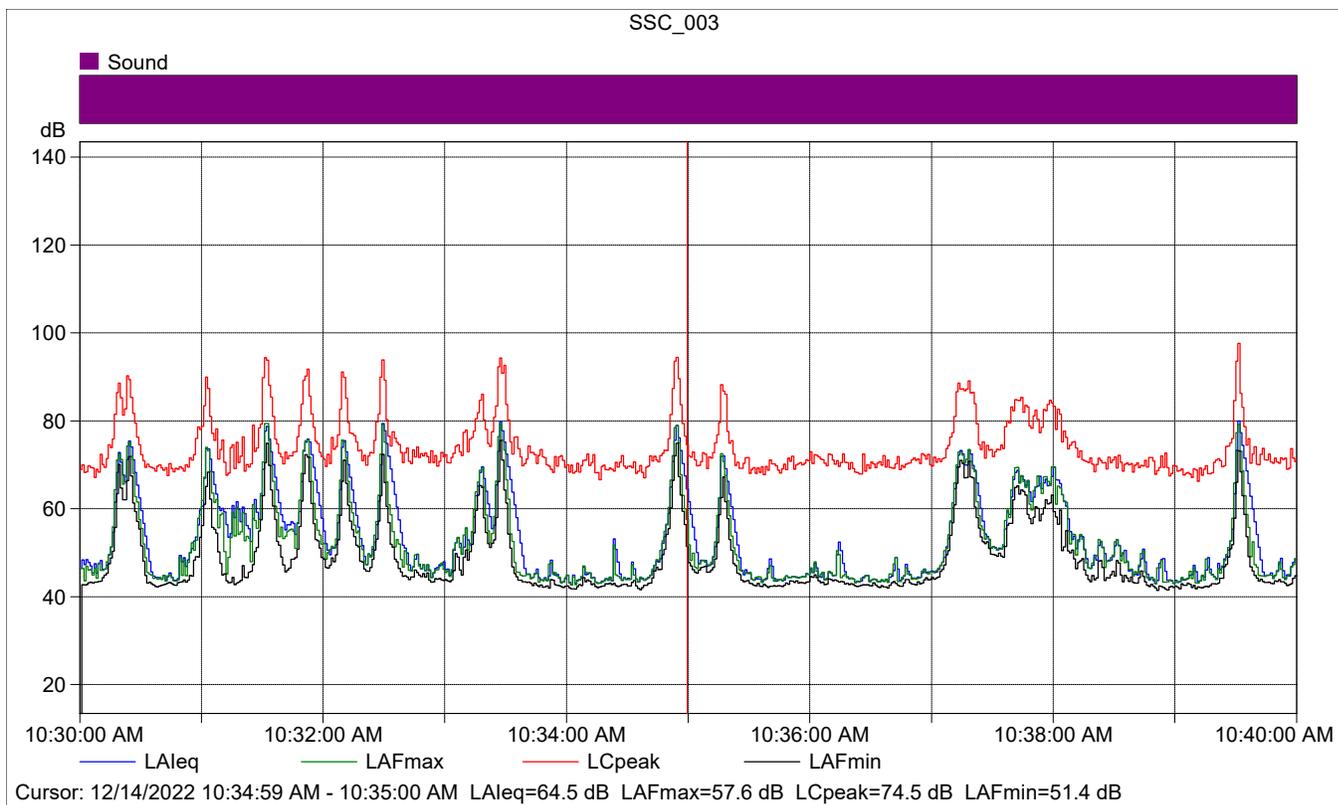
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_003

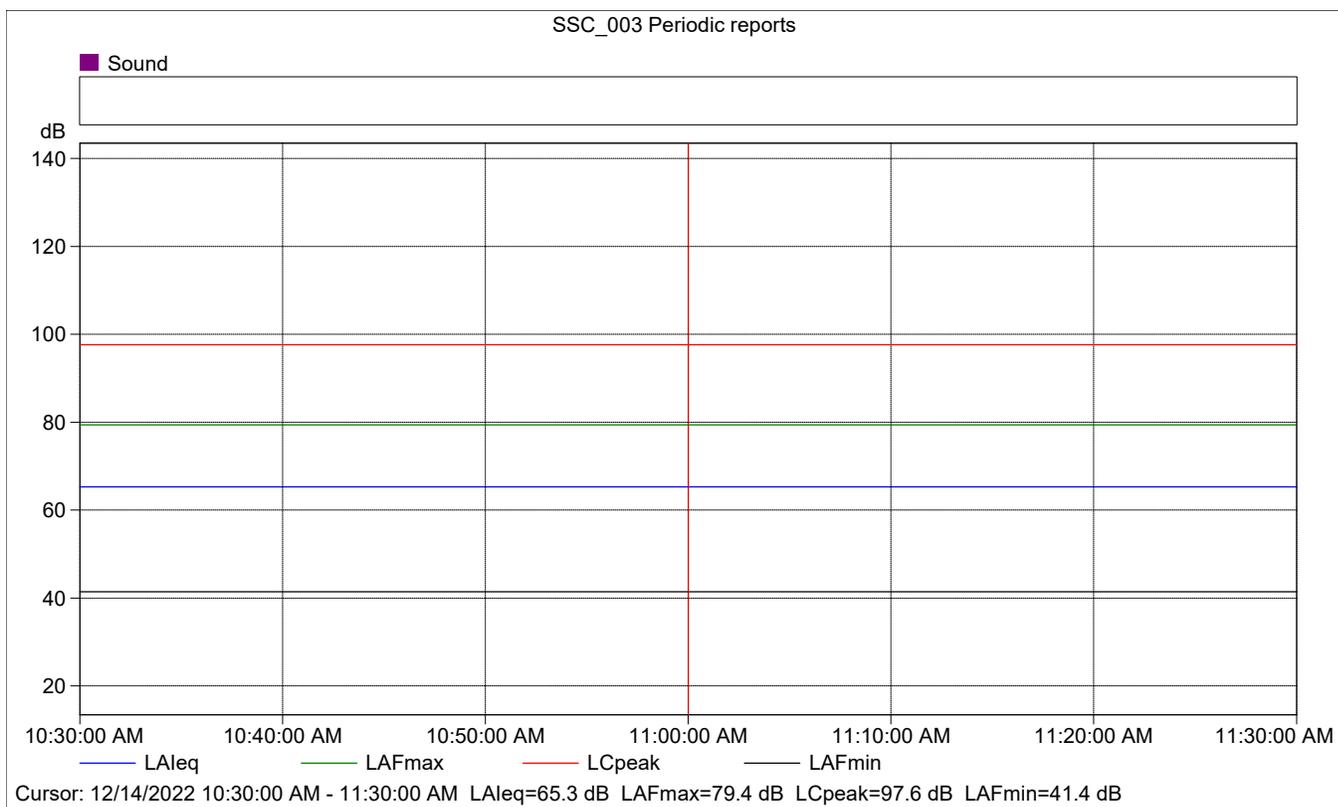
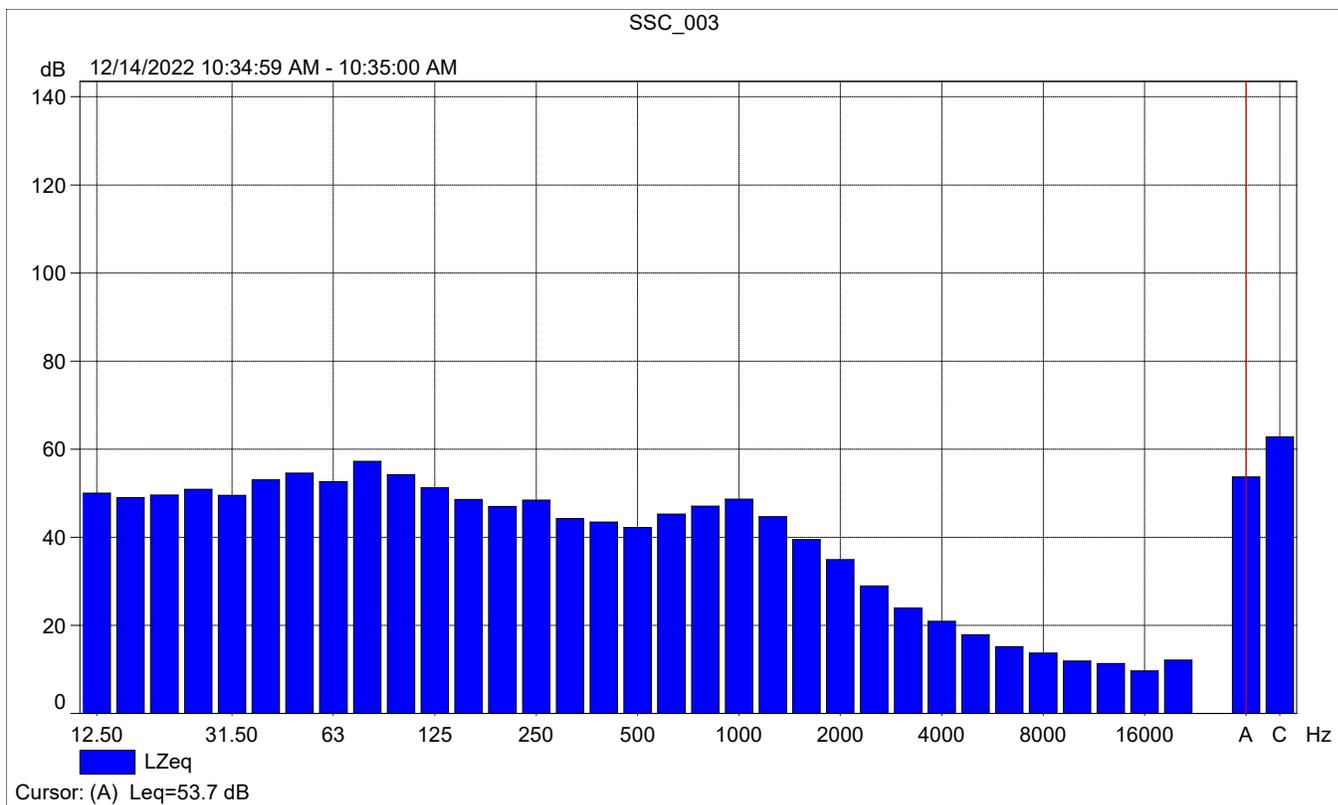
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _{AFmax} [dB]	L _{AFmin} [dB]
Value				0.00	62.2	79.4	41.4
Time	10:30:00 AM	10:40:00 AM	0:10:00				
Date	12/14/2022	12/14/2022					





SSC_003

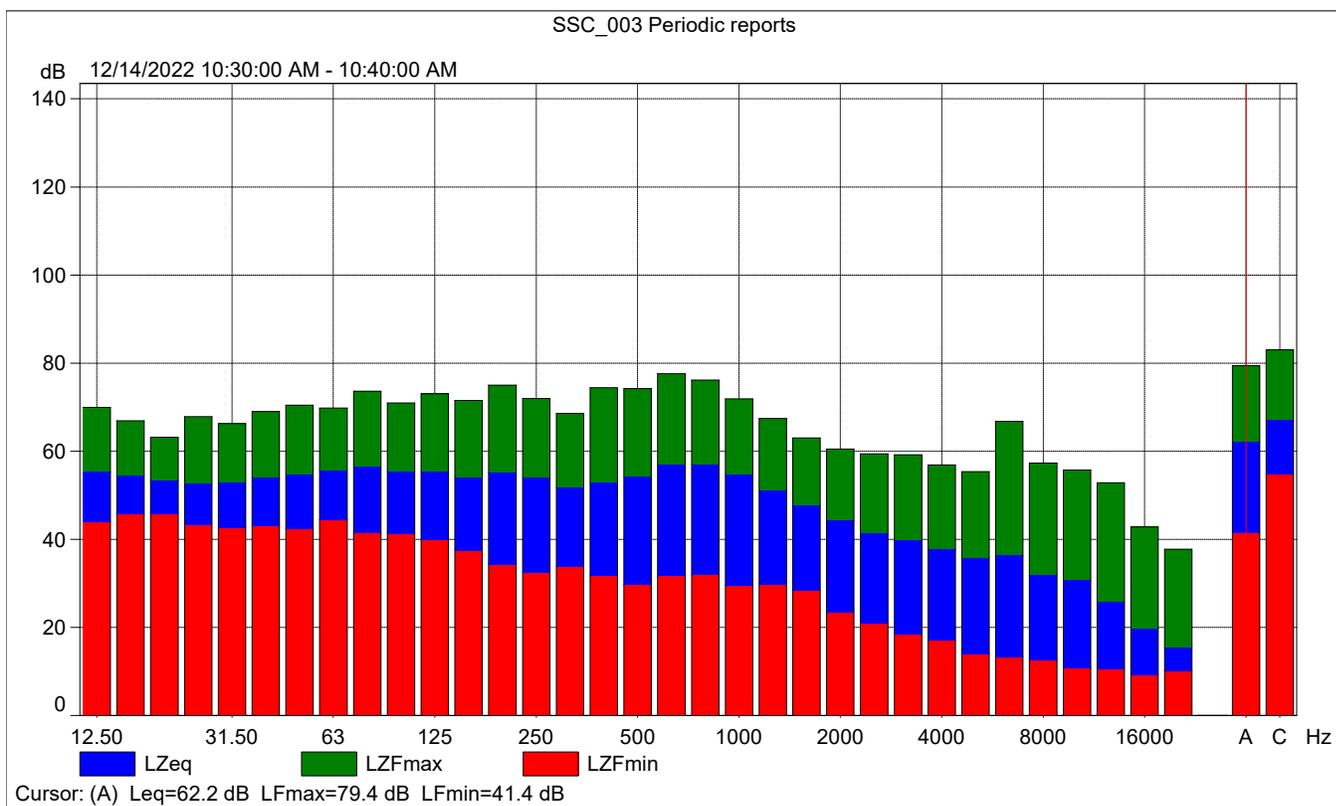
	Start time	Elapsed time	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			64.5	57.6	51.4
Time	10:34:59 AM	0:00:01			
Date	12/14/2022				





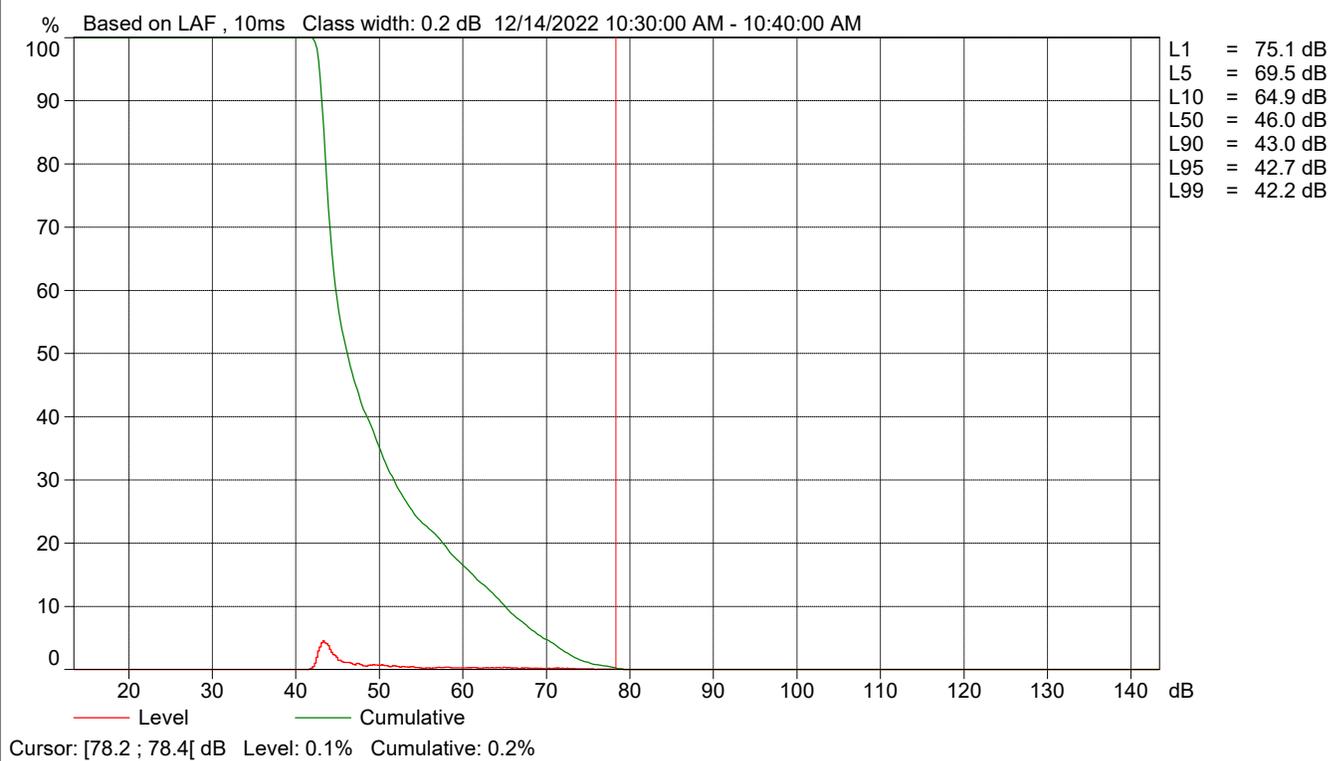
SSC_003 Periodic reports

	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					





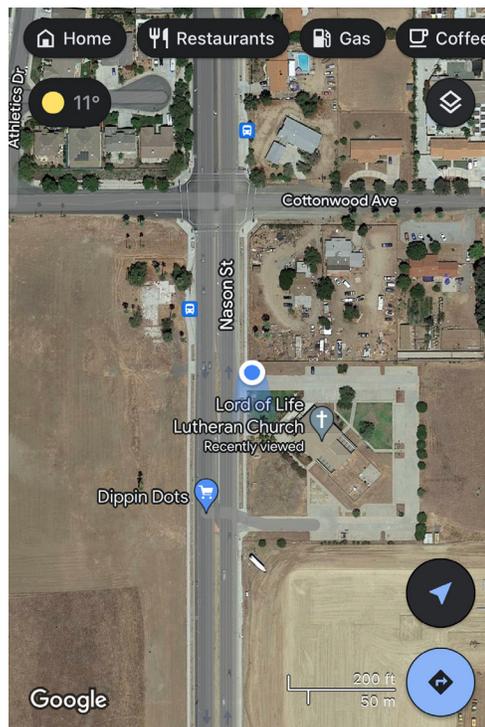
SSC_003 Periodic reports



Site Number: NM-4			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 10:46 a.m.			
Location: Along the sidewalk of Nason Street, in front of Lord of Life Lutheran Church			
Source of Ambient Noise: Traffic noise along Nason Street			
Source of Peak Noise: 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.	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 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

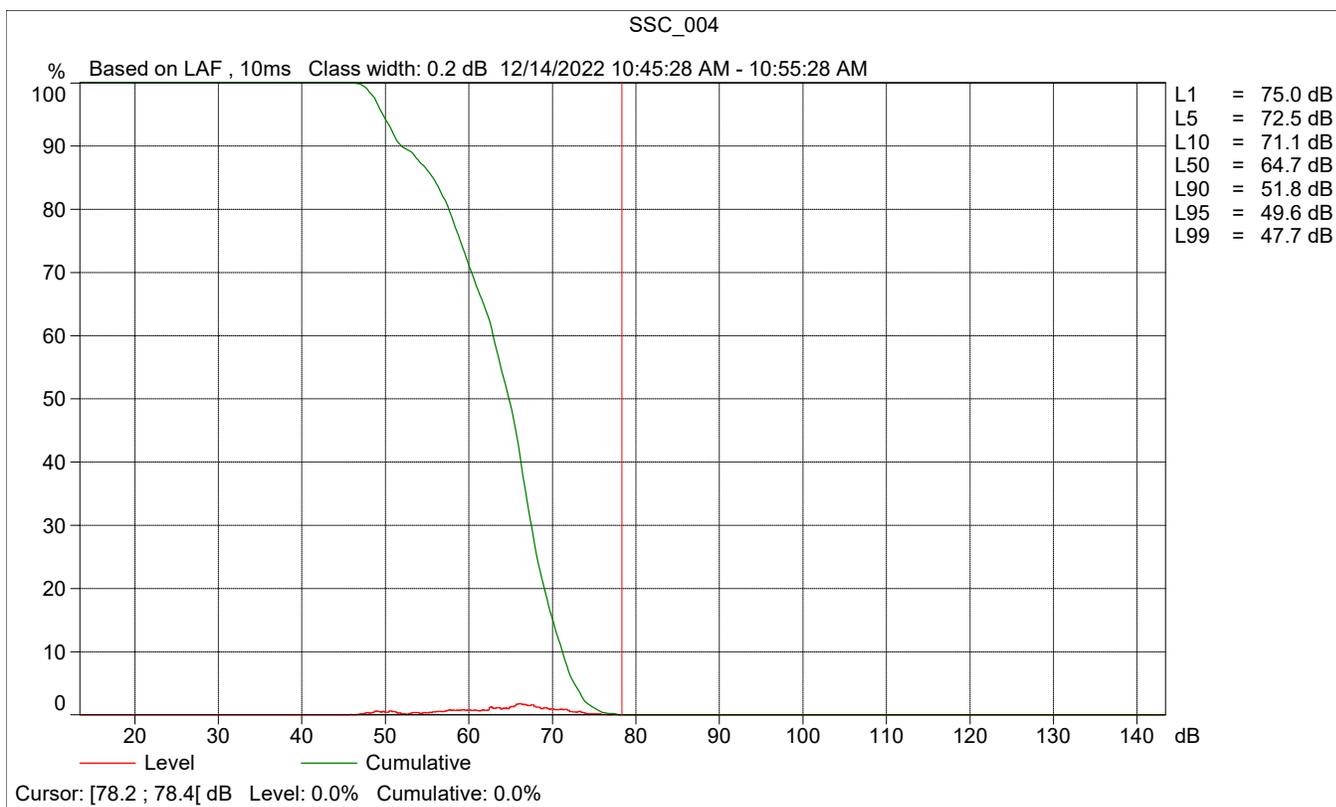
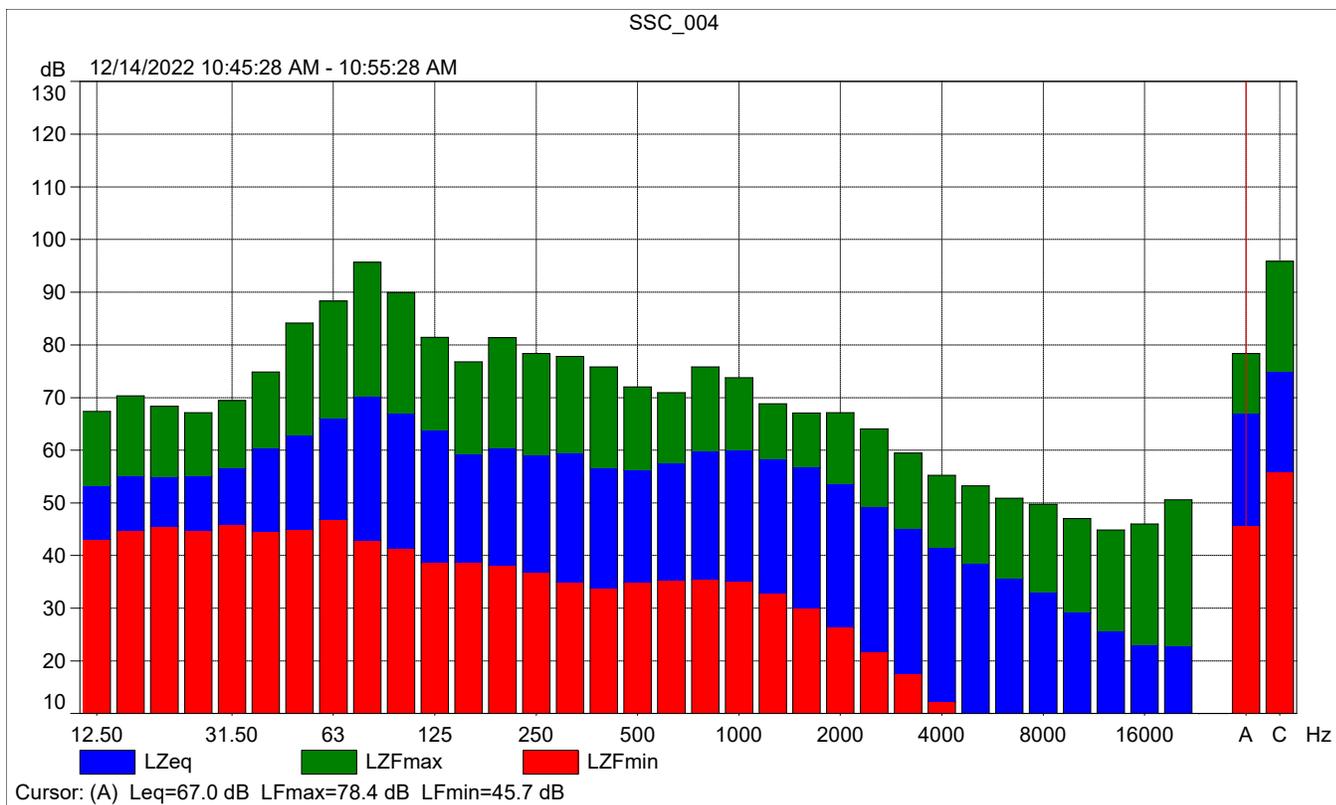
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

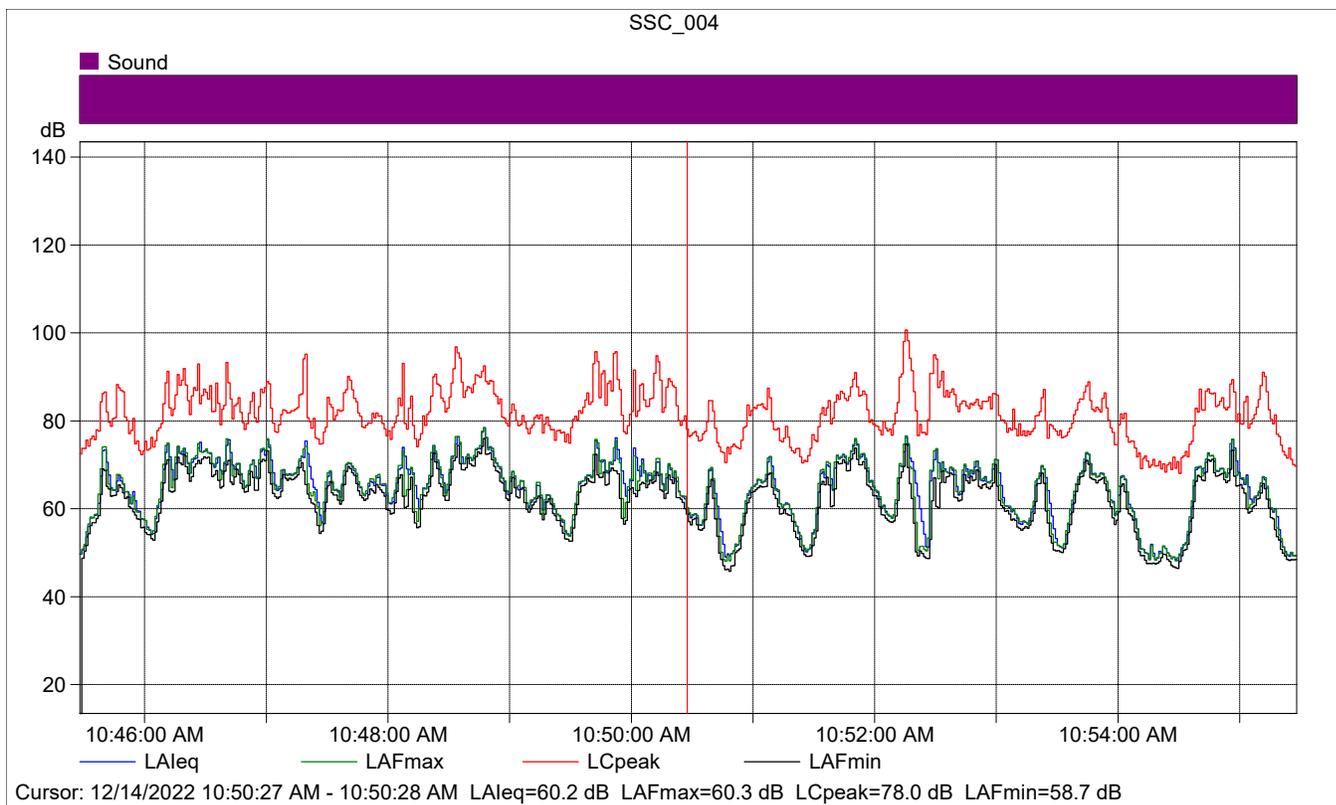
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_004

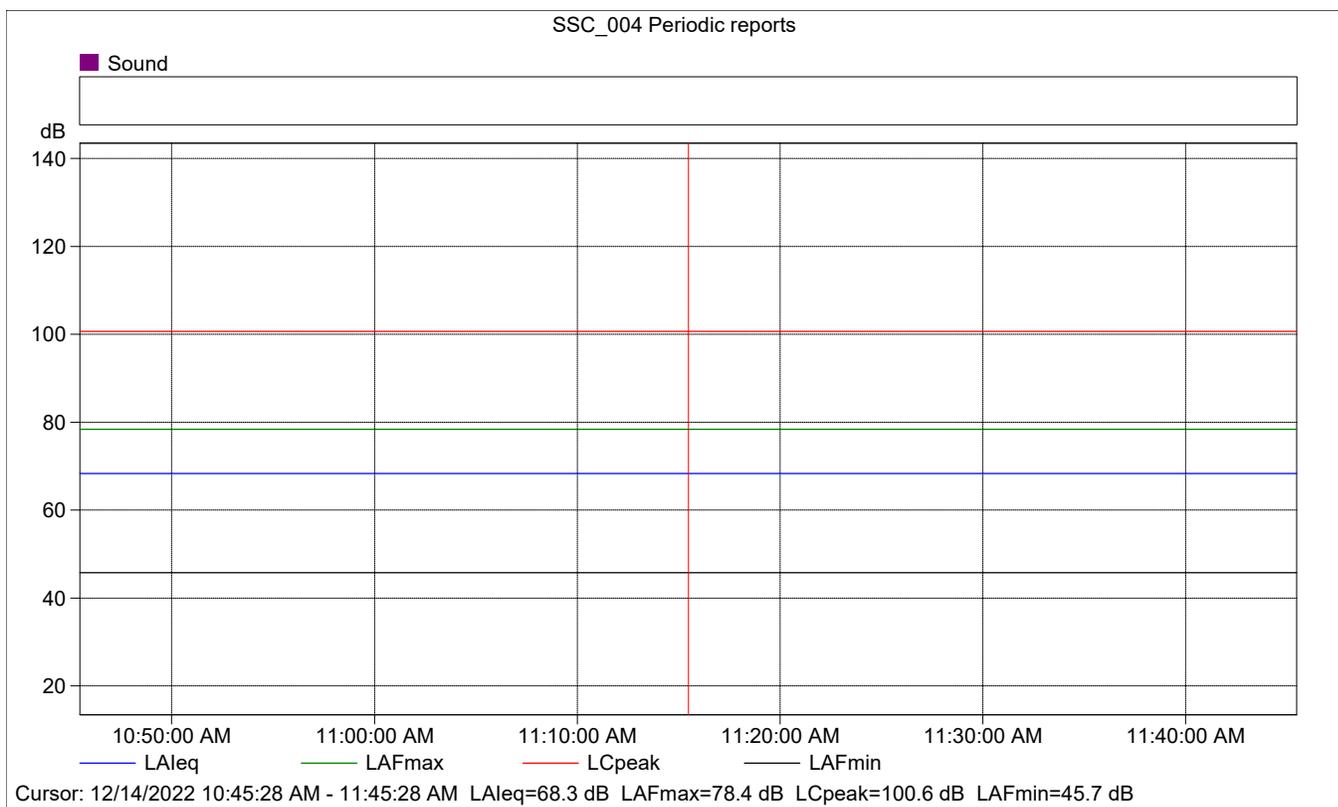
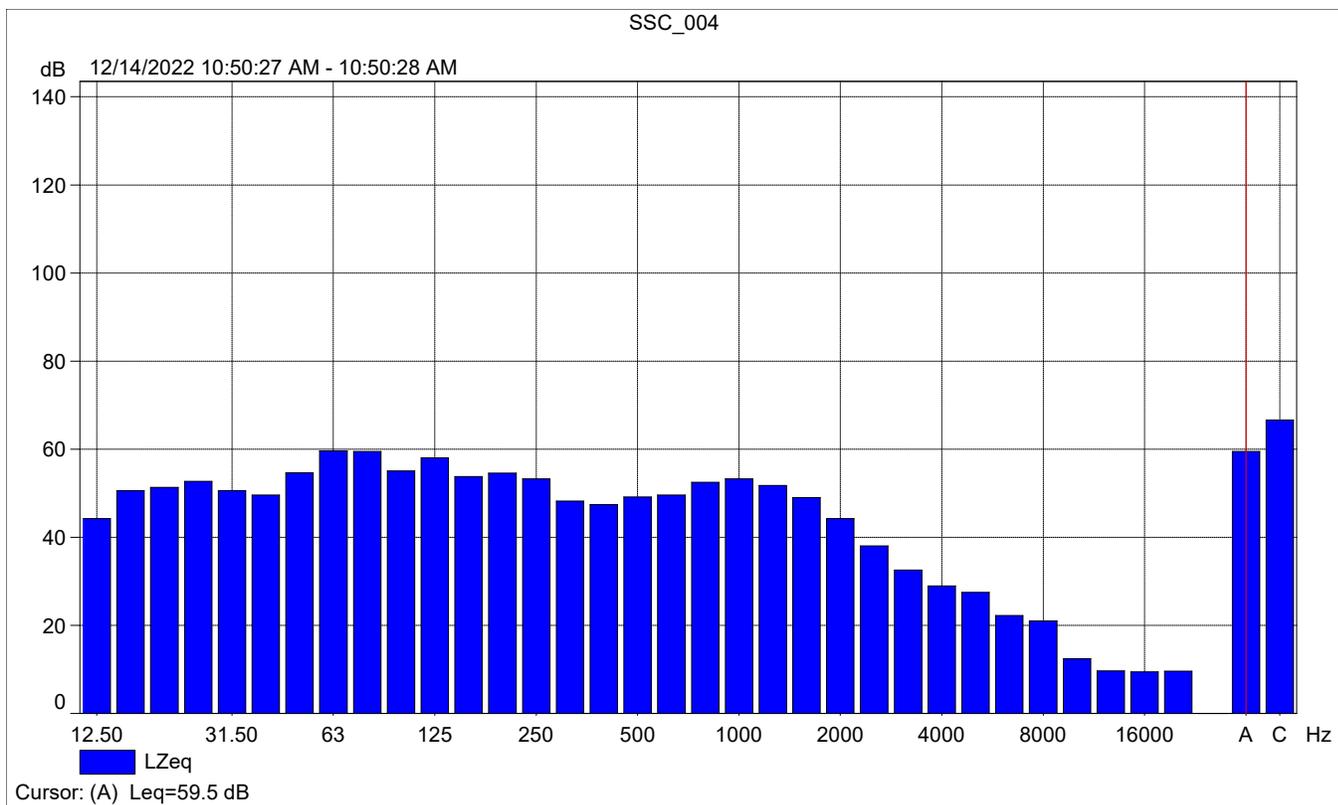
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _{AFmax} [dB]	L _{AFmin} [dB]
Value				0.00	67.0	78.4	45.7
Time	10:45:28 AM	10:55:28 AM	0:10:00				
Date	12/14/2022	12/14/2022					





SSC_004

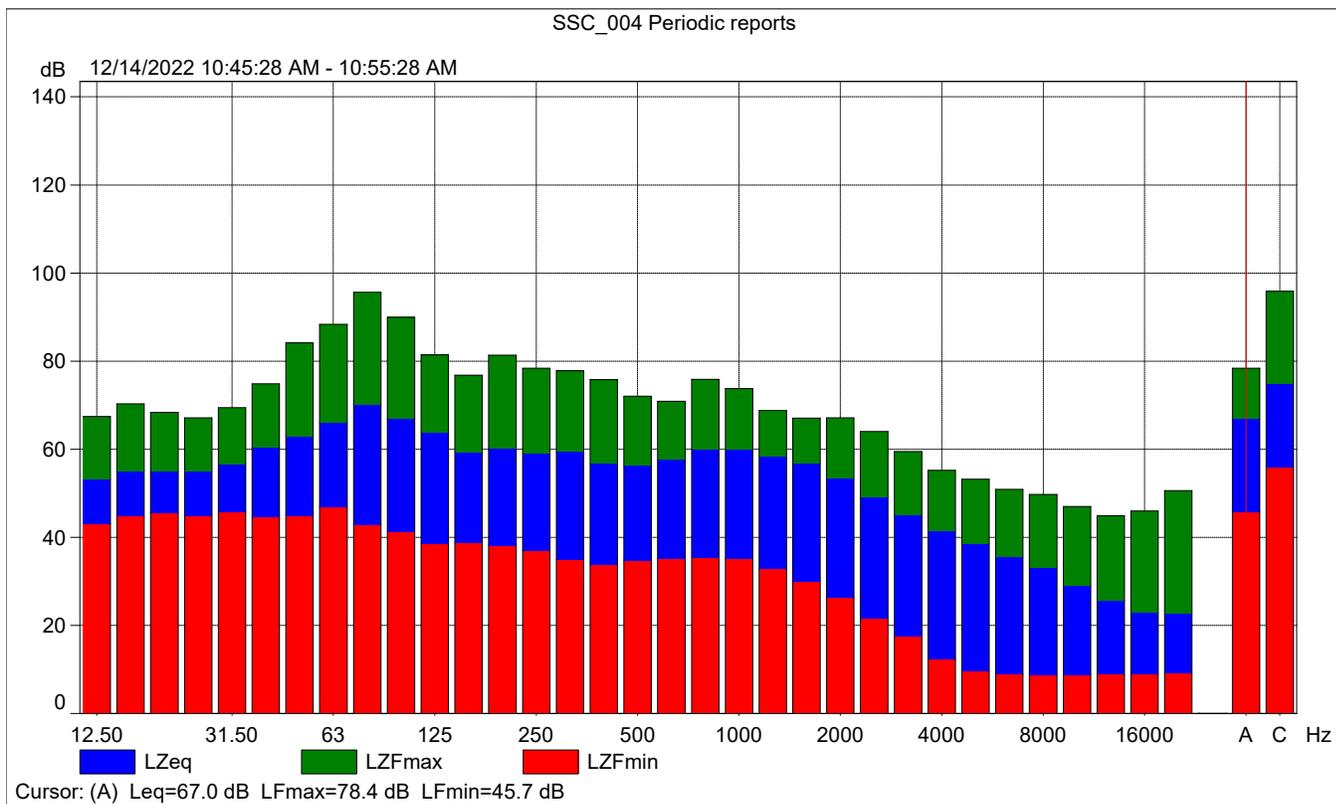
	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			60.2	60.3	58.7
Time	10:50:27 AM	0:00:01			
Date	12/14/2022				





SSC_004 Periodic reports

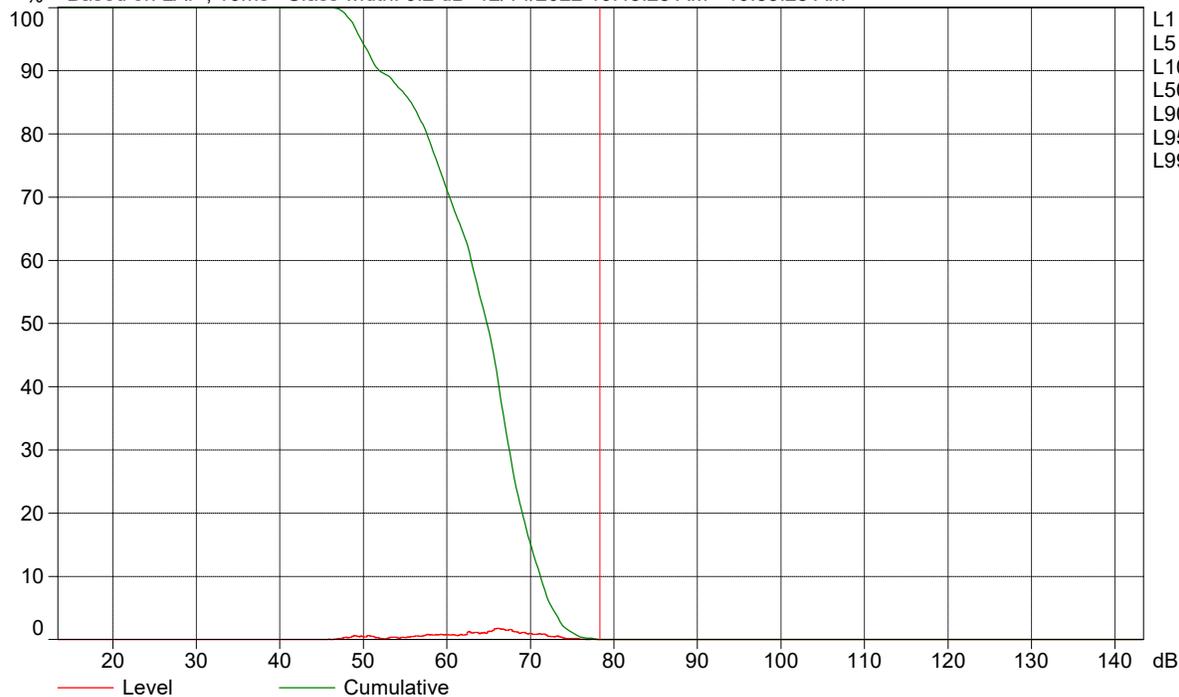
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	68.3	78.4	45.7
Time	10:45:28 AM	0:10:00				
Date	12/14/2022					





SSC_004 Periodic reports

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

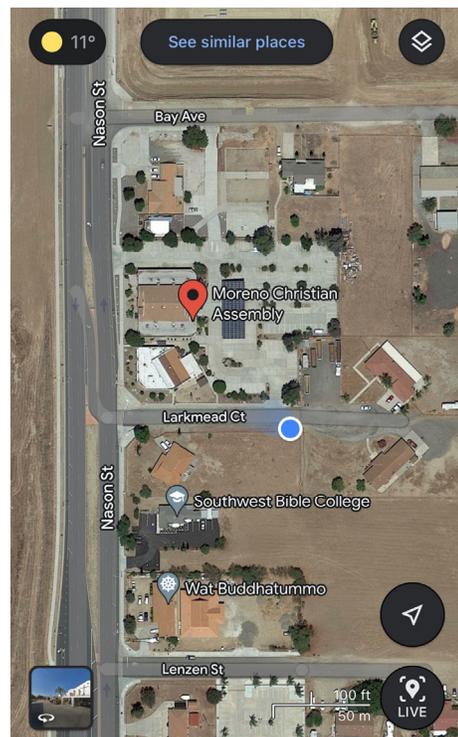


Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

Site Number: NM-5			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 11:39 a.m.			
Location: On the sidewalk of Larkmead Court			
Source of Ambient Noise: Traffic noise along Nason Street			
Source of Peak Noise: 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

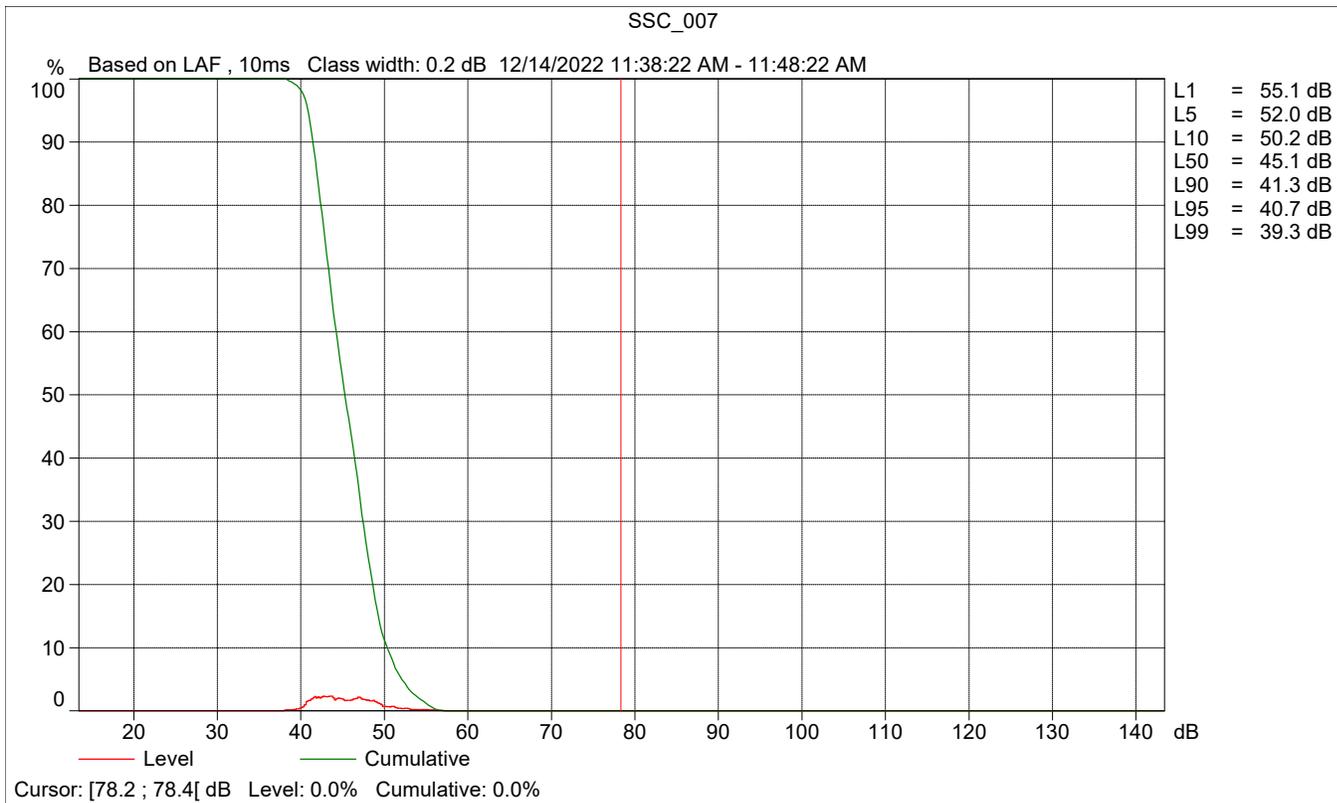
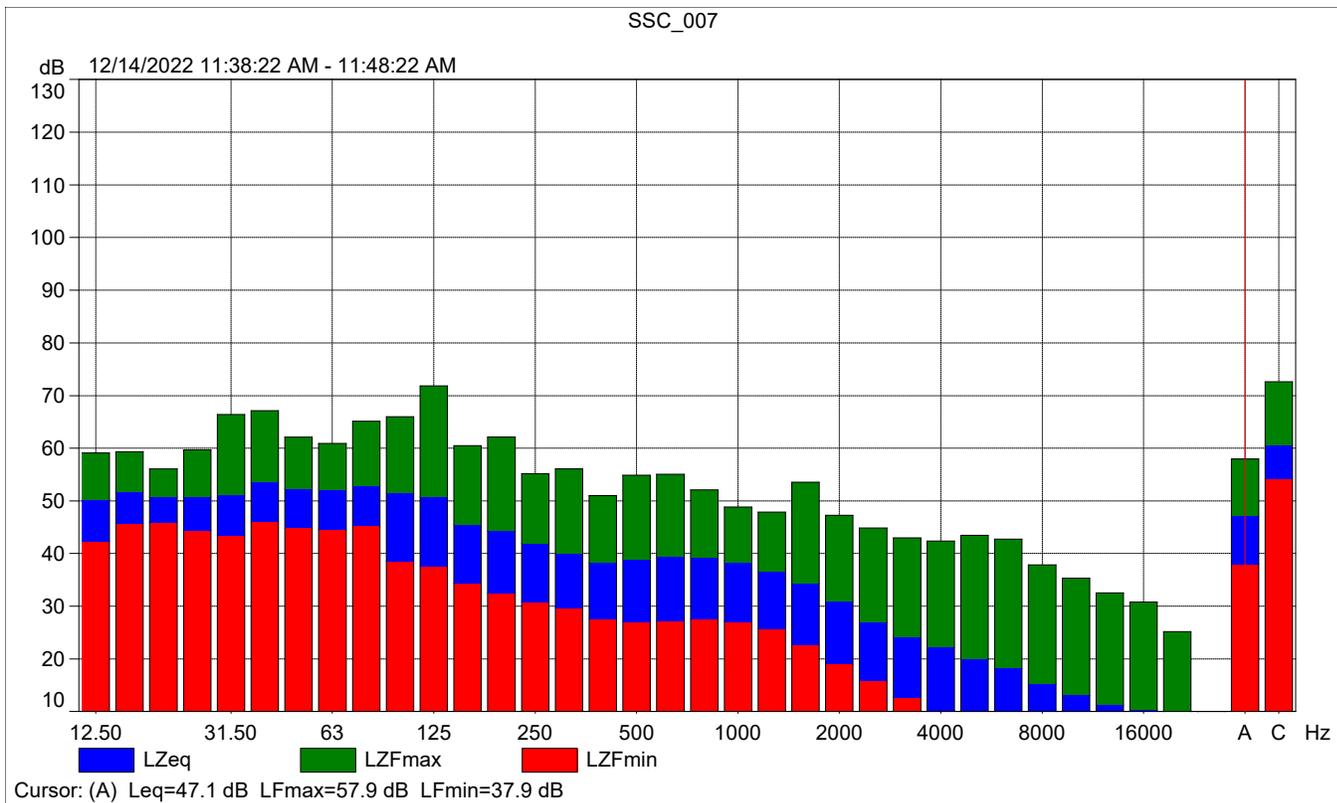
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

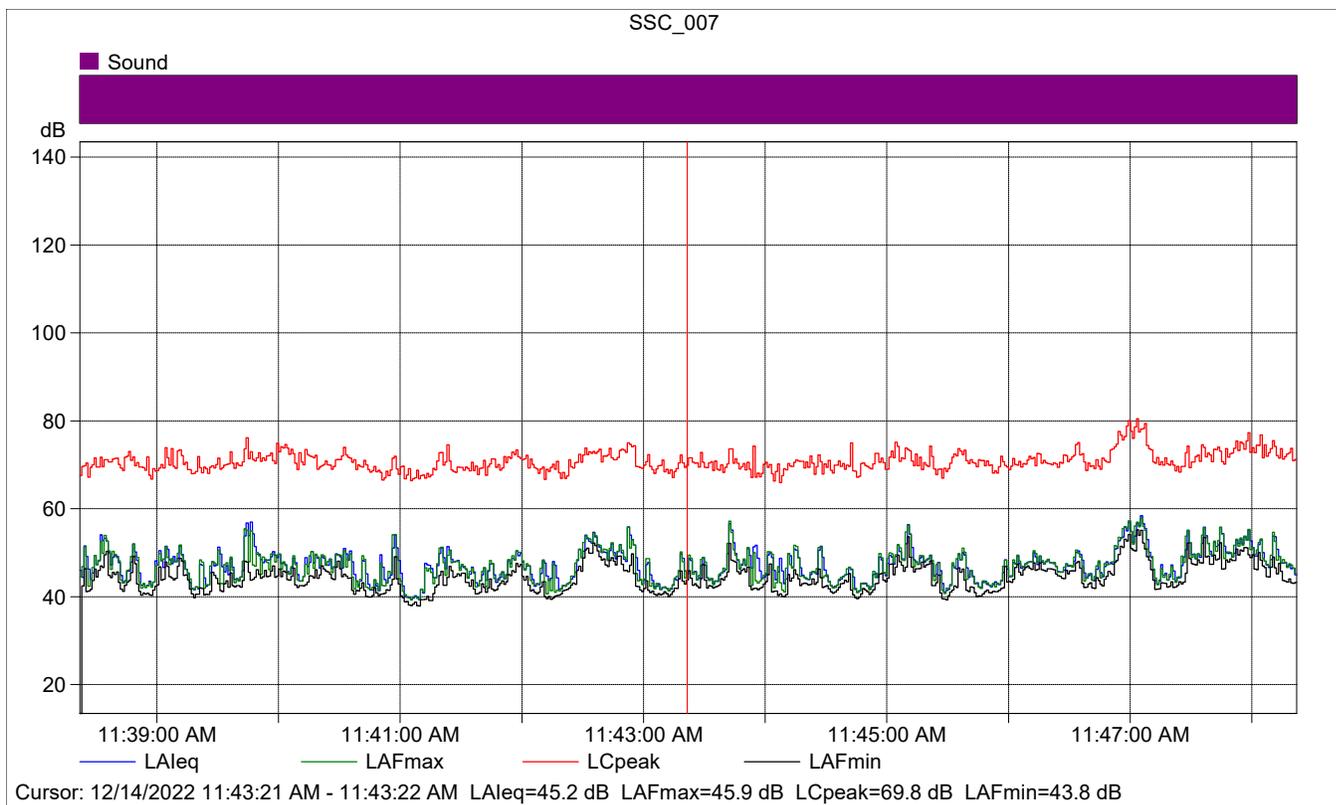
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_007

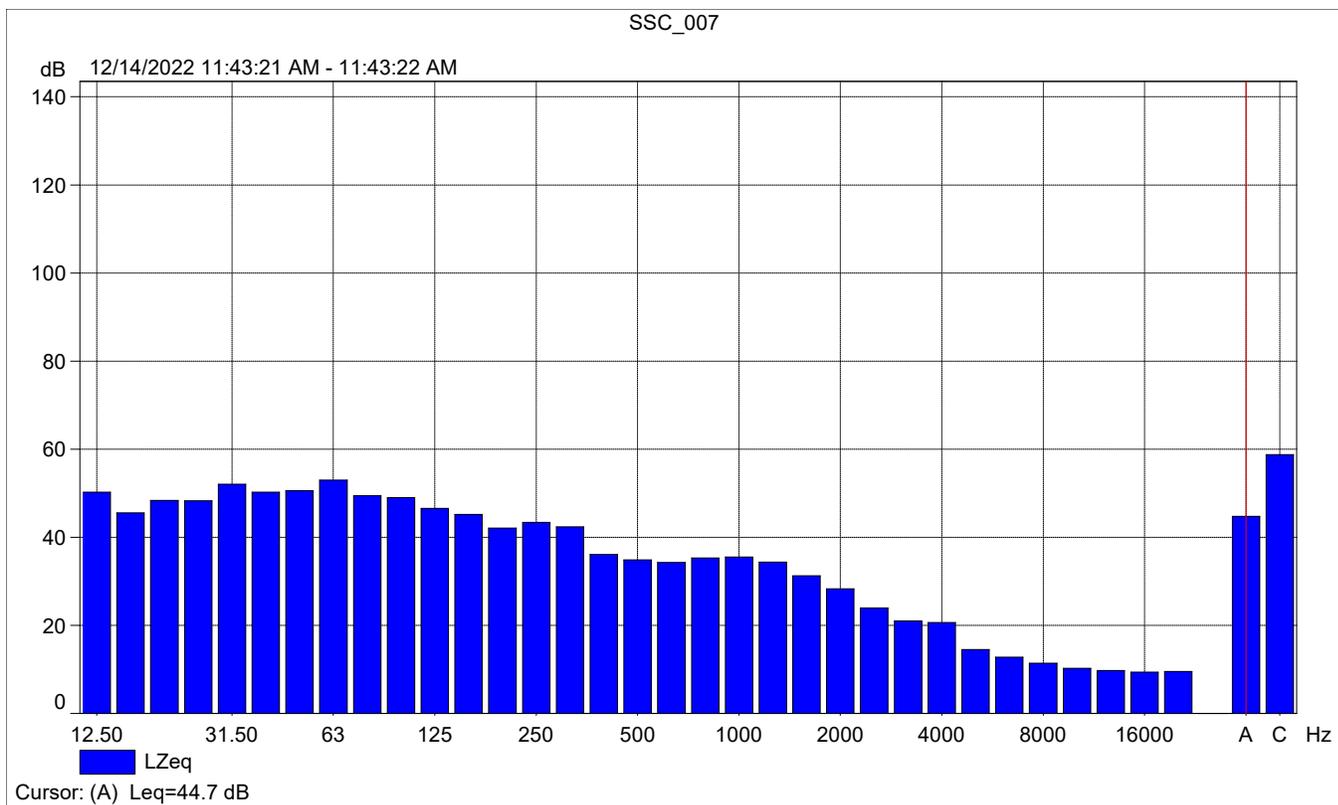
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _{AFmax} [dB]	L _{AFmin} [dB]
Value				0.00	47.1	57.9	37.9
Time	11:38:22 AM	11:48:22 AM	0:10:00				
Date	12/14/2022	12/14/2022					





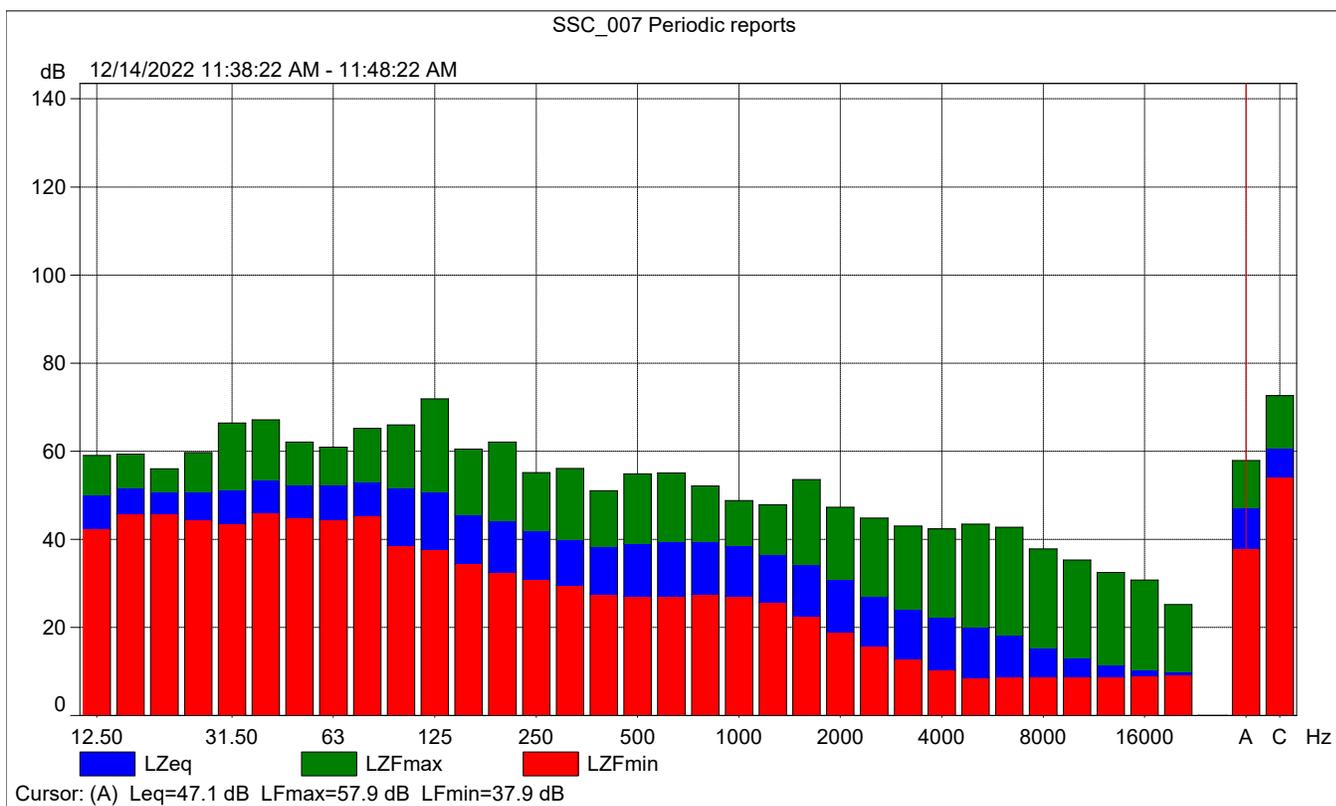
SSC_007

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



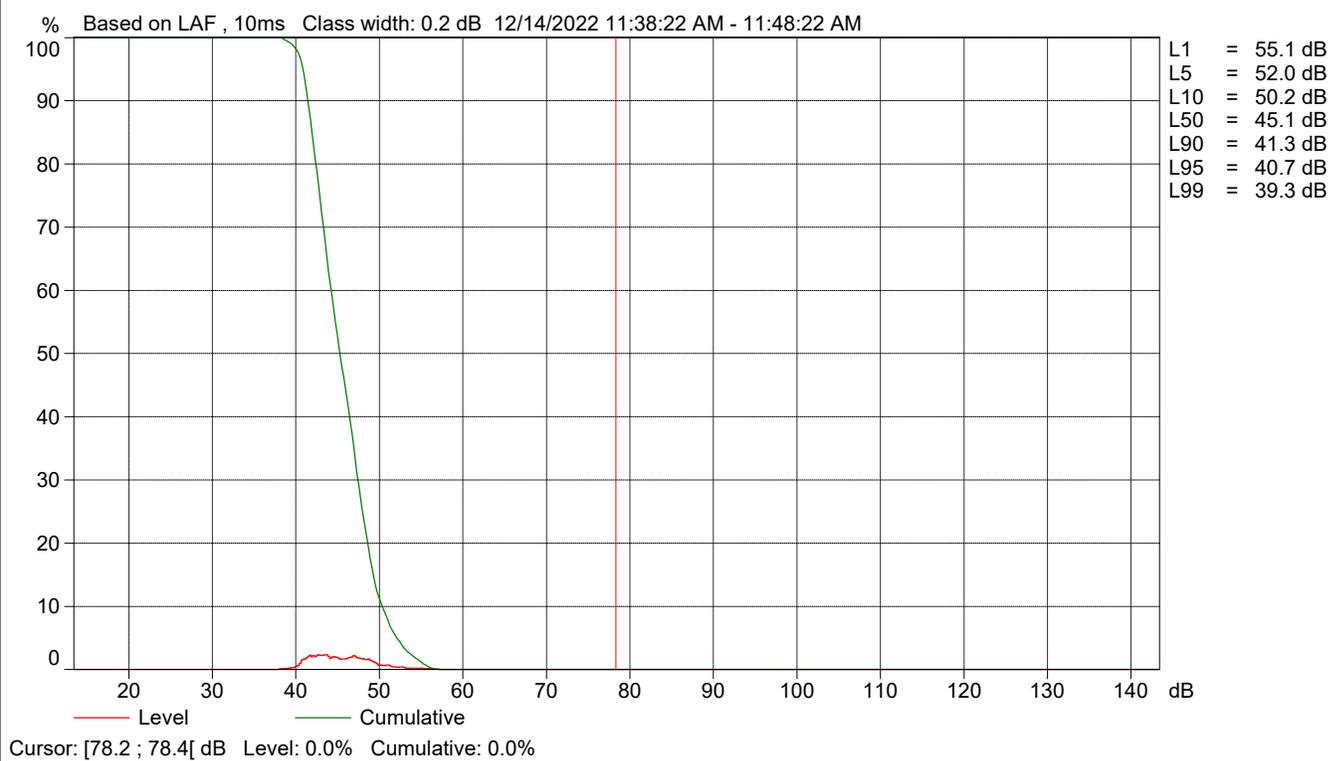
SSC_007 Periodic reports

	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					





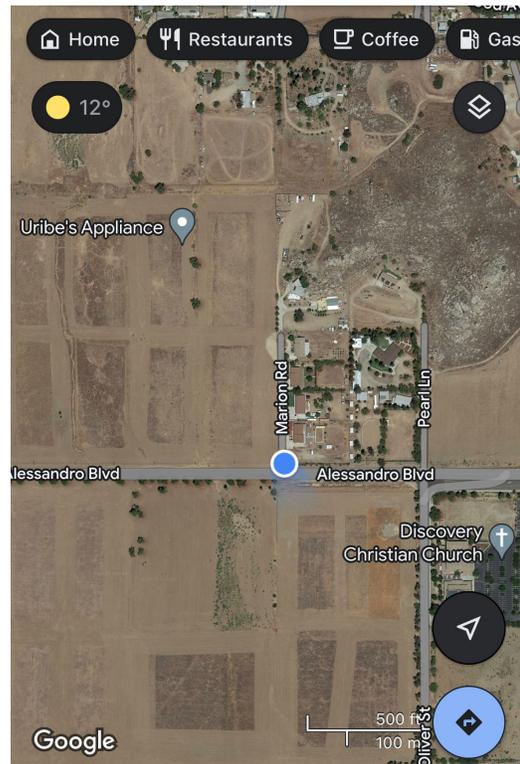
SSC_007 Periodic reports



Site Number: NM-6			
Recorded By: Darshan Shivaiah, Tina Yuan			
Job Number: 184659			
Date: 12/14/22			
Time: 11:22 a.m.			
Location: At the intersection of Marion Road and Alessandro Boulevard			
Source of Ambient Noise: Traffic noise along Alessandro Boulevard			
Source of Peak Noise: 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

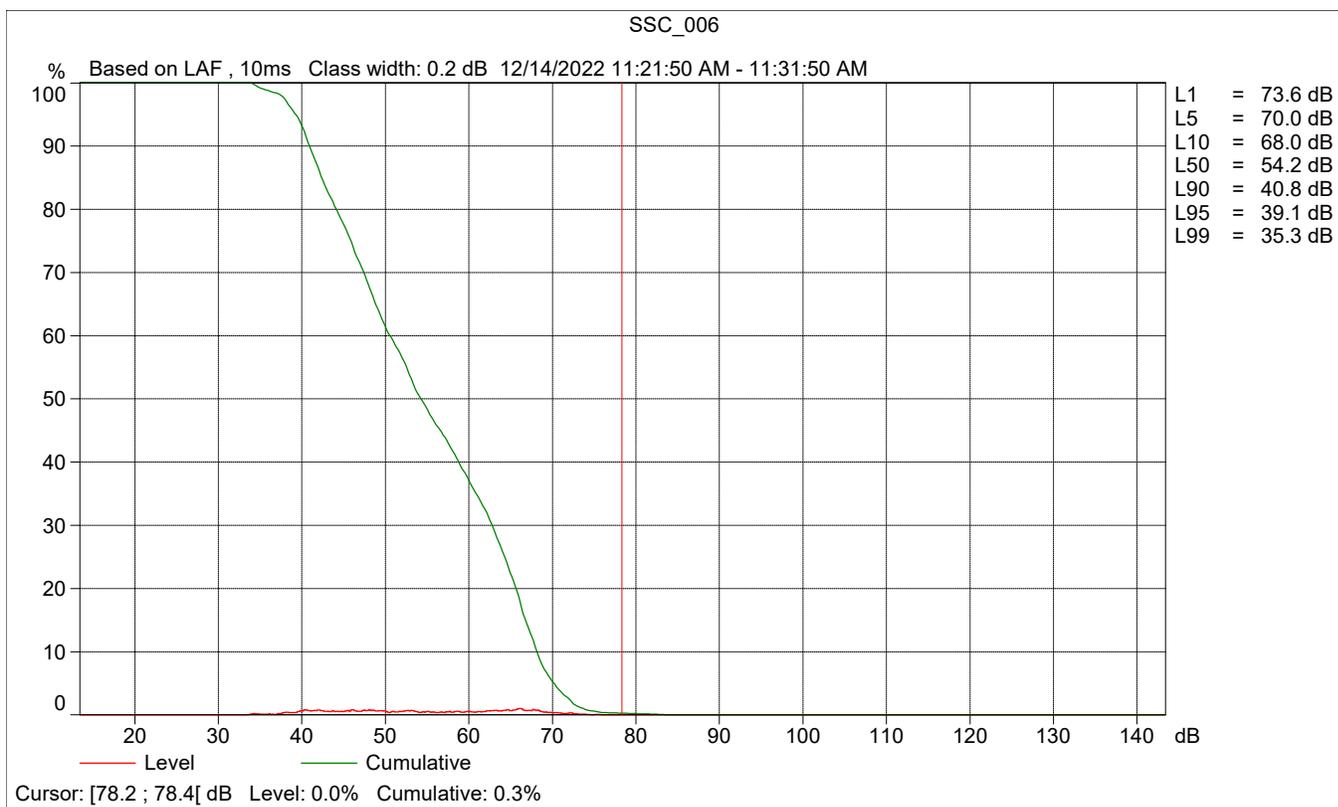
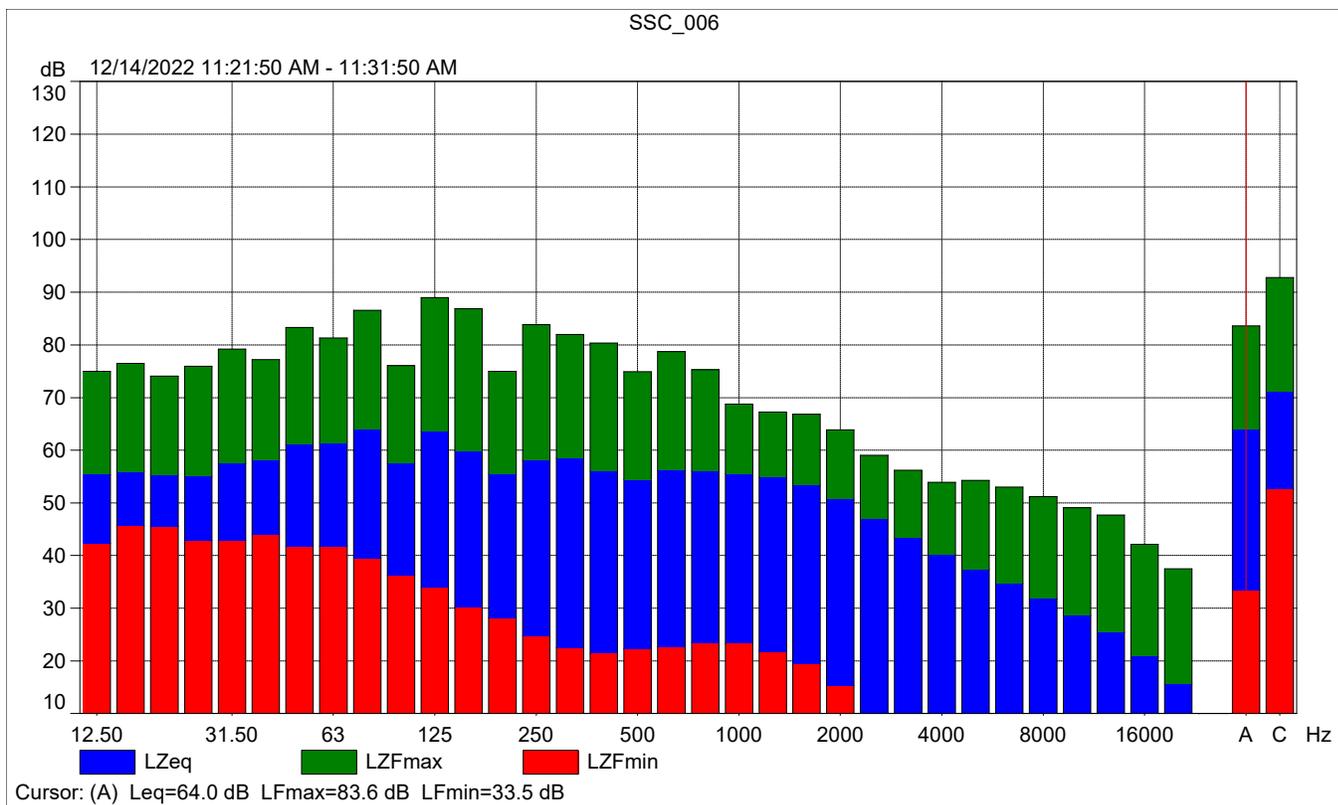
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

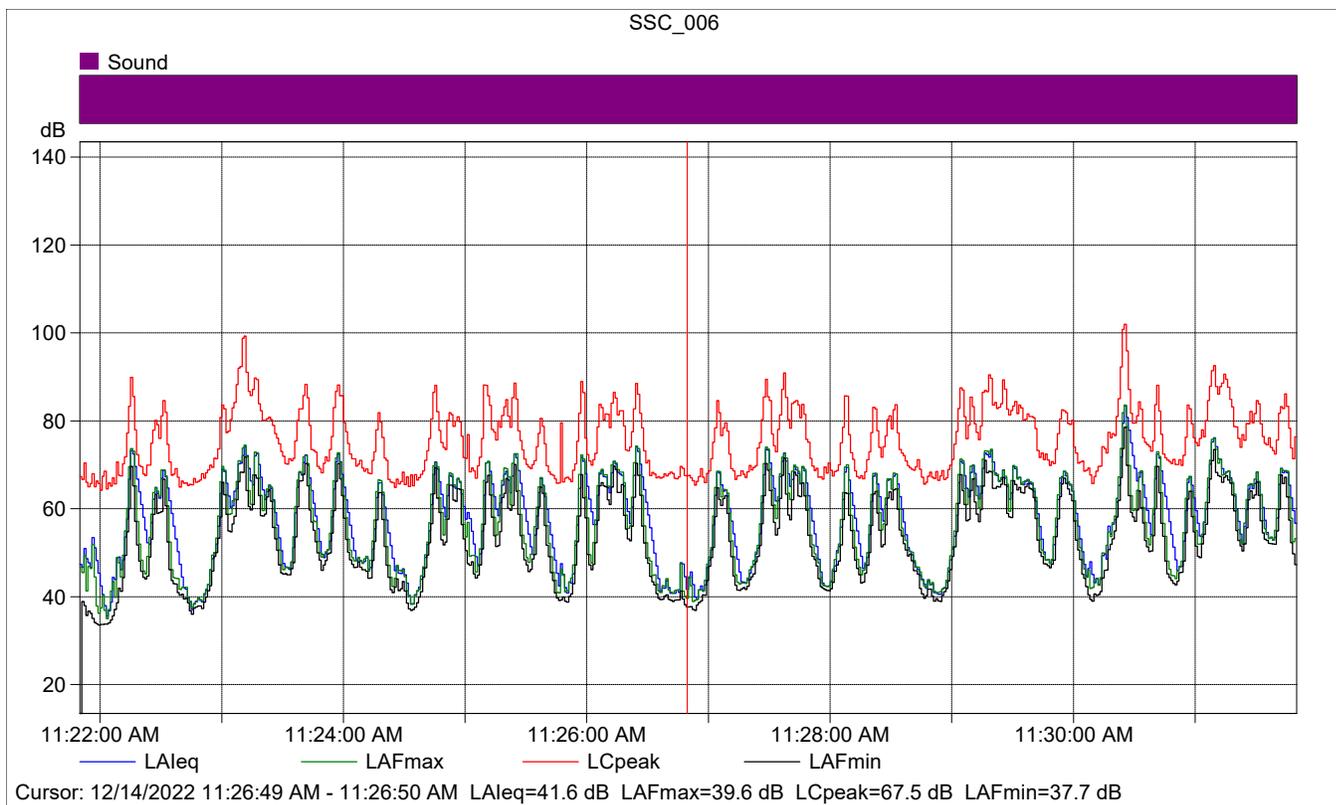
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

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

SSC_006

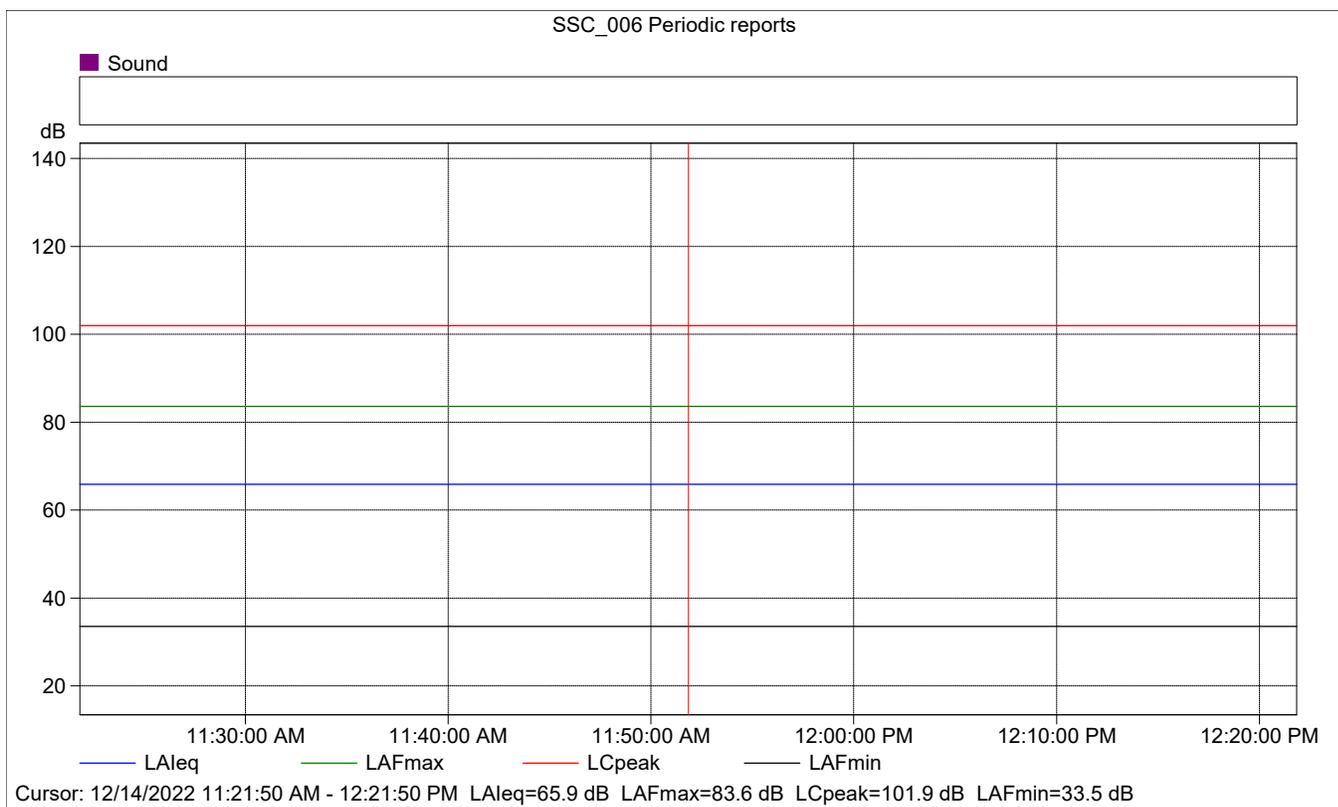
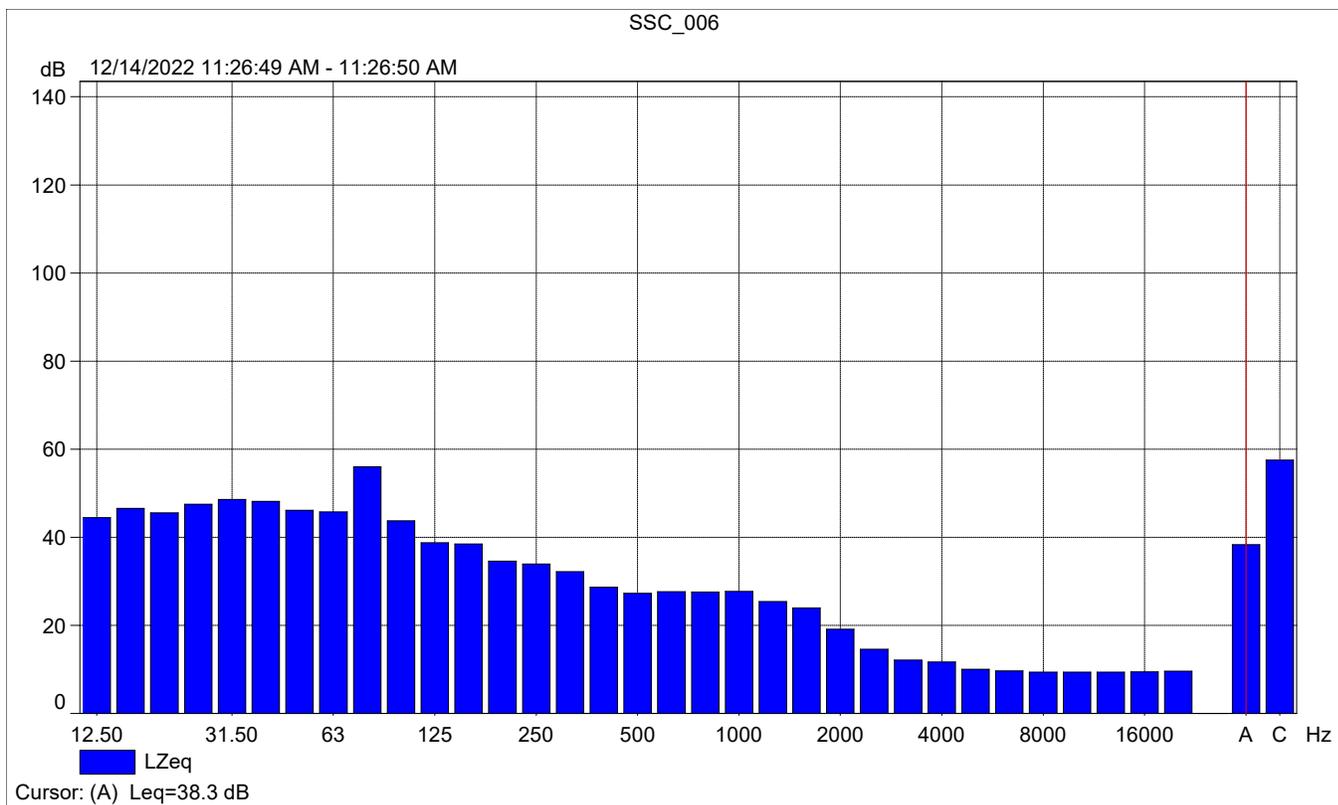
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _{AFmax} [dB]	L _{AFmin} [dB]
Value				0.00	64.0	83.6	33.5
Time	11:21:50 AM	11:31:50 AM	0:10:00				
Date	12/14/2022	12/14/2022					





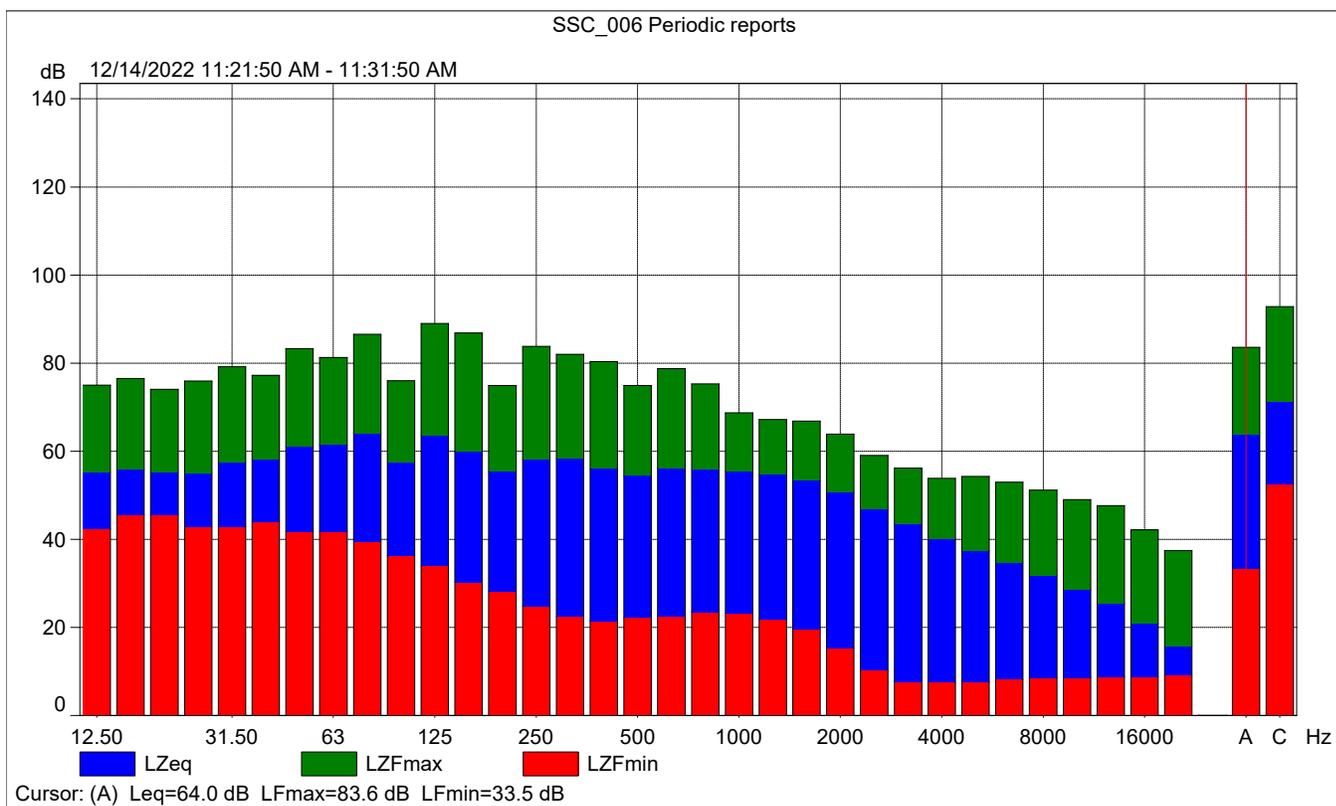
SSC_006

	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

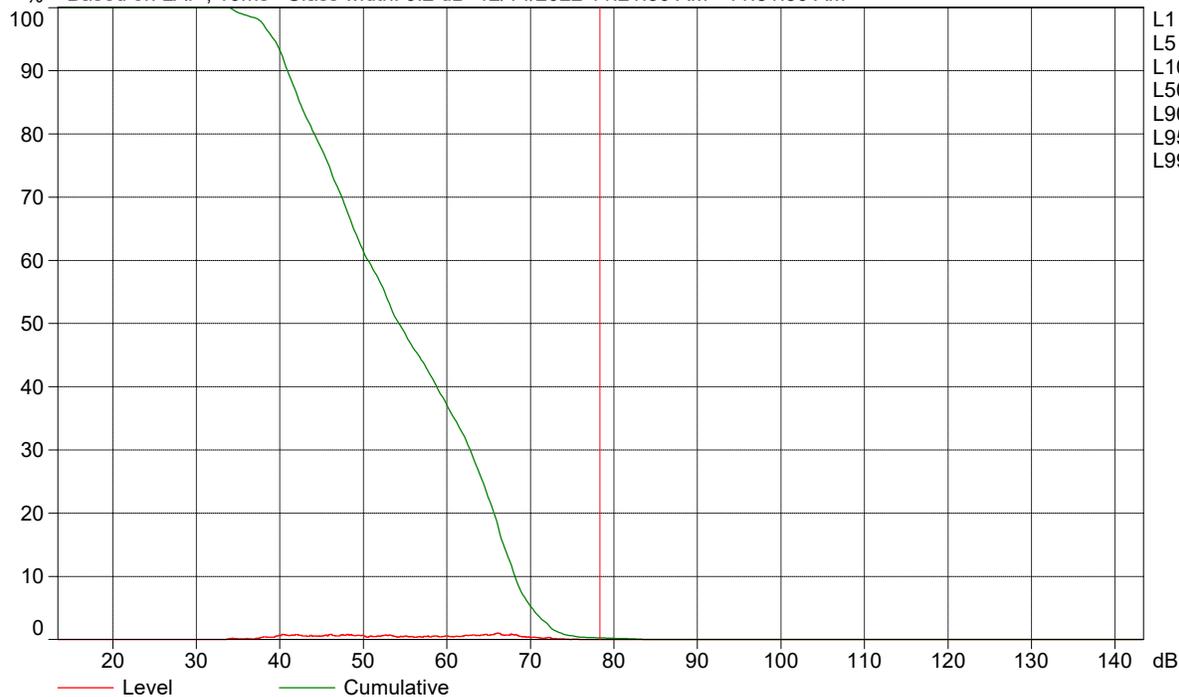
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	65.9	83.6	33.5
Time	11:21:50 AM	0:10:00				
Date	12/14/2022					





SSC_006 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/14/2022 11:21:50 AM - 11:31:50 AM



Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.3%

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 184659
Project Name: TTM 38443
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	
Cottonwood Avenue Nason Street to Project's Western Boundary	2	0	4,314	40	0.5	1.8%	0.7%	56.5	-	-	59	126	100
Alessandro Boulevard Lasselle Street to Morrison Street	2	0	25,775	50	0.5	1.8%	0.7%	66.6	59	128	275	592	100
Alessandro Boulevard Morrison Street to Nason Street	2	0	22,307	50	0.5	1.8%	0.7%	66.0	54	116	250	538	100
Alessandro Boulevard Nason to Project's Western Boundary	2	0	24,320	50	0.5	1.8%	0.7%	66.3	57	123	264	570	100

¹ 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 38443
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	
Cottonwood Avenue 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
Alessandro Boulevard 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
Alessandro Boulevard 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
Alessandro Boulevard 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

¹ 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 38443
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	
Cottonwood Avenue Cottonwood Avenue from Nason Street to Project's Western Boundary	4	12	4,259	50	0.5	1.8%	0.7%	59.0	-	-	85	183	100
Alessandro Boulevard Alessandro Boulevard from Lasselle Street to Morrison Street	6	14	27,063	50	0.5	1.8%	0.7%	67.3	66	142	305	657	100
Alessandro Boulevard 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
Alessandro Boulevard Alessandro Boulevard from Nason to Project's Western Boundary	6	14	25,536	50	0.5	1.8%	0.7%	67.0	63	136	294	632	100

¹ 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 38443
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	
Cottonwood Avenue Cottonwood Avenue from Nason Street to Project's Western Boundary	4	12	5,281	50	0.5	1.8%	0.7%	59.9	-	-	98	212	100
Alessandro Boulevard Alessandro Boulevard from Lasselle Street to Morrison Street	6	14	27,377	50	0.5	1.8%	0.7%	67.3	66	143	308	663	100
Alessandro Boulevard Alessandro Boulevard from Morrison Street to Nason Street	6	14	23,439	50	0.5	1.8%	0.7%	66.6	-	129	277	597	100
Alessandro Boulevard Alessandro Boulevard from Nason to Project's Western Boundary	6	14	25,762	50	0.5	1.8%	0.7%	67.1	64	137	295	636	100

¹ 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)