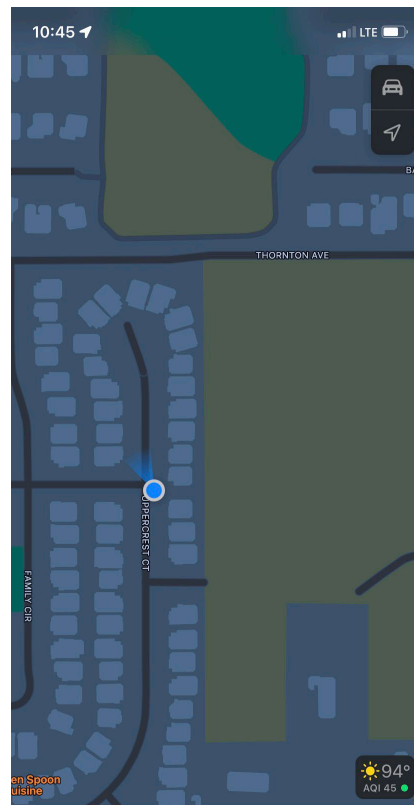


APPENDIX G
NOISE MODELING

Site Number: NM-1		
Recorded By: Darshan Shivaiah, Dennis Dinh		
Job Number: 195692		
Date: 7/27/2023		
Time: 10:41 a.m.		
Location: In front of 27340 Uppercrest Court		
Source of Ambient Noise: Vehicles passing along Uppercrest Court		
Source of Peak Noise: Vehicles passing along Uppercrest Court		
Noise Data		
Leq (dB)	Lmax(dB)	Lmin (dB)
40.3	58.6	29.7

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	06/04/2023	
	Microphone	Brüel & Kjær	4189	3086765	06/04/2023	
	Preamp	Brüel & Kjær	ZC 0032	25380	06/04/2023	
	Calibrator	Brüel & Kjær	4231	2545667	06/04/2023	
Weather Data						
Est.	Duration: 10 minutes		Sky: Sunny			
	Note: dBA Offset = 0.02		Sensor Height (ft): 5 ft			
	Wind Ave Speed (mph / m/s)	Temperature (degrees Fahrenheit)		Barometer Pressure (inches)		
	3 mph	93		29.89		

Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		07/27/2023 10:41:17
End Time:		07/27/2023 10:51:17
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

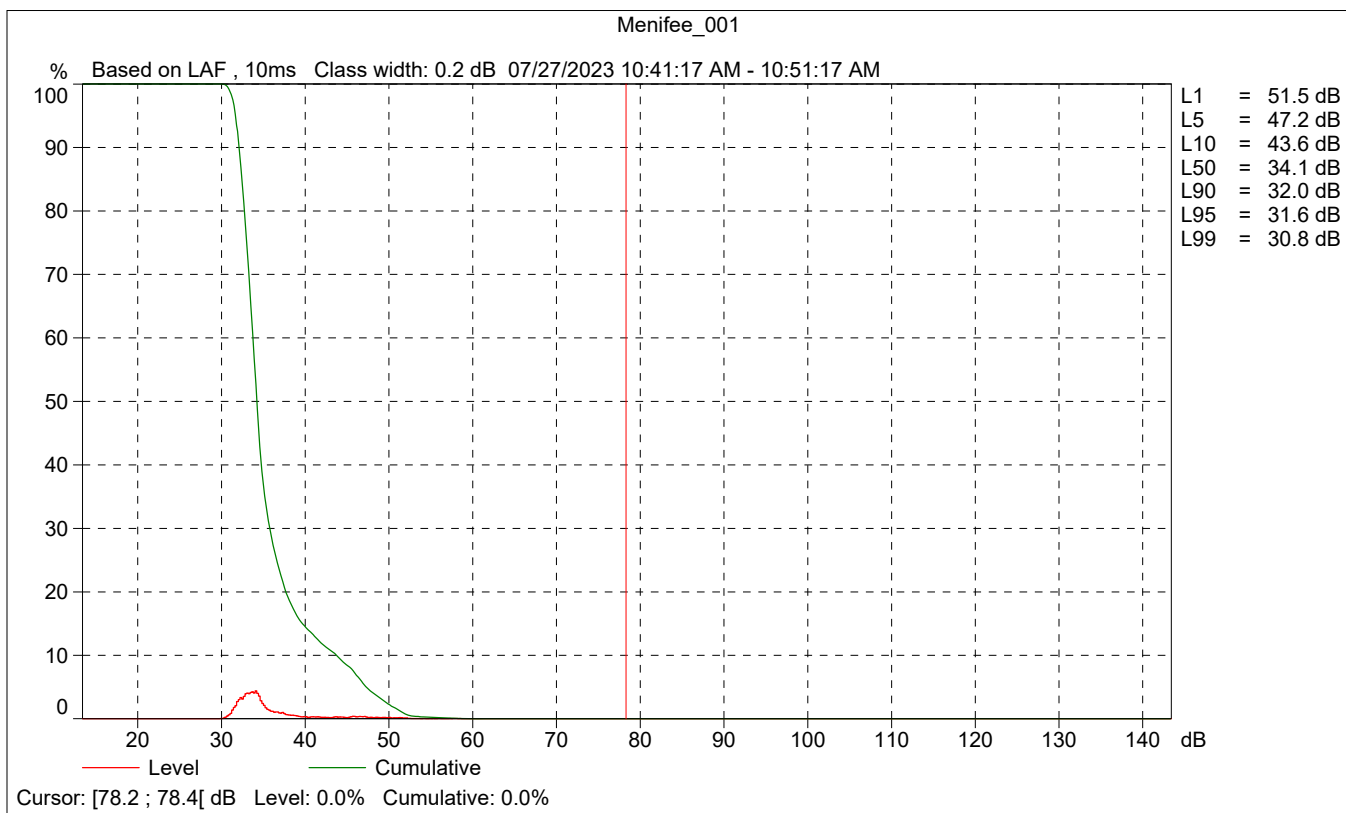
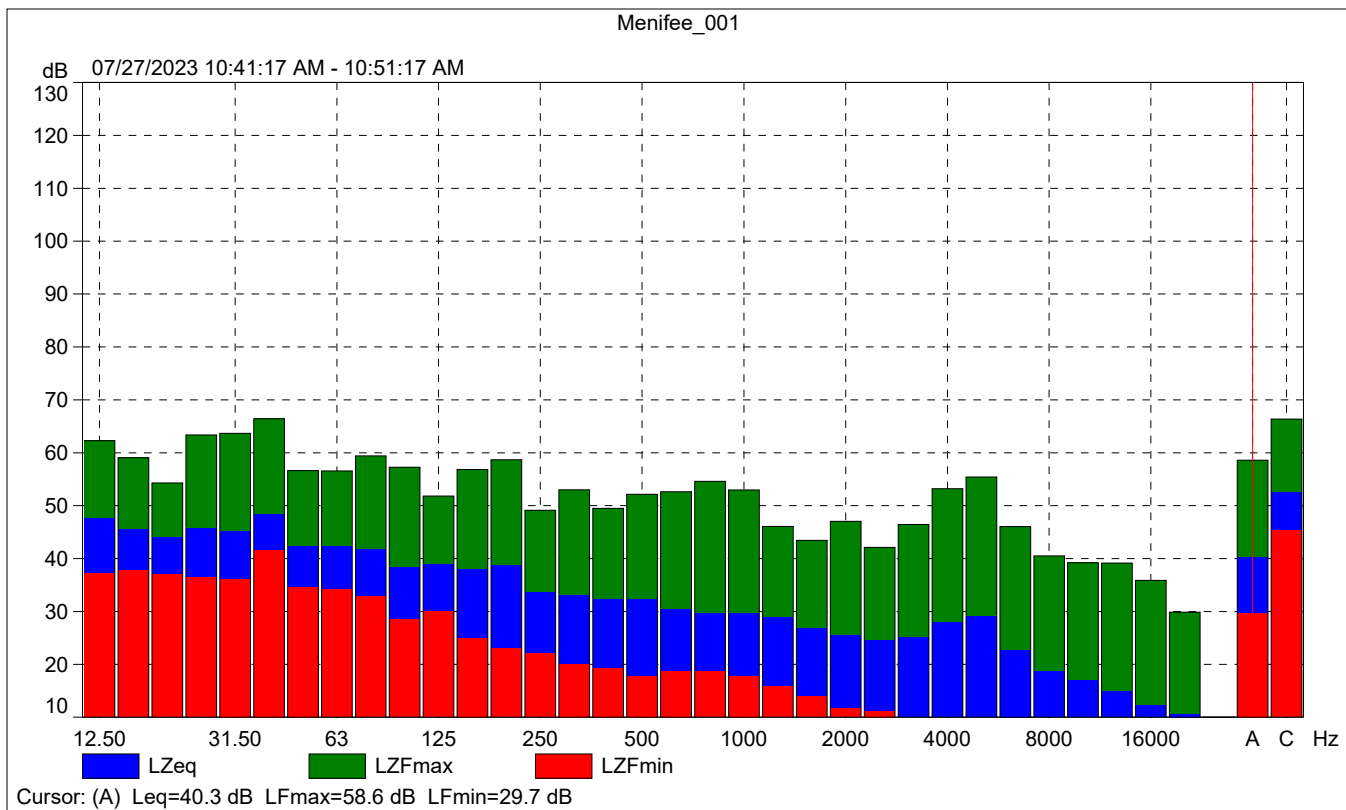
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

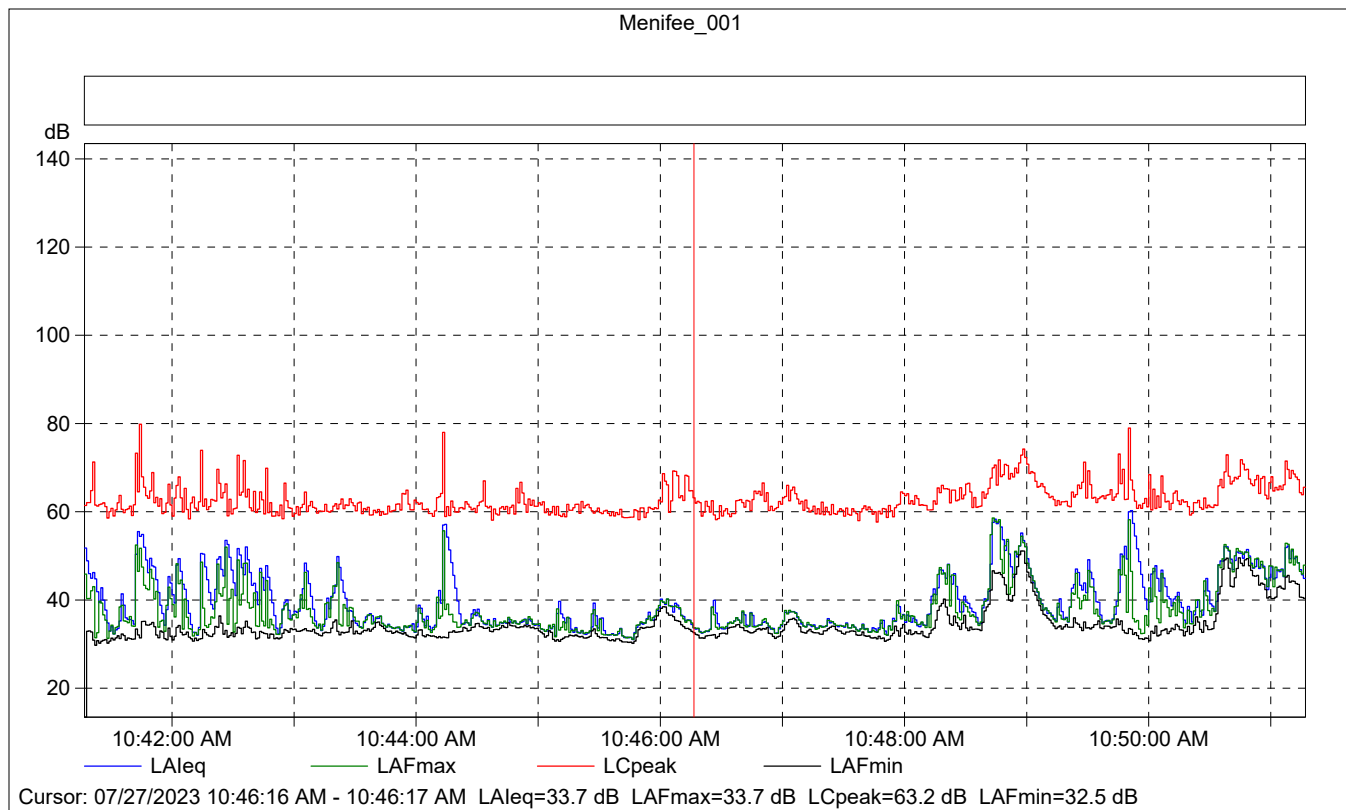
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		07/27/2023 10:37:47
Calibration Type:		External reference
Sensitivity:		43.3311276137829 mV/Pa

Menifee_001

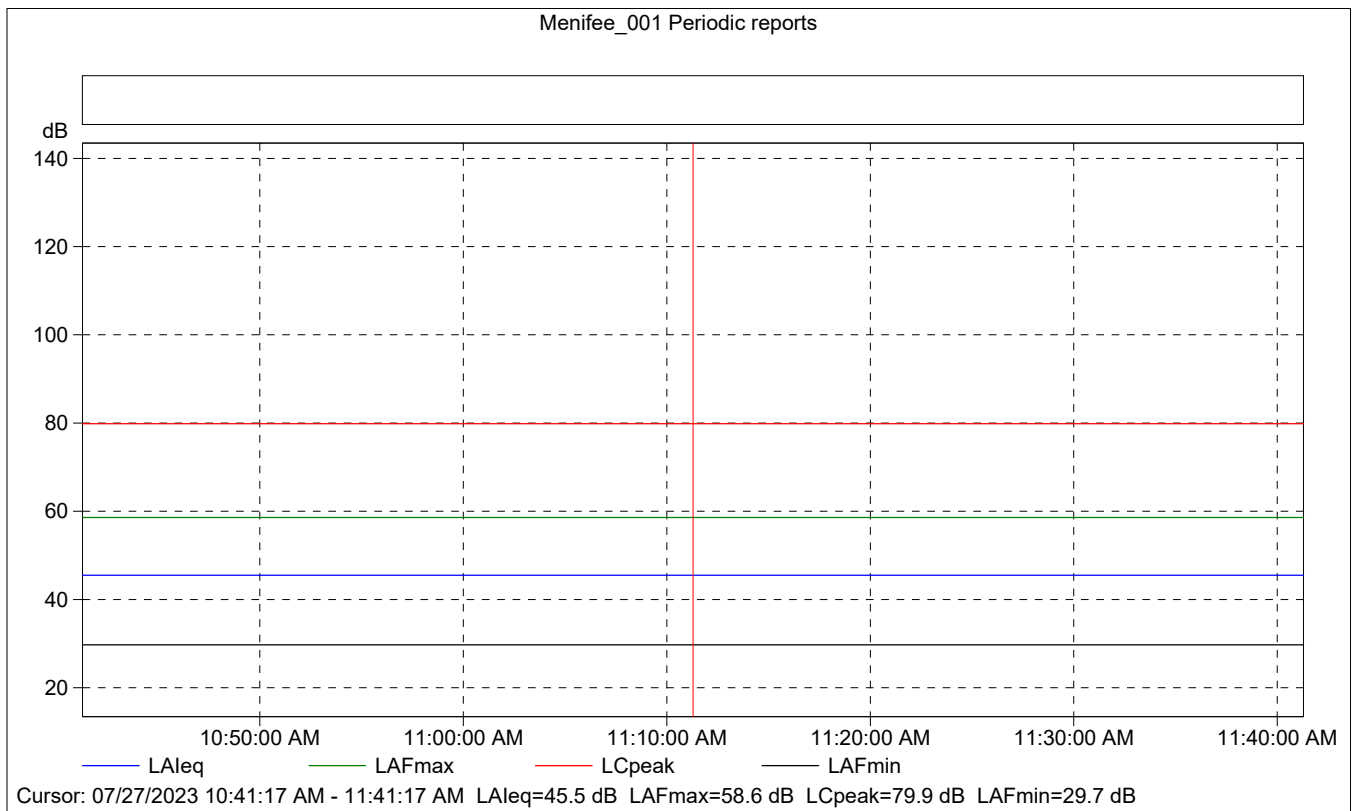
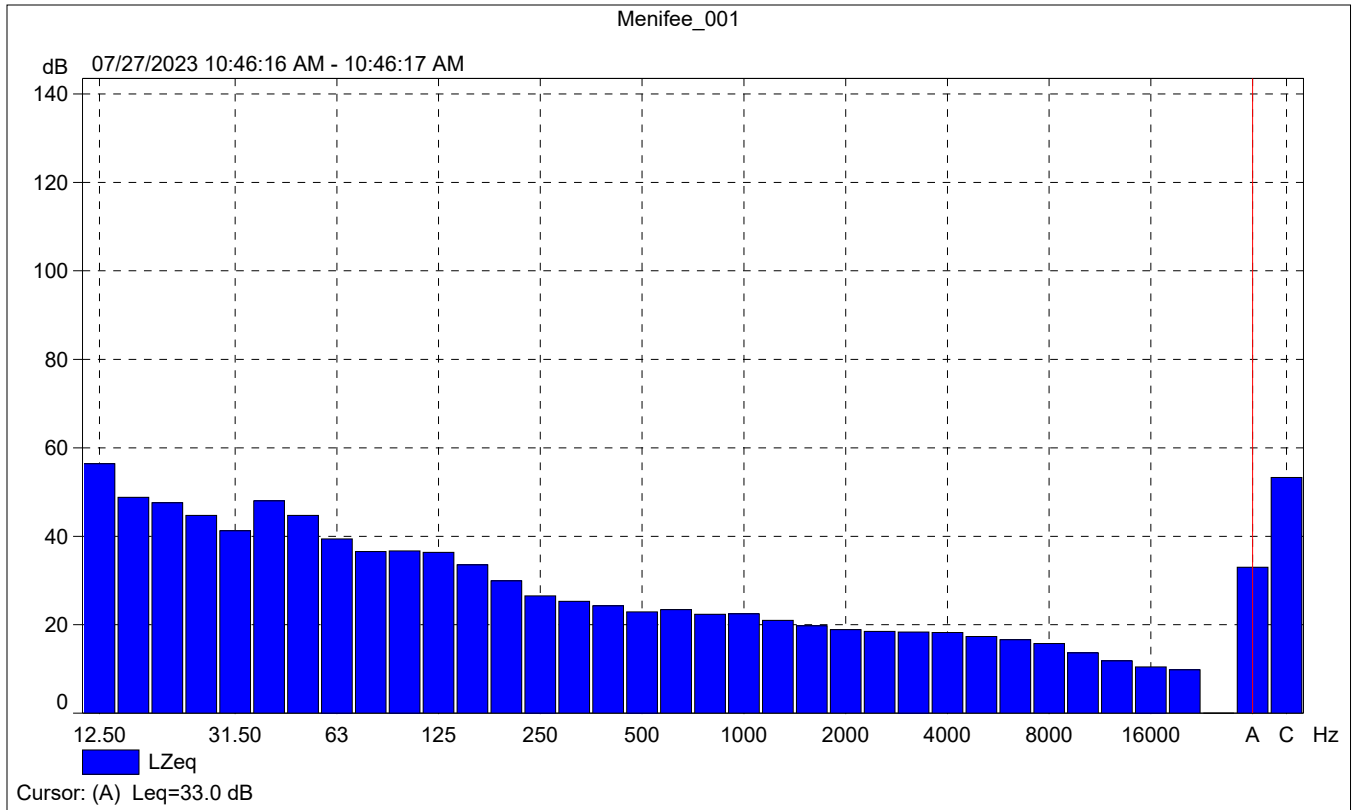
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	40.3	58.6	29.7
Time	10:41:17 AM	10:51:17 AM	0:10:00				
Date	07/27/2023	07/27/2023					





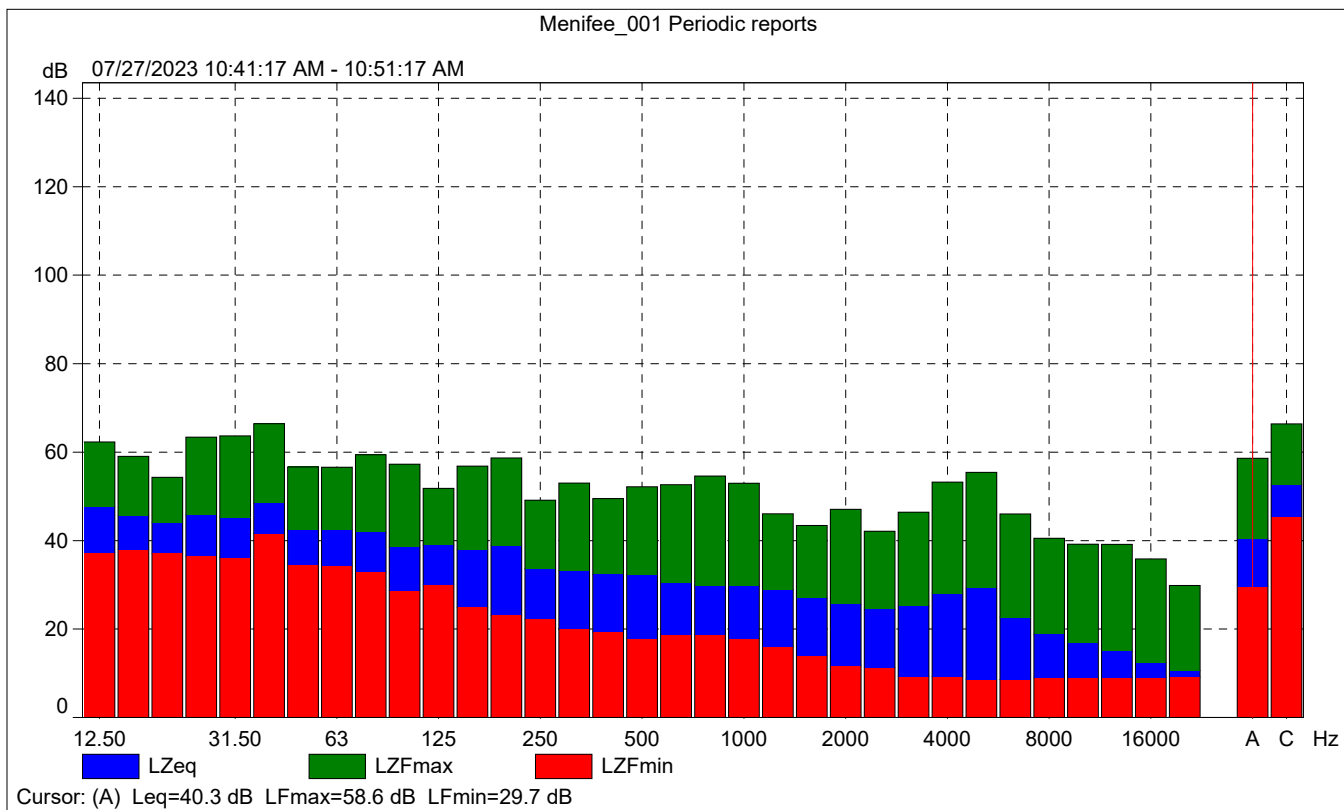
Menifee_001

	Start time	Elapsed time	Overload [%]	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	33.7	33.7	32.5
Time	10:46:16 AM	0:00:01				
Date	07/27/2023					



Menifee_001 Periodic reports

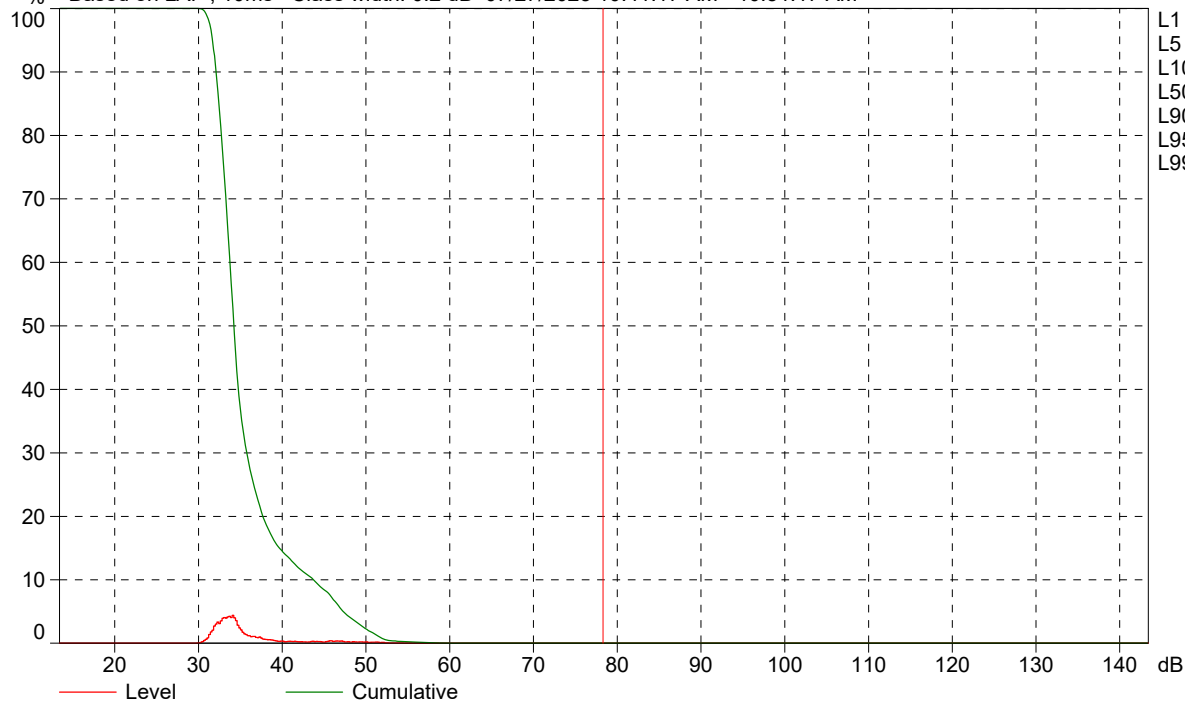
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	45.5	58.6	29.7
Time	10:41:17 AM	0:10:00				
Date	07/27/2023					





Menifee_001 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 07/27/2023 10:41:17 AM - 10:51:17 AM



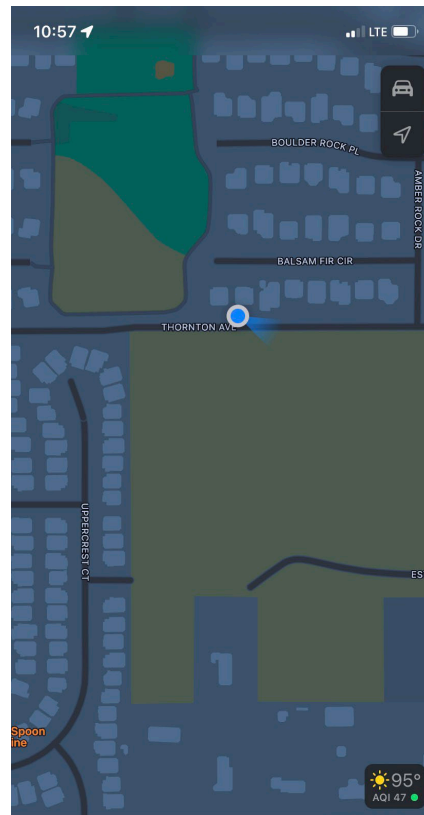
- L1 = 51.5 dB
- L5 = 47.2 dB
- L10 = 43.6 dB
- L50 = 34.1 dB
- L90 = 32.0 dB
- L95 = 31.6 dB
- L99 = 30.8 dB

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

Site Number: NM-2		
Recorded By: Darshan Shivaiah, Dennis Dinh		
Job Number: 195692		
Date: 7/27/2023		
Time: 10:55 a.m.		
Location: Northern boundary of the project site along Thornton Avenue		
Source of Ambient Noise: Vehicles passing along Thornton Avenue		
Source of Peak Noise: Vehicles passing along Thornton Avenue		
Noise Data		
Leq (dB)	Lmax(dB)	Lmin (dB)
57.4	78.9	34.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	06/04/2023	
	Microphone	Brüel & Kjær	4189	3086765	06/04/2023	
	Preamp	Brüel & Kjær	ZC 0032	25380	06/04/2023	
	Calibrator	Brüel & Kjær	4231	2545667	06/04/2023	
Weather Data						
Est.	Duration: 10 minutes		Sky: Sunny			
	Note: dBA Offset = 0.02		Sensor Height (ft): 5 ft			
	Wind Ave Speed (mph / m/s)	Temperature (degrees Fahrenheit)		Barometer Pressure (inches)		
	3 mph	93		29.89		

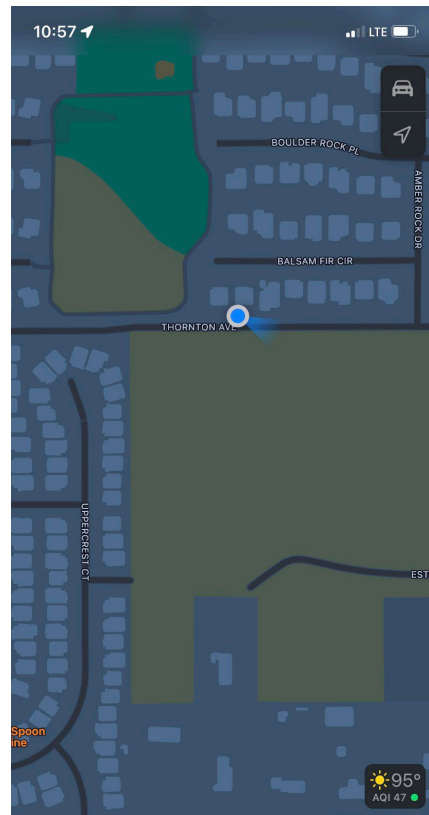
Photo of Measurement Location



Site Number: NM-2		
Recorded By: Darshan Shivaiah, Dennis Dinh		
Job Number: 195692		
Date: 7/27/2023		
Time: 10:55 a.m.		
Location: Northern boundary of the project site along Thornton Avenue		
Source of Ambient Noise: Vehicles passing along Thornton Avenue		
Source of Peak Noise: Vehicles passing along Thornton Avenue		
Noise Data		
Leq (dB)	Lmax(dB)	Lmin (dB)
57.4	78.9	34.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	06/04/2023	
	Microphone	Brüel & Kjær	4189	3086765	06/04/2023	
	Preamp	Brüel & Kjær	ZC 0032	25380	06/04/2023	
	Calibrator	Brüel & Kjær	4231	2545667	06/04/2023	
Weather Data						
Est.	Duration: 10 minutes		Sky: Sunny			
	Note: dBA Offset = 0.02		Sensor Height (ft): 5 ft			
	Wind Ave Speed (mph / m/s)	Temperature (degrees Fahrenheit)		Barometer Pressure (inches)		
	3 mph	93		29.89		

Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		07/27/2023 10:55:48
End Time:		07/27/2023 11:05:48
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

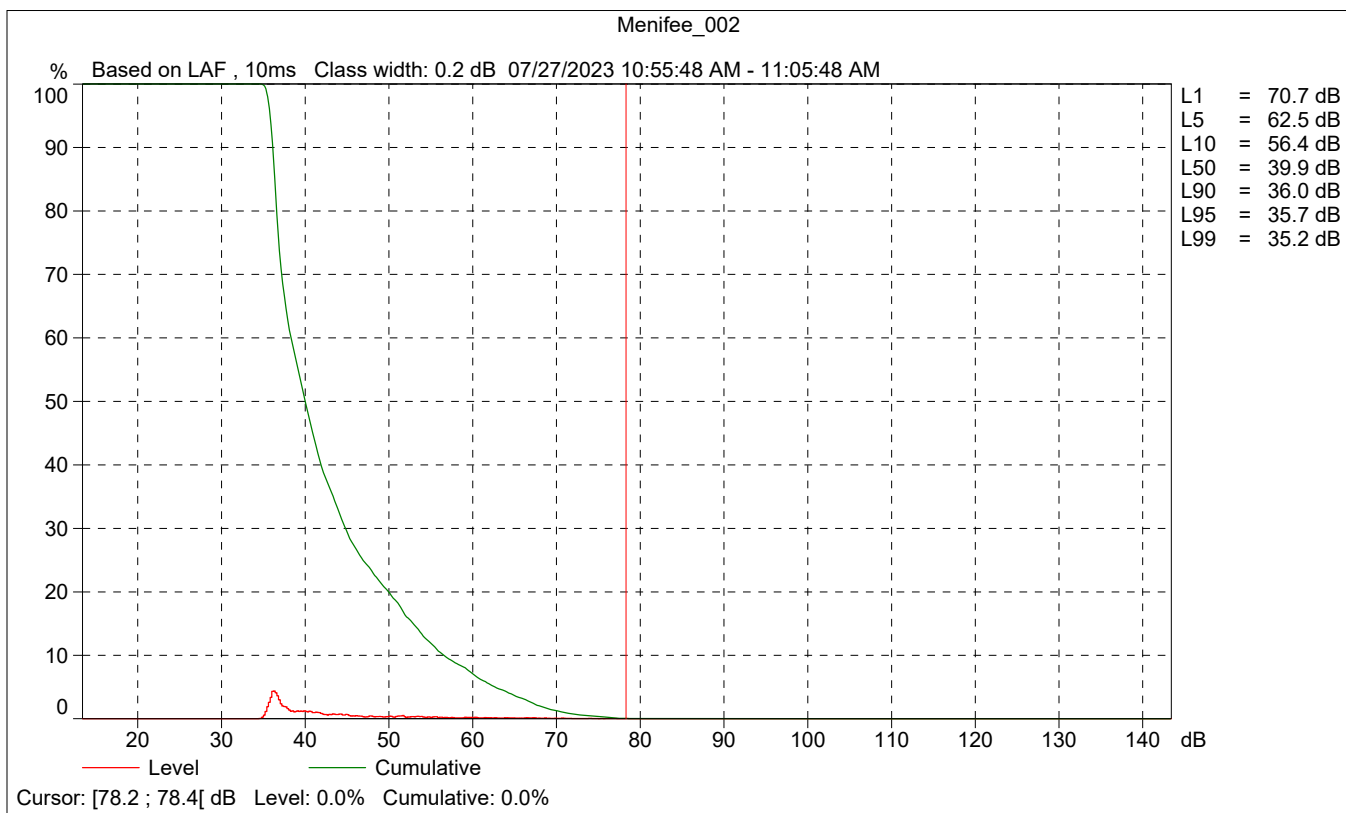
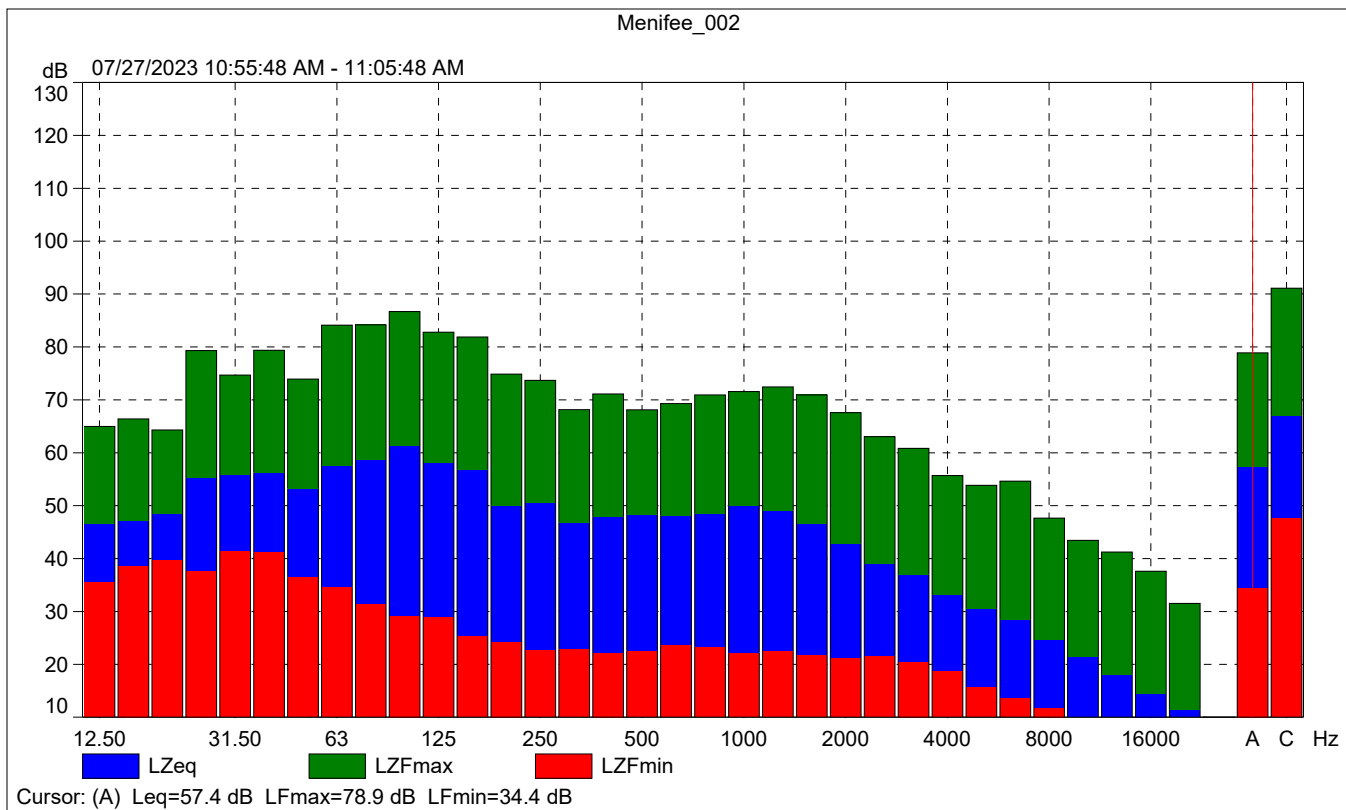
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

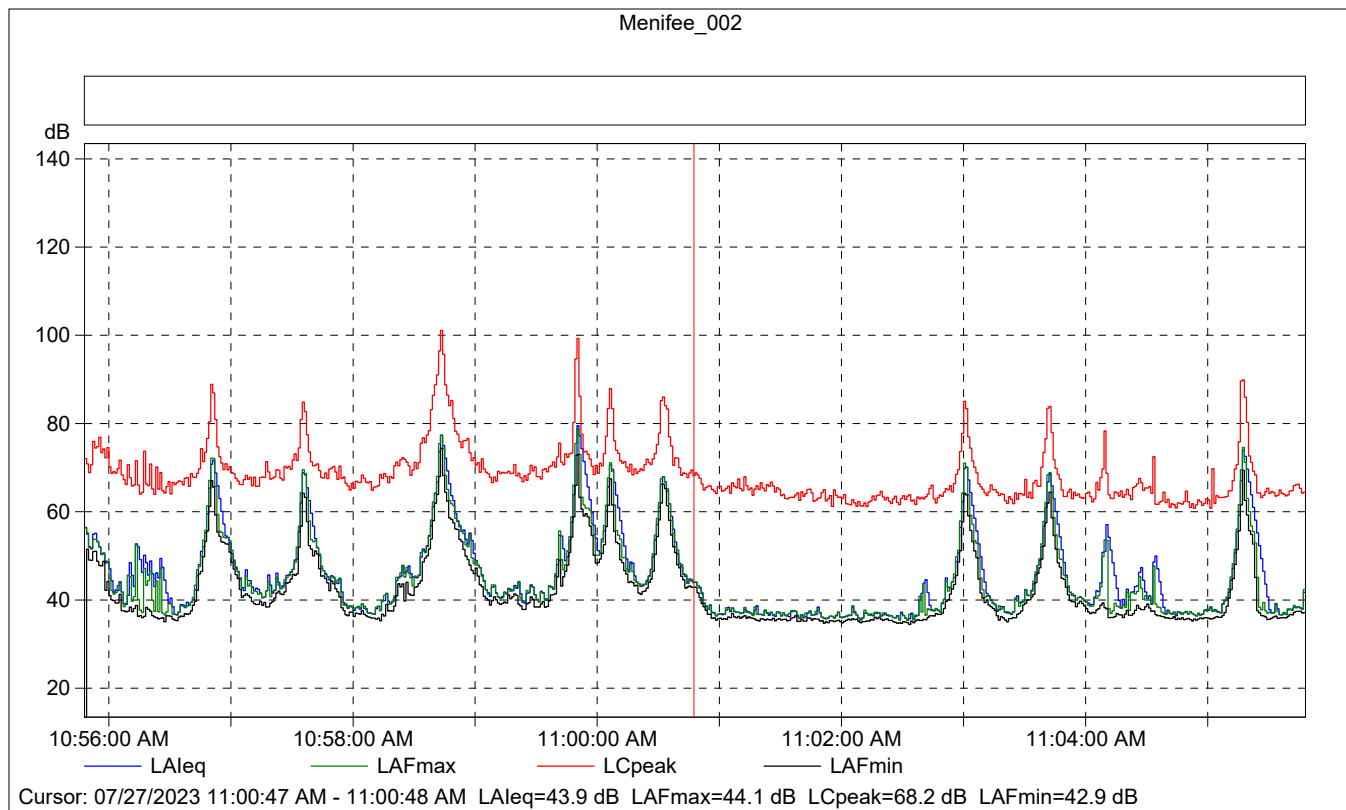
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		07/27/2023 10:37:47
Calibration Type:		External reference
Sensitivity:		43.3311276137829 mV/Pa

Menifee_002

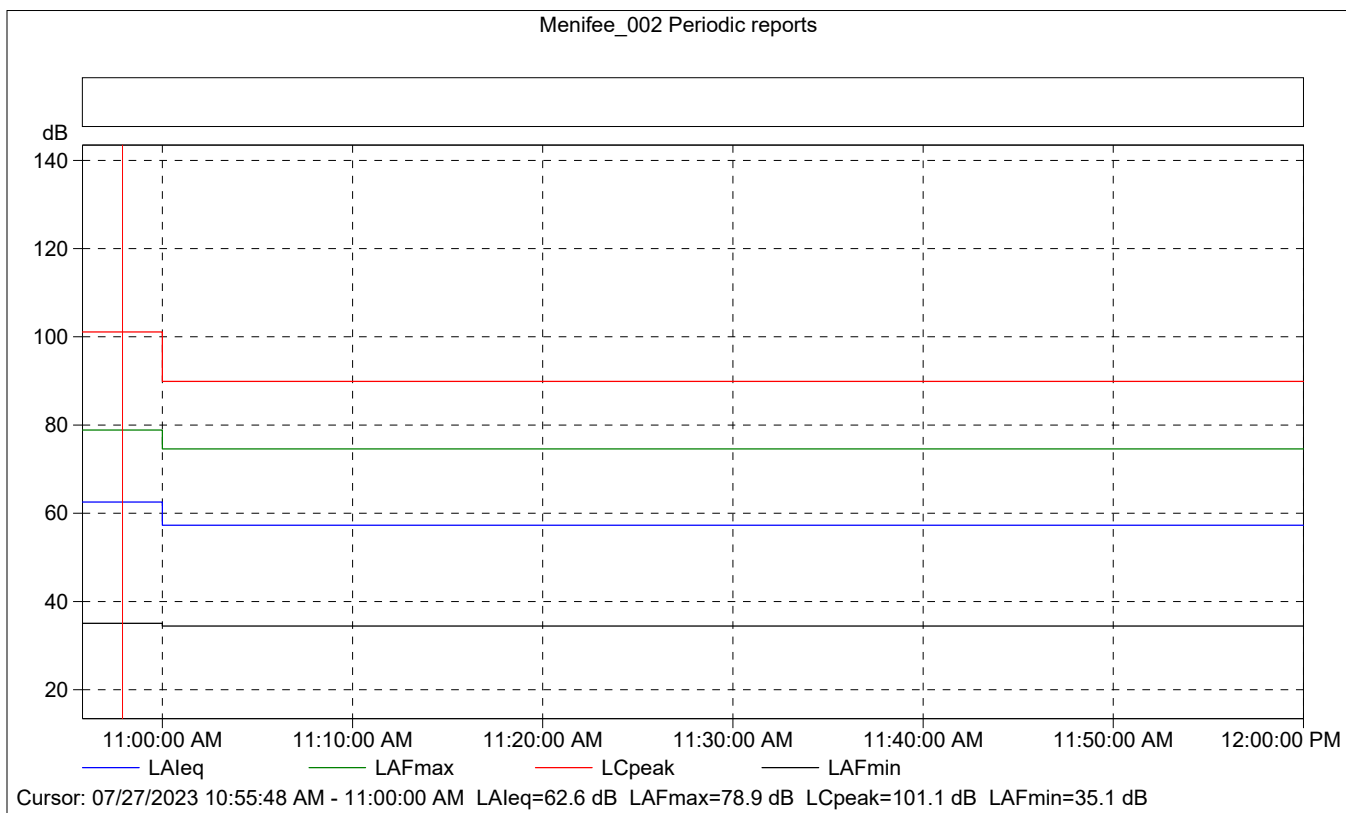
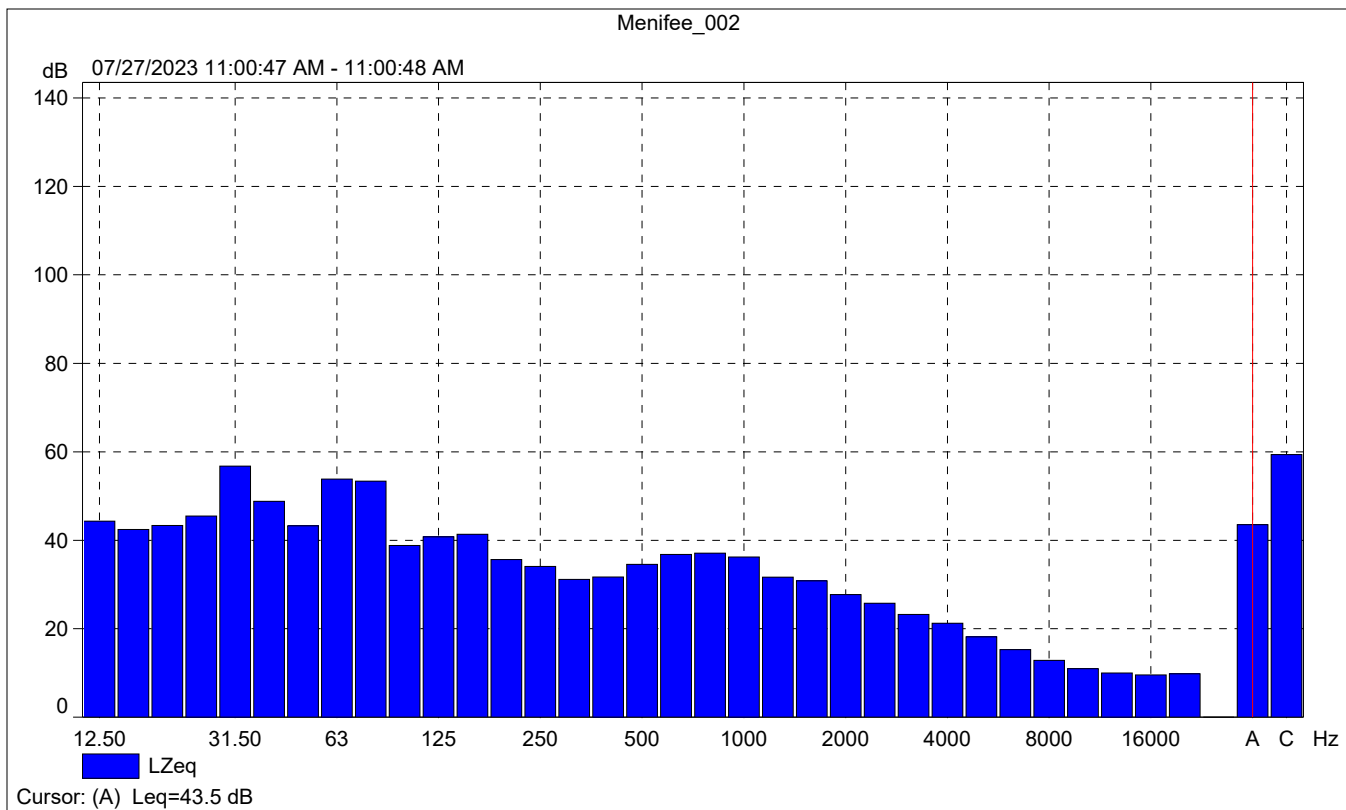
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	57.4	78.9	34.4
Time	10:55:48 AM	11:05:48 AM	0:10:00				
Date	07/27/2023	07/27/2023					





Menifee_002

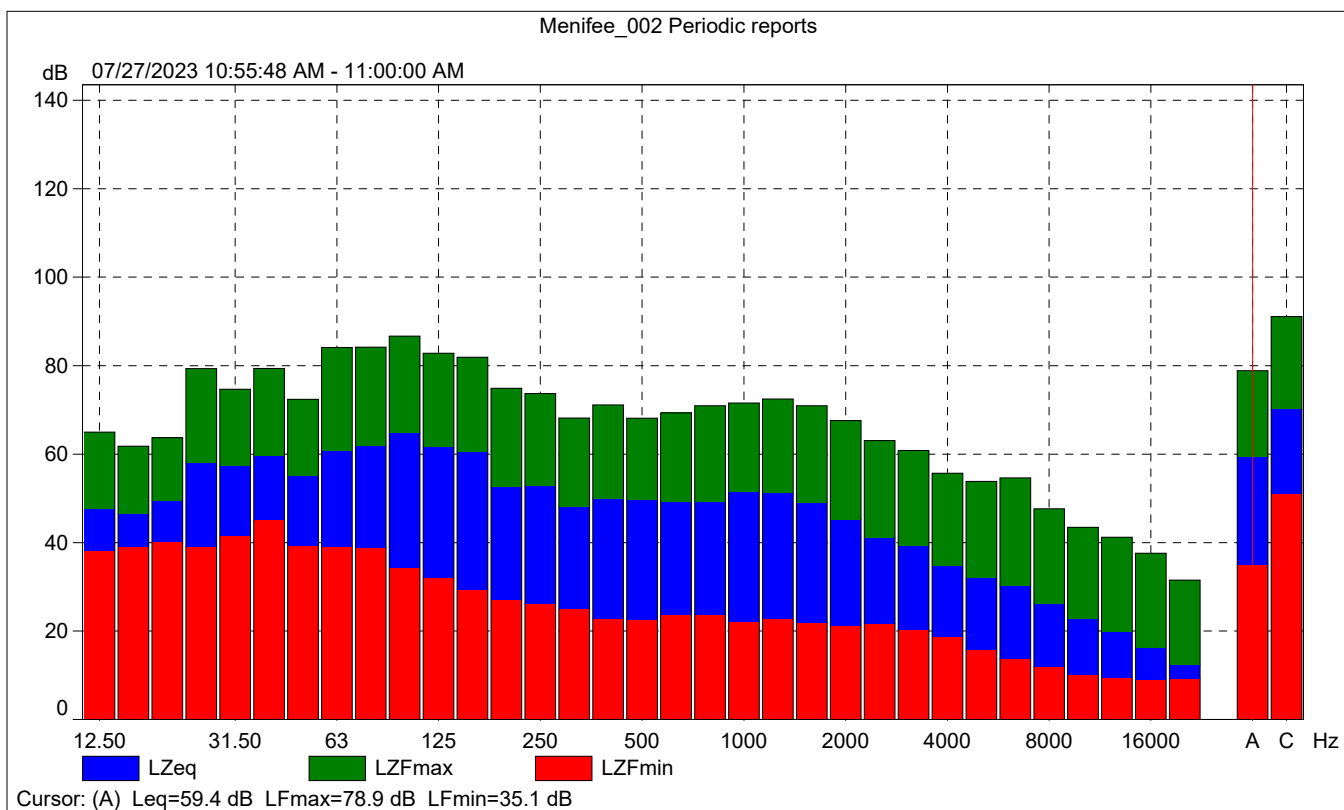
	Start time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	43.9	44.1	42.9
Time	11:00:47 AM	0:00:01				
Date	07/27/2023					





Menifee_002 Periodic reports

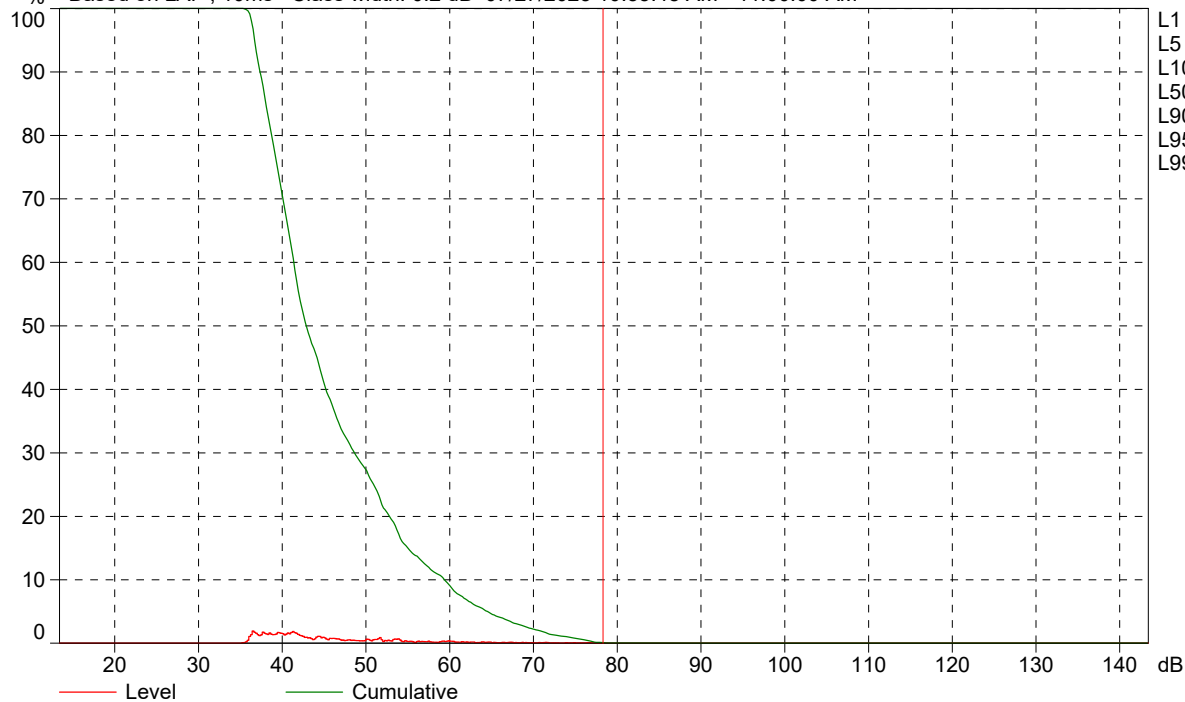
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	62.6	78.9	35.1
Time	10:55:48 AM	0:04:12				
Date	07/27/2023					





Menifee_002 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 07/27/2023 10:55:48 AM - 11:00:00 AM



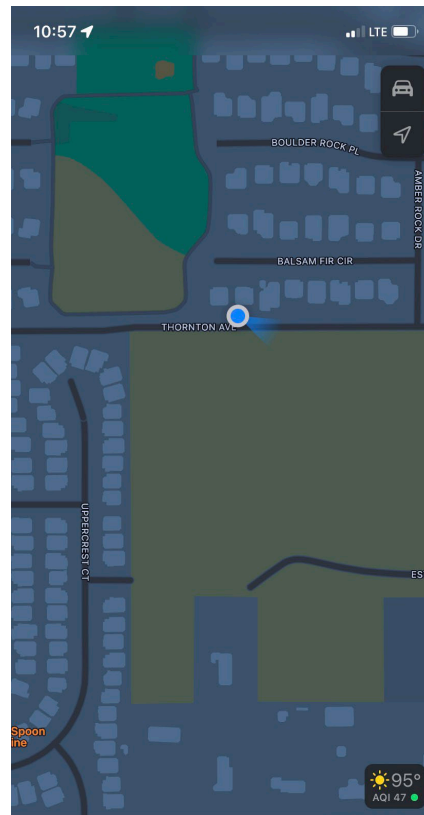
- L1 = 73.9 dB
- L5 = 64.4 dB
- L10 = 59.3 dB
- L50 = 42.8 dB
- L90 = 37.2 dB
- L95 = 36.6 dB
- L99 = 36.0 dB

Cursor: [78.2 ; 78.4] dB Level: 0.0% Cumulative: 0.1%

Site Number: NM-2		
Recorded By: Darshan Shivaiah, Dennis Dinh		
Job Number: 195692		
Date: 7/27/2023		
Time: 10:55 a.m.		
Location: Northern boundary of the project site along Thornton Avenue		
Source of Ambient Noise: Vehicles passing along Thornton Avenue		
Source of Peak Noise: Vehicles passing along Thornton Avenue		
Noise Data		
Leq (dB)	Lmax(dB)	Lmin (dB)
57.4	78.9	34.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	06/04/2023	
	Microphone	Brüel & Kjær	4189	3086765	06/04/2023	
	Preamp	Brüel & Kjær	ZC 0032	25380	06/04/2023	
	Calibrator	Brüel & Kjær	4231	2545667	06/04/2023	
Weather Data						
Est.	Duration: 10 minutes		Sky: Sunny			
	Note: dBA Offset = 0.02		Sensor Height (ft): 5 ft			
	Wind Ave Speed (mph / m/s)	Temperature (degrees Fahrenheit)		Barometer Pressure (inches)		
	3 mph	93		29.89		

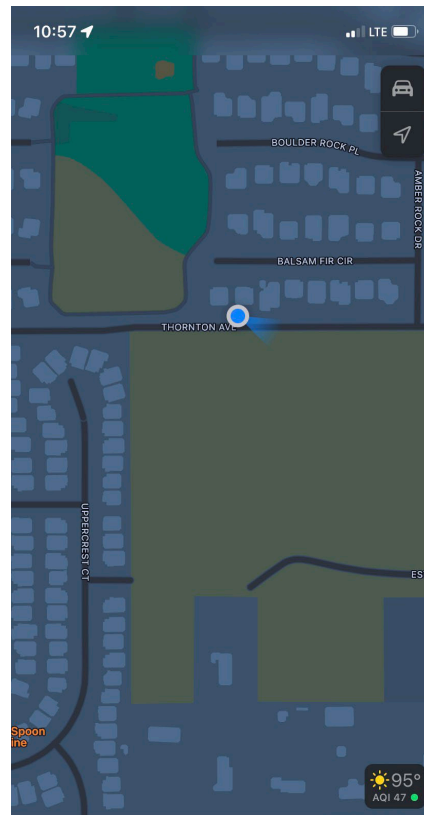
Photo of Measurement Location



Site Number: NM-2		
Recorded By: Darshan Shivaiah, Dennis Dinh		
Job Number: 195692		
Date: 7/27/2023		
Time: 10:55 a.m.		
Location: Northern boundary of the project site along Thornton Avenue		
Source of Ambient Noise: Vehicles passing along Thornton Avenue		
Source of Peak Noise: Vehicles passing along Thornton Avenue		
Noise Data		
Leq (dB)	Lmax(dB)	Lmin (dB)
57.4	78.9	34.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	06/04/2023	
	Microphone	Brüel & Kjær	4189	3086765	06/04/2023	
	Preamp	Brüel & Kjær	ZC 0032	25380	06/04/2023	
	Calibrator	Brüel & Kjær	4231	2545667	06/04/2023	
Weather Data						
Est.	Duration: 10 minutes		Sky: Sunny			
	Note: dBA Offset = 0.02		Sensor Height (ft): 5 ft			
	Wind Ave Speed (mph / m/s)	Temperature (degrees Fahrenheit)		Barometer Pressure (inches)		
	3 mph	93		29.89		

Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		07/27/2023 10:55:48
End Time:		07/27/2023 11:05:48
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

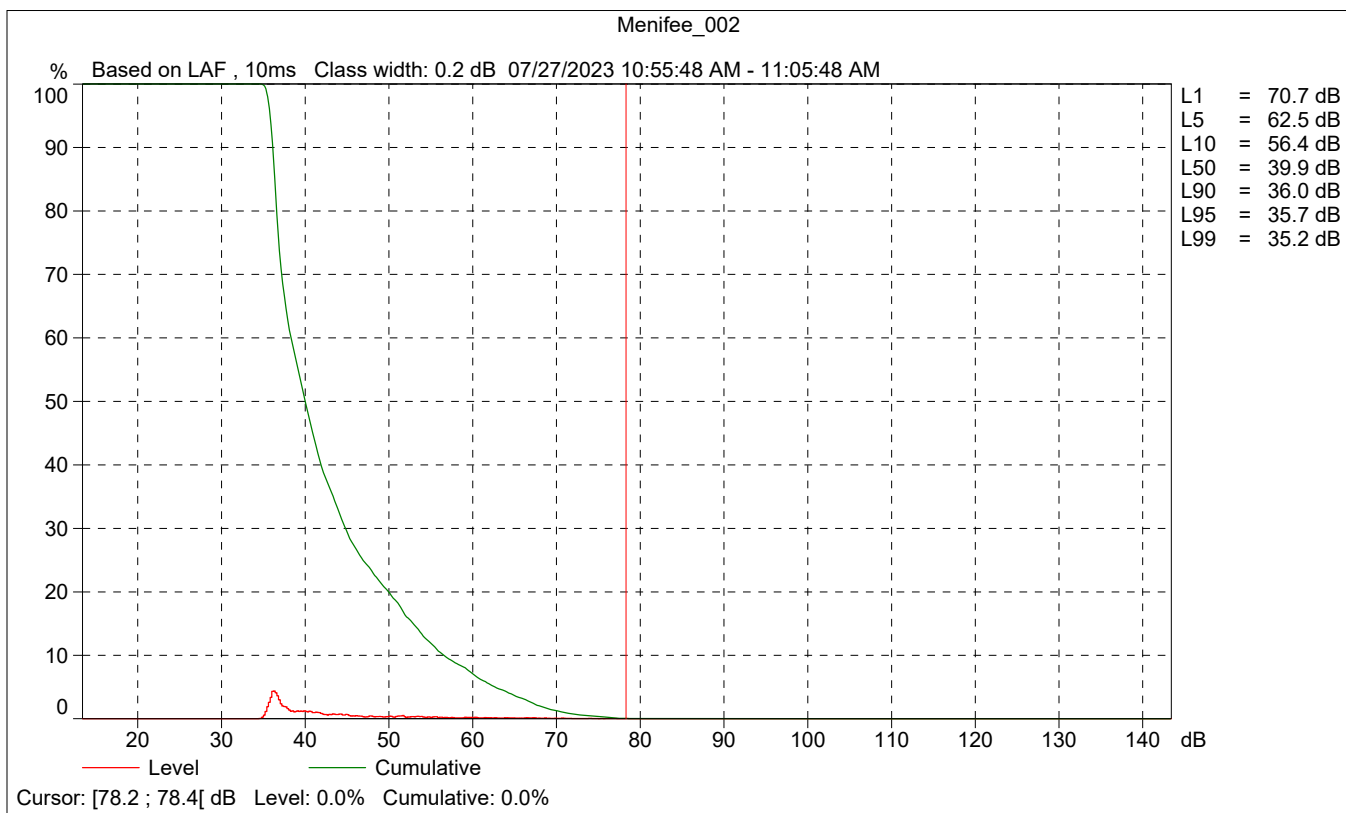
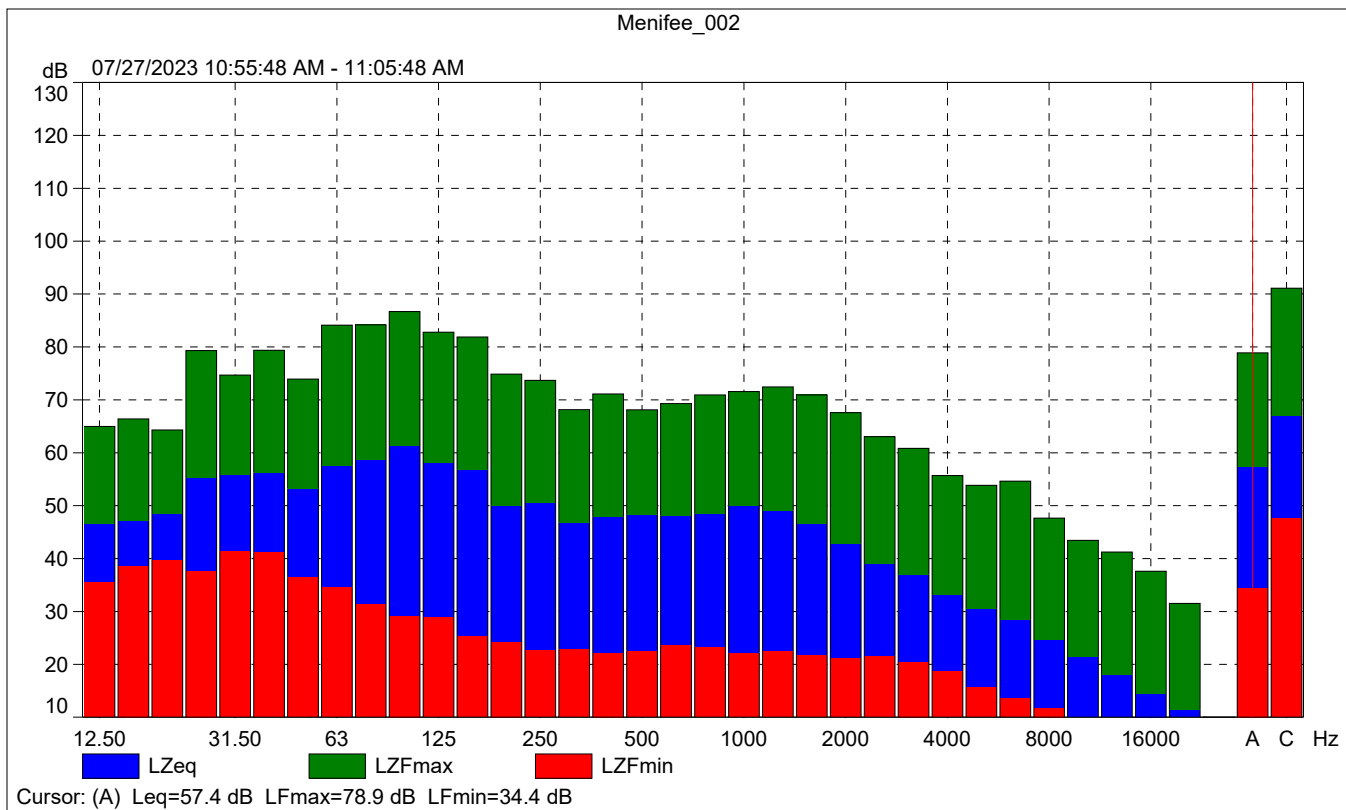
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

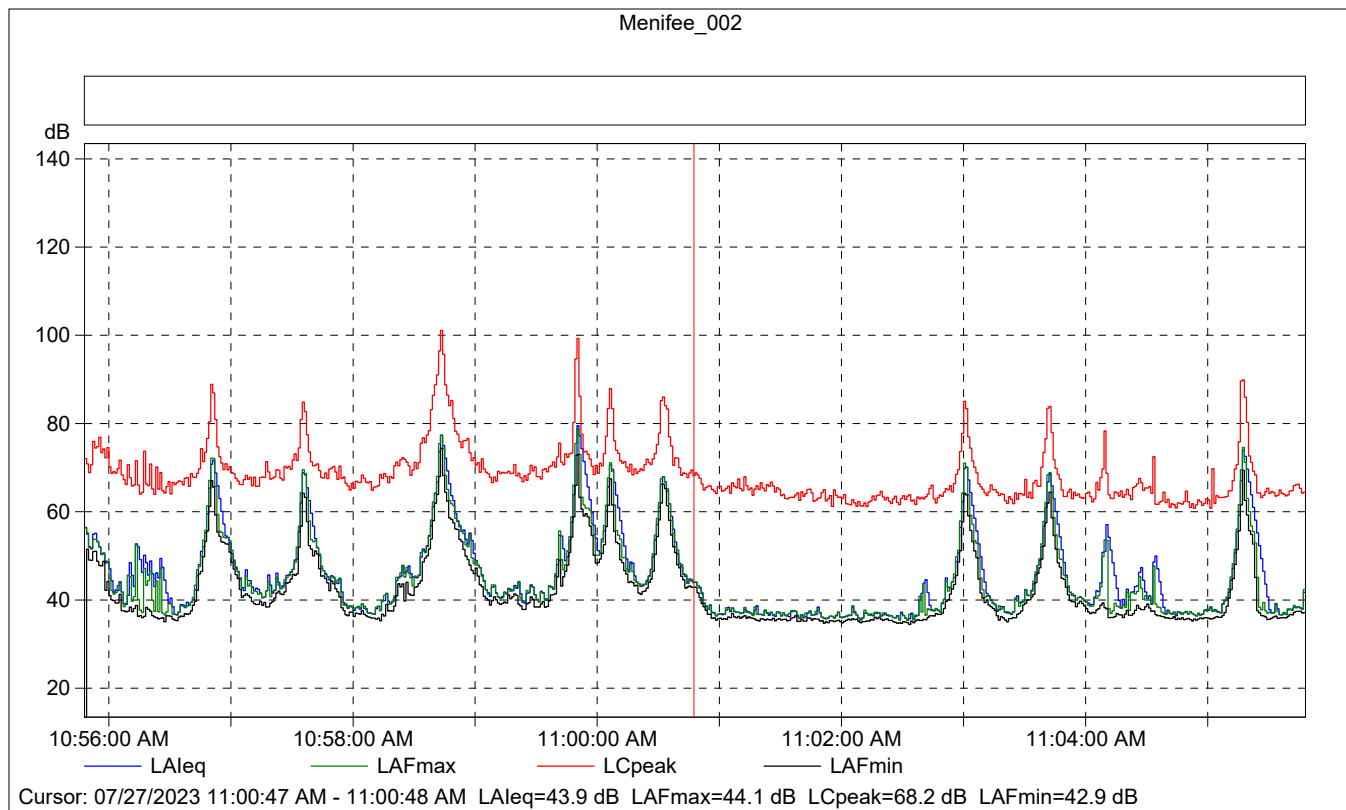
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		07/27/2023 10:37:47
Calibration Type:		External reference
Sensitivity:		43.3311276137829 mV/Pa

Menifee_002

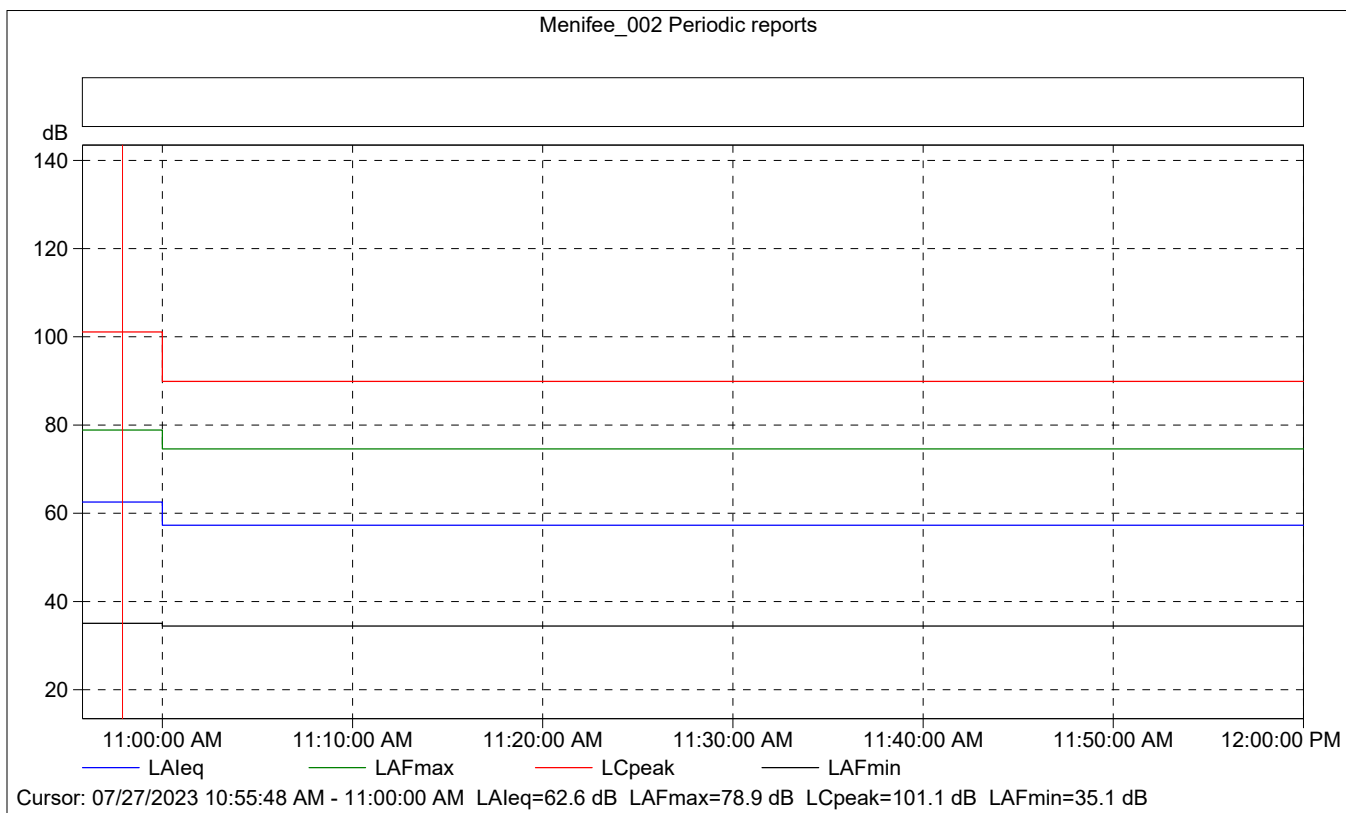
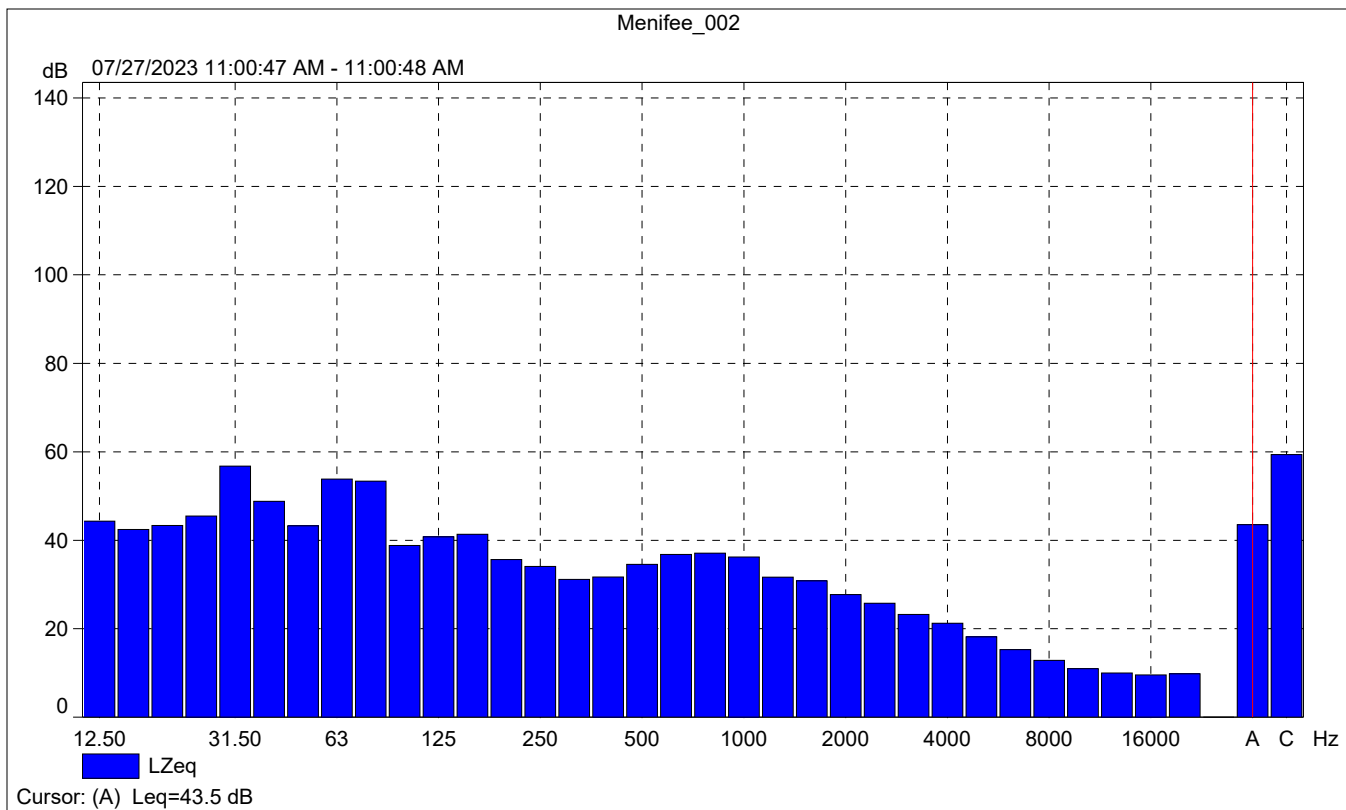
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	57.4	78.9	34.4
Time	10:55:48 AM	11:05:48 AM	0:10:00				
Date	07/27/2023	07/27/2023					





Menifee_002

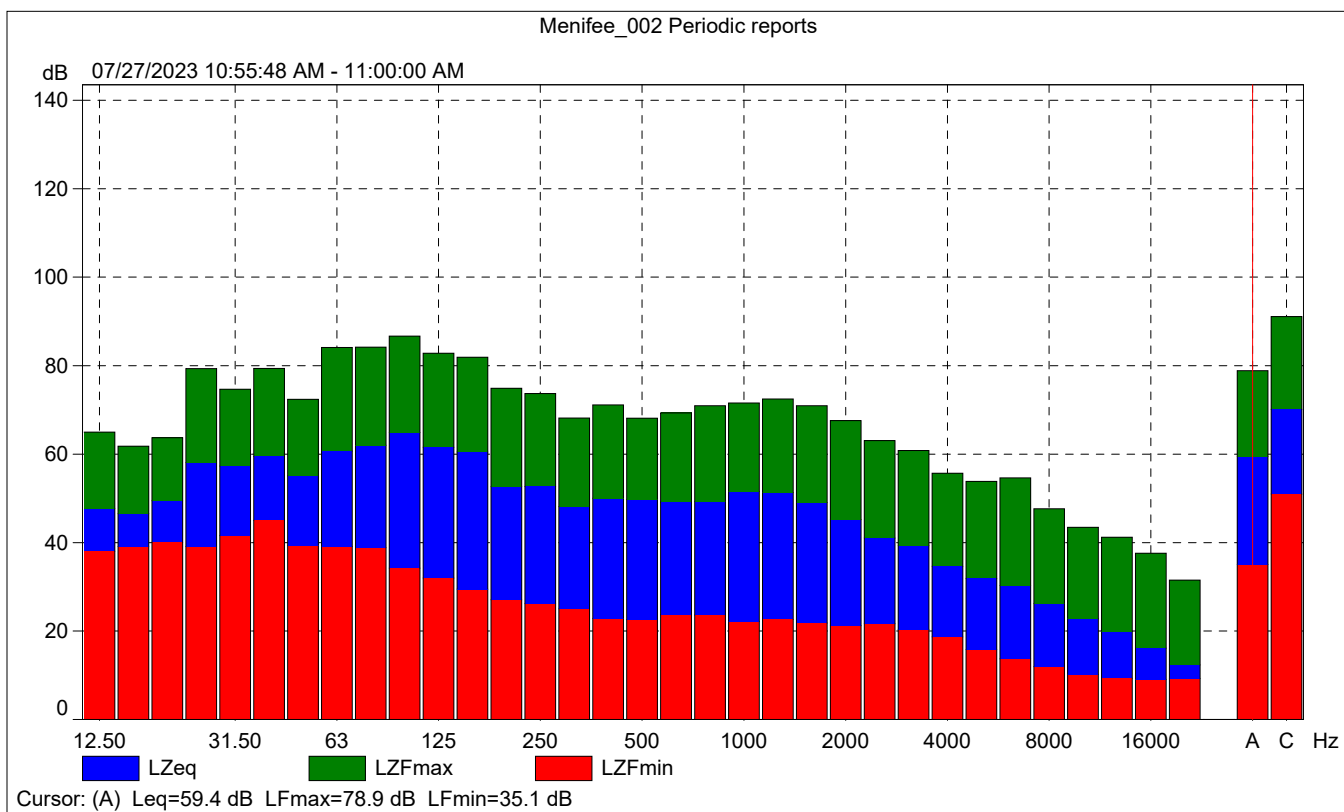
	Start time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	43.9	44.1	42.9
Time	11:00:47 AM	0:00:01				
Date	07/27/2023					





Menifee_002 Periodic reports

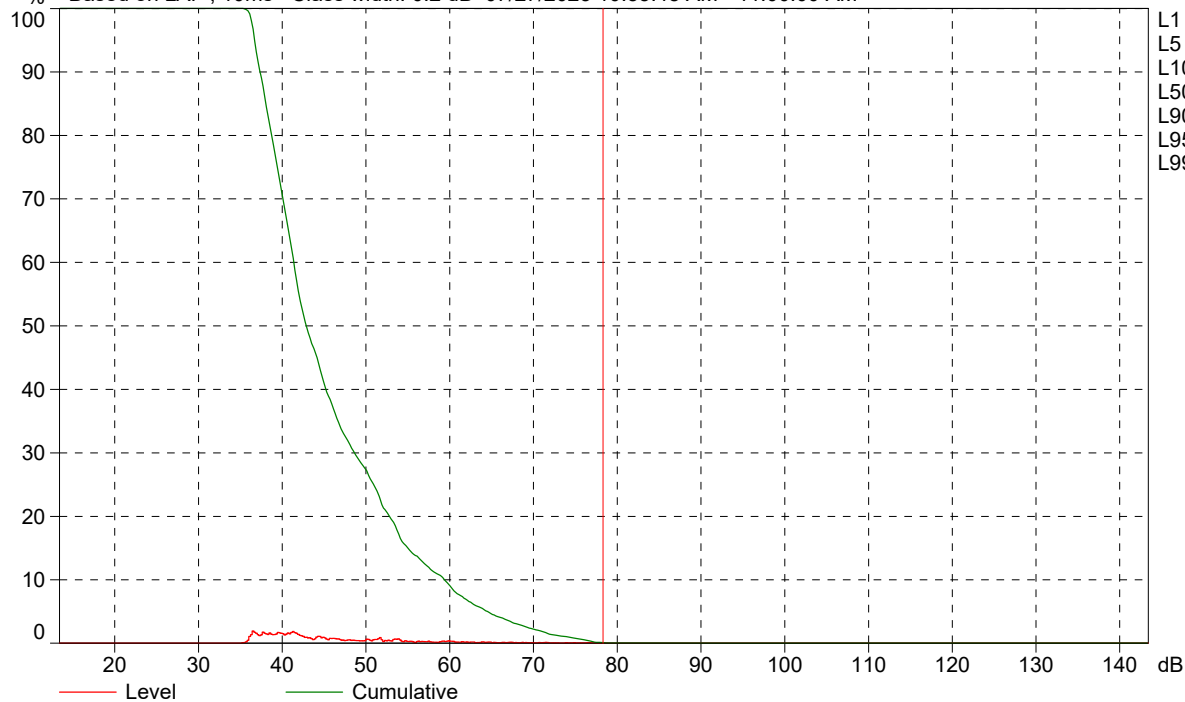
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	62.6	78.9	35.1
Time	10:55:48 AM	0:04:12				
Date	07/27/2023					





Menifee_002 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 07/27/2023 10:55:48 AM - 11:00:00 AM



- L1 = 73.9 dB
- L5 = 64.4 dB
- L10 = 59.3 dB
- L50 = 42.8 dB
- L90 = 37.2 dB
- L95 = 36.6 dB
- L99 = 36.0 dB

Cursor: [78.2 ; 78.4] dB Level: 0.0% Cumulative: 0.1%