



# **APPENDIX F**

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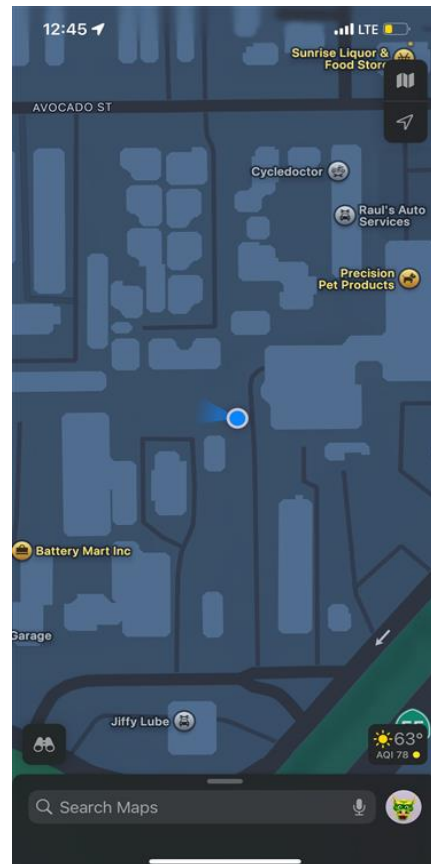
## **Noise Data**

This document is designed for double-sided printing to conserve natural resources.

<b>Site Number:</b> NM-1		
<b>Recorded By:</b> Darshan Shivaiah		
<b>Job Number:</b> 204361		
<b>Date:</b> 12/5/2024		
<b>Time:</b> 12:42 p.m.		
<b>Location:</b> In the parking lot, at the northeast corner of the project site		
<b>Source of Ambient Noise:</b> Overhead plane noise, traffic along Victoria Street and State Route-55		
Noise Data		
<b>L<sub>eq</sub> (dB)</b>	<b>L<sub>max</sub>(dB)</b>	<b>L<sub>min</sub> (dB)</b>
55.5	72.3	48.7

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.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Sunny		
	<b>Note:</b> dBA Offset = 0.04			<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>	
	5 mph		63		30.21	

### Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/04/2024 12:42:52
End Time:		12/04/2024 12:52:52
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

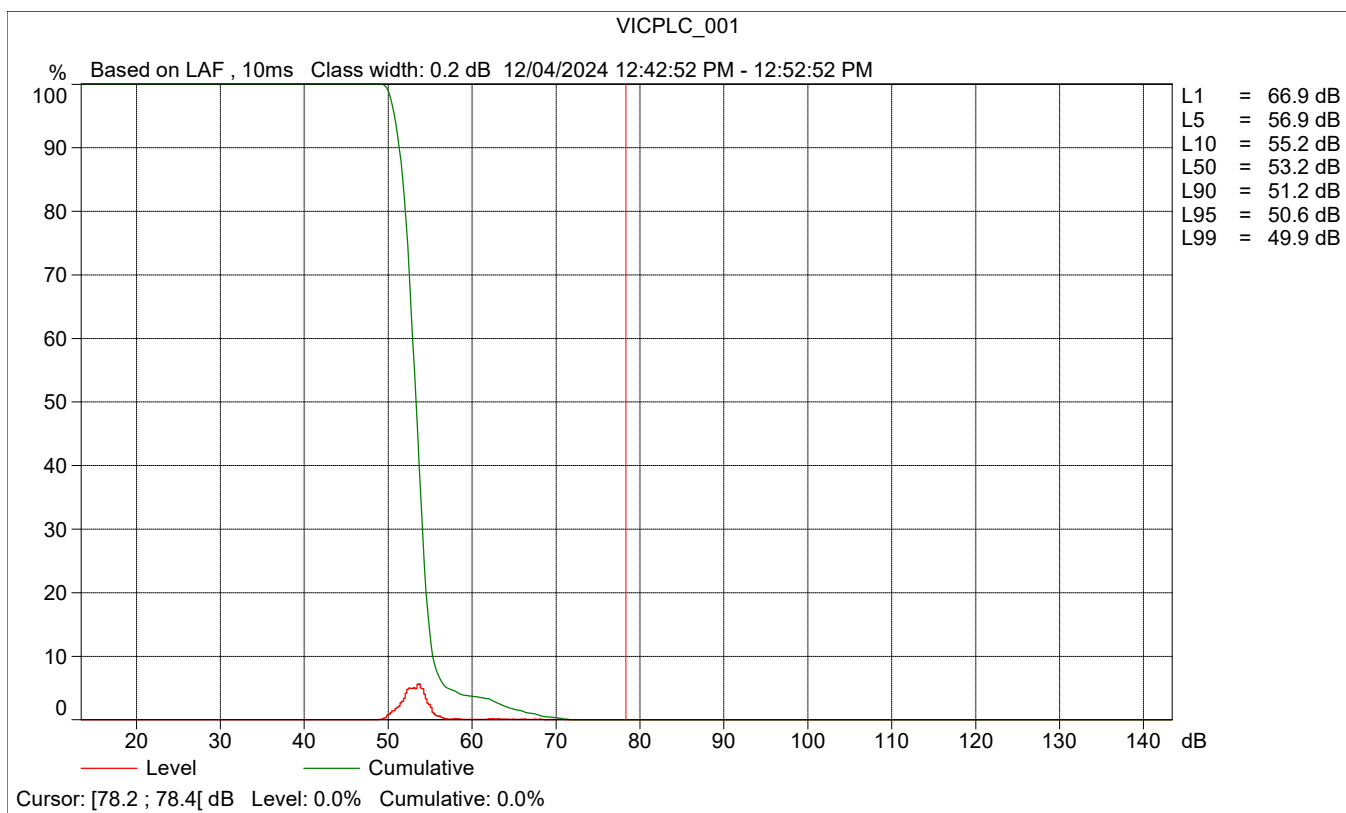
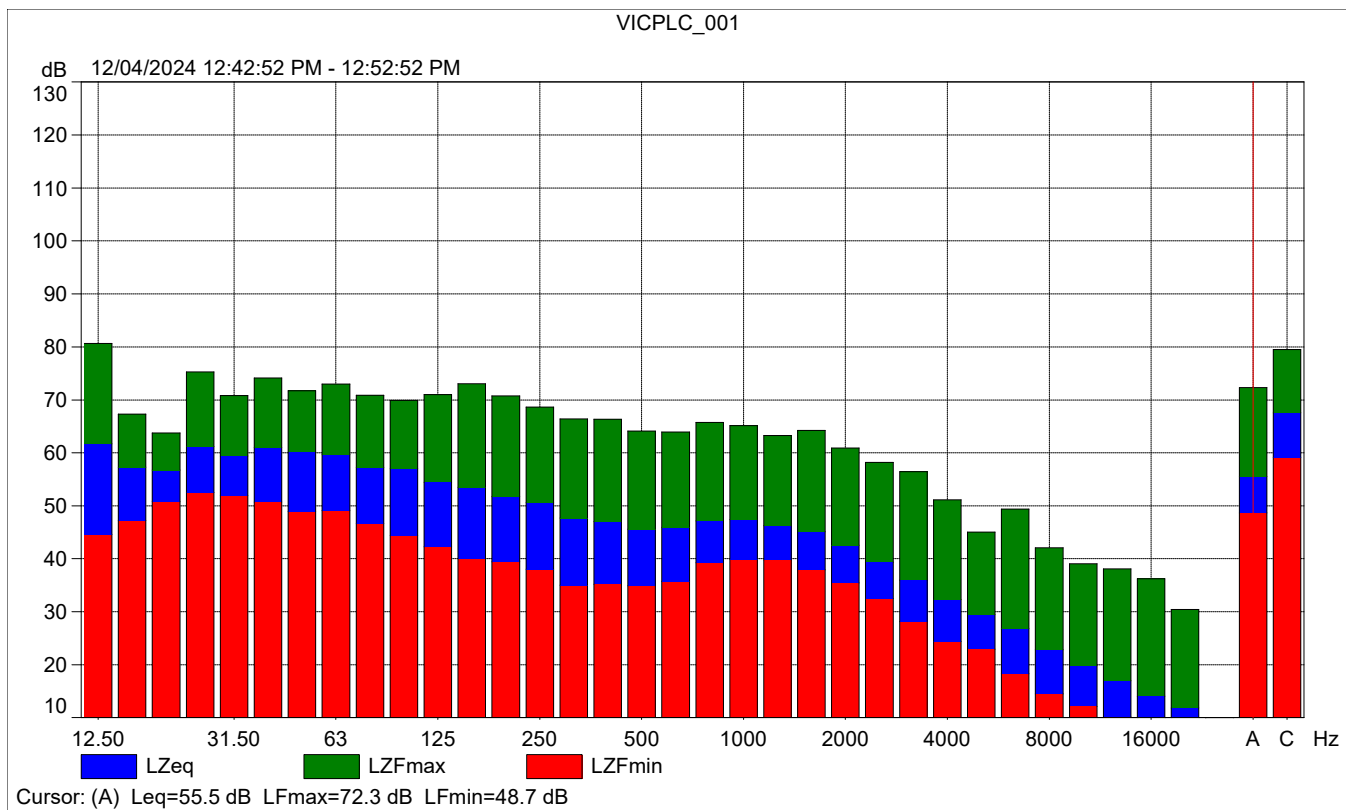
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

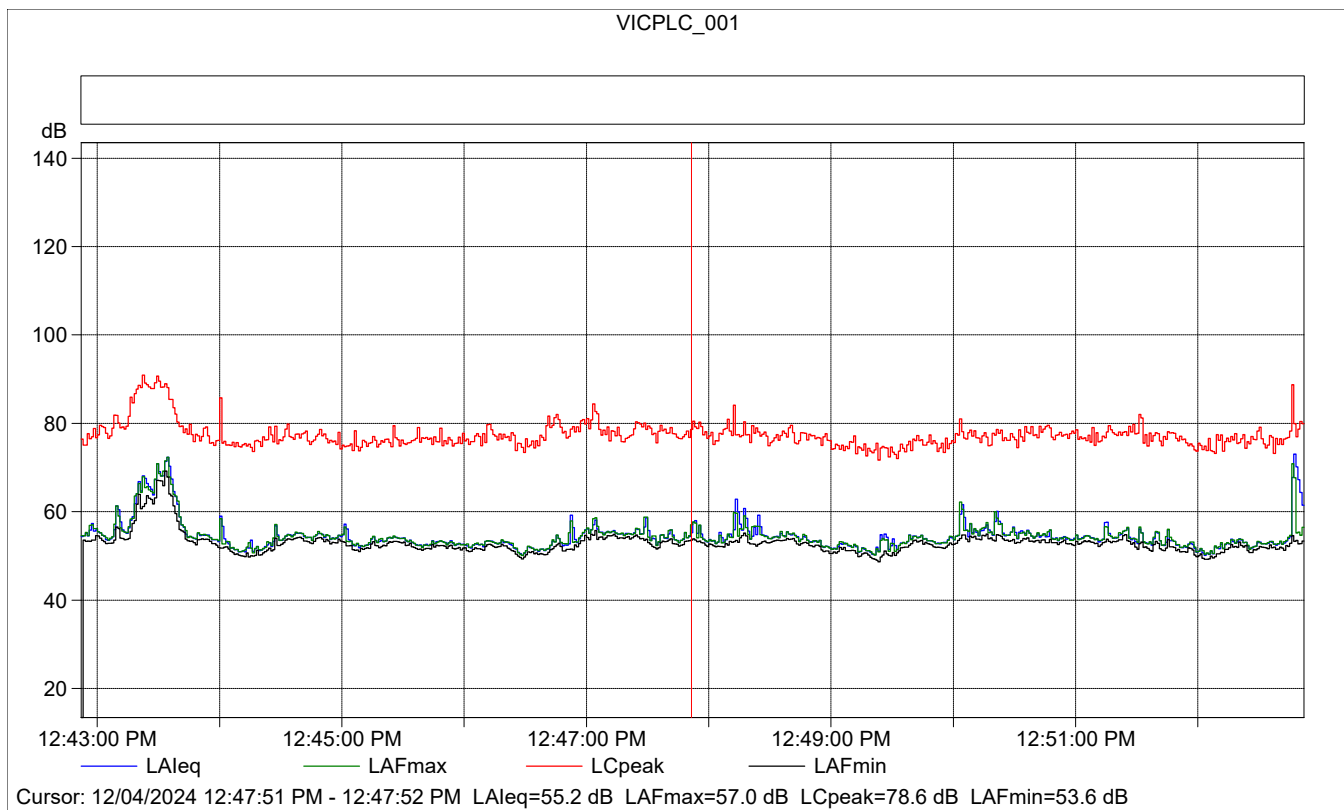
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/04/2024 12:41:54
Calibration Type:		External reference
Sensitivity:		43.3281362056732 mV/Pa

VICPLC\_001

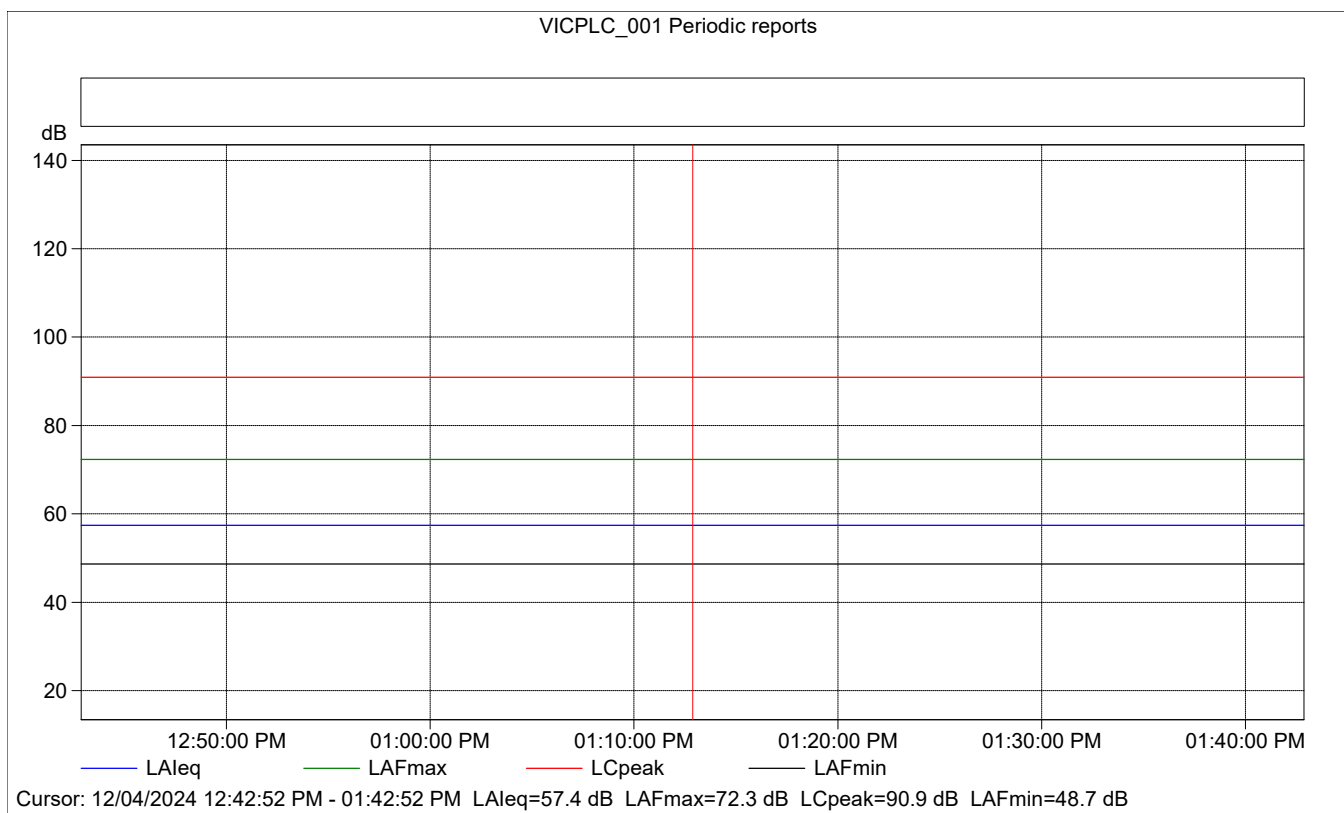
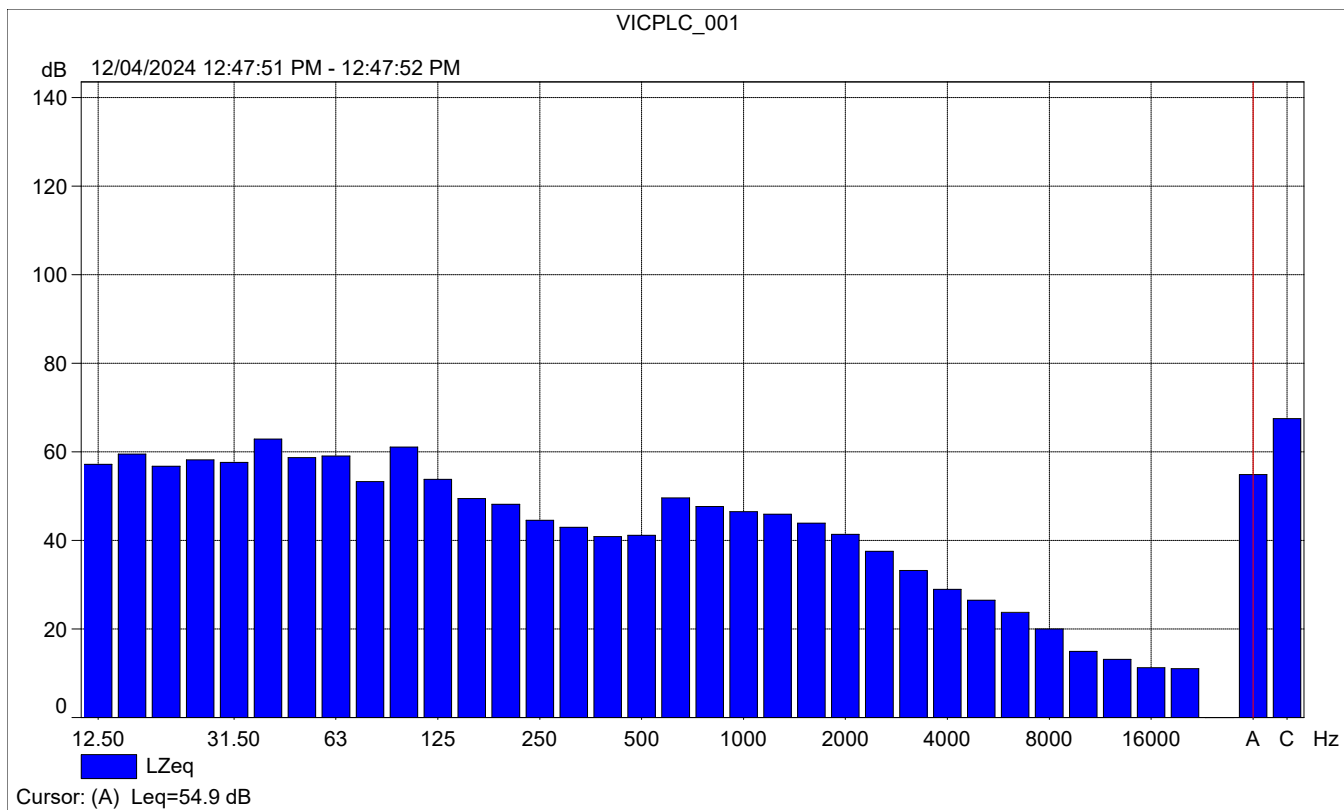
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>A</sub> F <sub>max</sub> [dB]	L <sub>A</sub> F <sub>min</sub> [dB]
Value				0.00	55.5	72.3	48.7
Time	12:42:52 PM	12:52:52 PM	0:10:00				
Date	12/04/2024	12/04/2024					





### VICPLC\_001

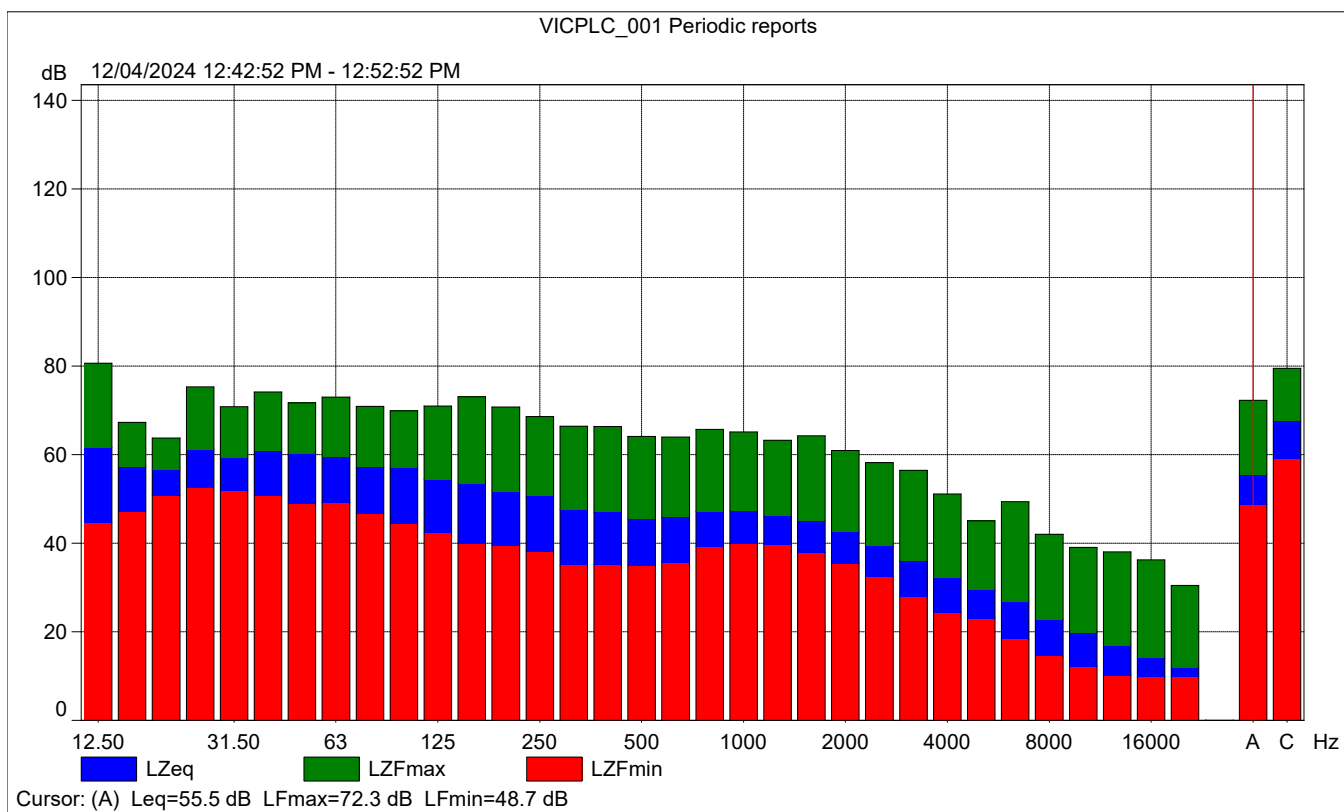
	Start time	Elapsed time	Overload [%]	LAlaq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	55.2	57.0	53.6
Time	12:47:51 PM	0:00:01				
Date	12/04/2024					





# VICPLC\_001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	57.4	72.3	48.7
Time	12:42:52 PM	0:10:00				
Date	12/04/2024					

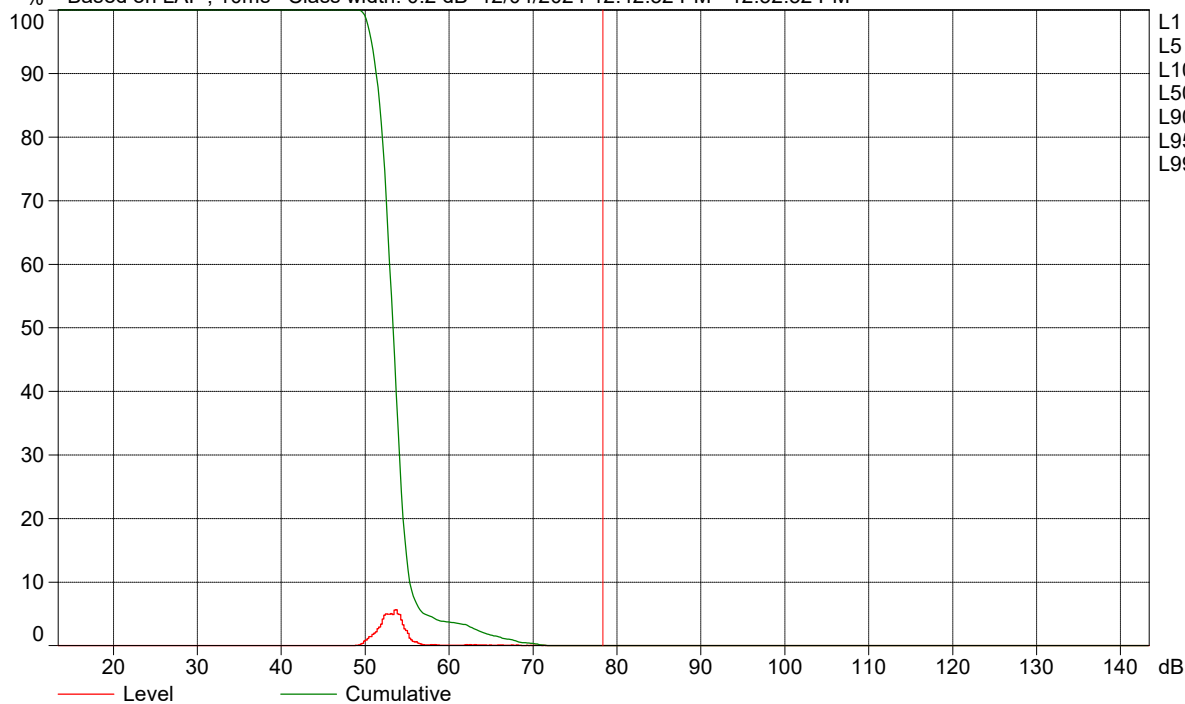






VICPLC\_001 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/04/2024 12:42:52 PM - 12:52:52 PM

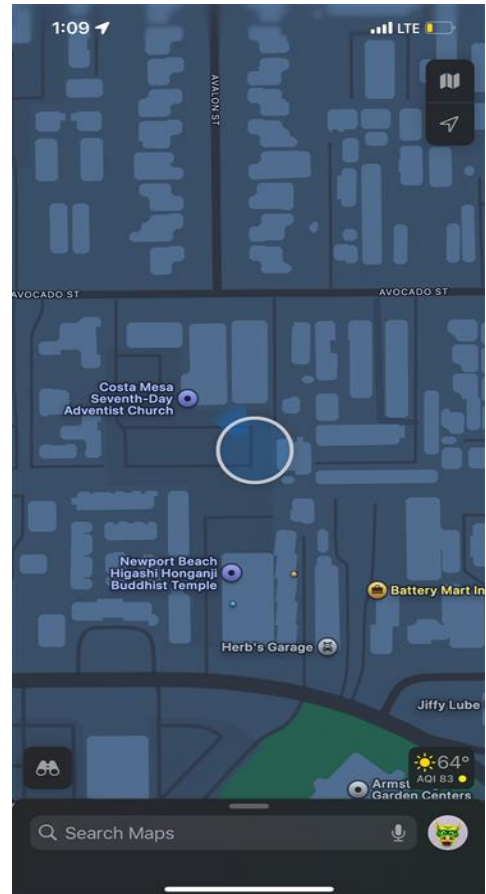


Cursor: [78.2 ; 78.4] dB Level: 0.0% Cumulative: 0.0%

<b>Site Number:</b> NM-2		
<b>Recorded By:</b> Darshan Shivaiah		
<b>Job Number:</b> 204361		
<b>Date:</b> 12/5/2024		
<b>Time:</b> 1:06 p.m.		
<b>Location:</b> In the parking lot, at the southeast corner of the Grace Orthodox Presbyterian Church		
<b>Source of Ambient Noise:</b> Overhead plane noise, traffic along Victoria Street		
Noise Data		
<b>L<sub>eq</sub> (dB)</b>	<b>L<sub>max</sub>(dB)</b>	<b>L<sub>min</sub> (dB)</b>
55.0	71.1	41.3

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.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Sunny		
	<b>Note:</b> dBA Offset = 0.04			<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>	
	5 mph		63		30.21	

### Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/04/2024 13:06:10
End Time:		12/04/2024 13:16:10
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

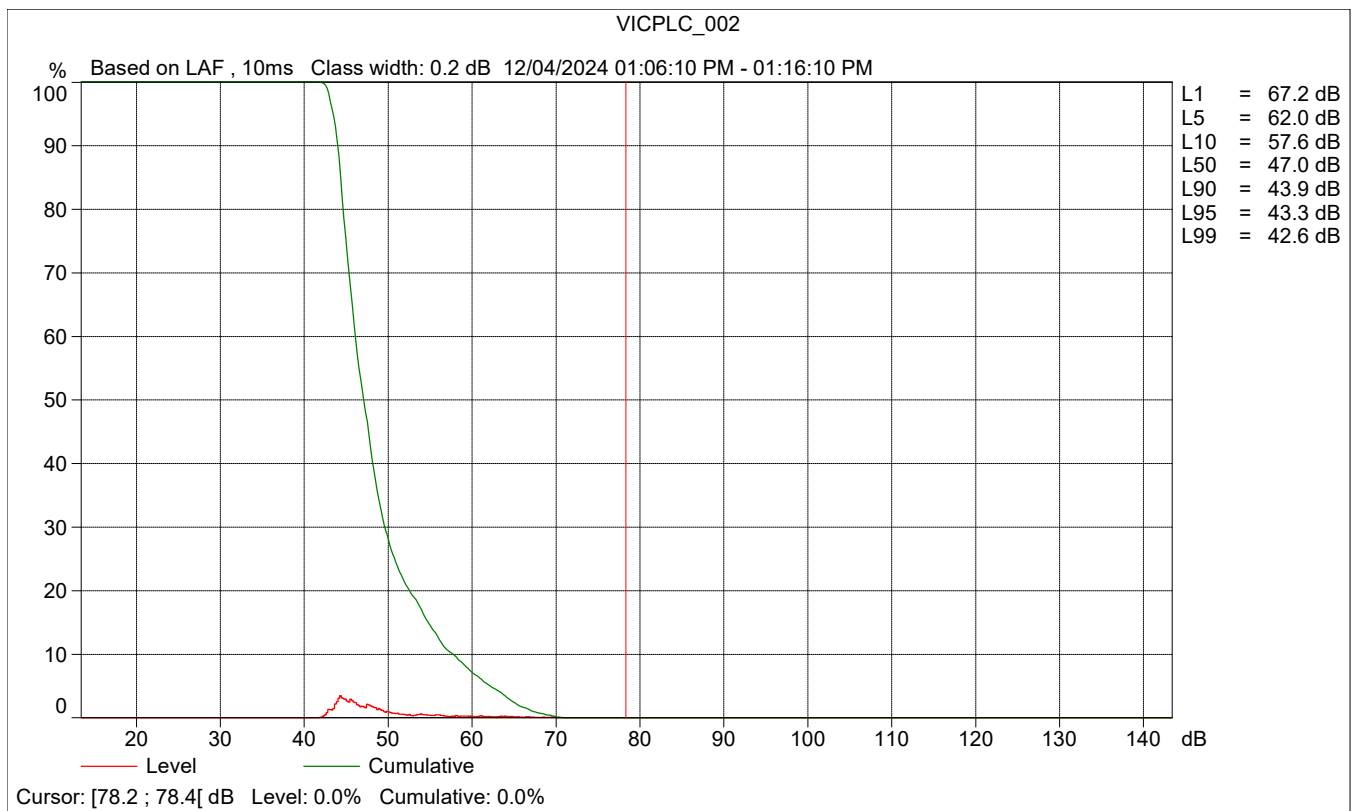
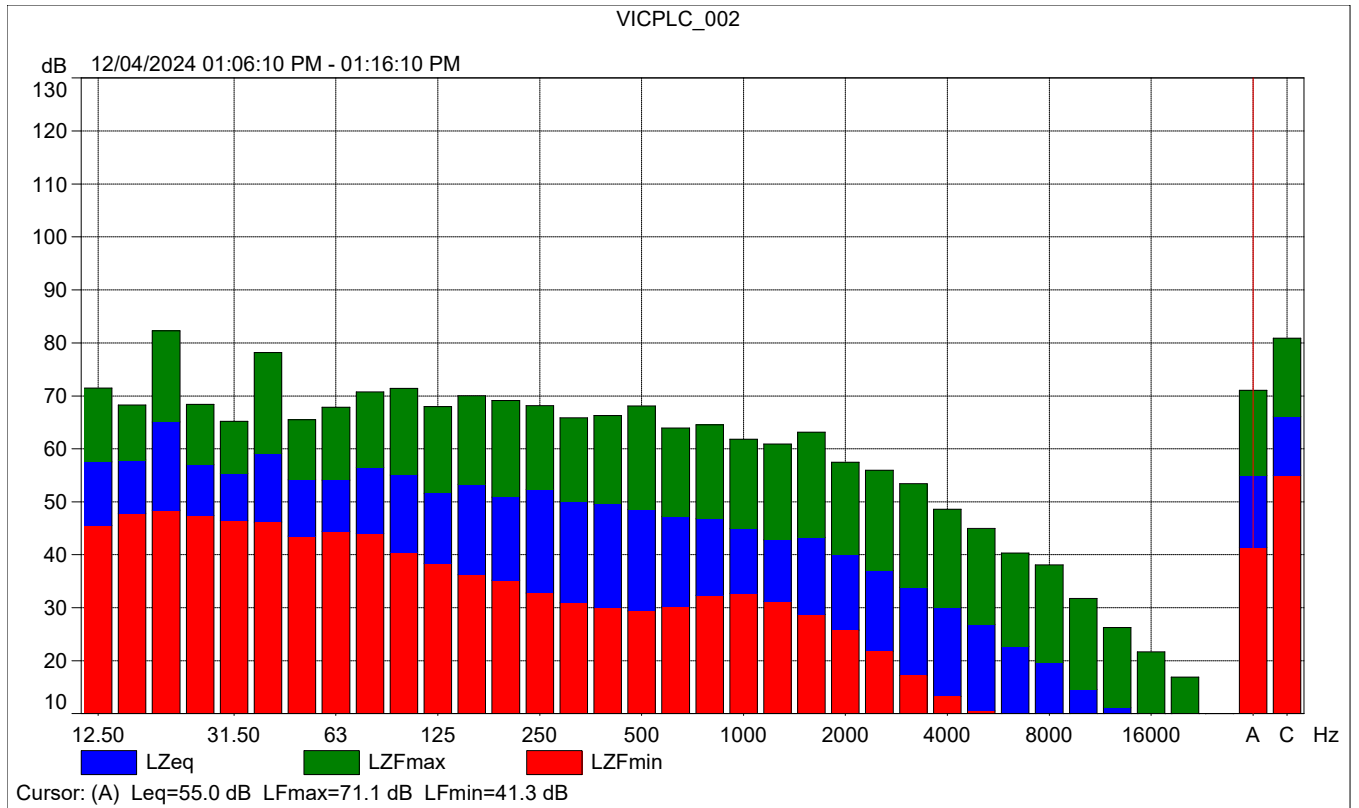
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

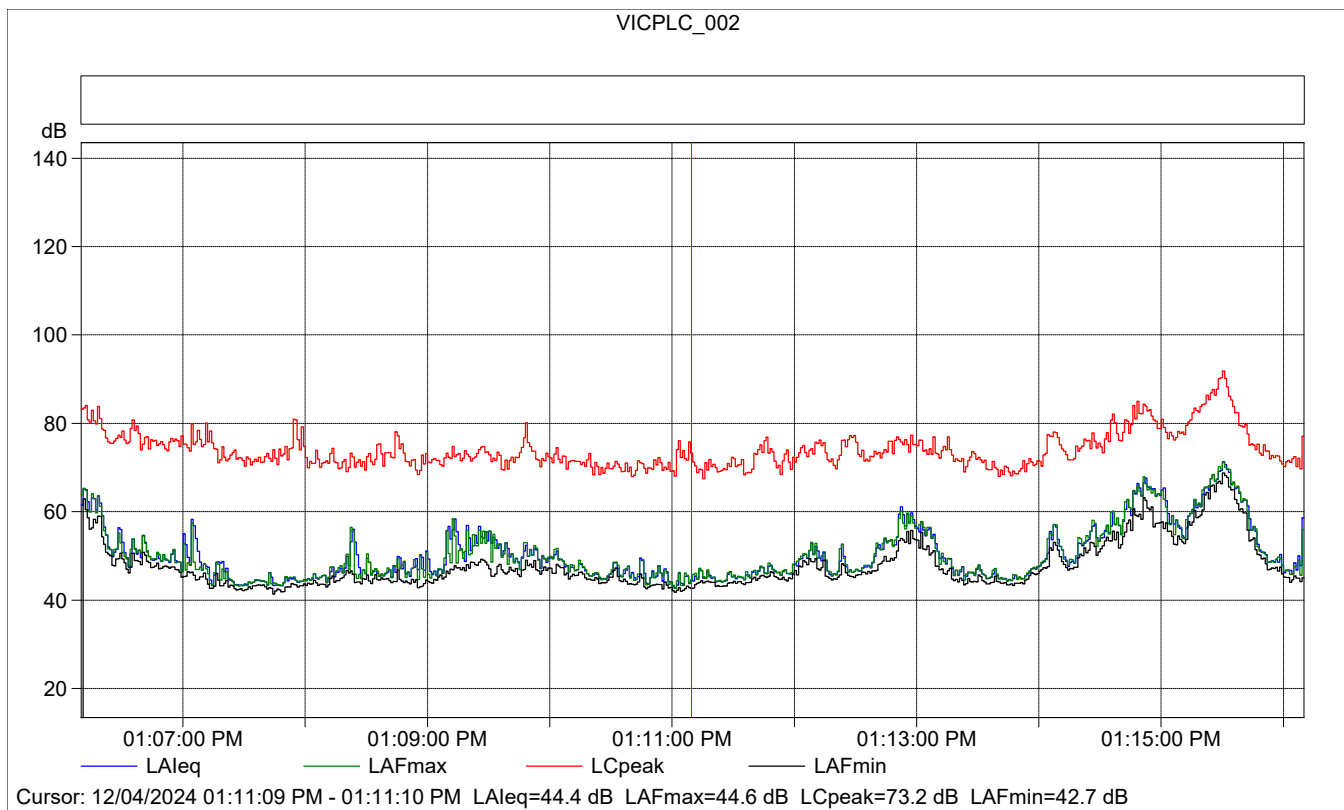
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/04/2024 12:41:54
Calibration Type:		External reference
Sensitivity:		43.3281362056732 mV/Pa

VICPLC\_002

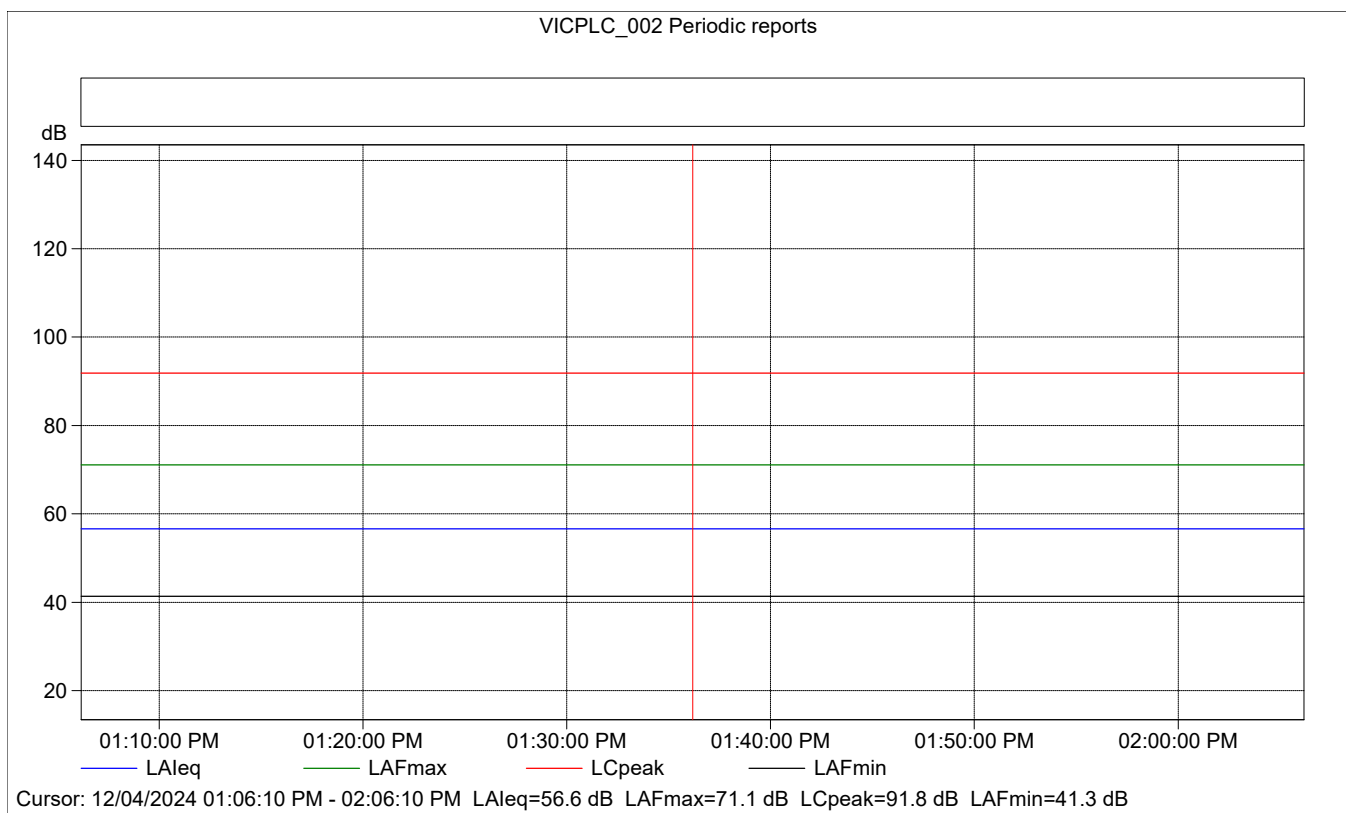
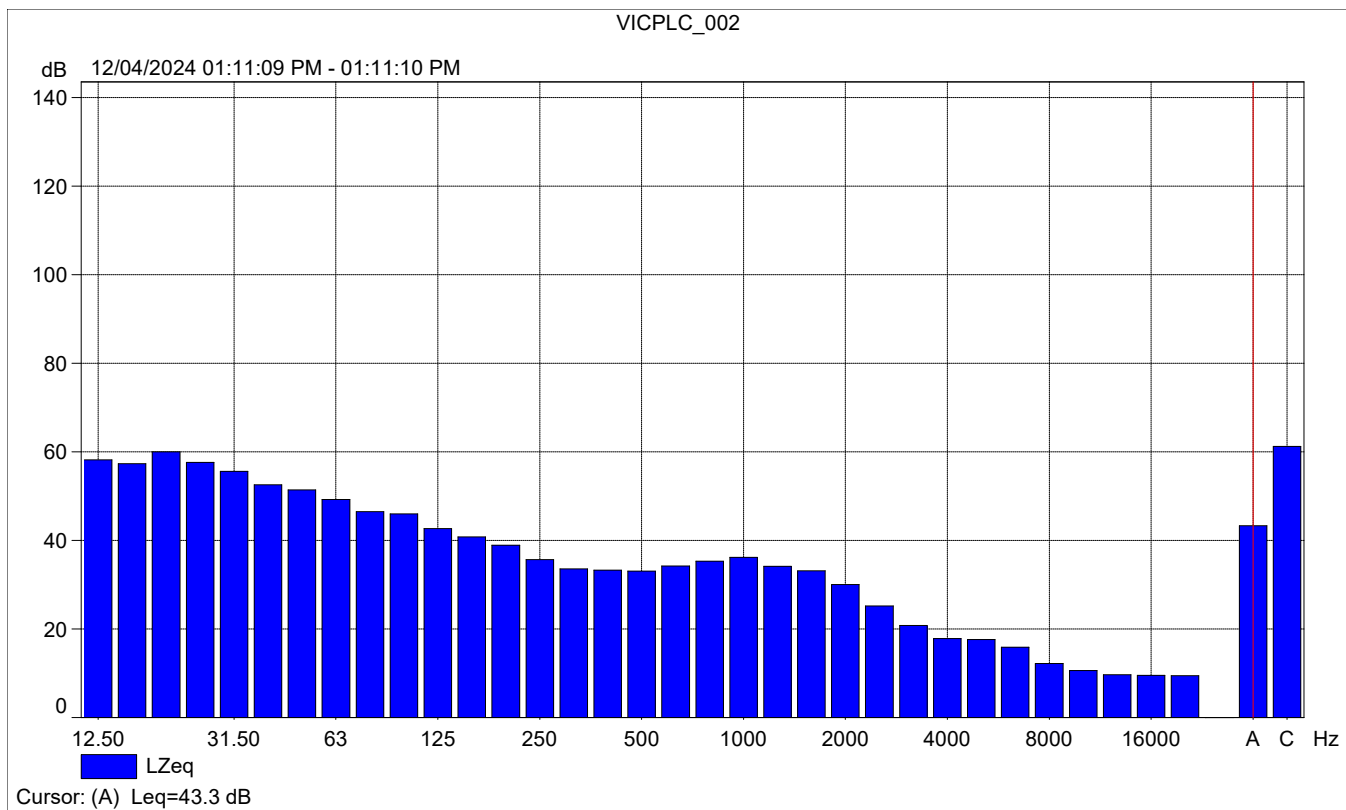
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>AFmax</sub> [dB]	L <sub>AFmin</sub> [dB]
Value				0.00	55.0	71.1	41.3
Time	01:06:10 PM	01:16:10 PM	0:10:00				
Date	12/04/2024	12/04/2024					





### VICPLC\_002

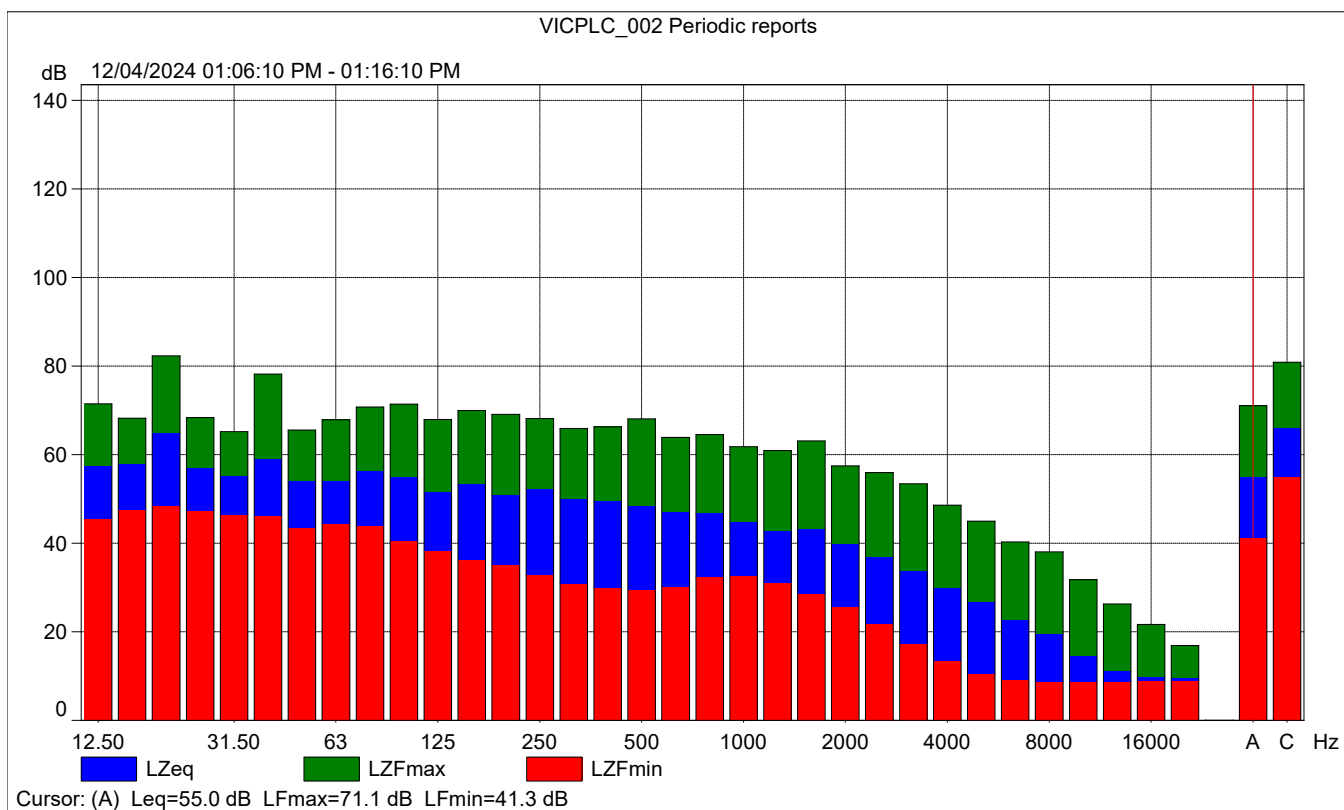
	Start time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	44.4	44.6	42.7
Time	01:11:09 PM	0:00:01				
Date	12/04/2024					





# VICPLC\_002 Periodic reports

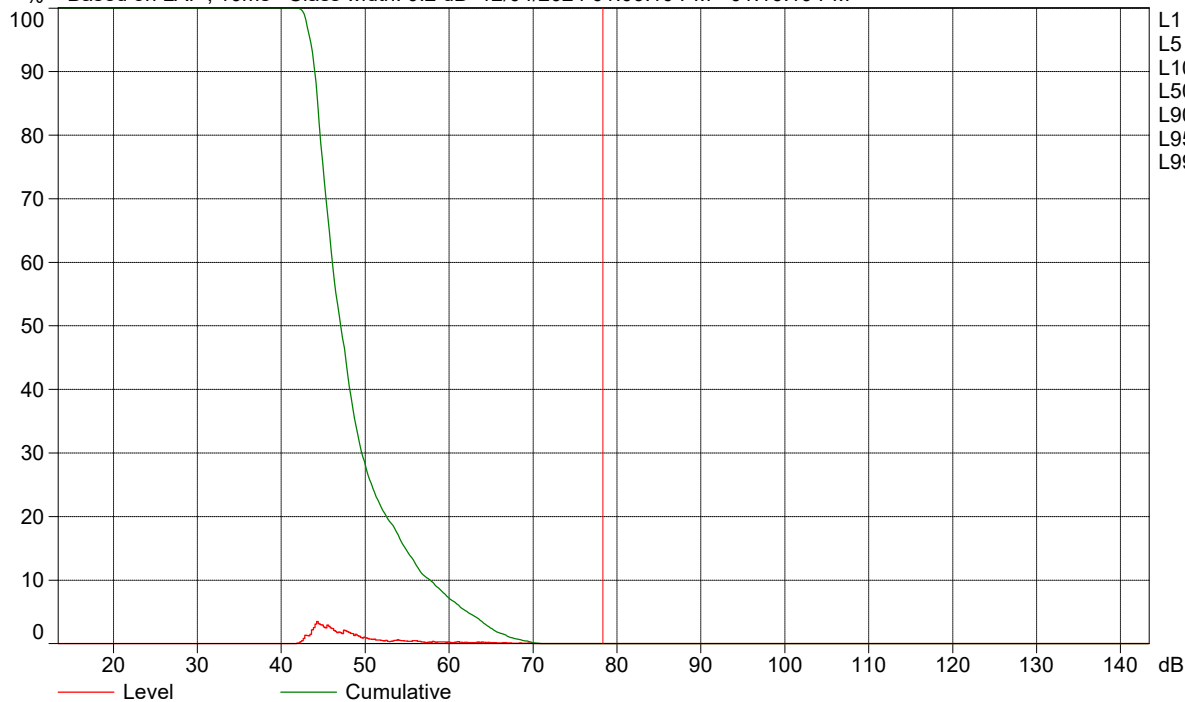
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	56.6	71.1	41.3
Time	01:06:10 PM	0:10:00				
Date	12/04/2024					





VICPLC\_002 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/04/2024 01:06:10 PM - 01:16:10 PM



- L1 = 67.2 dB
- L5 = 62.0 dB
- L10 = 57.6 dB
- L50 = 47.0 dB
- L90 = 43.9 dB
- L95 = 43.3 dB
- L99 = 42.6 dB

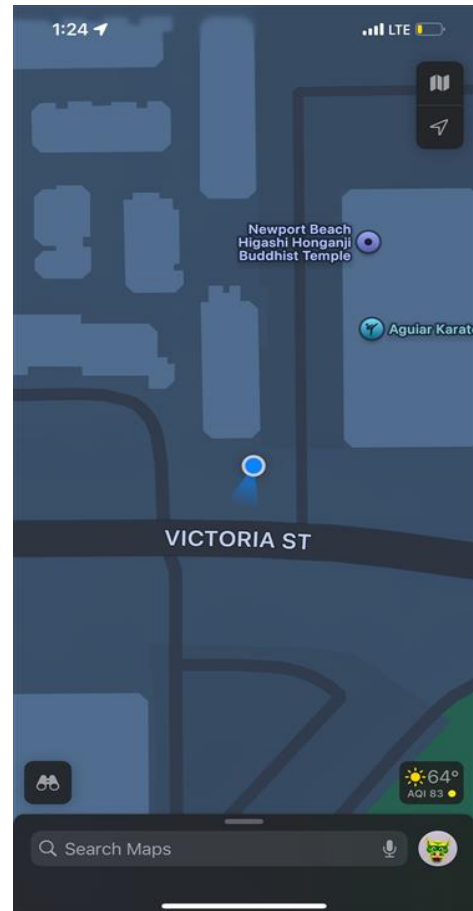
Cursor: [78.2 ; 78.4] dB Level: 0.0% Cumulative: 0.0%



<b>Site Number:</b> NM-3		
<b>Recorded By:</b> Darshan Shivaiah		
<b>Job Number:</b> 204361		
<b>Date:</b> 12/5/2024		
<b>Time:</b> 1:21 p.m.		
<b>Location:</b> In front of 206 Victoria Street		
<b>Source of Ambient Noise:</b> Overhead plane noise, traffic along Victoria Street		
Noise Data		
<b>L<sub>eq</sub> (dB)</b>	<b>L<sub>max</sub>(dB)</b>	<b>L<sub>min</sub> (dB)</b>
72.0	90.5	56.5

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.	<b>Duration:</b> 10 minutes			<b>Sky:</b> Sunny		
	<b>Note:</b> dBA Offset = 0.04			<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>	
	5 mph		63		30.21	

**Photo of Measurement Location**





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		12/04/2024 13:21:48
End Time:		12/04/2024 13:31:48
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

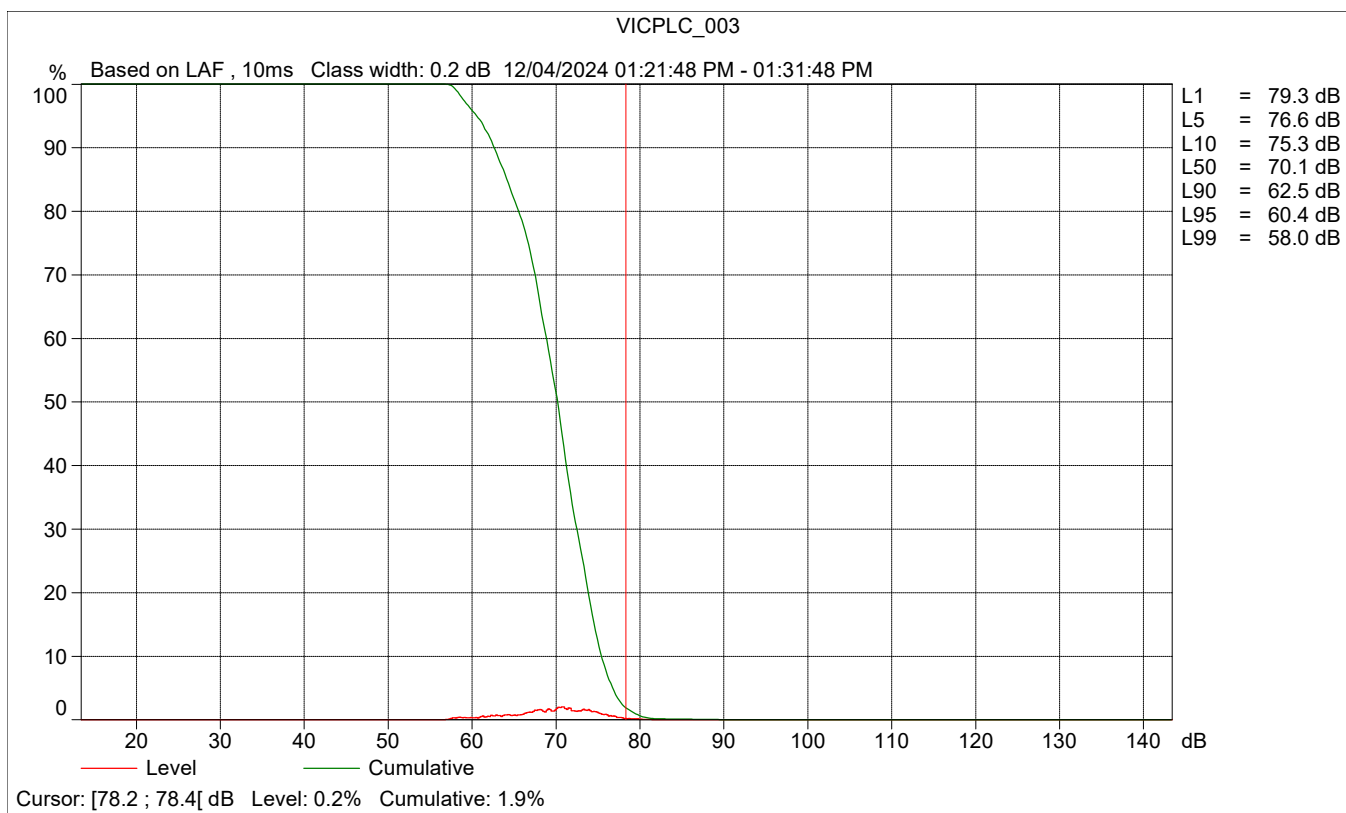
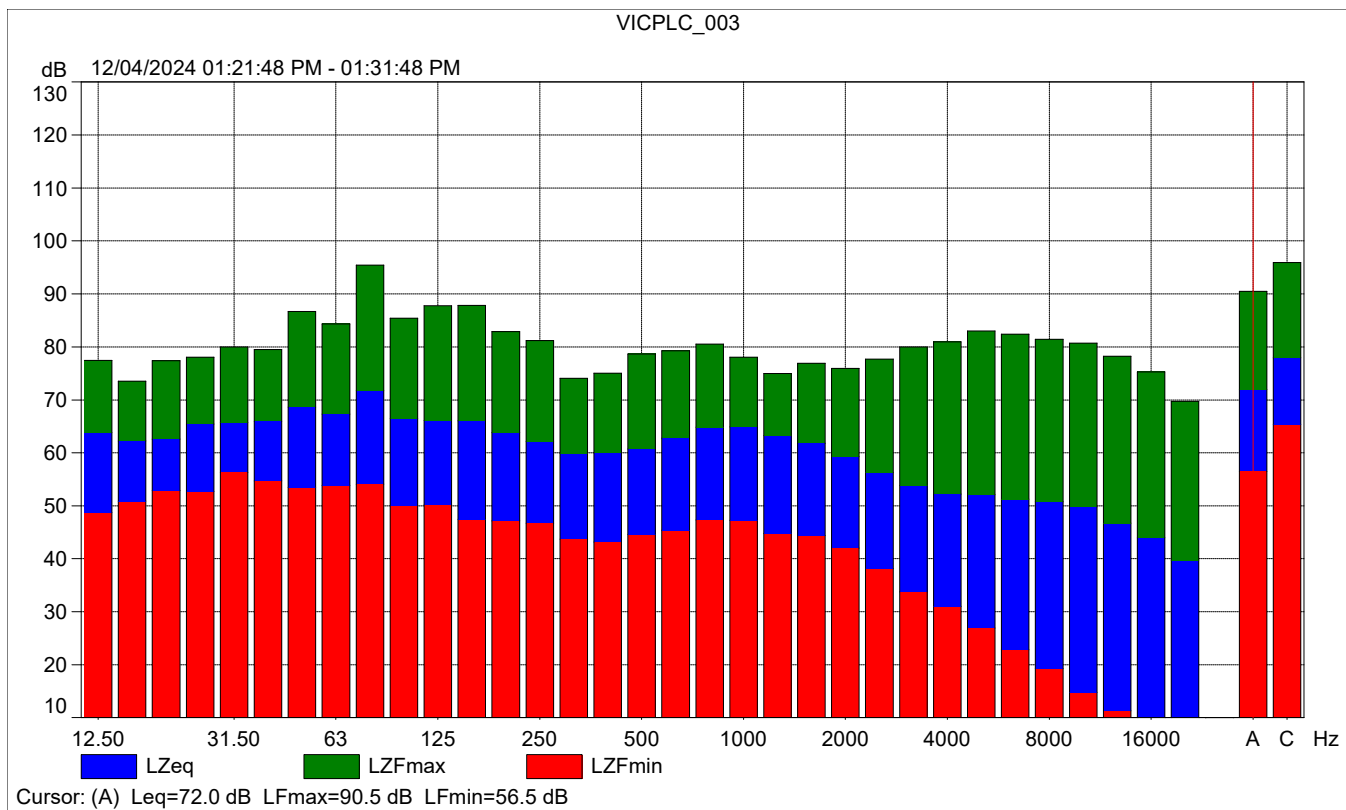
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

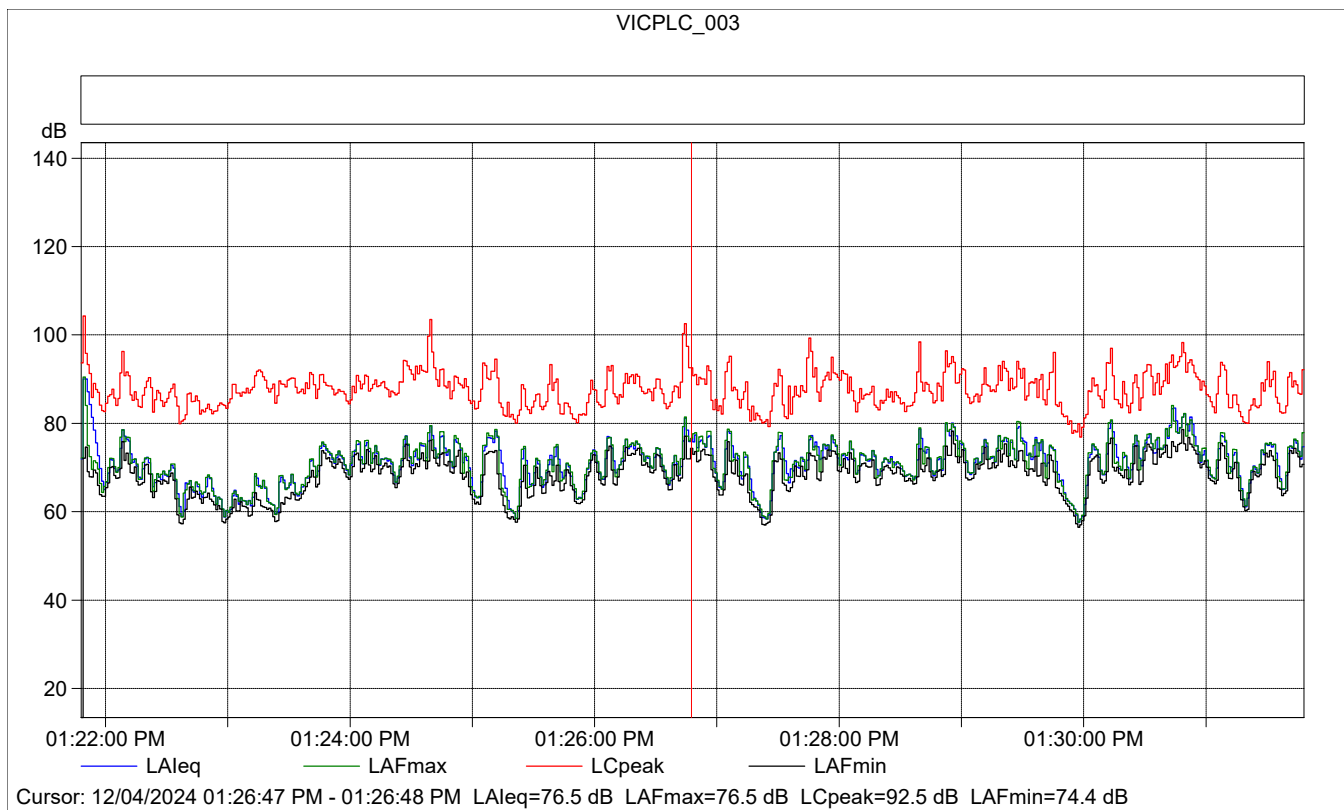
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/04/2024 12:41:54
Calibration Type:		External reference
Sensitivity:		43.3281362056732 mV/Pa

VICPLC\_003

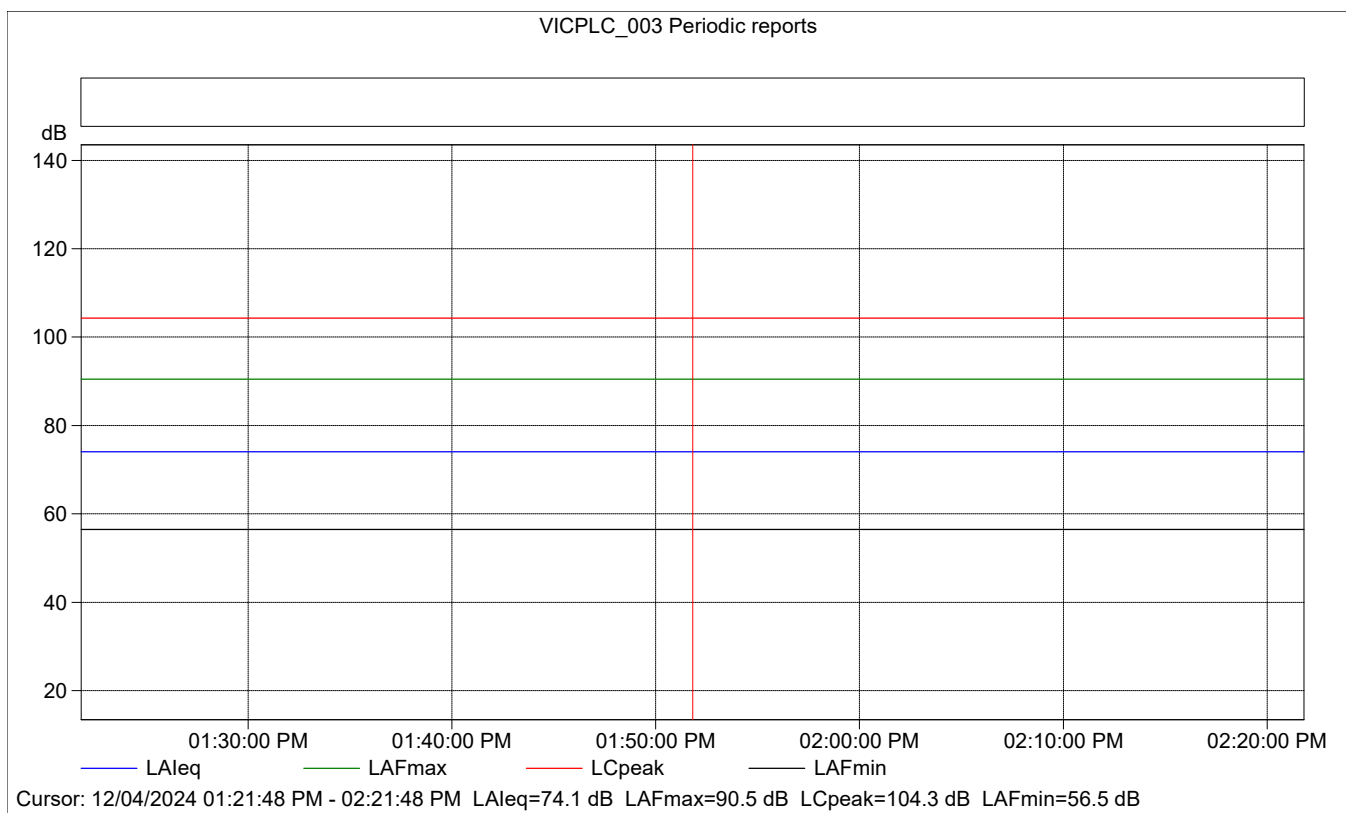
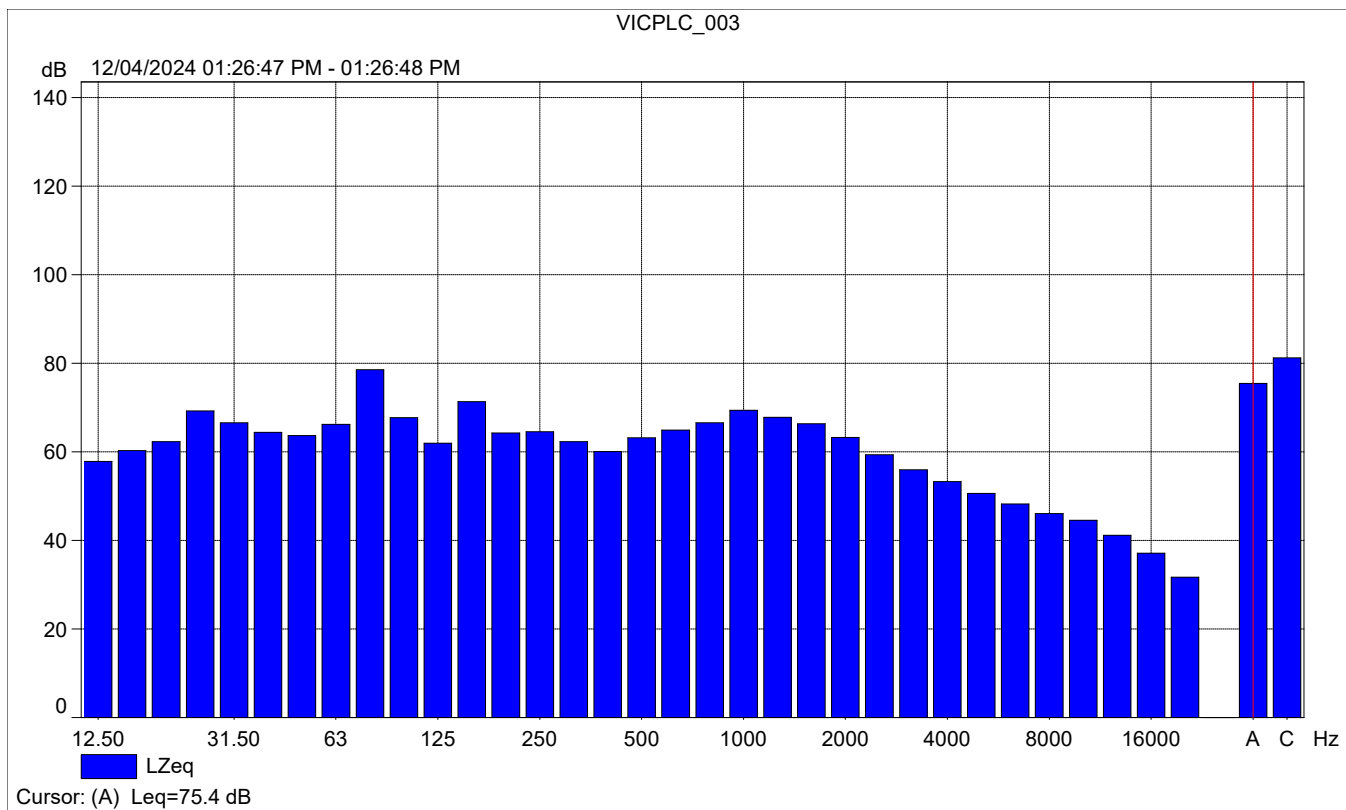
	Start time	End time	Elapsed time	Overload [%]	L <sub>Aeq</sub> [dB]	L <sub>A</sub> F <sub>max</sub> [dB]	L <sub>A</sub> F <sub>min</sub> [dB]
Value				0.00	72.0	90.5	56.5
Time	01:21:48 PM	01:31:48 PM	0:10:00				
Date	12/04/2024	12/04/2024					





### VICPLC\_003

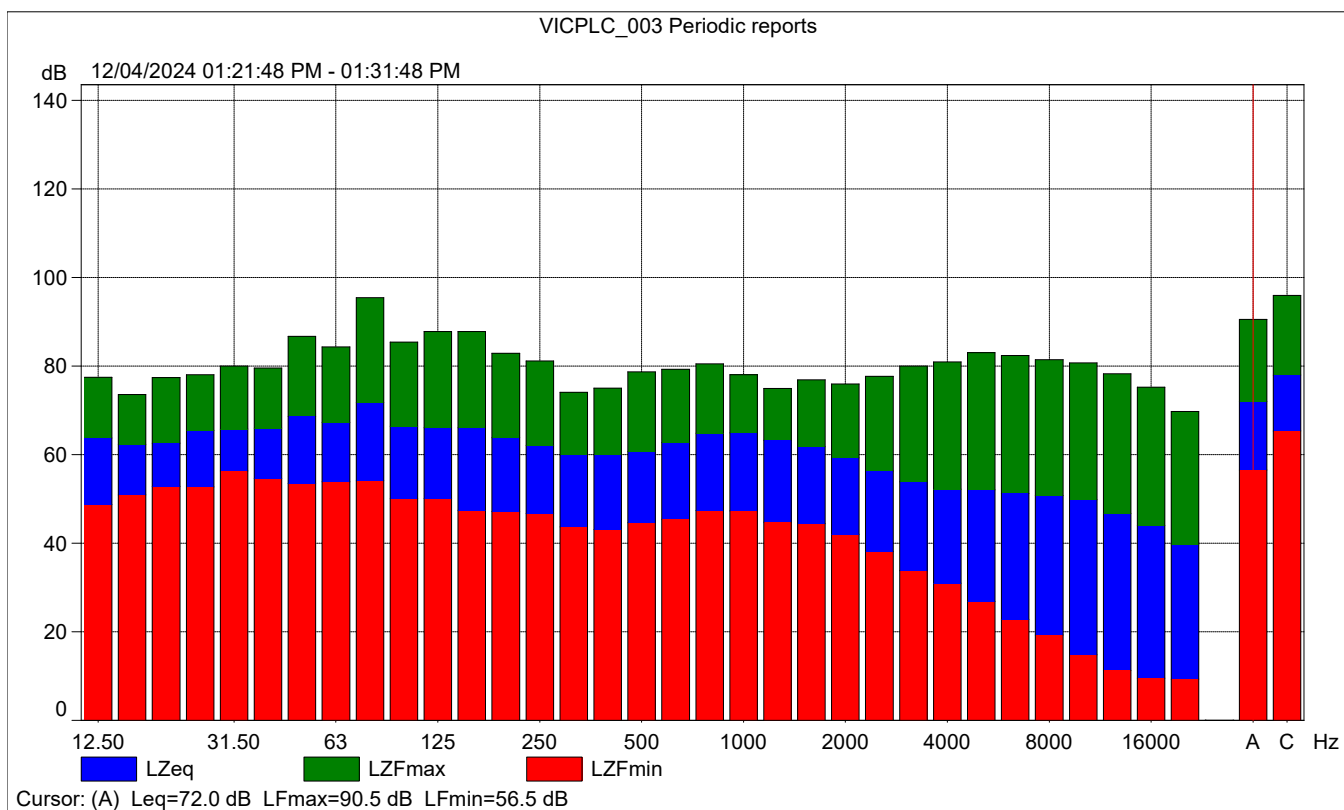
	Start time	Elapsed time	Overload [%]	LAleq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	76.5	76.5	74.4
Time	01:26:47 PM	0:00:01				
Date	12/04/2024					





### VICPLC\_003 Periodic reports

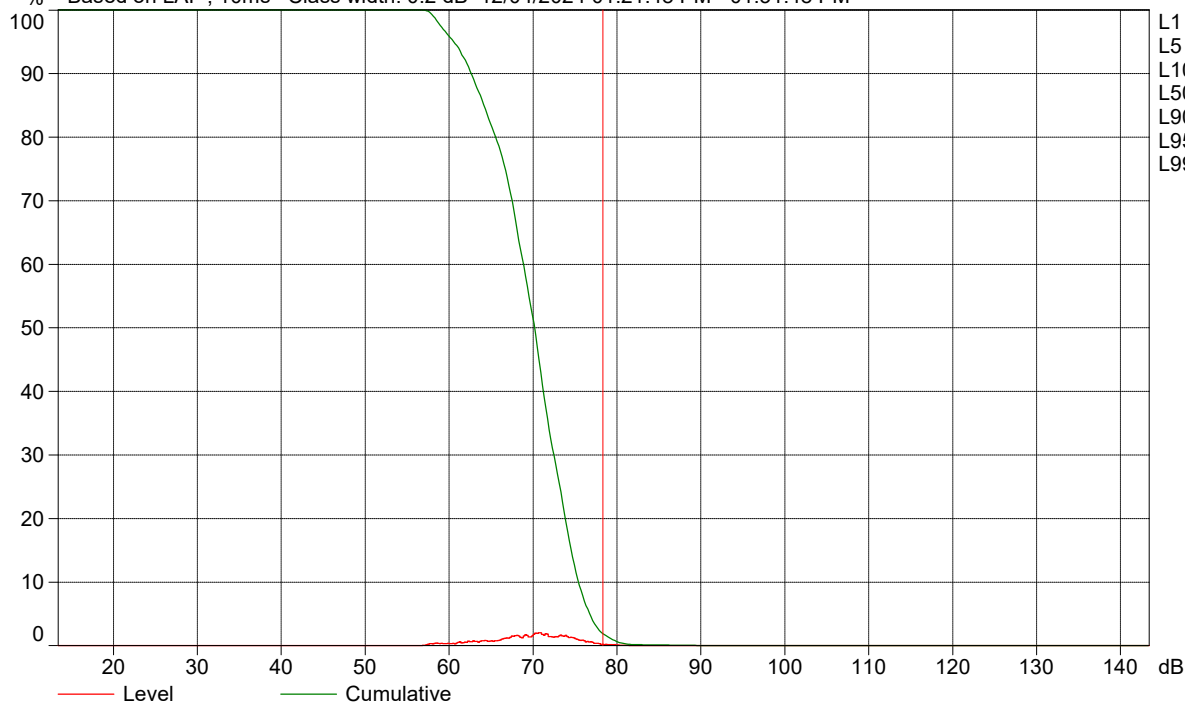
	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	74.1	90.5	56.5
Time	01:21:48 PM	0:10:00				
Date	12/04/2024					





VICPLC\_003 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/04/2024 01:21:48 PM - 01:31:48 PM



- L1 = 79.3 dB
- L5 = 76.6 dB
- L10 = 75.3 dB
- L50 = 70.1 dB
- L90 = 62.5 dB
- L95 = 60.4 dB
- L99 = 58.0 dB

Cursor: [78.2 ; 78.4] dB Level: 0.2% Cumulative: 1.9%







N/A	Total	79.8	75.1	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A			

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 11/27/2024  
 Case Description: Building Construction

\*\*\*\* Receptor #1 \*\*\*\*

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
North Residence	Residential	60.0	60.0	60.0

Description	Impact Device	Usage (%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	155.0	0.0
Man Lift	No	20		74.7	155.0	0.0
Generator	No	50		80.6	155.0	0.0
Backhoe	No	40		77.6	155.0	0.0
Welder / Torch	No	40		74.0	155.0	0.0
Welder / Torch	No	40		74.0	155.0	0.0
Welder / Torch	No	40		74.0	155.0	0.0

Results

Equipment	Noise Limit Exceedance (dBA)					Noise Limits (dBA)			
	Day	Evening	Day Night	Evening		Lmax	Leq	Lmax	Leq
Crane		70.7	62.8	N/A	N/A	N/A	N/A	N/A	N/A
Man Lift		64.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A
Generator		70.8	67.8	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe		67.7	63.8	N/A	N/A	N/A	N/A	N/A	N/A





N/A	Total	70.2	71.2	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A			

