11.10 Noise Data

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

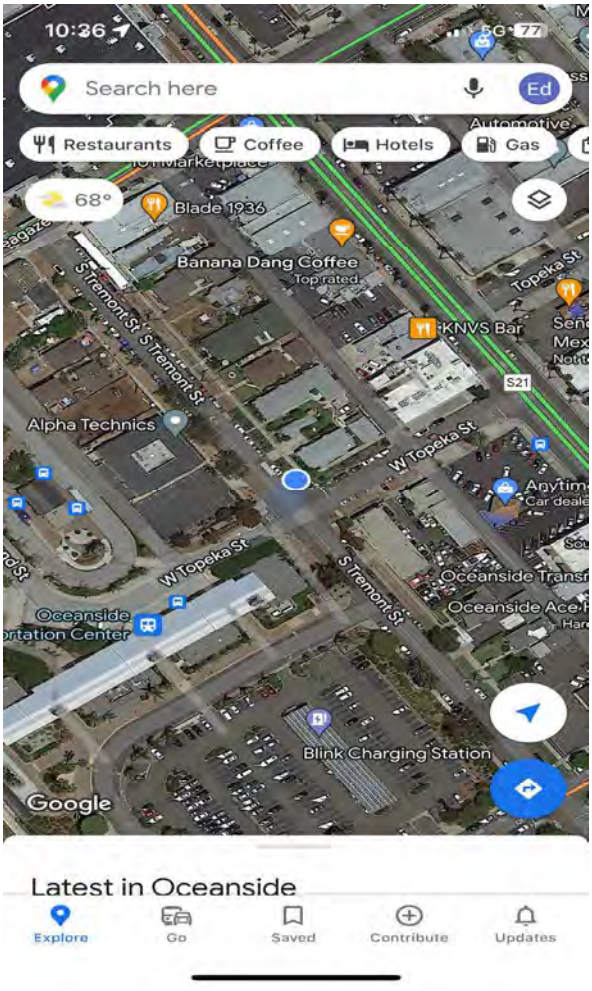
Site Number: NM-1	
Recorded By: Eddie Torres	
Job Number: 190739	
Date: 10/26/22	
Time: 10:23 am	
Location: Corner of Tremont Street/Topeka Street	
Source of Peak Noise: Traffic Noise	

Noise Data			
Leq (dB)	**Lmax(dB)**	**Lmin (dB)**	**Peak (dB)**
55.9	75.4	44.6	97.4

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 = 0.0		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	2.5 mph	69.4	50.1

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		10/26/2022 10:32:07
End Time:		10/26/2022 10:42:16
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

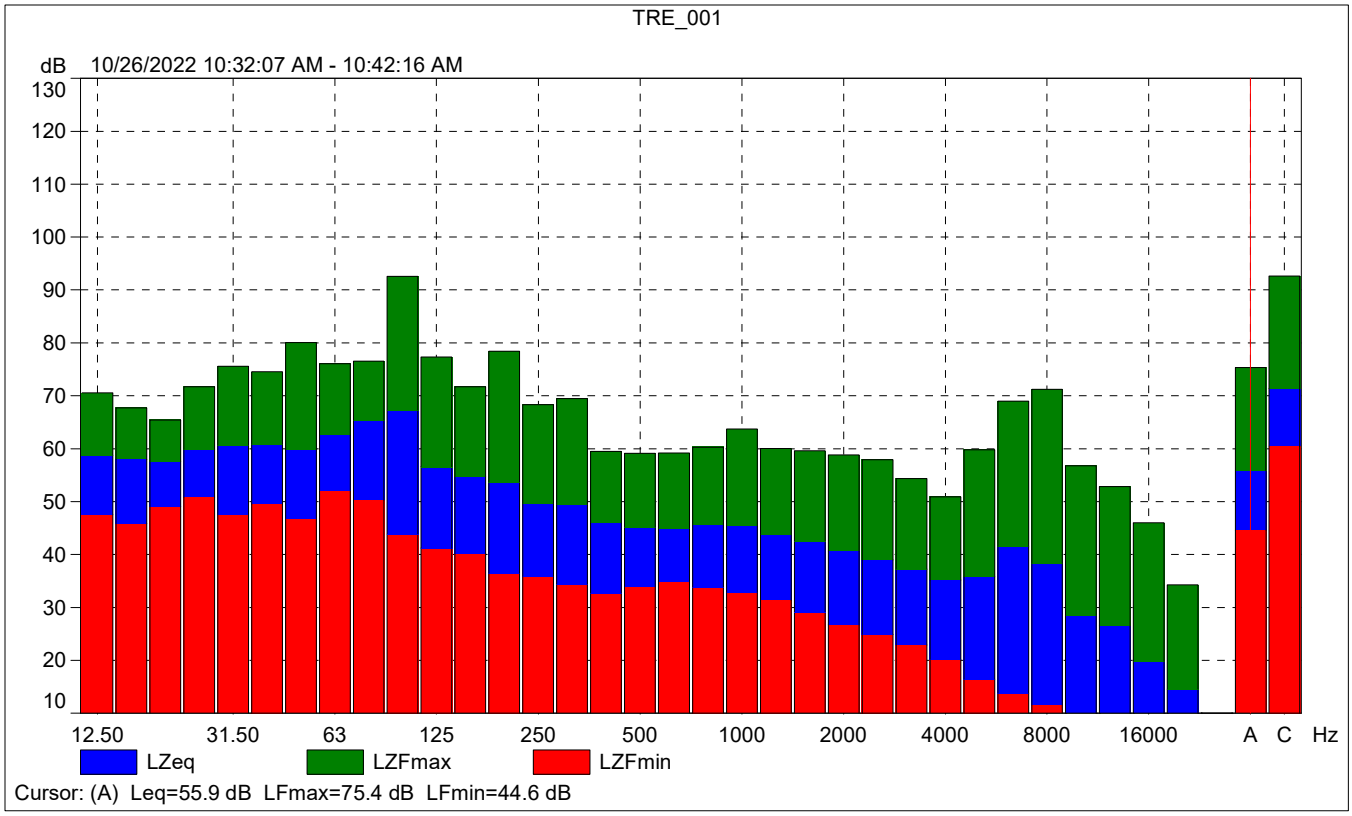
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

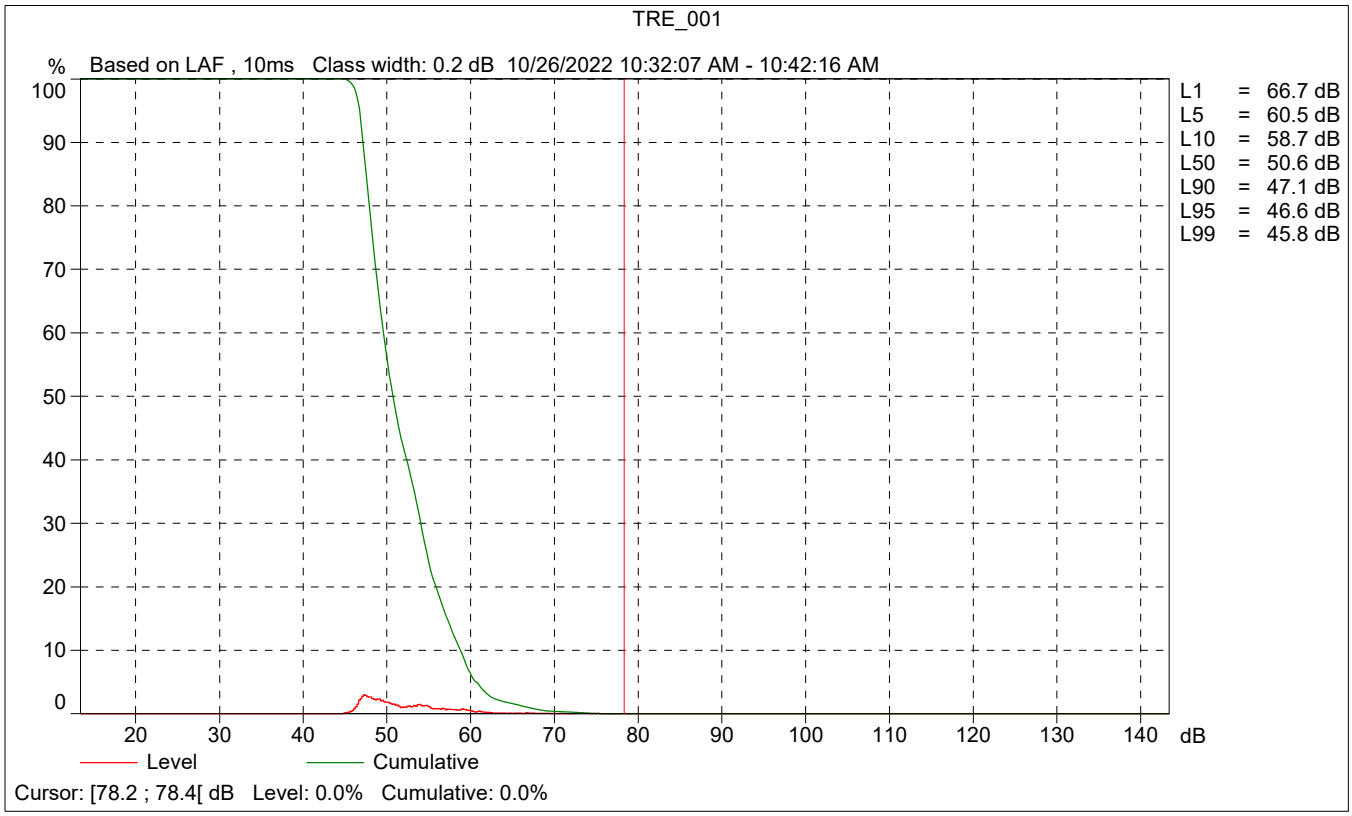
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

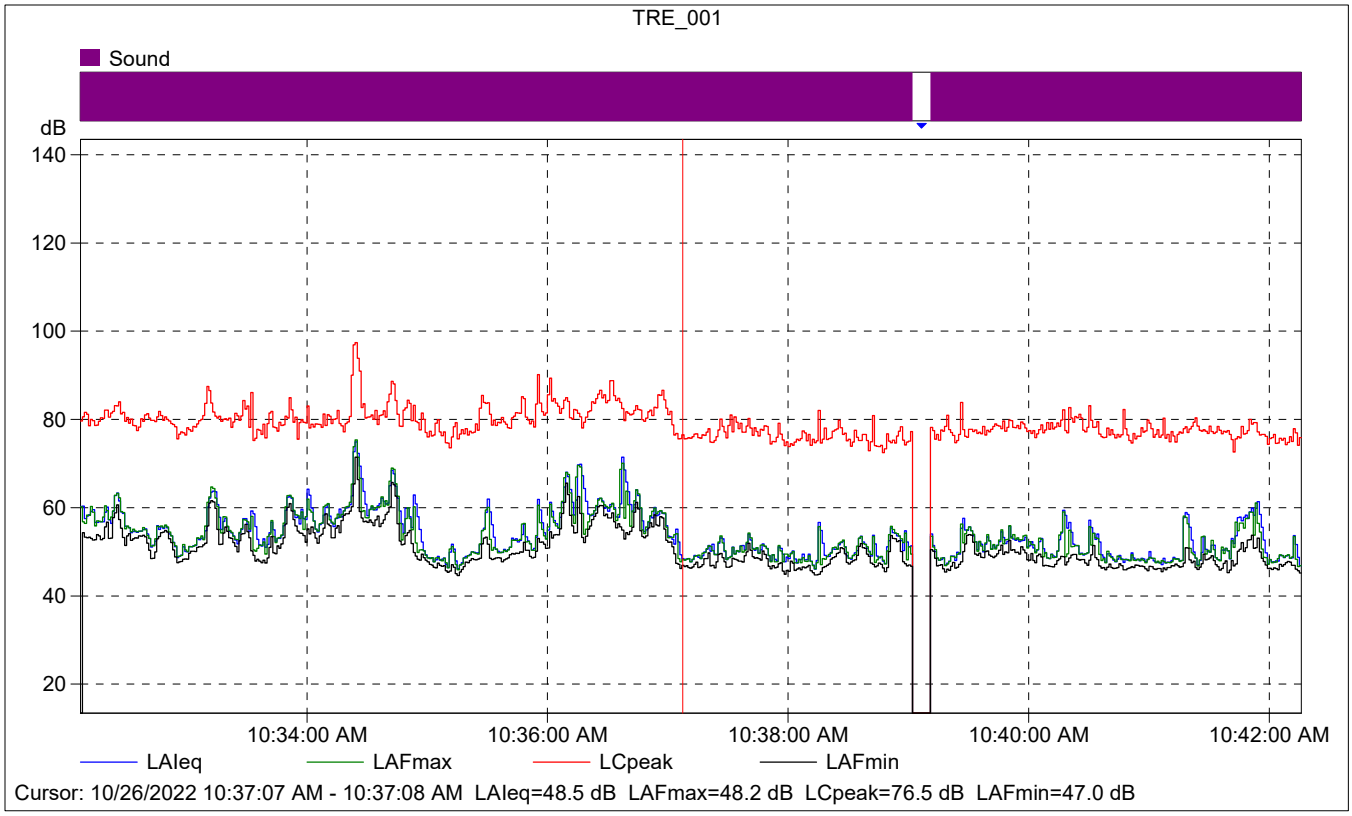
Calibration Time:		10/19/2022 07:11:45
Calibration Type:		External reference
Sensitivity:		43.3151684701443 mV/Pa

TRE_001

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	55.9	75.4	44.6
Time	10:32:07 AM	10:42:16 AM	0:10:00				
Date	10/26/2022	10/26/2022					

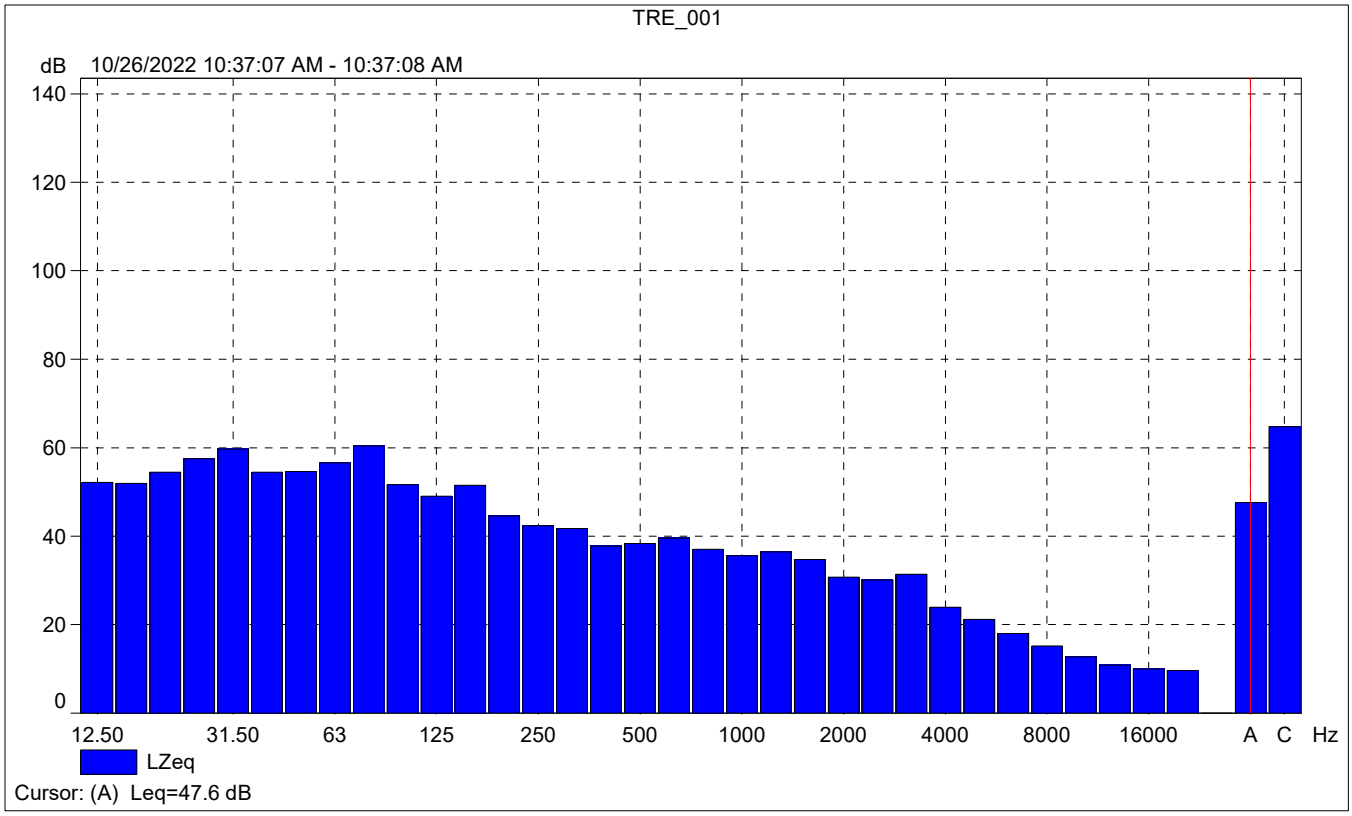

TRE_001
dB
10/26/2022 10:32:07 AM - 10:42:16 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=55.9 dB LFmax=75.4 dB LFmin=44.6 dB

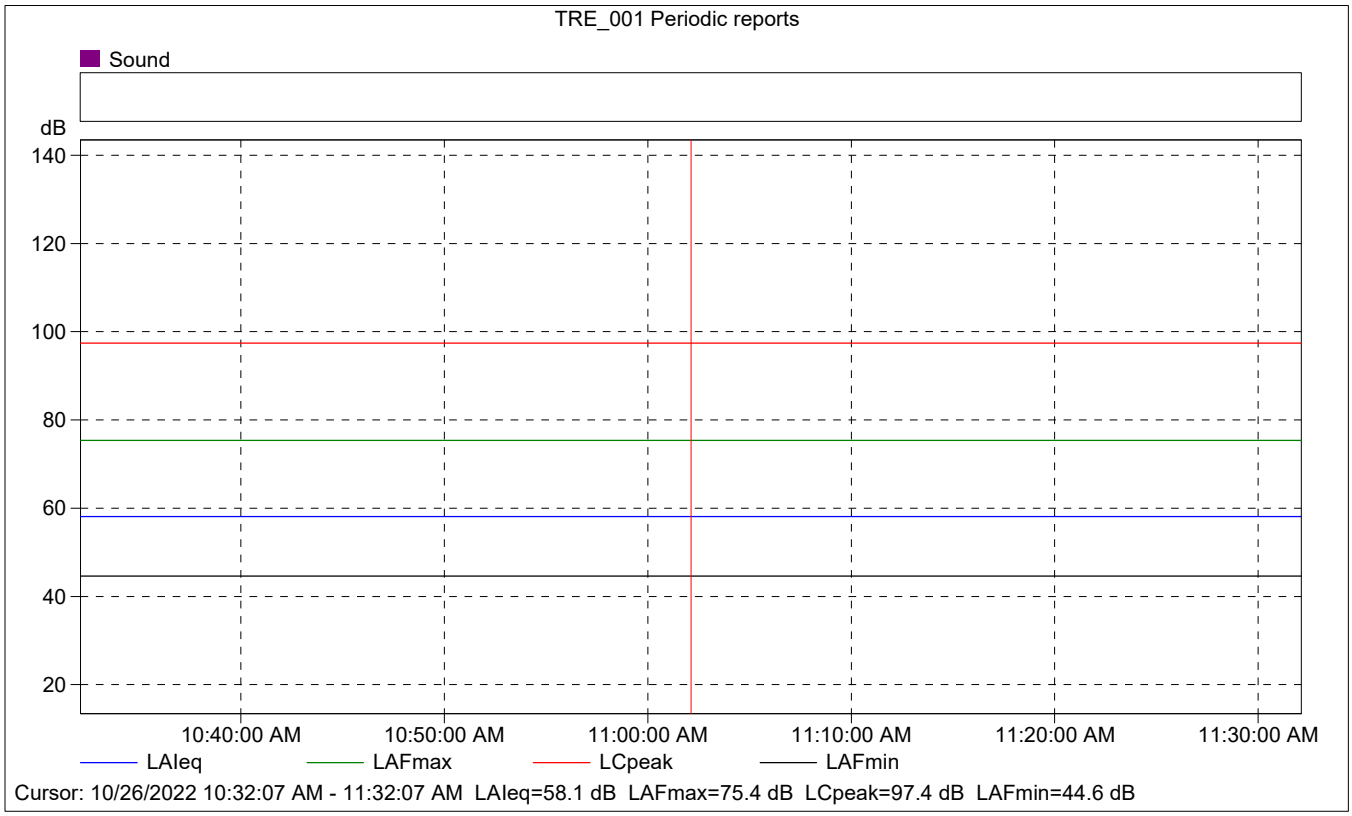

TRE_001
%
Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 10:32:07 AM - 10:42:16 AM
100
90
80
70
60
50
40
30
20
10
0
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 66.7 dB
L5 = 60.5 dB
L10 = 58.7 dB
L50 = 50.6 dB
L90 = 47.1 dB
L95 = 46.6 dB
L99 = 45.8 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%



TRE_001

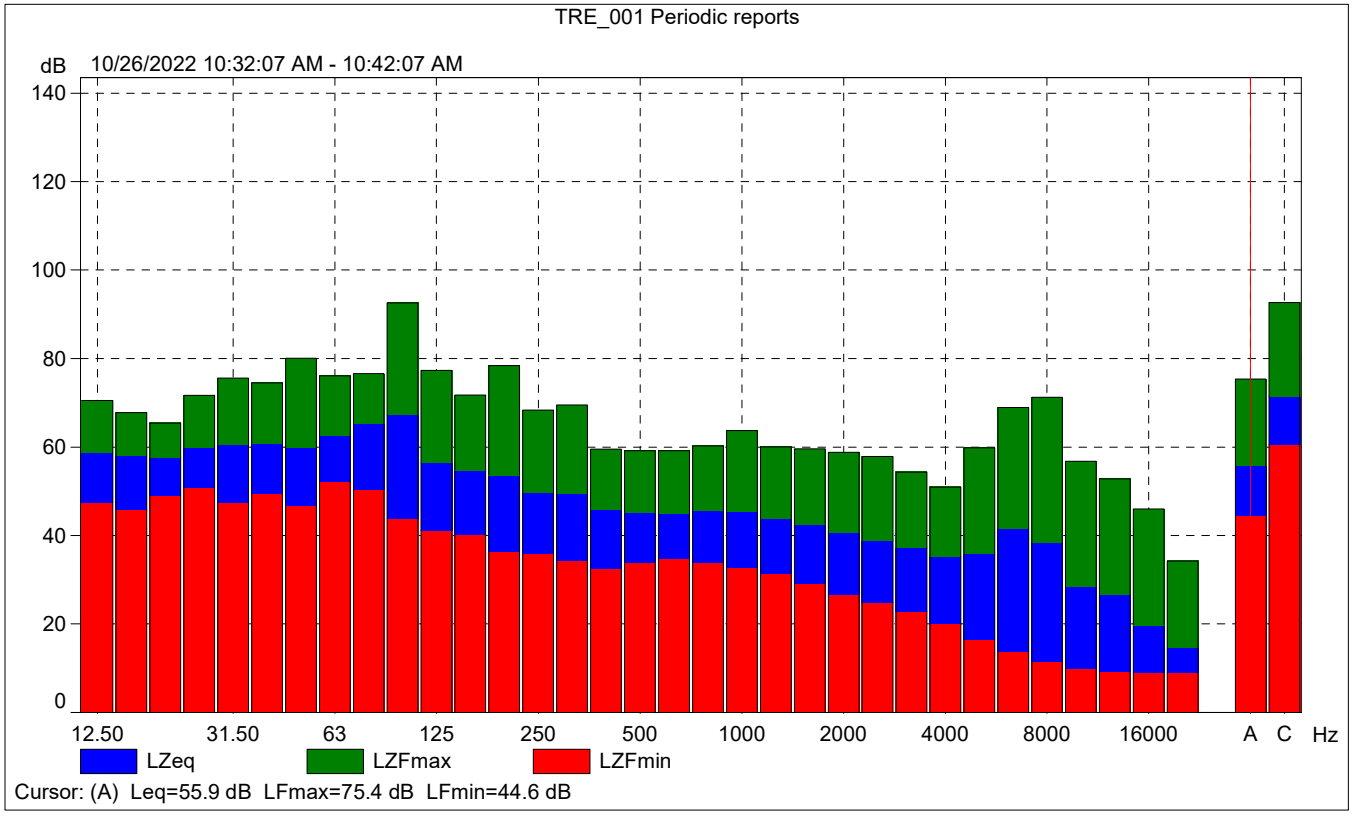
	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			48.5	48.2	47.0
Time	10:37:07 AM	0:00:01			
Date	10/26/2022				

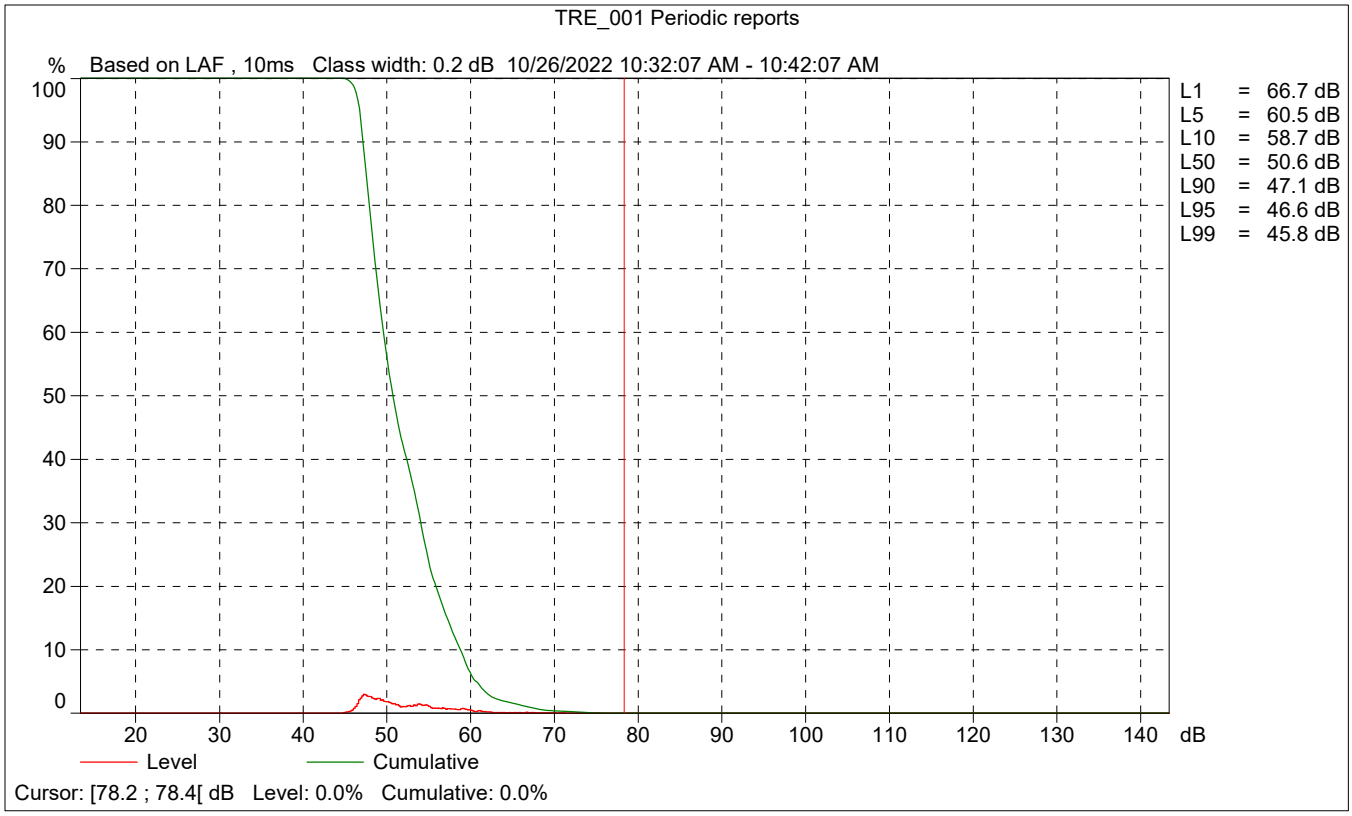

TRE_001
dB
10/26/2022 10:37:07 AM - 10:37:08 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
Cursor: (A) Leq=47.6 dB


TRE_001 Periodic reports
Sound
dB
140
120
100
80
60
40
20
10:40:00 AM
10:50:00 AM
11:00:00 AM
11:10:00 AM
11:20:00 AM
11:30:00 AM
LAIeq
LAFmax
LCpeak
LAFmin
Cursor: 10/26/2022 10:32:07 AM - 11:32:07 AM LAIeq=58.1 dB LAFmax=75.4 dB LCpeak=97.4 dB LAFmin=44.6 dB

TRE_001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	58.1	75.4	44.6
Time	10:32:07 AM	0:10:00				
Date	10/26/2022					




TRE_001 Periodic reports
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 10:32:07 AM - 10:42:07 AM
100
90
80
70
60
50
40
30
20
10
0
20 30 40 50 60 70 80 90 100 110 120 130 140 dB
Level
Cumulative
L1 = 66.7 dB
L5 = 60.5 dB
L10 = 58.7 dB
L50 = 50.6 dB
L90 = 47.1 dB
L95 = 46.6 dB
L99 = 45.8 dB
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

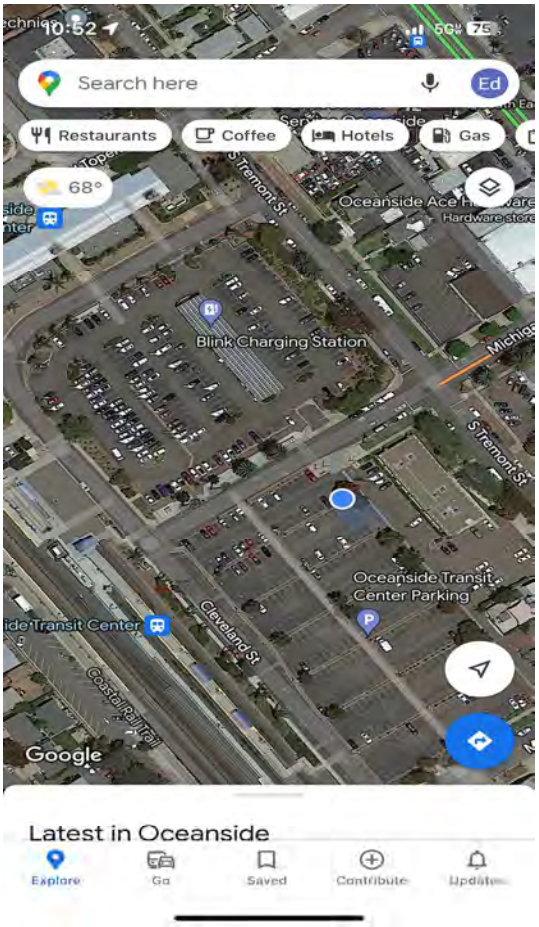
Site Number: NM-2	
Recorded By: Eddie Torres	
Job Number: 190739	
Date: 10/26/22	
Time: 10:53 am	
Location: On-Site, along Michigan Street	
Source of Peak Noise: Traffic Noise	

Noise Data			
Leq (dB)	**Lmax(dB)**	**Lmin (dB)**	**Peak (dB)**
53.6	74.2	45.7	98.5

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 = 0.0		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	2.2 mph	70.1	49.4

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		10/26/2022 10:51:46
End Time:		10/26/2022 11:01:46
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

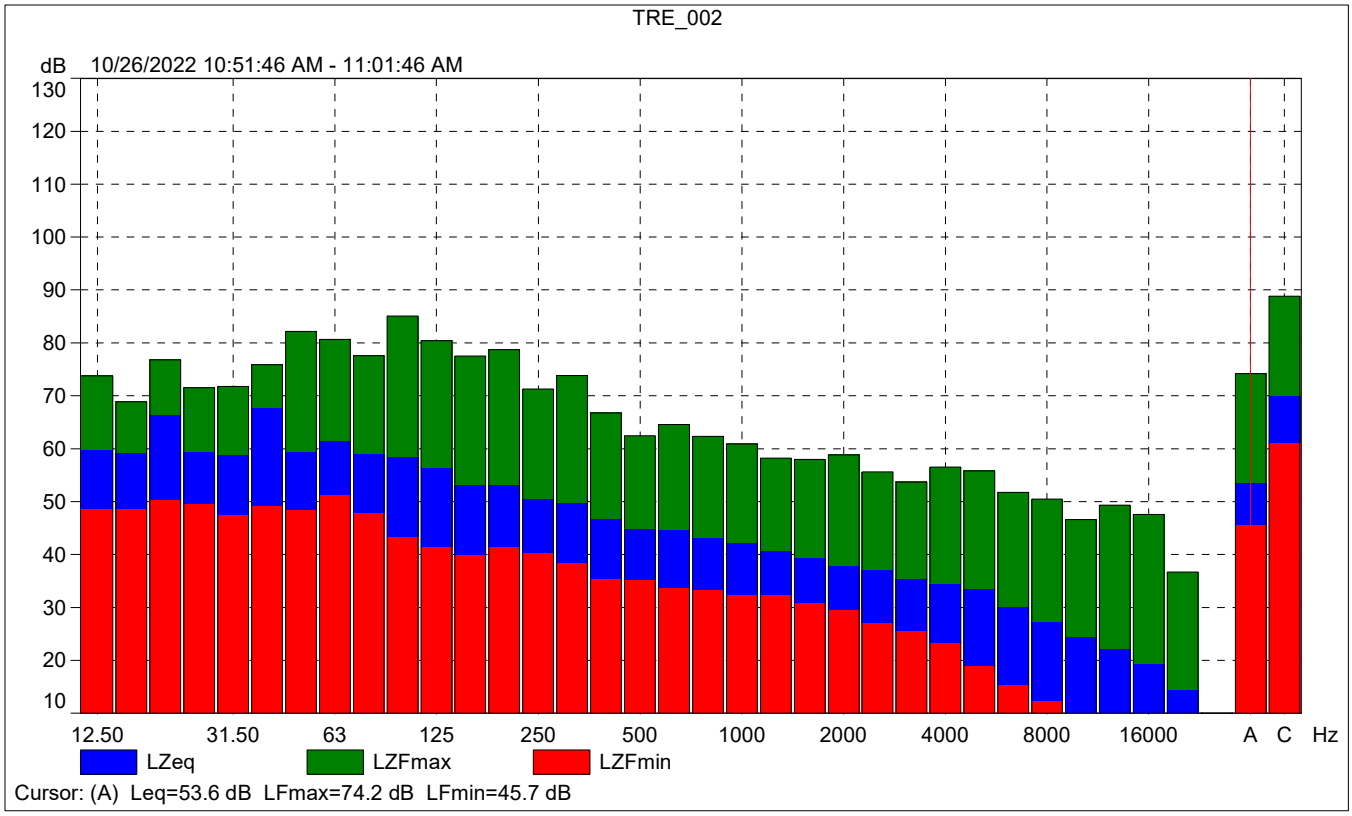
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

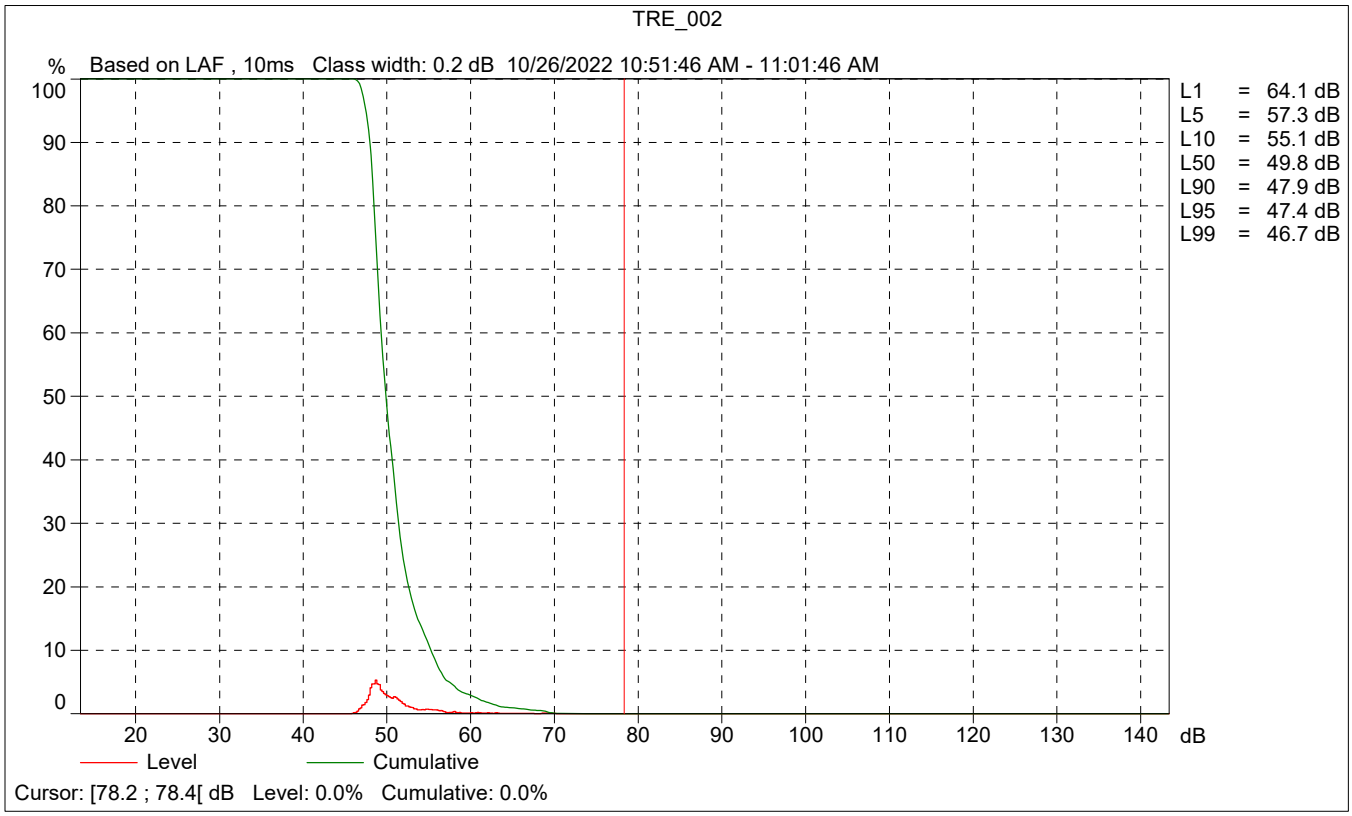
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

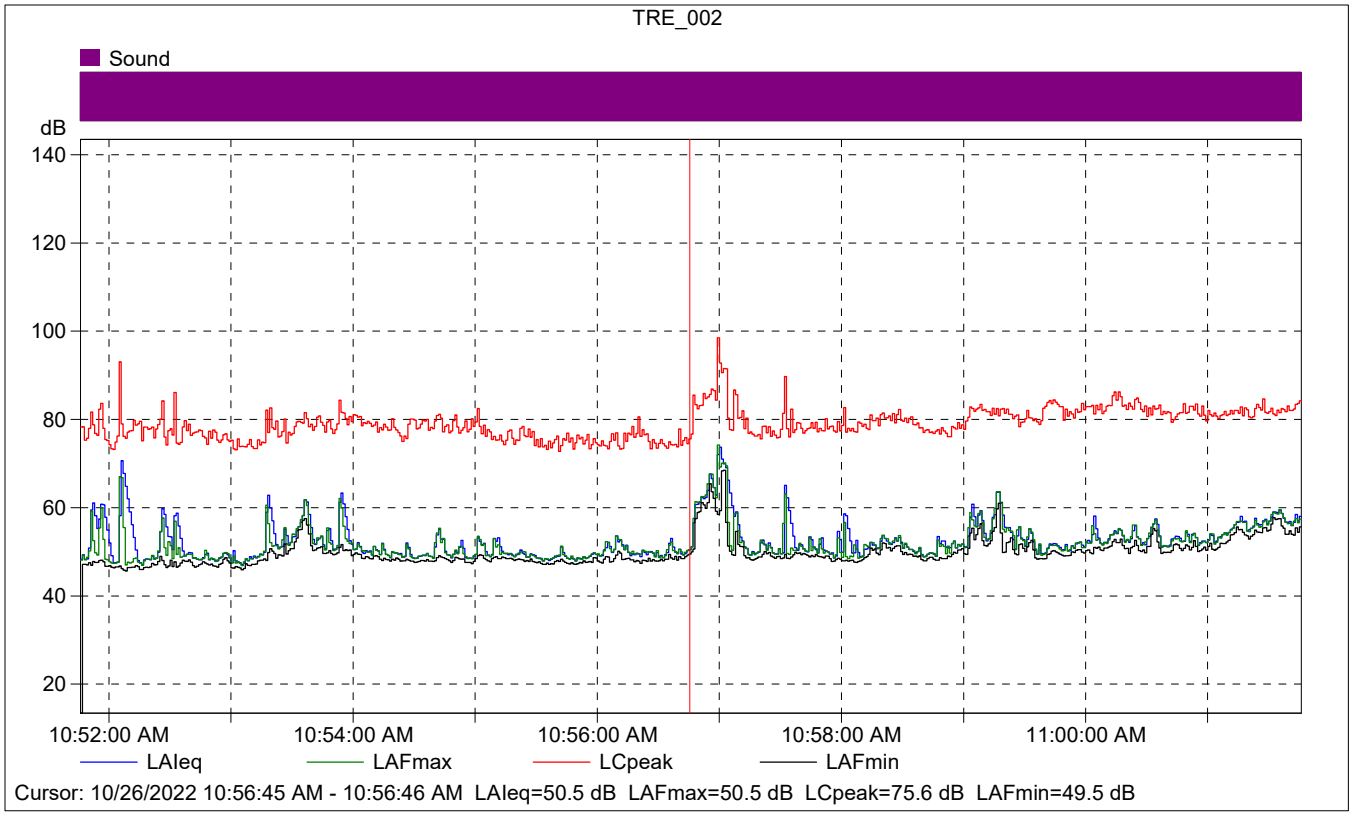
Calibration Time:		10/19/2022 07:11:45
Calibration Type:		External reference
Sensitivity:		43.3151684701443 mV/Pa

TRE_002

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	53.6	74.2	45.7
Time	10:51:46 AM	11:01:46 AM	0:10:00				
Date	10/26/2022	10/26/2022					

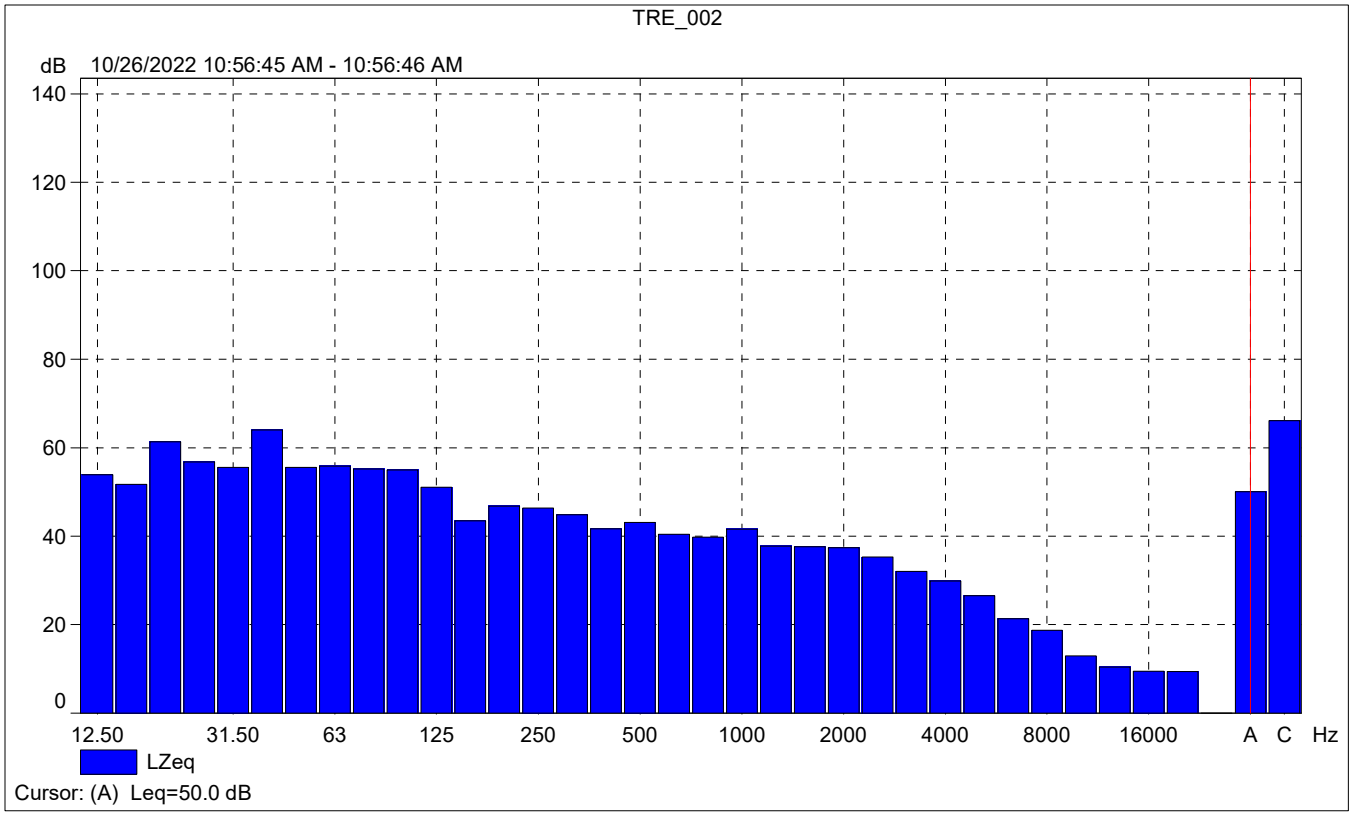

TRE_002
dB
10/26/2022 10:51:46 AM - 11:01:46 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=53.6 dB LFmax=74.2 dB LFmin=45.7 dB

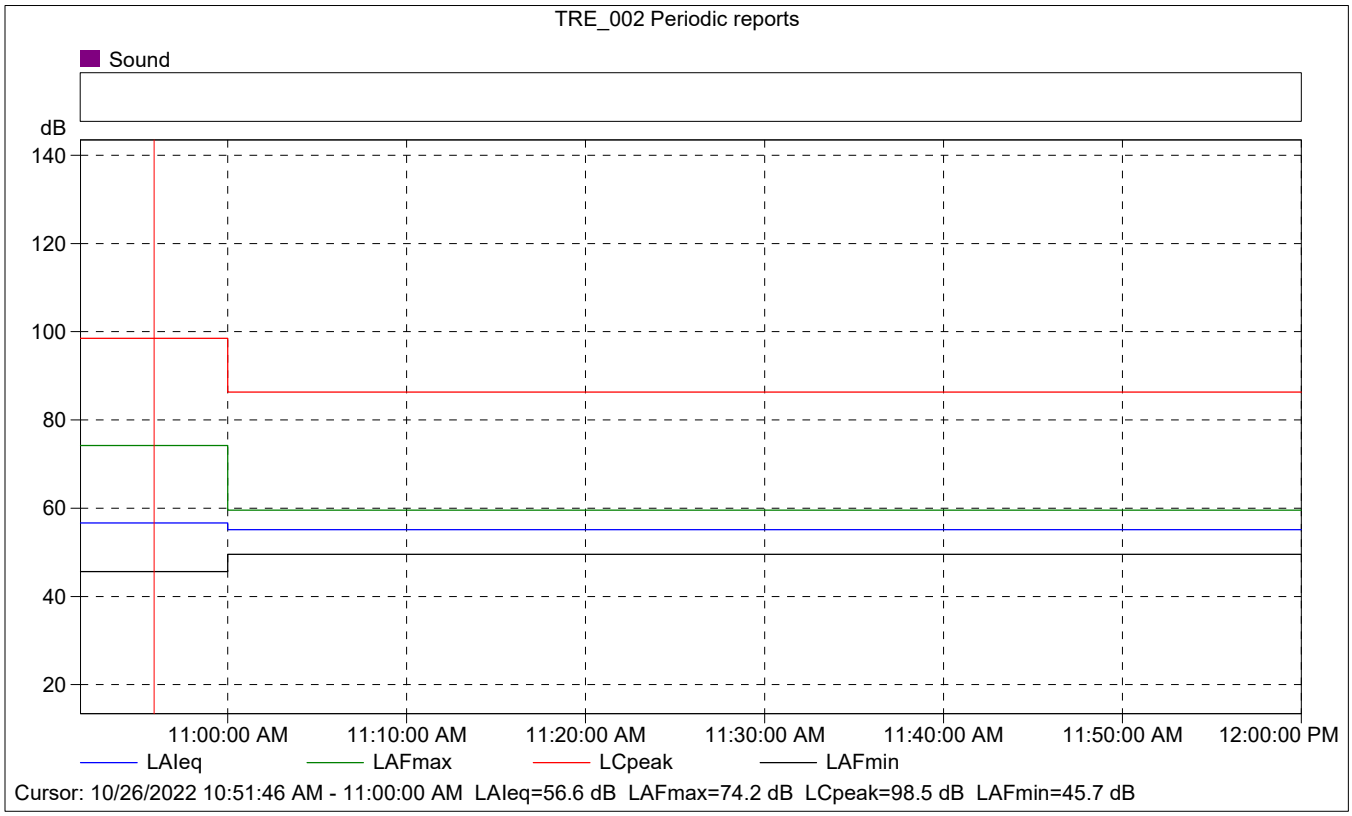

TRE_002
%
Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 10:51:46 AM - 11:01:46 AM
100
90
80
70
60
50
40
30
20
10
0
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 64.1 dB
L5 = 57.3 dB
L10 = 55.1 dB
L50 = 49.8 dB
L90 = 47.9 dB
L95 = 47.4 dB
L99 = 46.7 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%



TRE_002

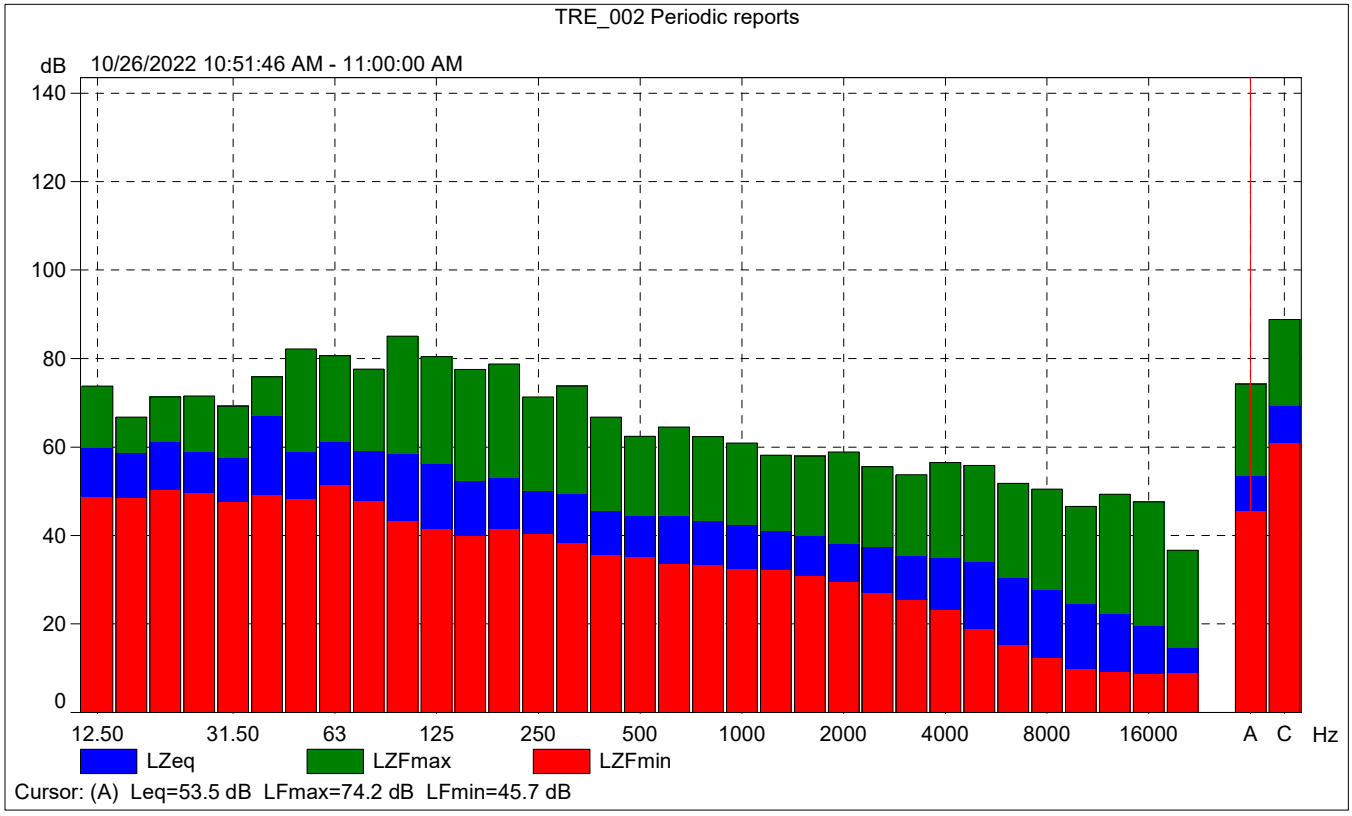
	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			50.5	50.5	49.5
Time	10:56:45 AM	0:00:01			
Date	10/26/2022				

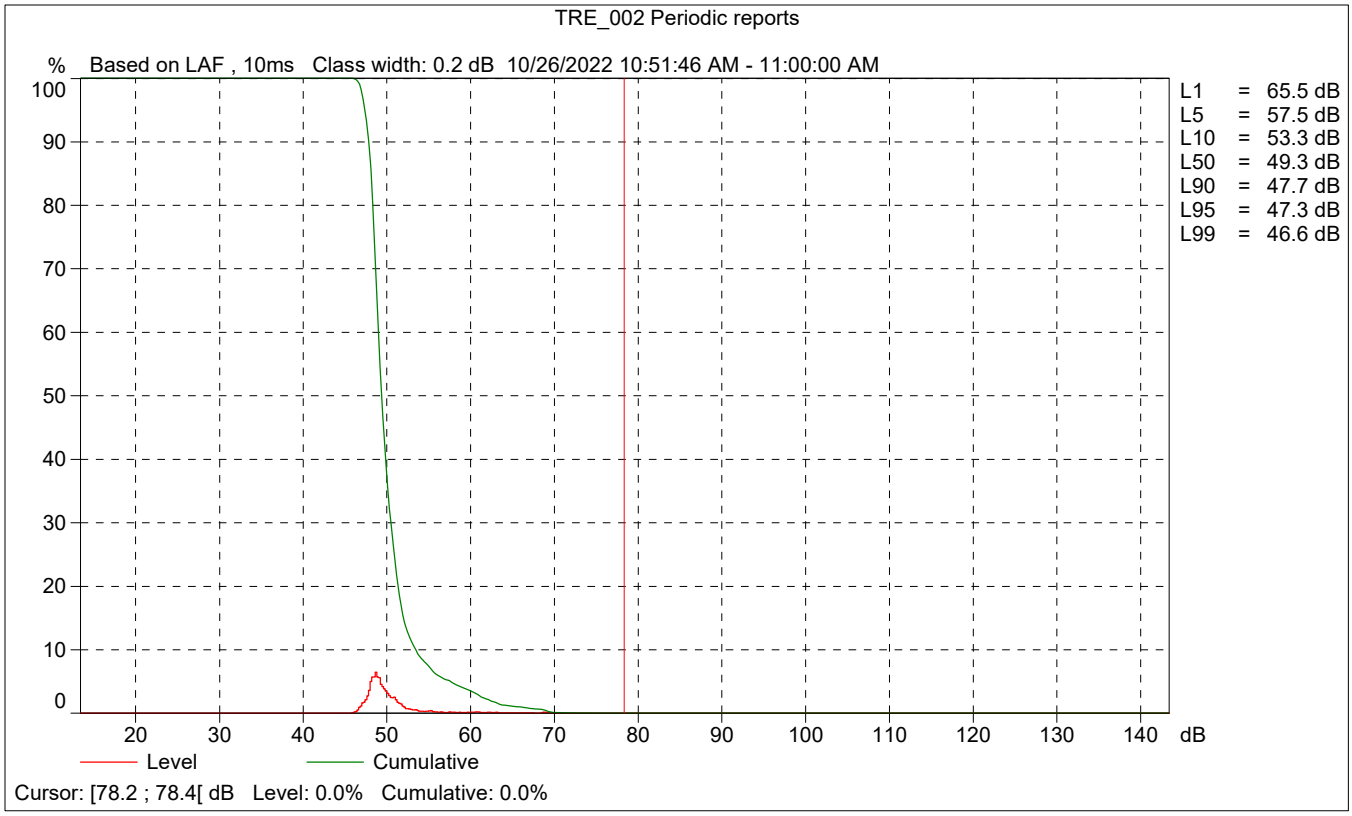

TRE_002
dB
10/26/2022 10:56:45 AM - 10:56:46 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
Cursor: (A) Leq=50.0 dB


TRE_002 Periodic reports
Sound
dB
140
120
100
80
60
40
20
11:00:00 AM
11:10:00 AM
11:20:00 AM
11:30:00 AM
11:40:00 AM
11:50:00 AM
12:00:00 PM
LAIeq
LAFmax
LCpeak
LAFmin
Cursor: 10/26/2022 10:51:46 AM - 11:00:00 AM LAIeq=56.6 dB LAFmax=74.2 dB LCpeak=98.5 dB LAFmin=45.7 dB

TRE_002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	56.6	74.2	45.7
Time	10:51:46 AM	0:08:14				
Date	10/26/2022					



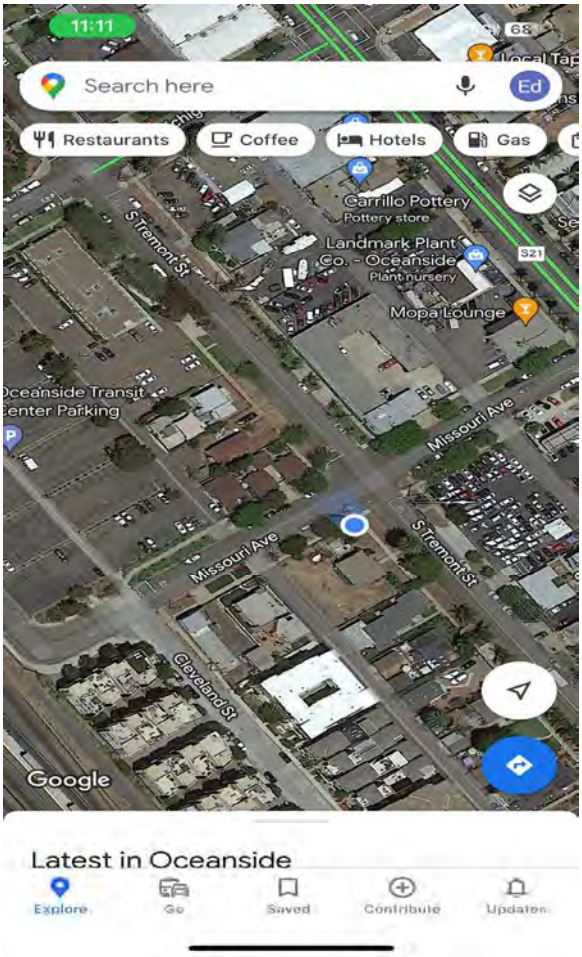

TRE_002 Periodic reports
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 10:51:46 AM - 11:00:00 AM
100
90
80
70
60
50
40
30
20
10
0
20 30 40 50 60 70 80 90 100 110 120 130 140 dB
L1 = 65.5 dB
L5 = 57.5 dB
L10 = 53.3 dB
L50 = 49.3 dB
L90 = 47.7 dB
L95 = 47.3 dB
L99 = 46.6 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

Site Number: NM-3				
Recorded By: Eddie Torres				
Job Number: 190739				
Date: 10/26/22				
Time: 11:10 am				
Location: Corner of Missouri Avenue and Tremont Street				
Source of Peak Noise: Traffic Noise				
Noise Data				
Leq (dB)	**Lmax(dB)**	**Lmin (dB)**	**Peak (dB)**	
55.2	73.4	38.8	94.3	

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 = 0.0		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	2.3 mph	71.2	49.6

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		10/26/2022 11:07:55
End Time:		10/26/2022 11:17:55
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

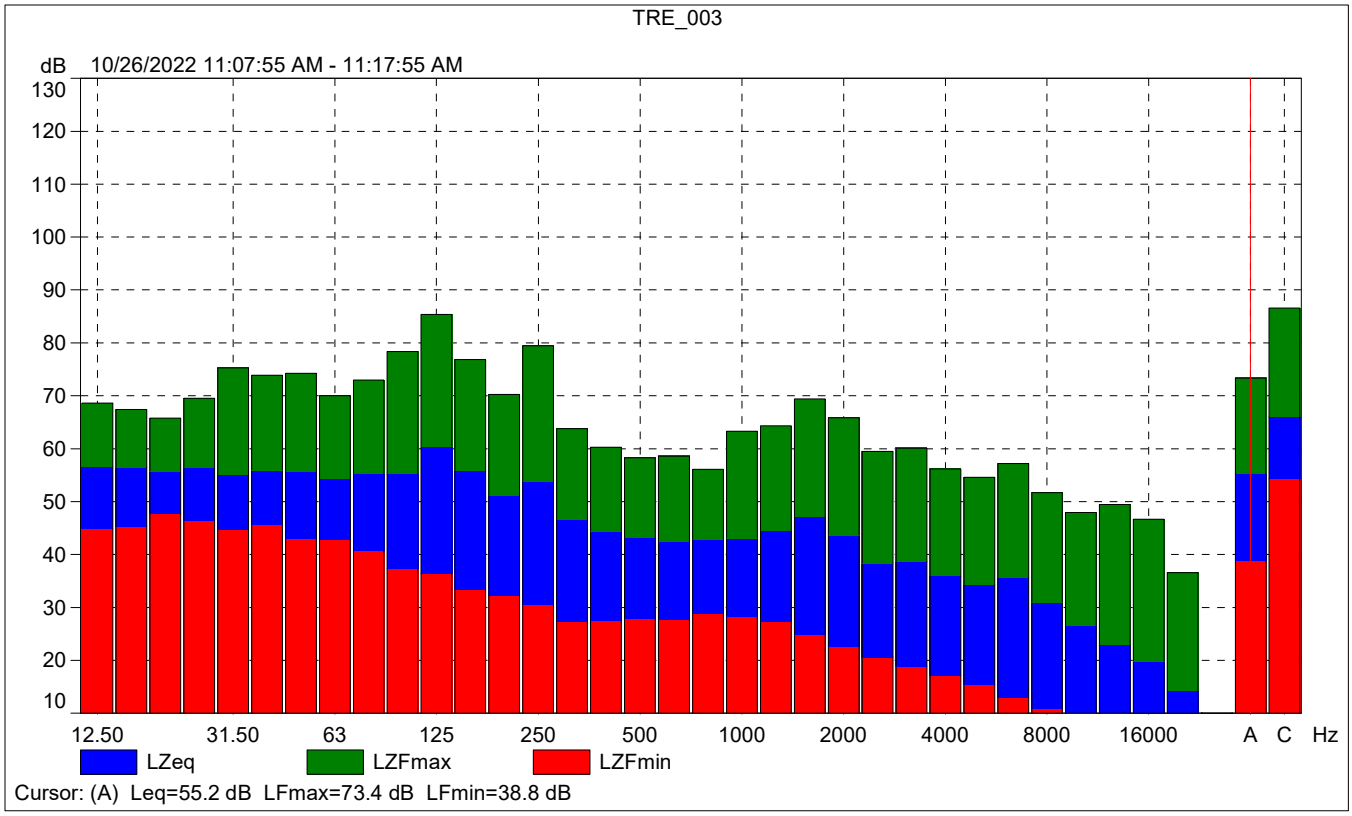
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

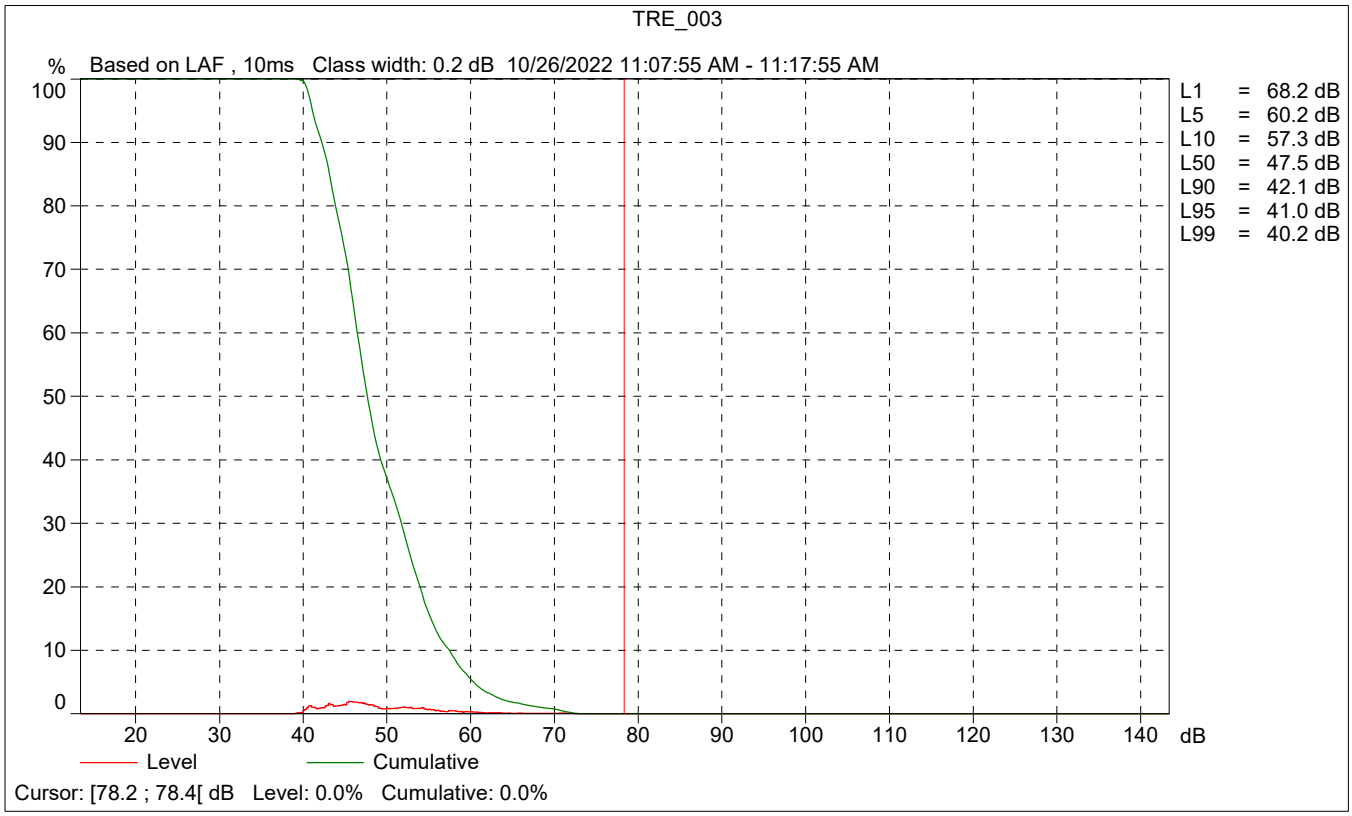
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

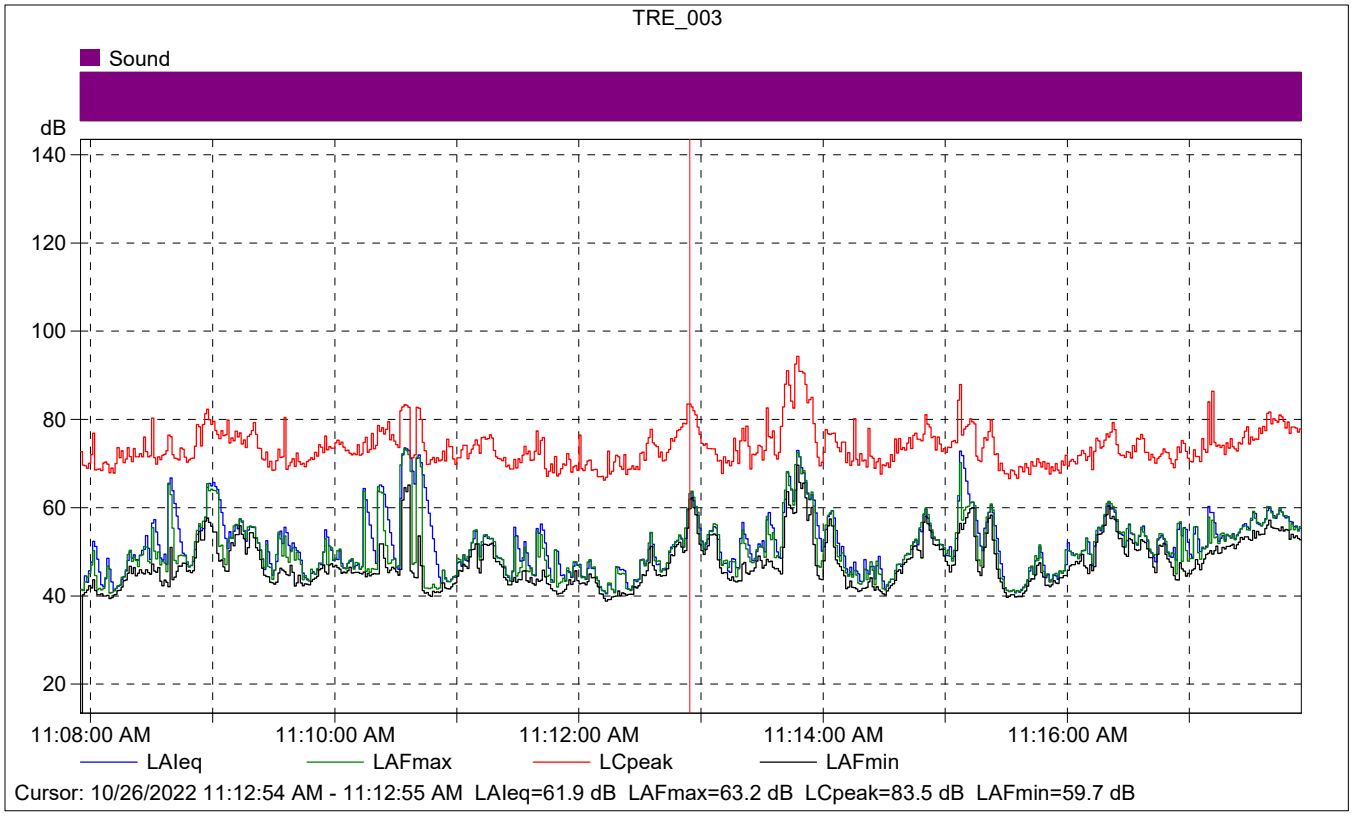
Calibration Time:		10/19/2022 07:11:45
Calibration Type:		External reference
Sensitivity:		43.3151684701443 mV/Pa

TRE_003

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	55.2	73.4	38.8
Time	11:07:55 AM	11:17:55 AM	0:10:00				
Date	10/26/2022	10/26/2022					

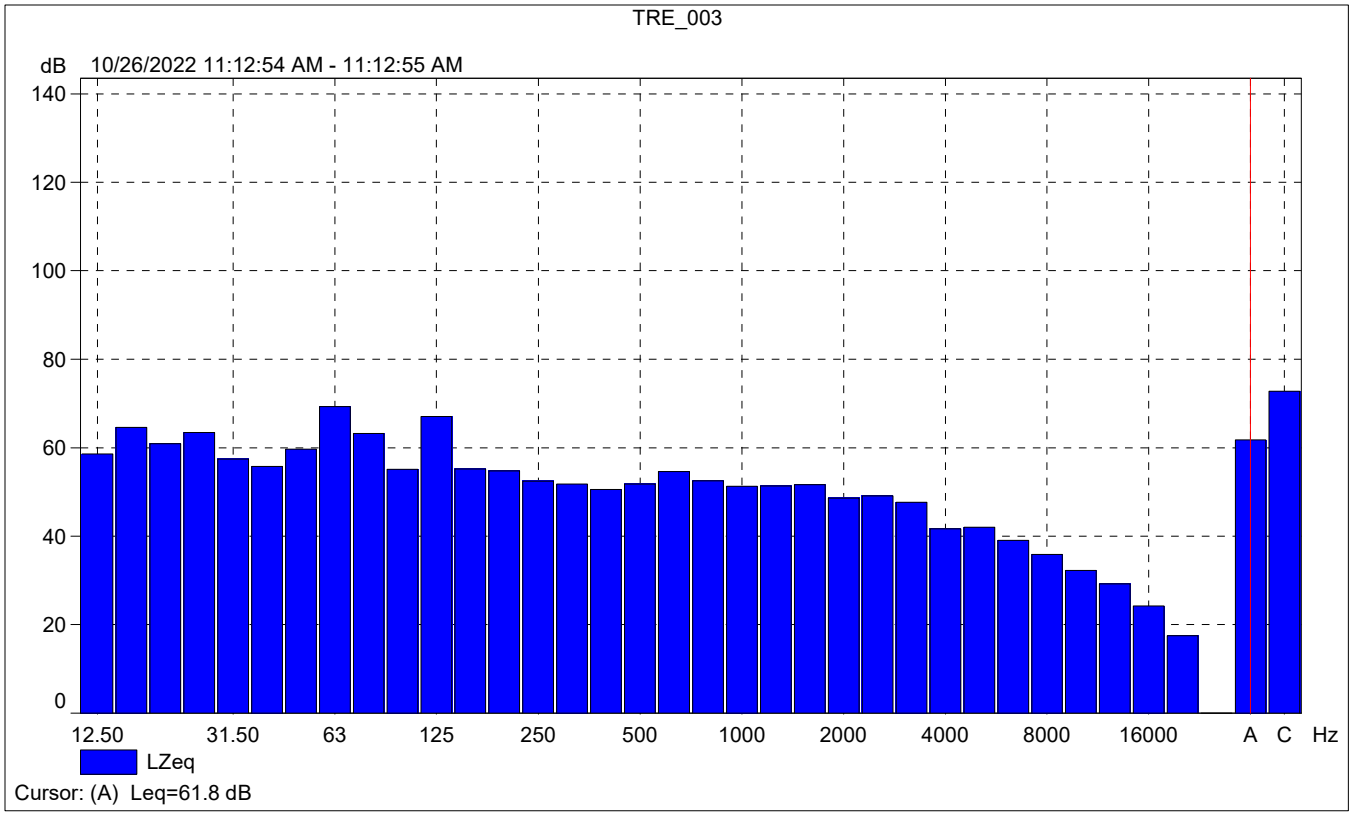

TRE_003
dB 10/26/2022 11:07:55 AM - 11:17:55 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=55.2 dB LFmax=73.4 dB LFmin=38.8 dB

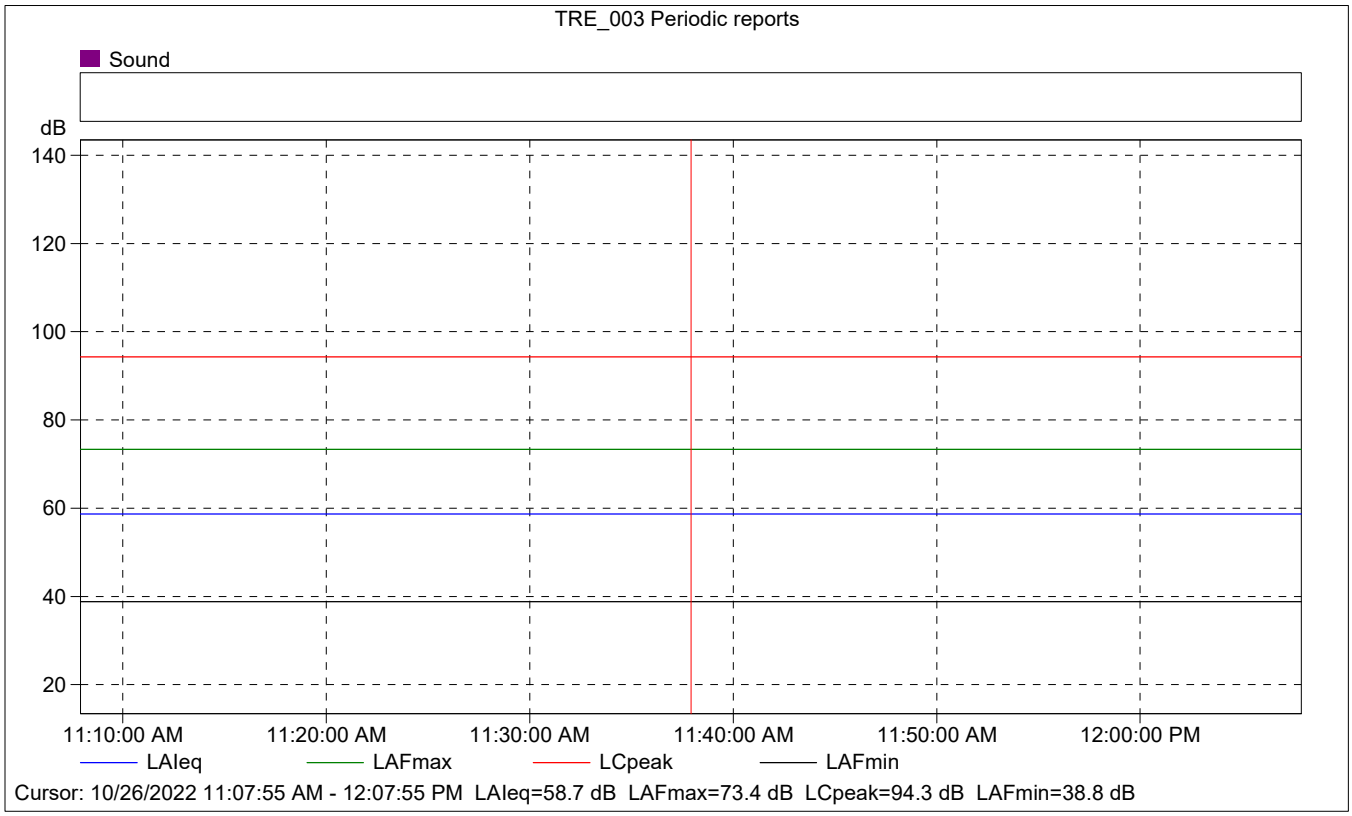

TRE_003
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 11:07:55 AM - 11:17:55 AM
100
90
80
70
60
50
40
30
20
10
0
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 68.2 dB
L5 = 60.2 dB
L10 = 57.3 dB
L50 = 47.5 dB
L90 = 42.1 dB
L95 = 41.0 dB
L99 = 40.2 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%



TRE_003

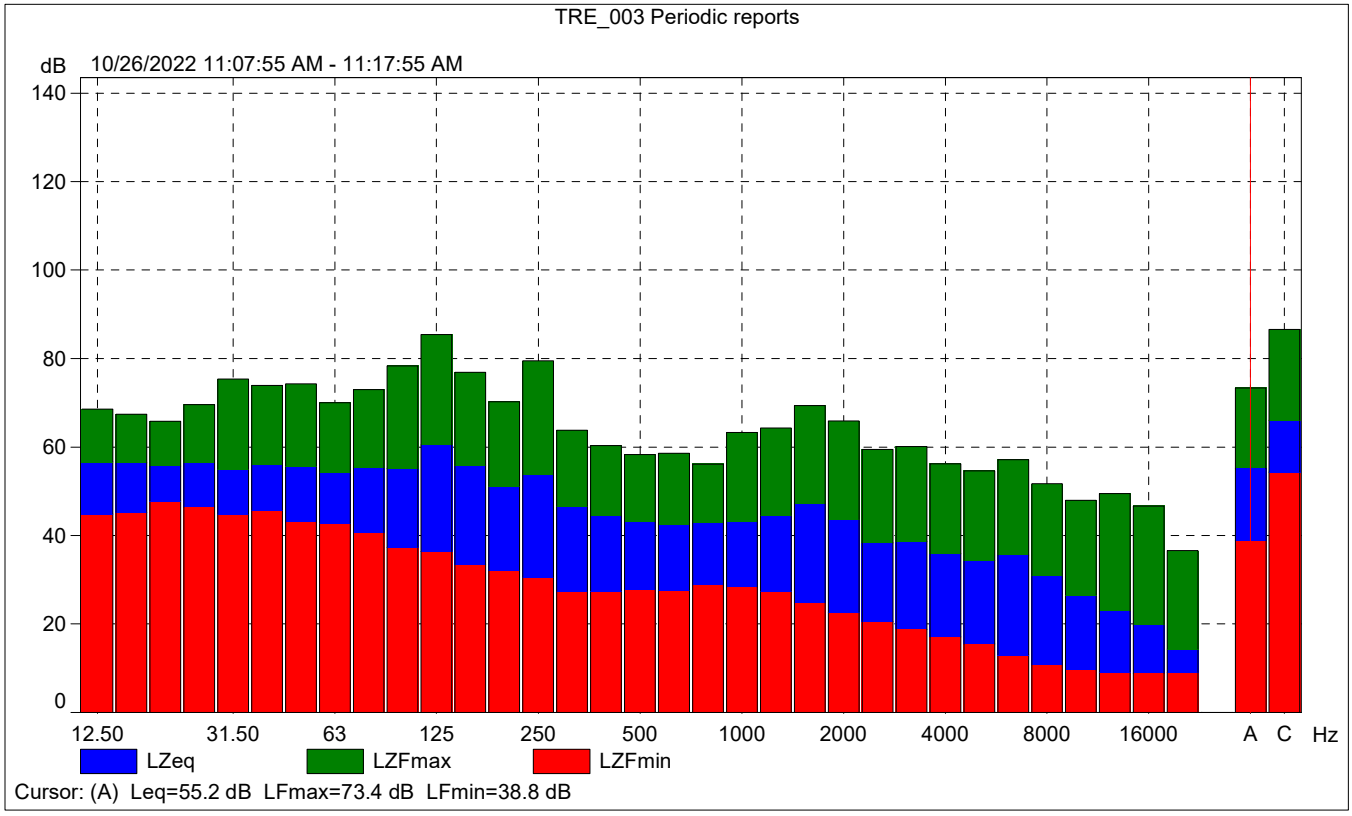
	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			61.9	63.2	59.7
Time	11:12:54 AM	0:00:01			
Date	10/26/2022				

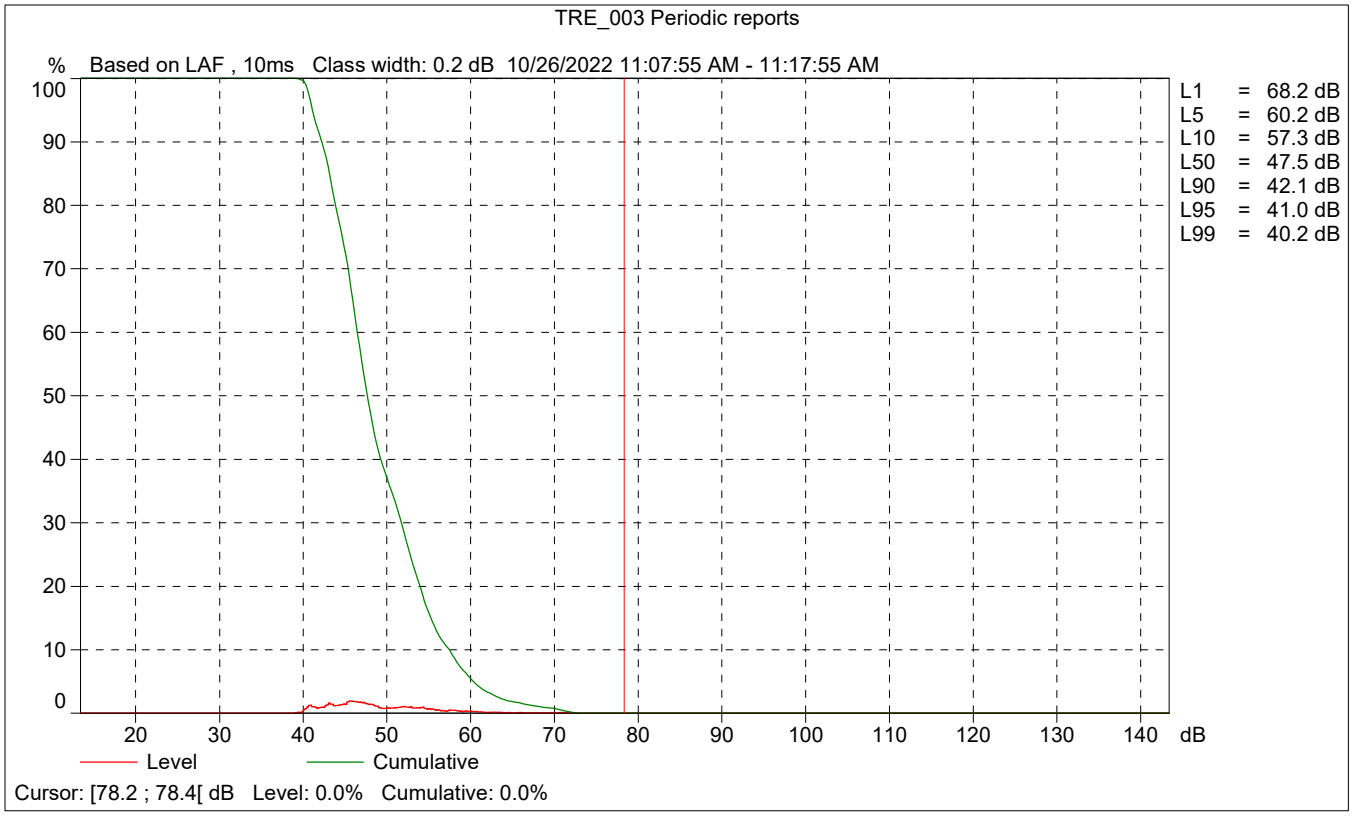

TRE_003
dB
10/26/2022 11:12:54 AM - 11:12:55 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
Cursor: (A) Leq=61.8 dB


TRE_003 Periodic reports
Sound
dB
140
120
100
80
60
40
20
11:10:00 AM
11:20:00 AM
11:30:00 AM
11:40:00 AM
11:50:00 AM
12:00:00 PM
LAIeq
LAFmax
LCpeak
LAFmin
Cursor: 10/26/2022 11:07:55 AM - 12:07:55 PM LAIeq=58.7 dB LAFmax=73.4 dB LCpeak=94.3 dB LAFmin=38.8 dB

TRE_003 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	58.7	73.4	38.8
Time	11:07:55 AM	0:10:00				
Date	10/26/2022					




TRE_003 Periodic reports
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 11:07:55 AM - 11:17:55 AM
100
90
80
70
60
50
40
30
20
10
0
20 30 40 50 60 70 80 90 100 110 120 130 140 dB
Level
Cumulative
L1 = 68.2 dB
L5 = 60.2 dB
L10 = 57.3 dB
L50 = 47.5 dB
L90 = 42.1 dB
L95 = 41.0 dB
L99 = 40.2 dB
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

Site Number: NM-4				
Recorded By: Eddie Torres				
Job Number: 190739				
Date: 10/26/22				
Time: 11:30 am				
Location: Dead end of Tyson Street				
Source of Peak Noise:				
Noise Data				
Leq (dB)	**Lmax(dB)**	**Lmin (dB)**	**Peak (dB)**	
51.7	69.6	42.4	88.4	

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 = 0.0		**Sensor Height (ft):** 5 ft
	Wind Ave Speed (mph / m/s)	**Temperature (degrees Fahrenheit)**	**Barometer Pressure (inches)**
	2.3 mph	72.3	49.8

Photo of Measurement Location

2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		10/26/2022 11:30:20
End Time:		10/26/2022 11:40:20
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

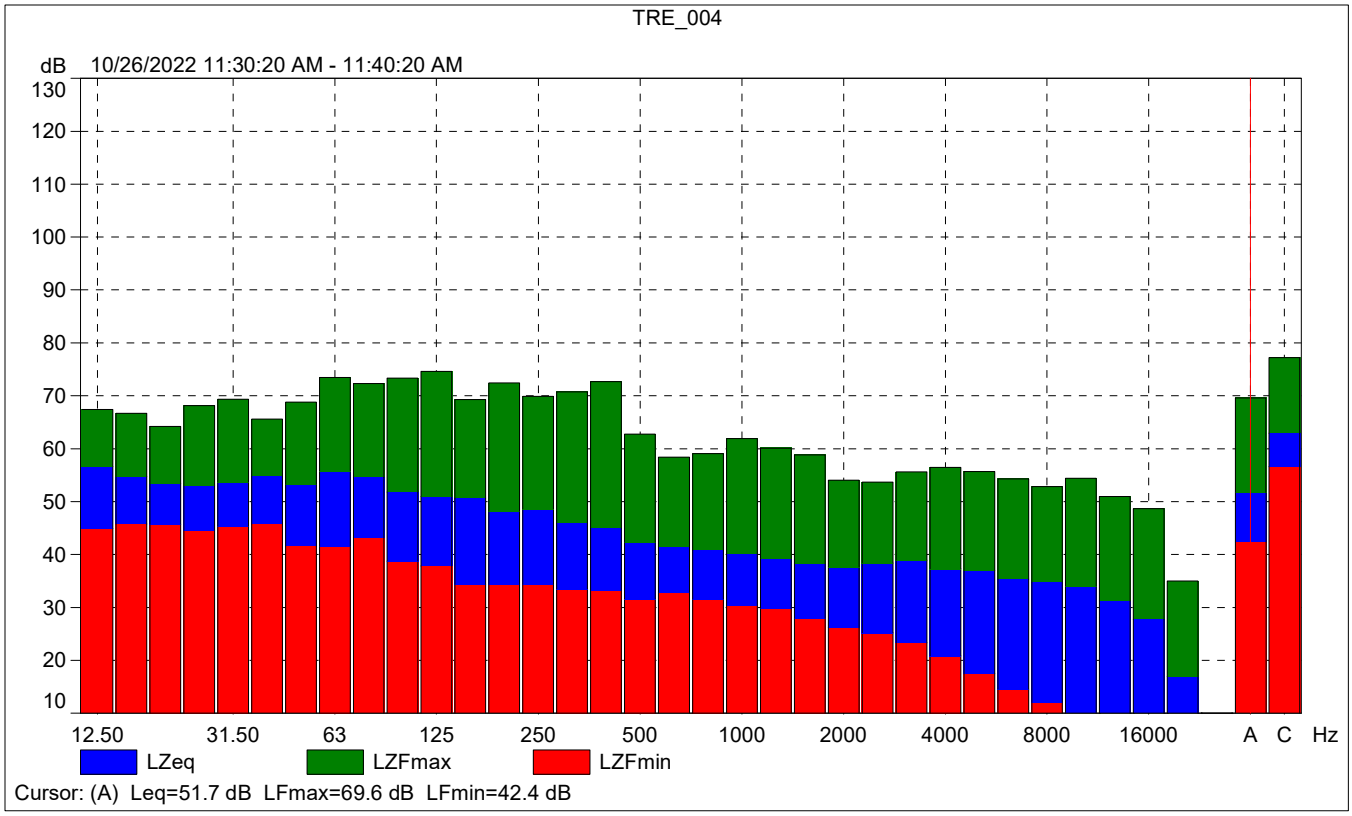
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

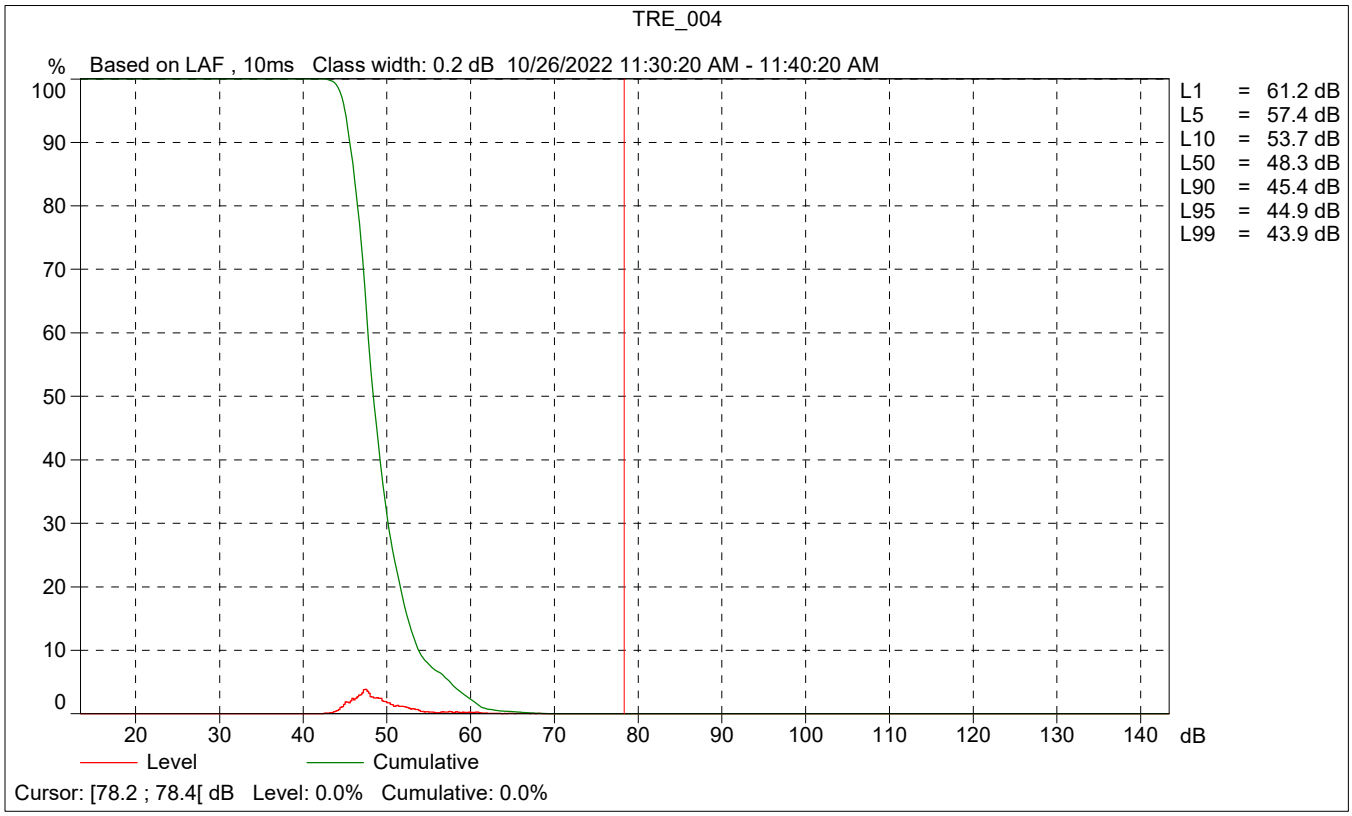
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

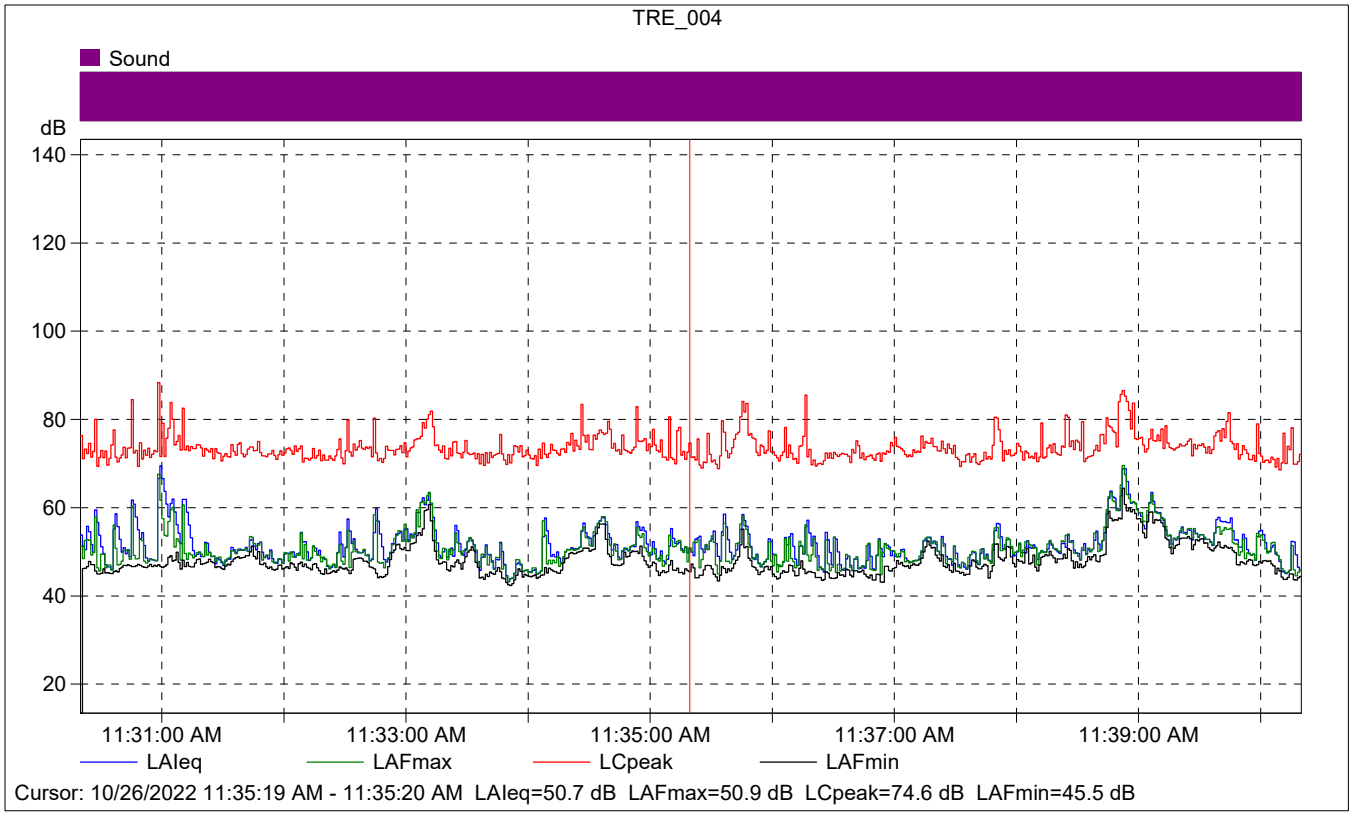
Calibration Time:		10/19/2022 07:11:45
Calibration Type:		External reference
Sensitivity:		43.3151684701443 mV/Pa

TRE_004

	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	51.7	69.6	42.4
Time	11:30:20 AM	11:40:20 AM	0:10:00				
Date	10/26/2022	10/26/2022					

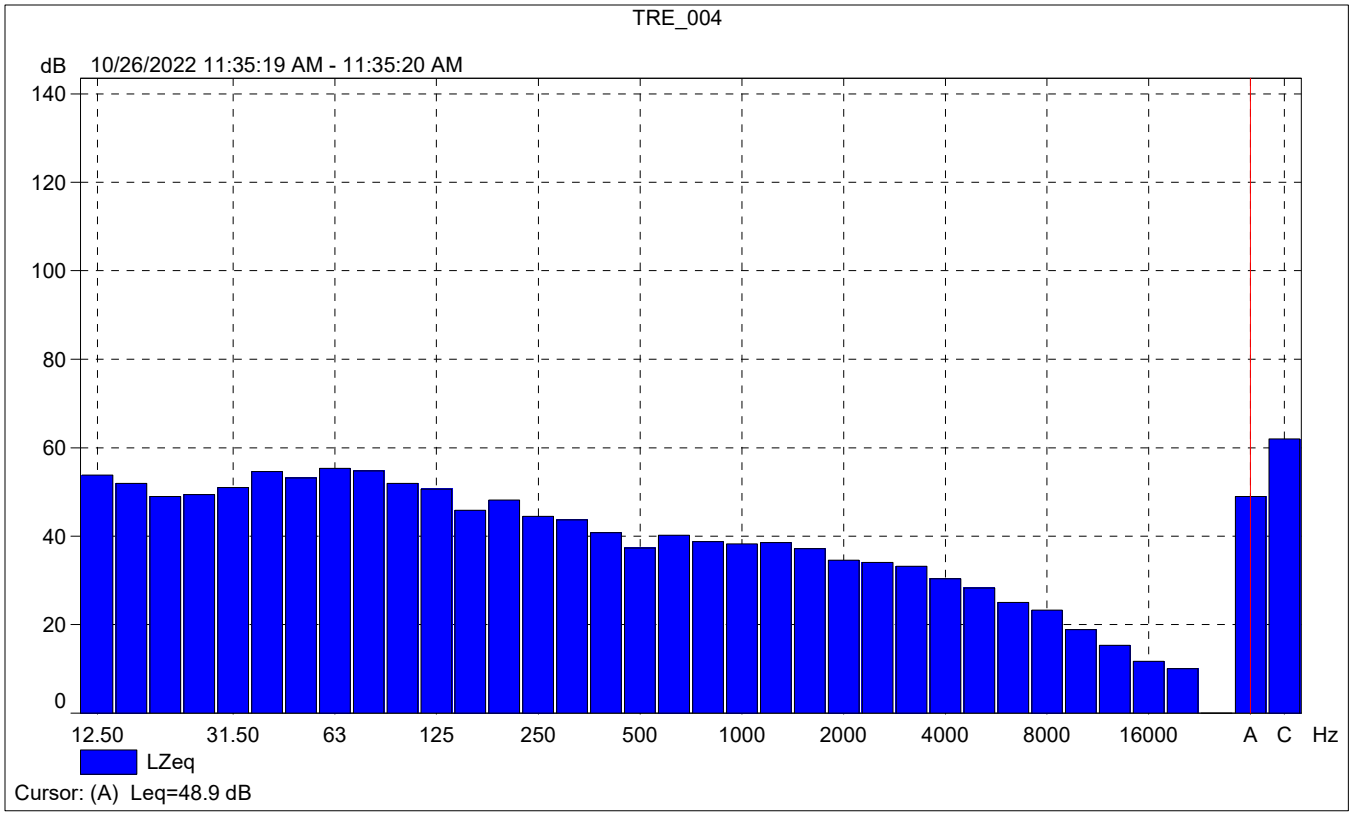

TRE_004
dB 10/26/2022 11:30:20 AM - 11:40:20 AM
130
120
110
100
90
80
70
60
50
40
30
20
10
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
LZFmax
LZFmin
Cursor: (A) Leq=51.7 dB LFmax=69.6 dB LFmin=42.4 dB

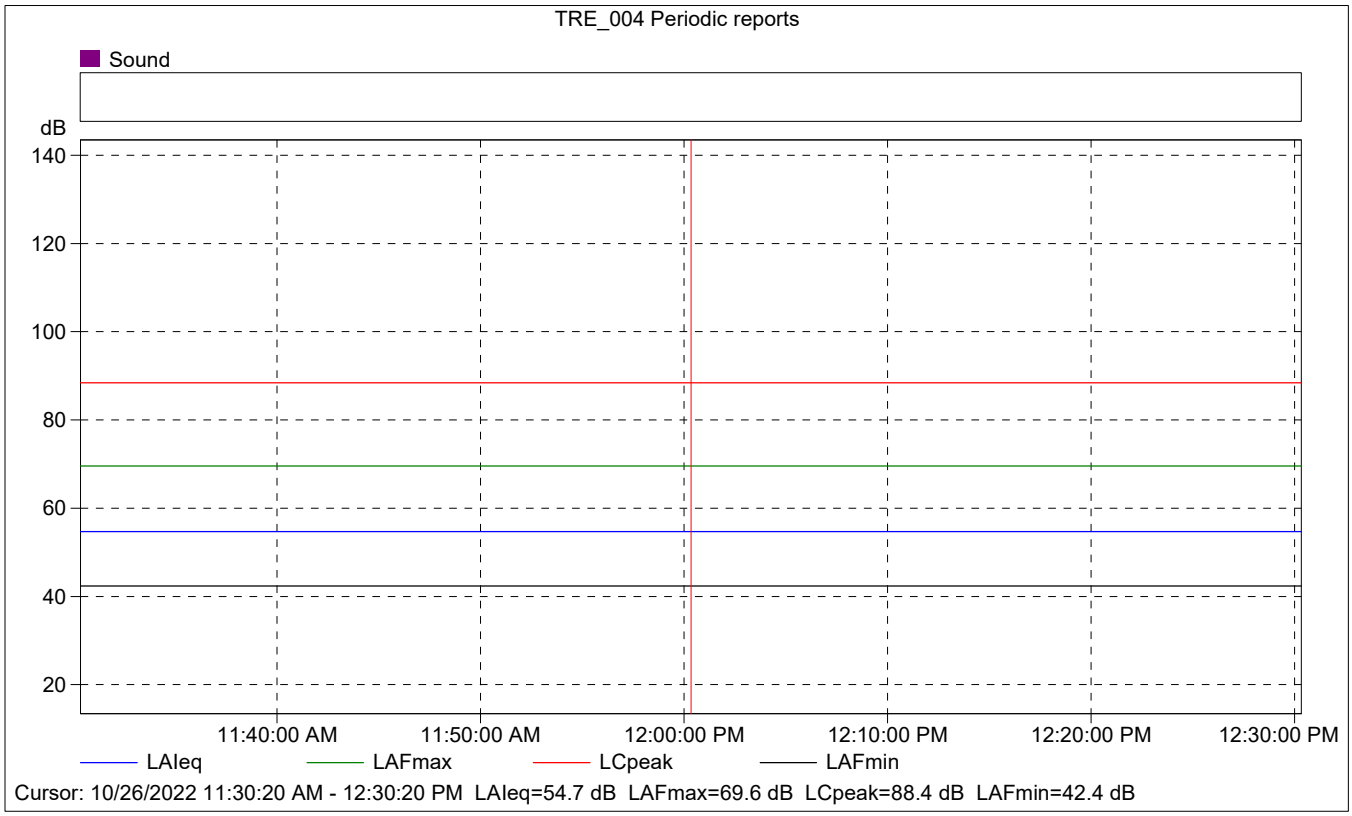

TRE_004
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 11:30:20 AM - 11:40:20 AM
100
90
80
70
60
50
40
30
20
10
0
20
30
40
50
60
70
80
90
100
110
120
130
140
dB
L1 = 61.2 dB
L5 = 57.4 dB
L10 = 53.7 dB
L50 = 48.3 dB
L90 = 45.4 dB
L95 = 44.9 dB
L99 = 43.9 dB
Level
Cumulative
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%



TRE_004

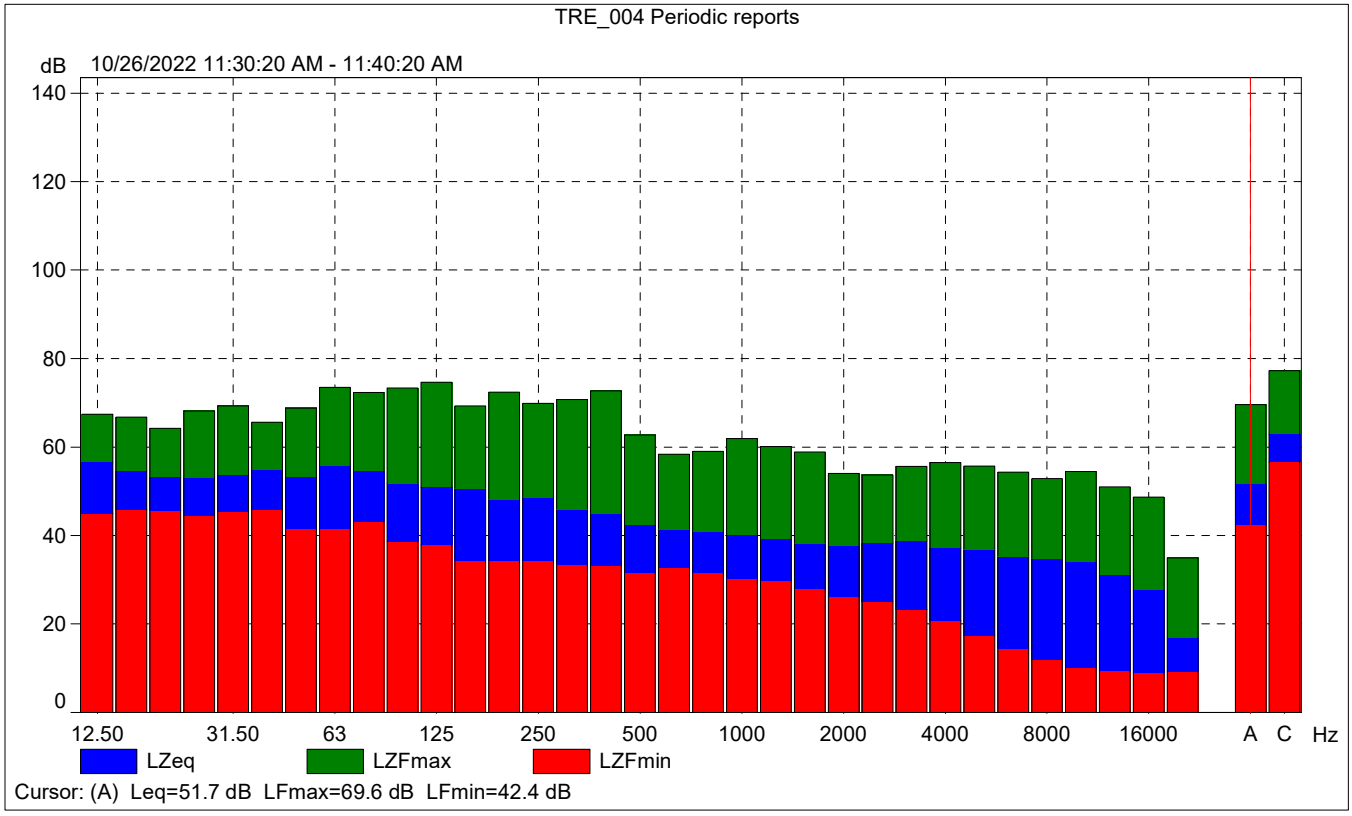
	Start time	Elapsed time	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			50.7	50.9	45.5
Time	11:35:19 AM	0:00:01			
Date	10/26/2022				

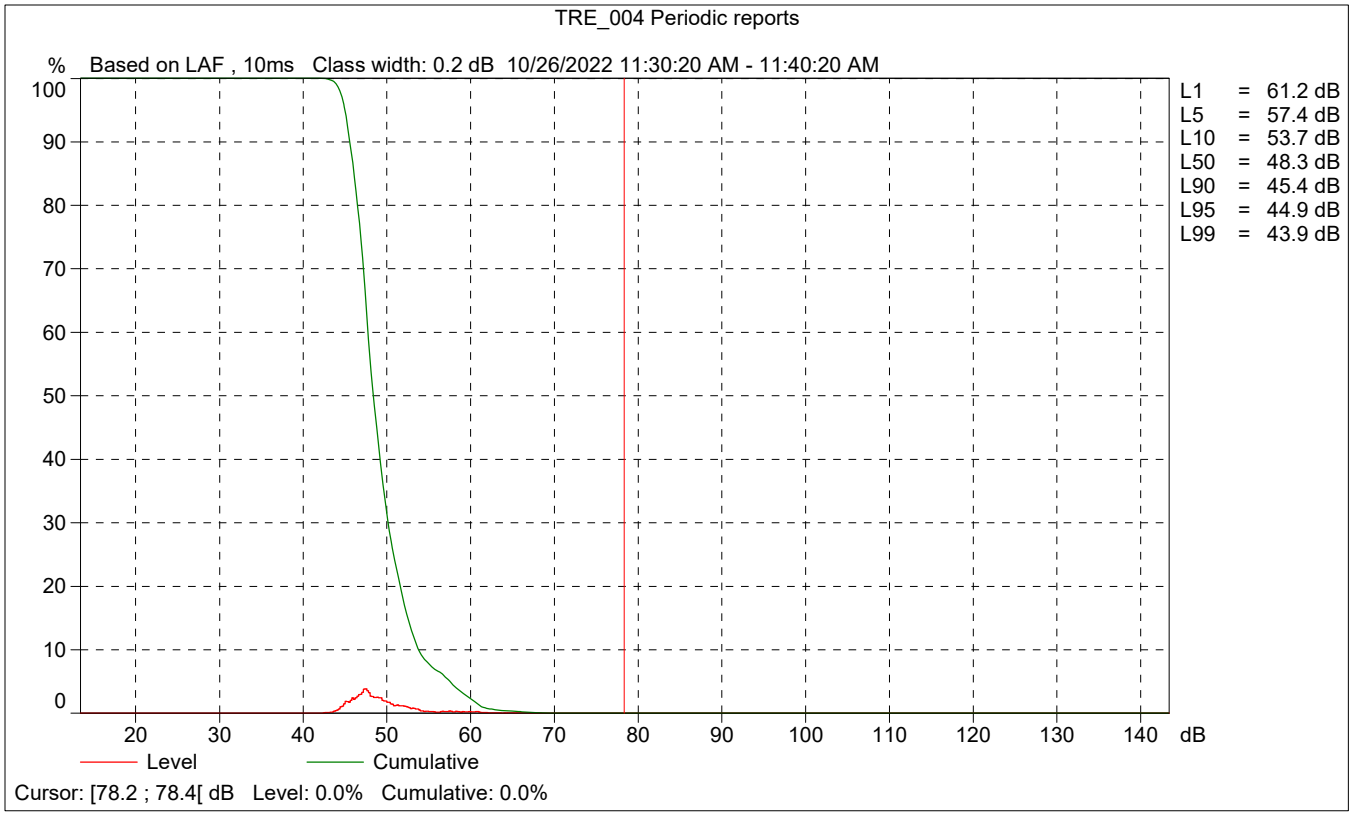

TRE_004
dB
10/26/2022 11:35:19 AM - 11:35:20 AM
140
120
100
80
60
40
20
0
12.50
31.50
63
125
250
500
1000
2000
4000
8000
16000
A
C
Hz
LZeq
Cursor: (A) Leq=48.9 dB


TRE_004 Periodic reports
Sound
dB
140
120
100
80
60
40
20
11:40:00 AM
11:50:00 AM
12:00:00 PM
12:10:00 PM
12:20:00 PM
12:30:00 PM
LAIeq
LAFmax
LCpeak
LAFmin
Cursor: 10/26/2022 11:30:20 AM - 12:30:20 PM LAIeq=54.7 dB LAFmax=69.6 dB LCpeak=88.4 dB LAFmin=42.4 dB

TRE_004 Periodic reports

	Start time	Elapsed time	Overload [%]	LAIeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	54.7	69.6	42.4
Time	11:30:20 AM	0:10:00				
Date	10/26/2022					




TRE_004 Periodic reports
% Based on LAF , 10ms Class width: 0.2 dB 10/26/2022 11:30:20 AM - 11:40:20 AM
100
90
80
70
60
50
40
30
20
10
0
20 30 40 50 60 70 80 90 100 110 120 130 140 dB
Level
Cumulative
L1 = 61.2 dB
L5 = 57.4 dB
L10 = 53.7 dB
L50 = 48.3 dB
L90 = 45.4 dB
L95 = 44.9 dB
L99 = 43.9 dB
Cursor: [78.2 ; 78.4[dB Level: 0.0% Cumulative: 0.0%

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 190739
Project Name: Tremont
Scenario: Existing

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Source of Traffic Volumes: Stantec
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				Design		Vehicle Mix		Distance from Centerline of Roadway					
		Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour				Calc
Roadway, Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	Dist
Clementine Street Between Pier View and Mission Avenue	2	0	400	25	0.5	1.8%	0.7%	42.4	-	-	-	-	100
Nevada Street Between Pier View and Mission Avenue	2	0	500	25	0.5	1.8%	0.7%	43.3	-	-	-	-	100
Mission Avenue Between Horne Street and Clementine Street	4	10	11,300	25	0.5	1.8%	0.7%	57.1	-	-	64	137	100
Mission Avenue Between Freeman Street and Coast Highway	2	0	5,600	25	0.5	1.8%	0.7%	53.8	-	-	39	84	100
Seagaze Drive Between Freeman Street and Coast Highway	2	0	3,600	25	0.5	1.8%	0.7%	51.9	-	-	-	62	100
Seagaze Drive Between Tremont Street and Cleveland Street	2	0	3,600	25	0.5	1.8%	0.7%	51.9	-	-	-	62	100
Coast Highway Between Topeka Street and Michigan Avenue	4	0	14,800	25	0.5	1.8%	0.7%	58.2	-	-	75	162	100
Tremont Street Between Seagaze Drive and Topeka Street	2	0	1,500	25	0.5	1.8%	0.7%	48.1	-	-	-	35	100
Tremont Street Between Michigan Avenue and Missouri Avenue	2	0	1,000	25	0.5	1.8%	0.7%	46.4	-	-	-	-	100
Topeka Street Between Tremont Street and Coast Highway	2	0	1,000	25	0.5	1.8%	0.7%	46.4	-	-	-	-	100
Michigan Avenue Between Tremont Street and Coast Highway	2	0	1,900	25	0.5	1.8%	0.7%	49.1	-	-	-	41	100
Missouri Avenue Between Tremont Street and Coast Highway	2	0	900	25	0.5	1.8%	0.7%	45.9	-	-	-	-	100
Cleveland Avenue Between Missouri Avenue and Washington Avenue	2	0	200	25	0.5	1.8%	0.7%	39.4	-	-	-	-	100
Seagaze Drive Between Coast Highway and Tremont Street	2	0	3,600	25	0.5	1.8%	0.7%	51.9	-	-	-	62	100

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

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 190739
Project Name: Tremont
Scenario: Existing + Tremont Site

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Source of Traffic Volumes: Stantec
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				Design		Vehicle Mix			Distance from Centerline of Roadway				
		Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour				Calc
Roadway, Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	Dist
Clementine Street Between Pier View and Mission Avenue	2	0	400	25	0.5	1.8%	0.7%	42.4	-	-	-	-	100
Nevada Street Between Pier View and Mission Avenue	2	0	500	25	0.5	1.8%	0.7%	43.3	-	-	-	-	100
Mission Avenue Between Horne Street and Clementine Street	4	10	12,500	25	0.5	1.8%	0.7%	57.5	-	-	68	147	100
Mission Avenue Between Freeman Street and Coast Highway	2	0	6,260	25	0.5	1.8%	0.7%	54.3	-	-	42	90	100
Seagaze Drive Between Freeman Street and Coast Highway	2	0	4,260	25	0.5	1.8%	0.7%	52.7	-	-	32	70	100
Seagaze Drive Between Tremont Street and Cleveland Street	2	0	4,920	25	0.5	1.8%	0.7%	53.3	-	-	36	77	100
Coast Highway Between Topeka Street and Michigan Avenue	4	0	16,460	25	0.5	1.8%	0.7%	58.6	-	-	81	174	100
Tremont Street Between Seagaze Drive and Topeka Street	2	0	2,490	25	0.5	1.8%	0.7%	50.3	-	-	-	49	100
Tremont Street Between Michigan Avenue and Missouri Avenue	2	0	2,080	25	0.5	1.8%	0.7%	49.5	-	-	-	43	100
Topeka Street Between Tremont Street and Coast Highway	2	0	1,480	25	0.5	1.8%	0.7%	48.1	-	-	-	34	100
Michigan Avenue Between Tremont Street and Coast Highway	2	0	3,190	25	0.5	1.8%	0.7%	51.4	-	-	-	57	100
Missouri Avenue Between Tremont Street and Coast Highway	2	0	1,350	25	0.5	1.8%	0.7%	47.7	-	-	-	32	100
Cleveland Avenue Between Missouri Avenue and Washington Avenue	2	0	200	25	0.5	1.8%	0.7%	39.4	-	-	-	-	100
Seagaze Drive Between Coast Highway and Tremont Street	2	0	5,740	25	0.5	1.8%	0.7%	53.9	-	-	39	85	100

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

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 190739
Project Name: Tremont
Scenario: 2050 GP without Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Source of Traffic Volumes: Stantec
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				Design		Vehicle Mix			Distance from Centerline of Roadway				
		Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour				Calc
Roadway, Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	Dist
Clementine Street Between Pier View and Mission Avenue	2	0	750	25	0.5	1.8%	0.7%	45.1	-	-	-	-	100
Nevada Street Between Pier View and Mission Avenue	2	0	760	25	0.5	1.8%	0.7%	45.2	-	-	-	-	100
Mission Avenue Between Horne Street and Clementine Street	4	10	11,700	25	0.5	1.8%	0.7%	57.2	-	-	65	140	100
Mission Avenue Between Freeman Street and Coast Highway	2	0	6,440	25	0.5	1.8%	0.7%	54.4	-	-	43	92	100
Seagaze Drive Between Freeman Street and Coast Highway	2	0	4,330	25	0.5	1.8%	0.7%	52.7	-	-	33	70	100
Seagaze Drive Between Tremont Street and Cleveland Street	2	0	4,600	25	0.5	1.8%	0.7%	53.0	-	-	34	73	100
Coast Highway Between Topeka Street and Michigan Avenue	4	0	17,650	25	0.5	1.8%	0.7%	58.9	-	-	85	183	100
Tremont Street Between Seagaze Drive and Topeka Street	2	0	1,800	25	0.5	1.8%	0.7%	48.9	-	-	-	39	100
Tremont Street Between Michigan Avenue and Missouri Avenue	2	0	1,200	25	0.5	1.8%	0.7%	47.1	-	-	-	-	100
Topeka Street Between Tremont Street and Coast Highway	2	0	1,210	25	0.5	1.8%	0.7%	47.2	-	-	-	-	100
Michigan Avenue Between Tremont Street and Coast Highway	2	0	2,310	25	0.5	1.8%	0.7%	50.0	-	-	-	46	100
Missouri Avenue Between Tremont Street and Coast Highway	2	0	1,100	25	0.5	1.8%	0.7%	46.8	-	-	-	-	100
Cleveland Avenue Between Missouri Avenue and Washington Avenue	2	0	200	25	0.5	1.8%	0.7%	39.4	-	-	-	-	100
Seagaze Drive Between Coast Highway and Tremont Street	2	0	5,000	25	0.5	1.8%	0.7%	53.3	-	-	36	78	100

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

TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 190739
Project Name: Tremont
Scenario: 2050 GP with Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Source of Traffic Volumes: Stantec
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				Design		Vehicle Mix		Distance from Centerline of Roadway					
		Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour				Calc
Roadway, Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL	Dist
Clementine Street Between Pier View and Mission Avenue	2	0	750	25	0.5	1.8%	0.7%	45.1	-	-	-	-	100
Nevada Street Between Pier View and Mission Avenue	2	0	760	25	0.5	1.8%	0.7%	45.2	-	-	-	-	100
Mission Avenue Between Horne Street and Clementine Street	4	10	12,900	25	0.5	1.8%	0.7%	57.6	-	-	69	150	100
Mission Avenue Between Freeman Street and Coast Highway	2	0	7,100	25	0.5	1.8%	0.7%	54.9	-	-	45	98	100
Seagaze Drive Between Freeman Street and Coast Highway	2	0	7,990	25	0.5	1.8%	0.7%	55.4	-	-	49	106	100
Seagaze Drive Between Tremont Street and Cleveland Street	2	0	5,920	25	0.5	1.8%	0.7%	54.1	-	-	40	87	100
Coast Highway Between Topeka Street and Michigan Avenue	4	0	19,310	25	0.5	1.8%	0.7%	59.3	-	-	90	194	100
Tremont Street Between Seagaze Drive and Topeka Street	2	0	2,790	25	0.5	1.8%	0.7%	50.8	-	-	-	53	100
Tremont Street Between Michigan Avenue and Missouri Avenue	2	0	2,280	25	0.5	1.8%	0.7%	49.9	-	-	-	46	100
Topeka Street Between Tremont Street and Coast Highway	2	0	1,690	25	0.5	1.8%	0.7%	48.6	-	-	-	38	100
Michigan Avenue Between Tremont Street and Coast Highway	2	0	3,600	25	0.5	1.8%	0.7%	51.9	-	-	-	62	100
Missouri Avenue Between Tremont Street and Coast Highway	2	0	1,550	25	0.5	1.8%	0.7%	48.3	-	-	-	36	100
Cleveland Avenue Between Missouri Avenue and Washington Avenue	2	0	200	25	0.5	1.8%	0.7%	39.4	-	-	-	-	100
Seagaze Drive Between Coast Highway and Tremont Street	2	0	7,140	25	0.5	1.8%	0.7%	54.9	-	-	46	98	100

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