

Appendix E:

Noise Data

Site Number: No.1			
Recorded By: Winnie Woo, Tina Yuan			
Job Number: 187412			
Date: 1/21/2022			
Time: 8:21 a.m.			
Location: The alley entrance between Franklin Elementary School and 2316 23rd Street			
Source of Peak Noise: Traffic along Montana Avenue			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
66.1	86.1	46.7	103.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	09/09/2021	
	Microphone	Brüel & Kjær	4189	3086765	09/09/2021	
	Preamp	Brüel & Kjær	ZC 0032	25380	09/09/2021	
	Calibrator	Brüel & Kjær	4231	2545667	09/09/2021	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	0		52		30.24	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		01/20/2022 08:21:39
End Time:		01/20/2022 08:31:39
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

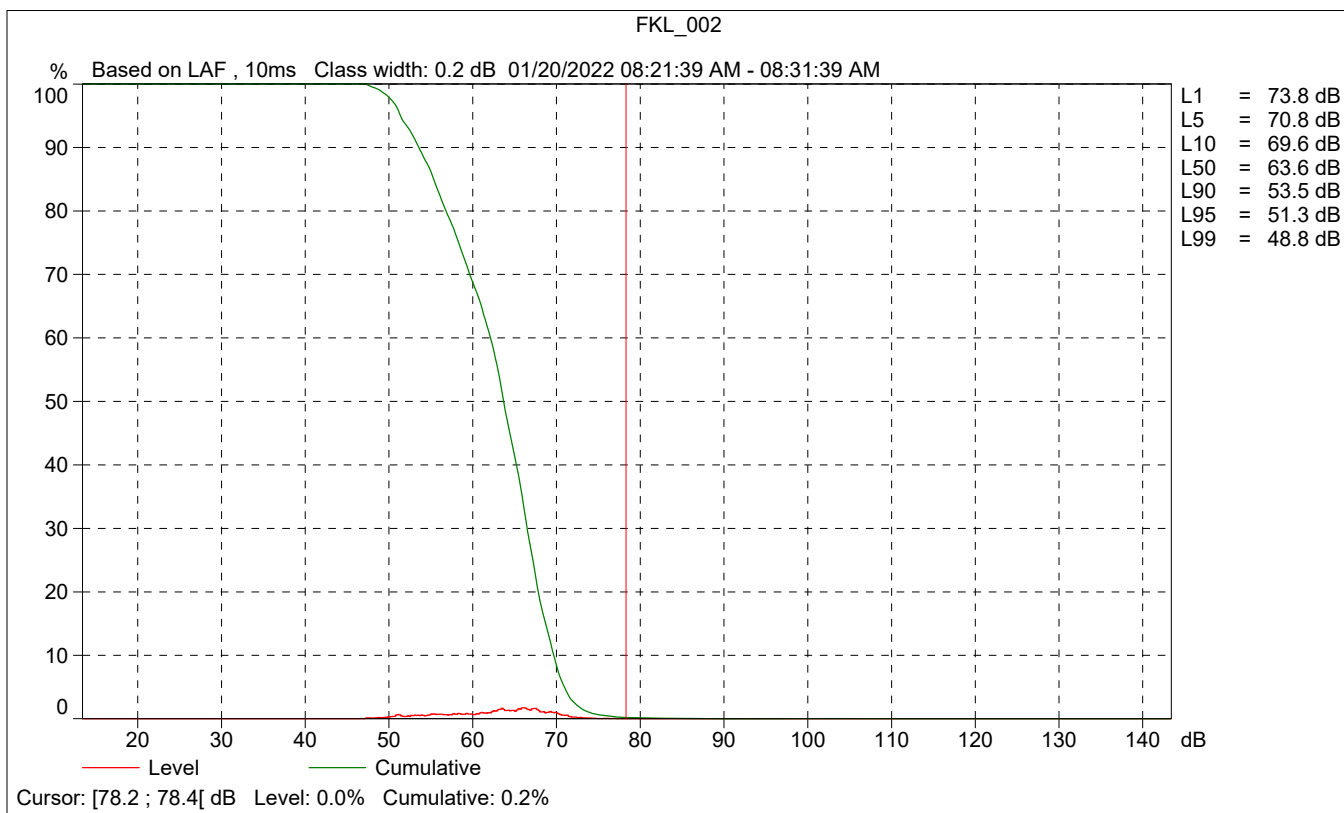
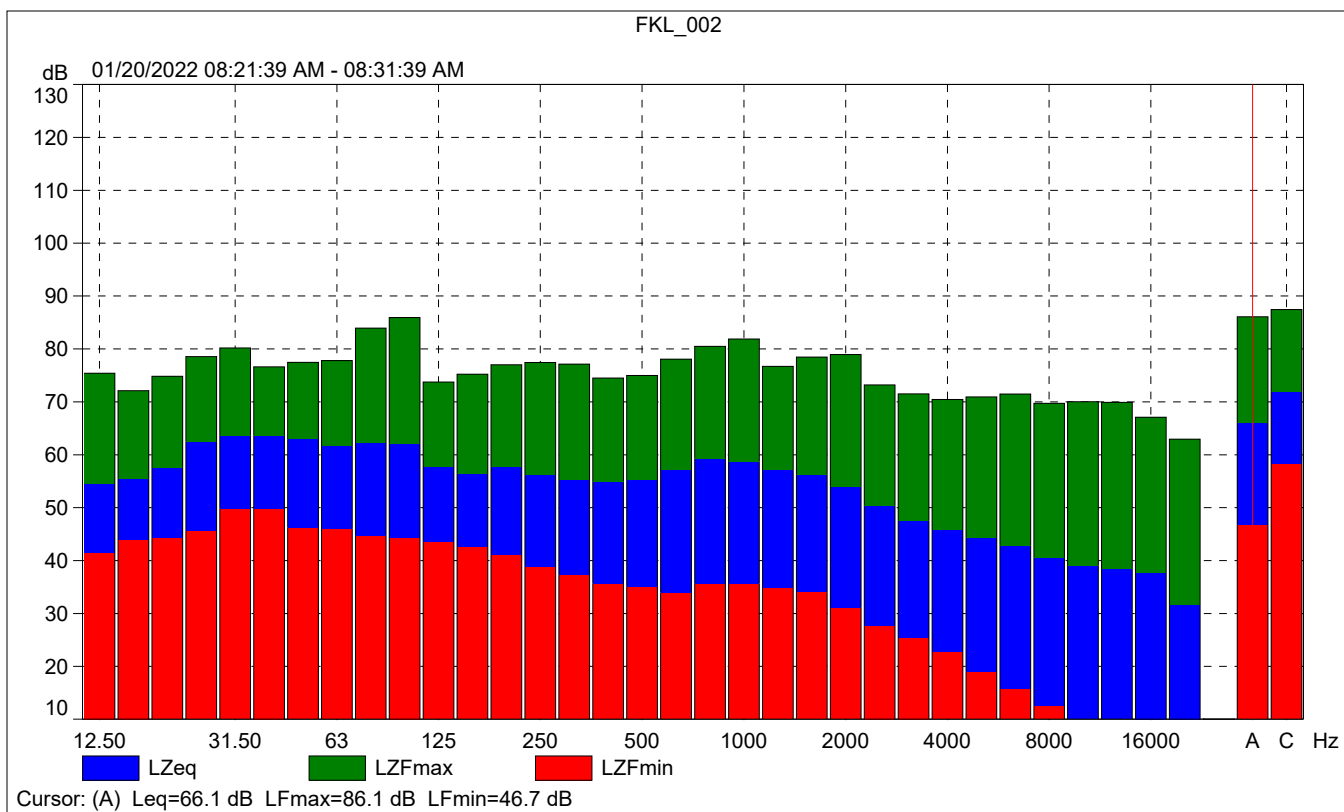
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

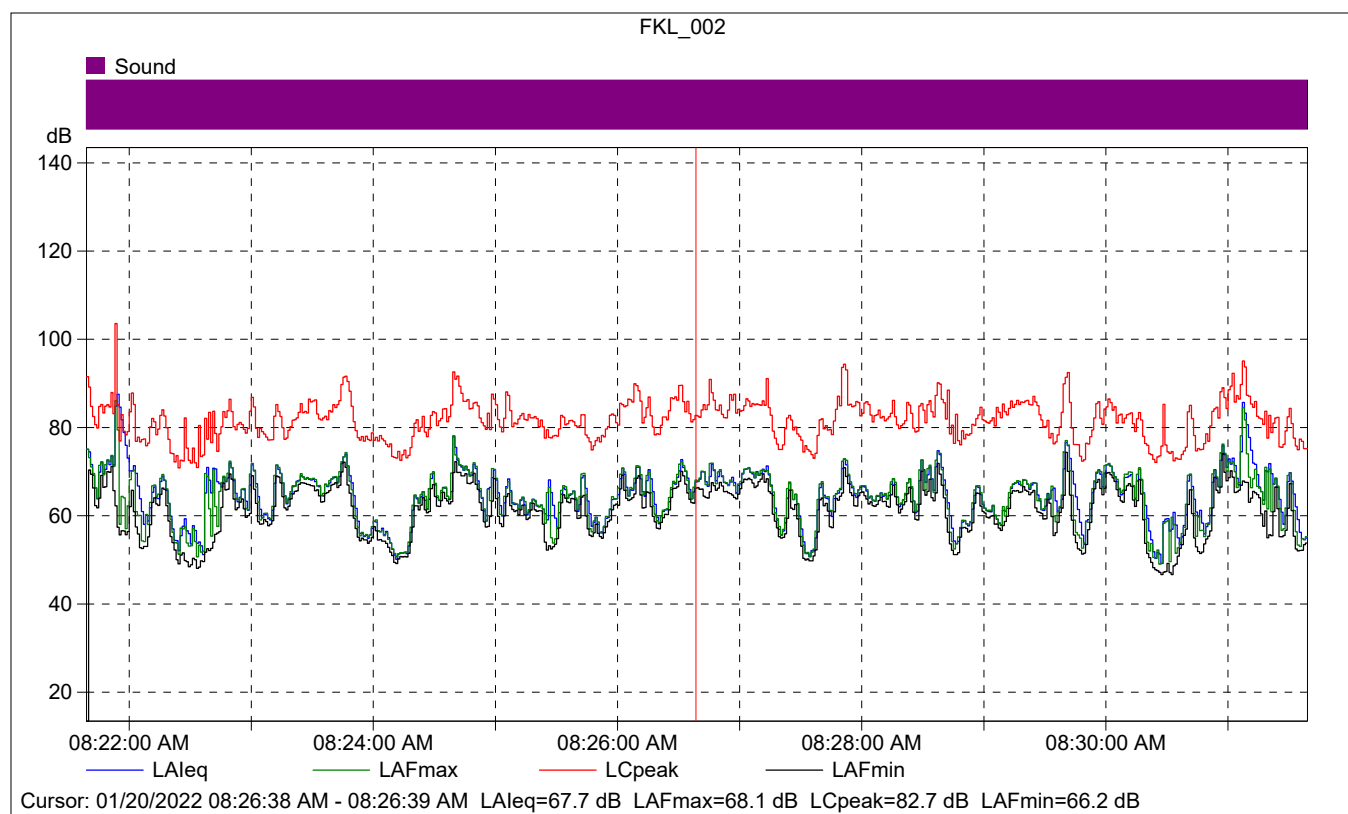
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/20/2022 06:34:29
Calibration Type:		External reference
Sensitivity:		43.3465950191021 mV/Pa

FKL_002

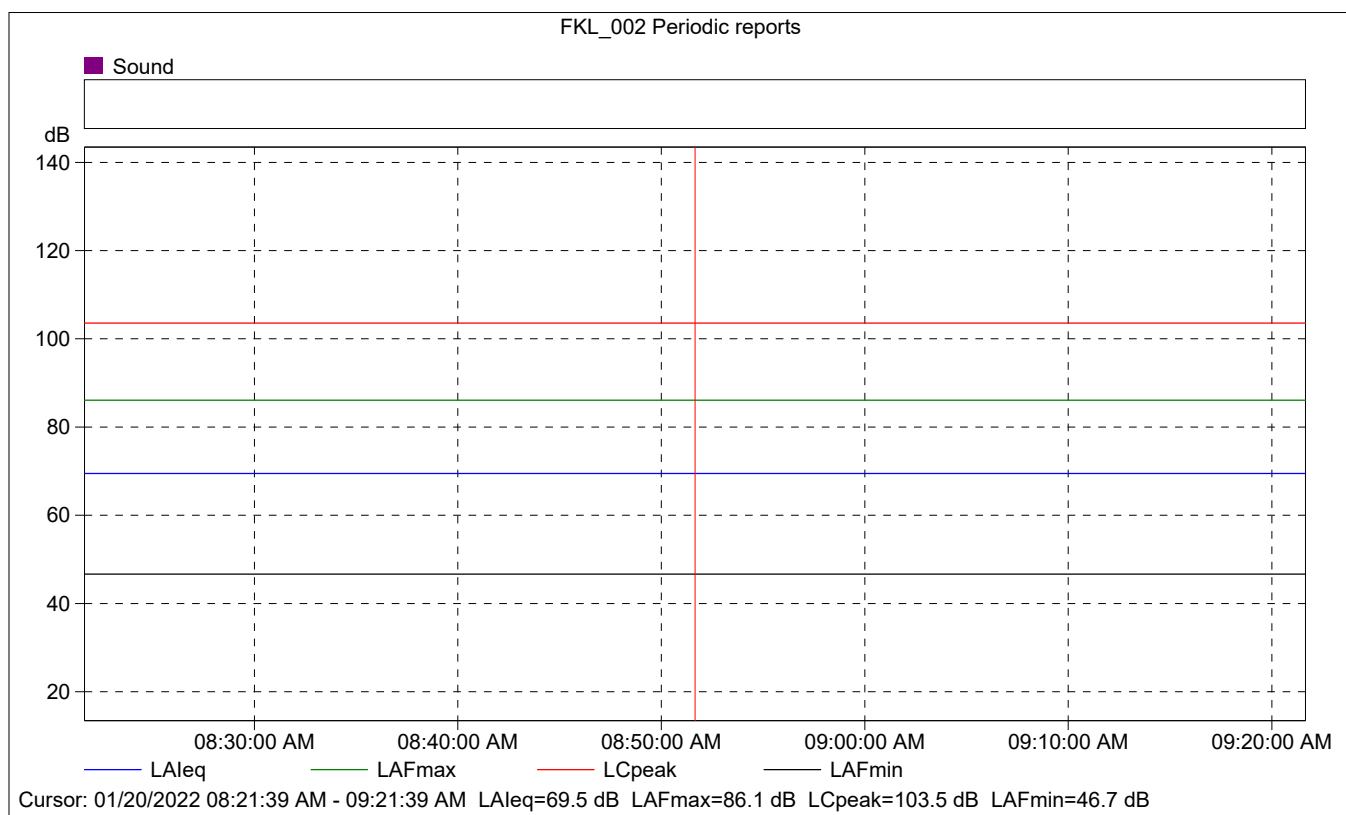
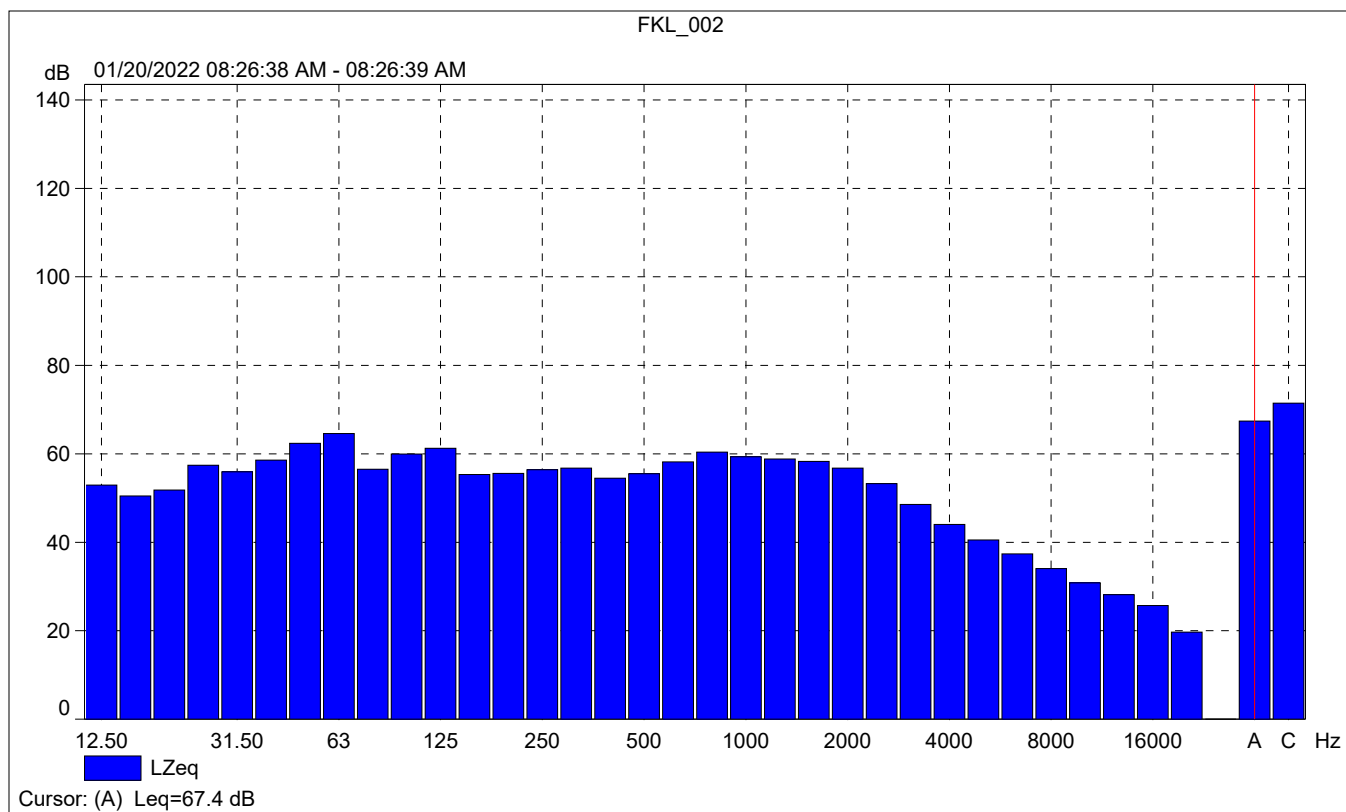
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _A F _{max} [dB]	L _A F _{min} [dB]
Value				0.00	66.1	86.1	46.7
Time	08:21:39 AM	08:31:39 AM	0:10:00				
Date	01/20/2022	01/20/2022					





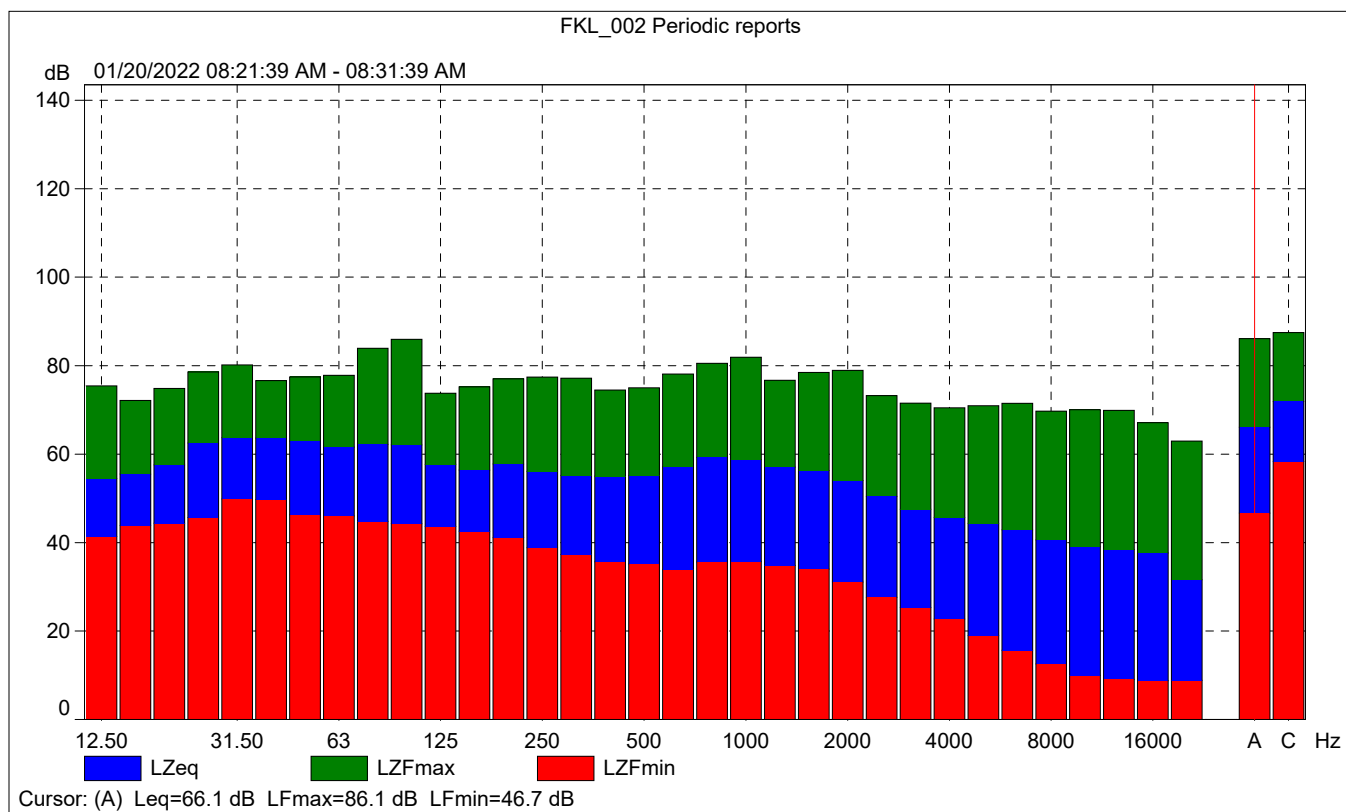
FKL_002

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			67.7	68.1	66.2
Time	08:26:38 AM	0:00:01			
Date	01/20/2022				

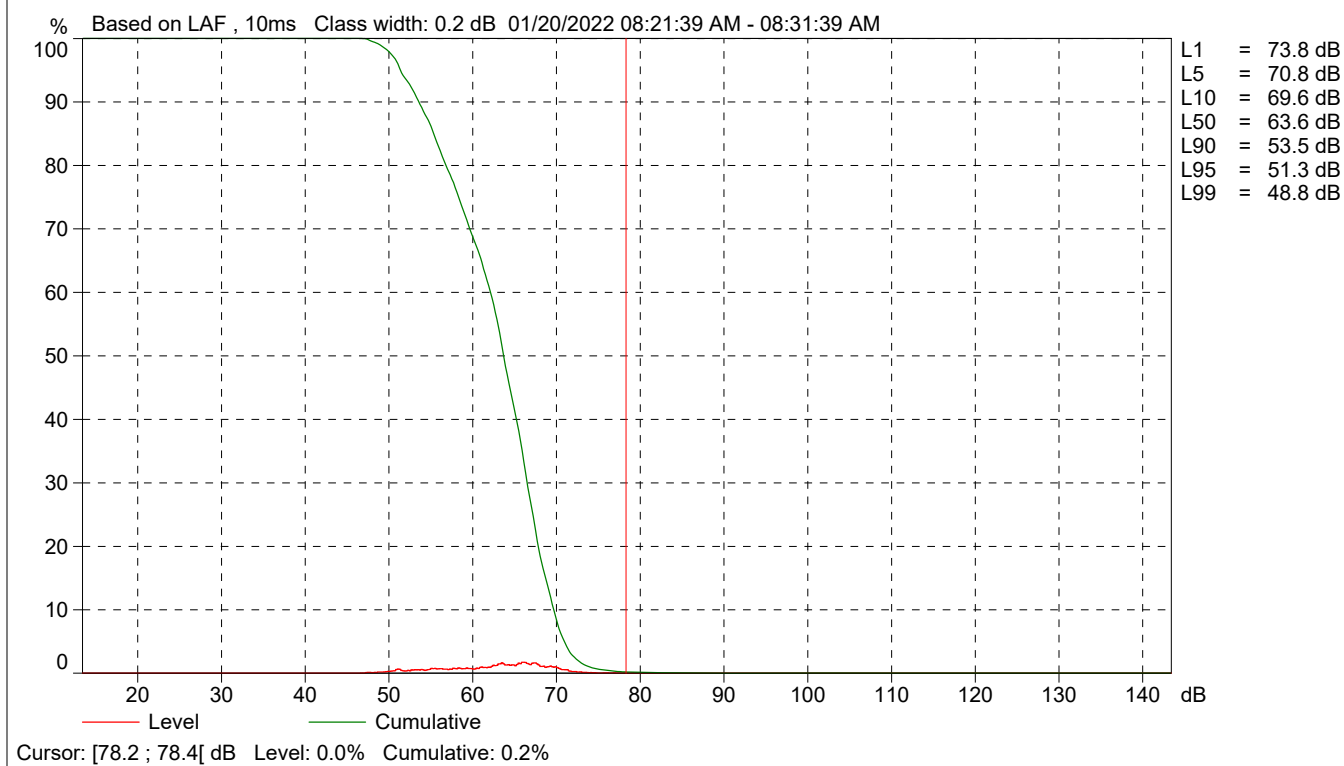


FKL_002 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	69.5	86.1	46.7
Time	08:21:39 AM	0:10:00				
Date	01/20/2022					



FKL_002 Periodic reports



Site Number: No.1			
Recorded By: Winnie Woo, Tina Yuan			
Job Number: 187412			
Date: 1/21/2022			
Time: 9:00 a.m.			
Location: The alley entrance between Franklin Elementary School and 2316 23rd Street			
Source of Peak Noise: Traffic along Montana Avenue			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
65.6	76.5	40.9	88.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	09/09/2021	
	Microphone	Brüel & Kjær	4189	3086765	09/09/2021	
	Preamp	Brüel & Kjær	ZC 0032	25380	09/09/2021	
	Calibrator	Brüel & Kjær	4231	2545667	09/09/2021	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	0		52		30.24	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		01/20/2022 08:59:35
End Time:		01/20/2022 09:09:35
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

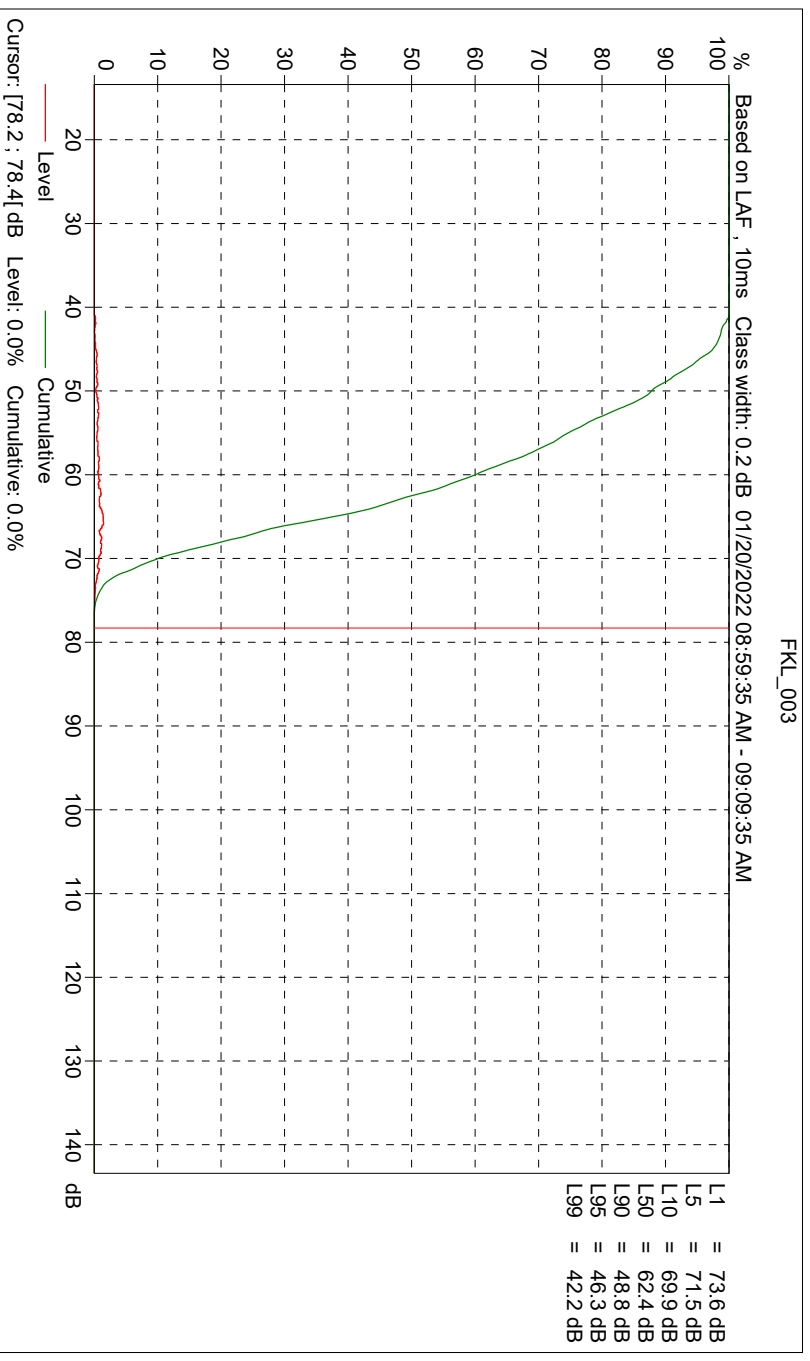
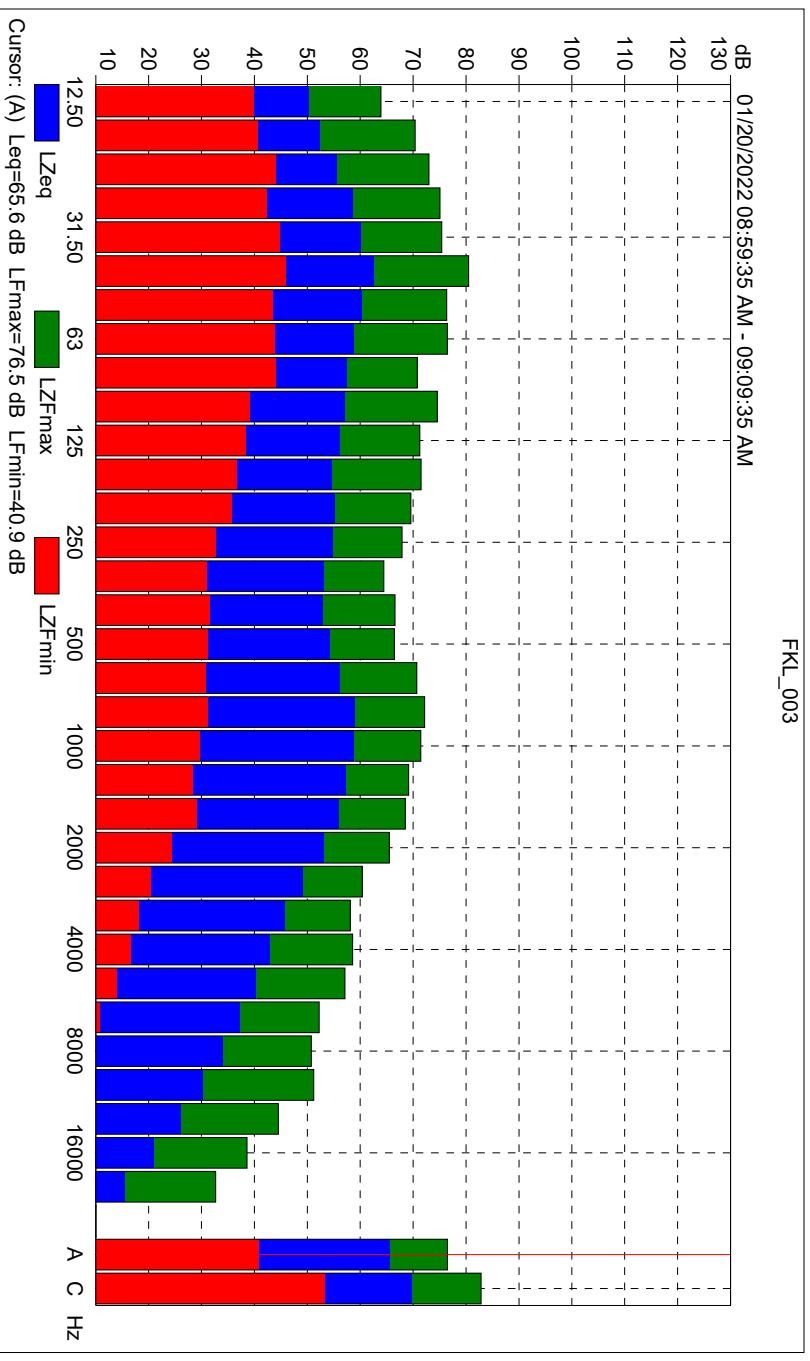
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

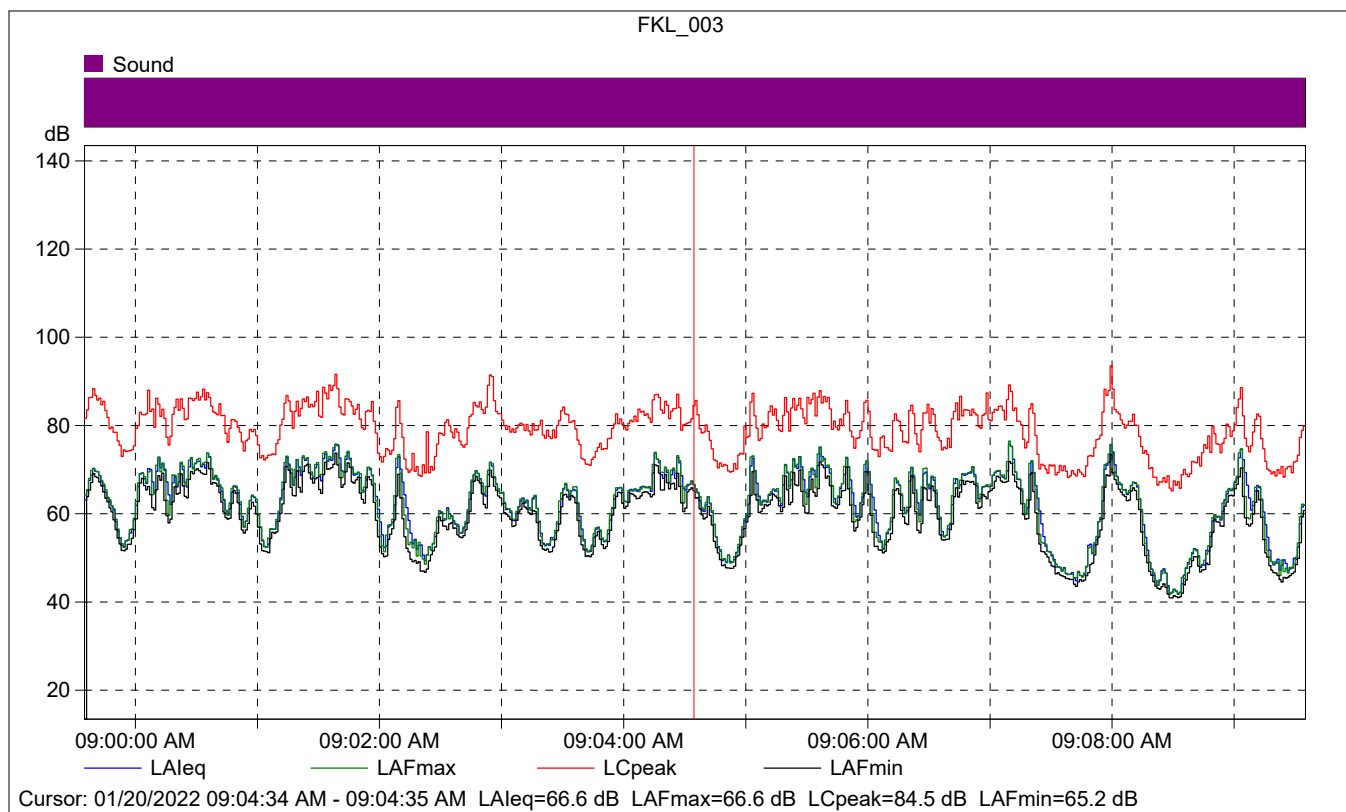
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/20/2022 06:34:29
Calibration Type:		External reference
Sensitivity:		43.3465950191021 mV/Pa

FKL_003

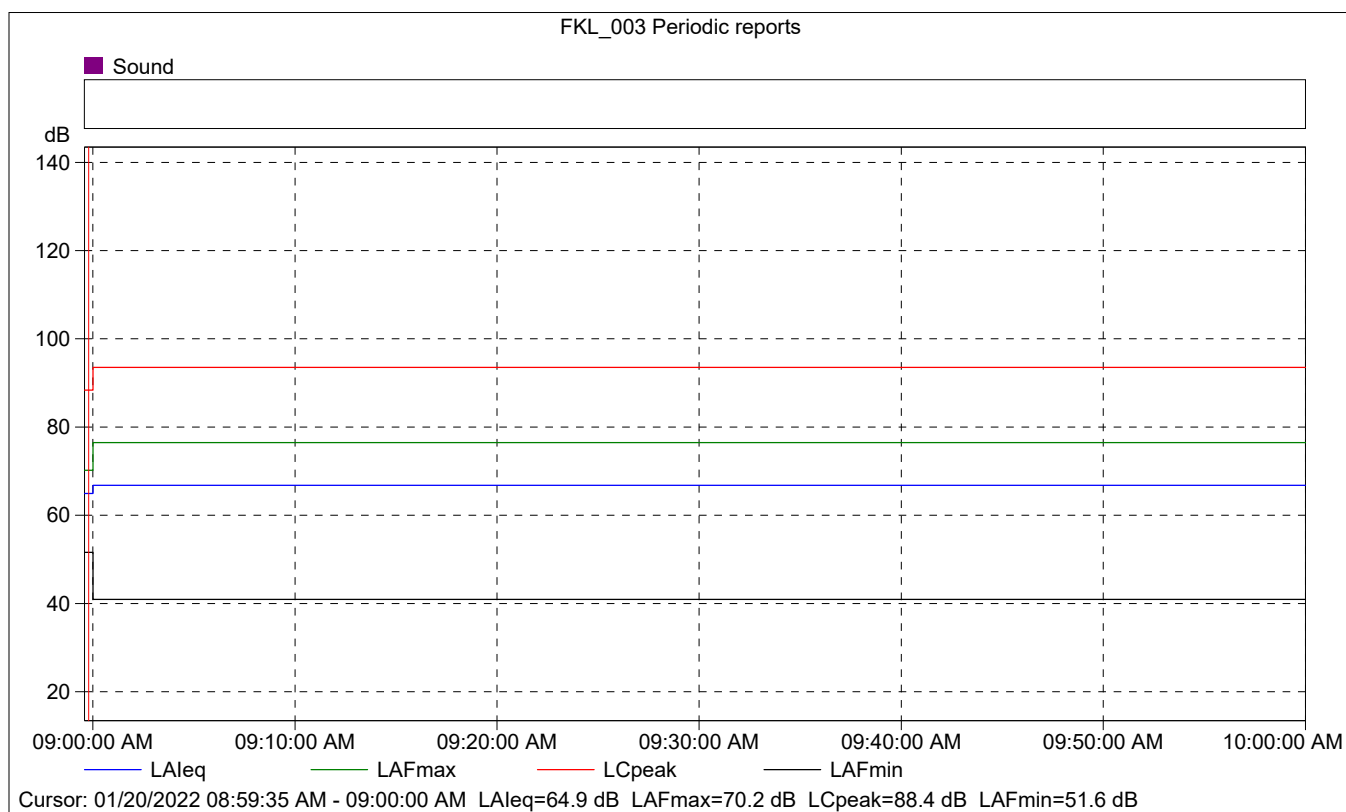
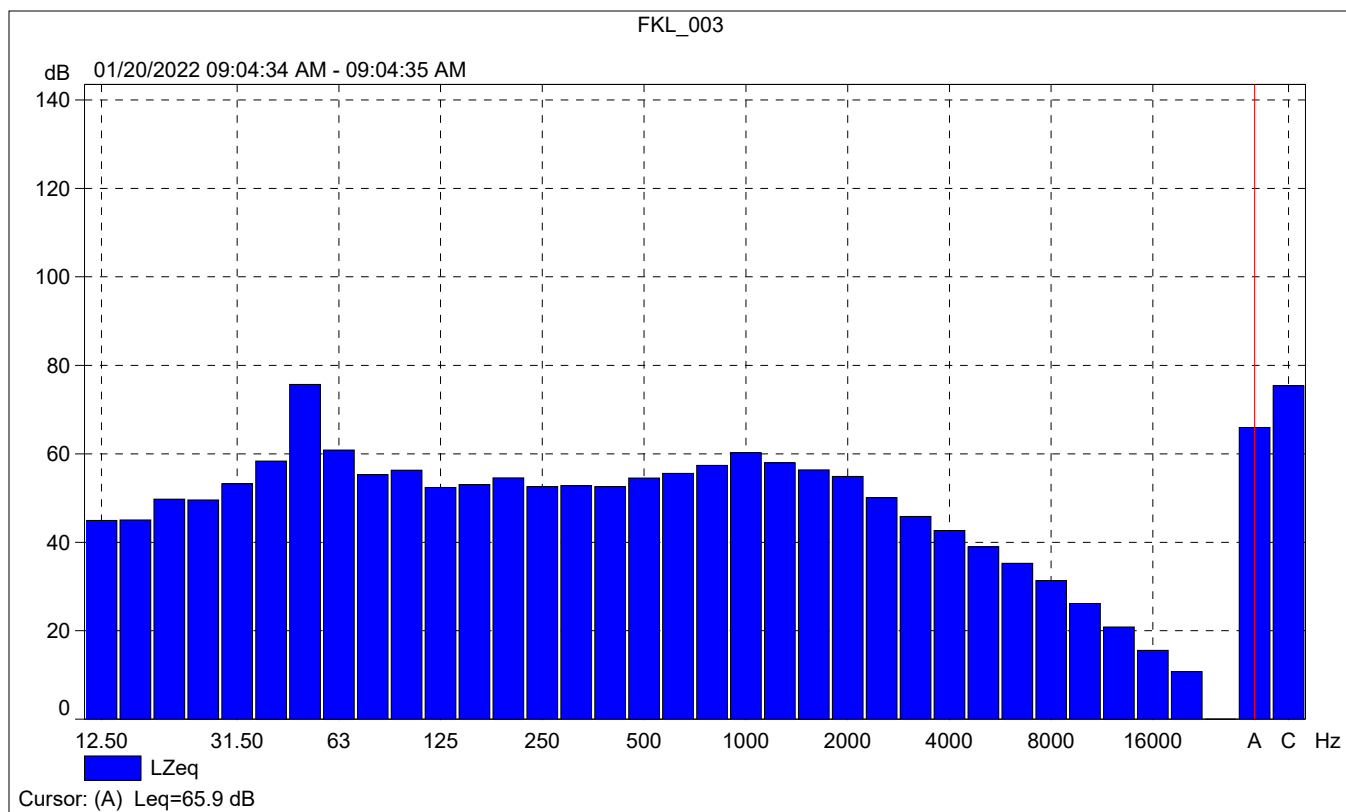
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	65.6	76.5	40.9
Time	08:59:35 AM	09:09:35 AM	0:10:00				
Date	01/20/2022	01/20/2022					





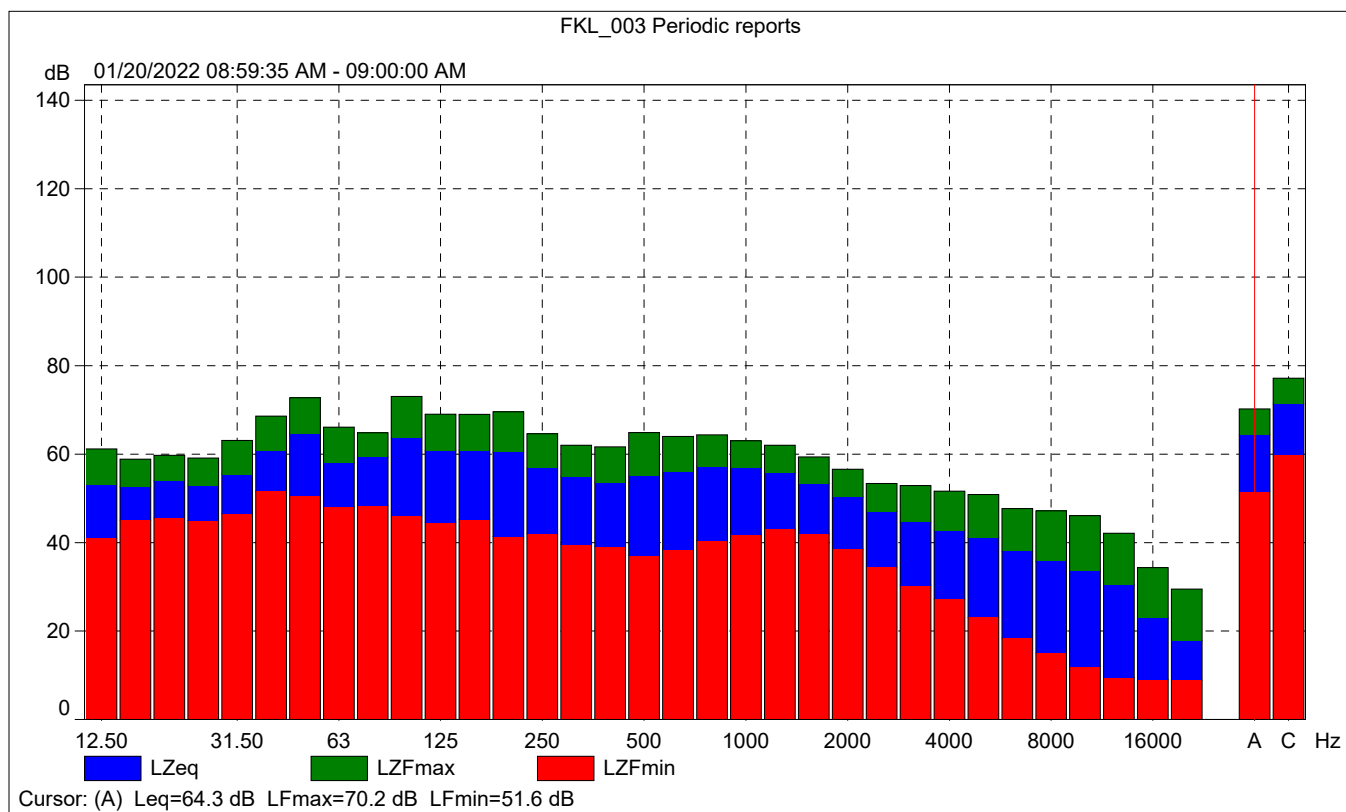
FKL_003

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			66.6	66.6	65.2
Time	09:04:34 AM	0:00:01			
Date	01/20/2022				

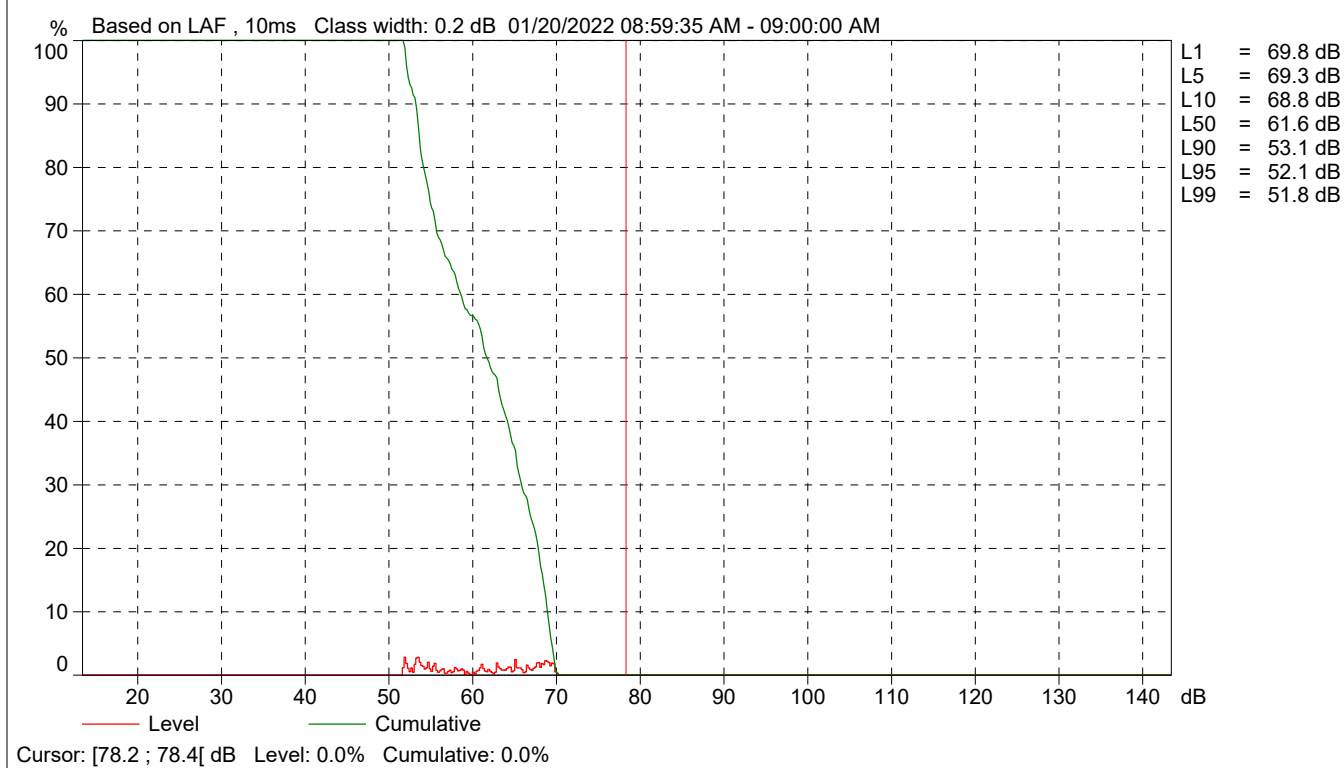


FKL_003 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	64.9	70.2	51.6
Time	08:59:35 AM	0:00:25				
Date	01/20/2022					



FKL_003 Periodic reports



Site Number: No.2			
Recorded By: Winnie Woo, Tina Yuan			
Job Number: 187412			
Date: 1/21/2022			
Time: 9:21 a.m.			
Location: The alley between Franklin Elementary School between the backyard of 818 25th Street			
Source of Peak Noise: HAVC noise from Franklin Elementary School.			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
53.5	68.4	43.8	95.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	09/09/2021	
	Microphone	Brüel & Kjær	4189	3086765	09/09/2021	
	Preamp	Brüel & Kjær	ZC 0032	25380	09/09/2021	
	Calibrator	Brüel & Kjær	4231	2545667	09/09/2021	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	0		52		30.24	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		01/20/2022 09:20:49
End Time:		01/20/2022 09:30:49
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

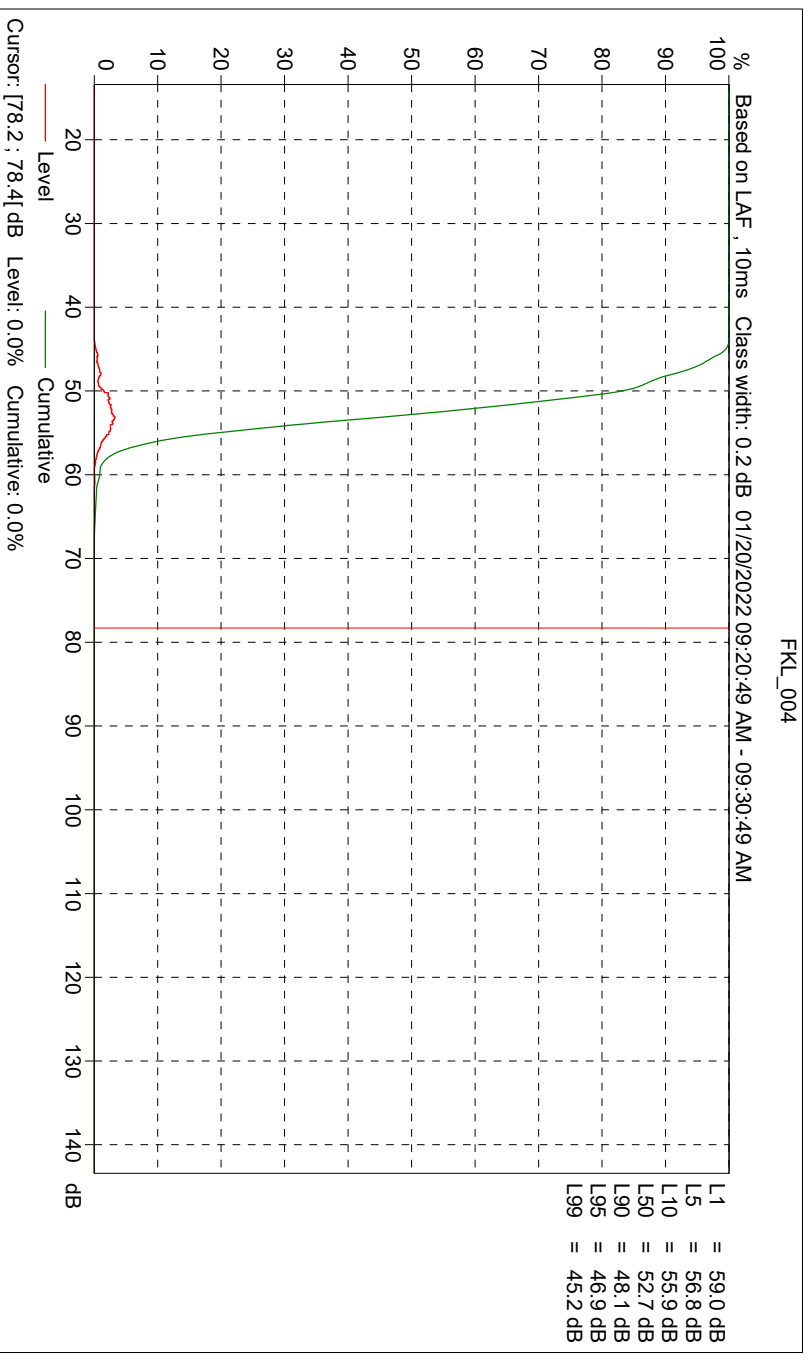
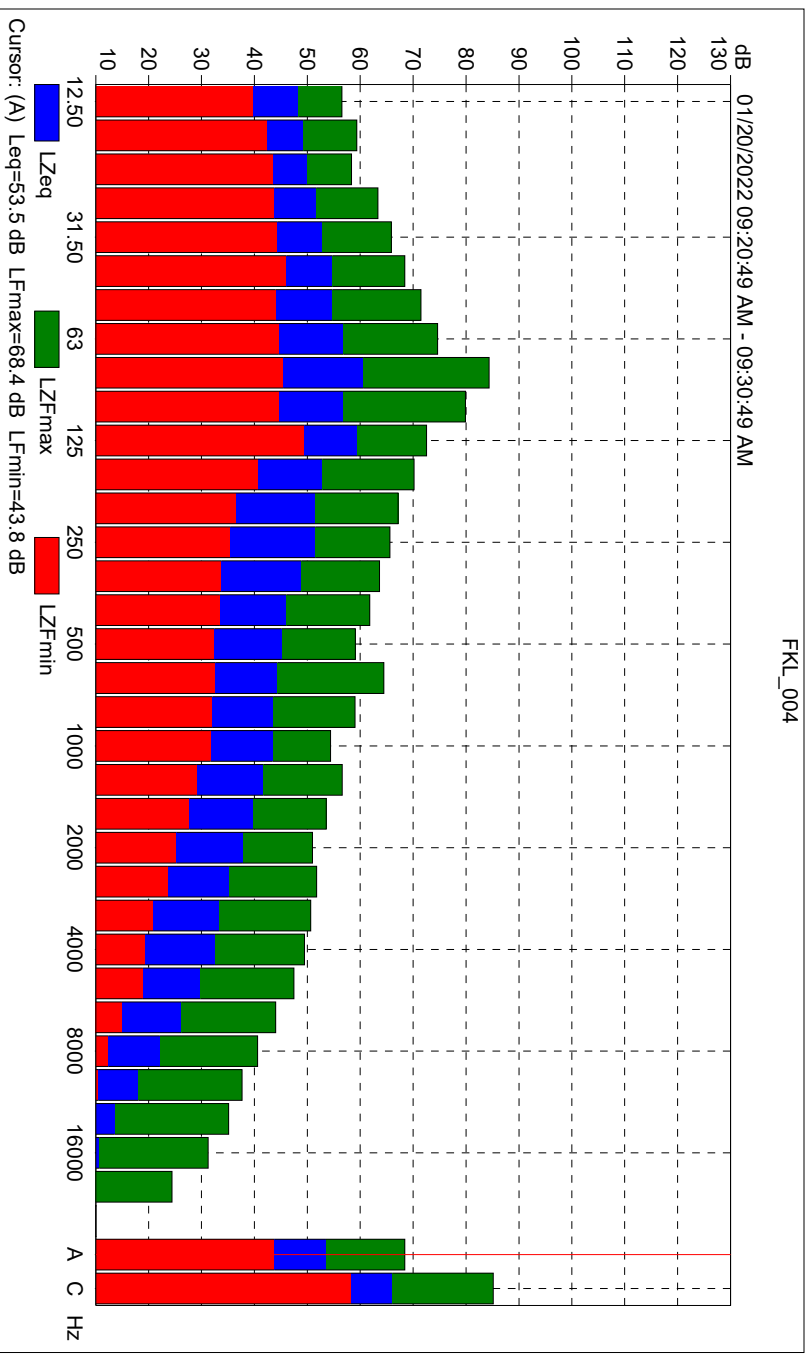
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

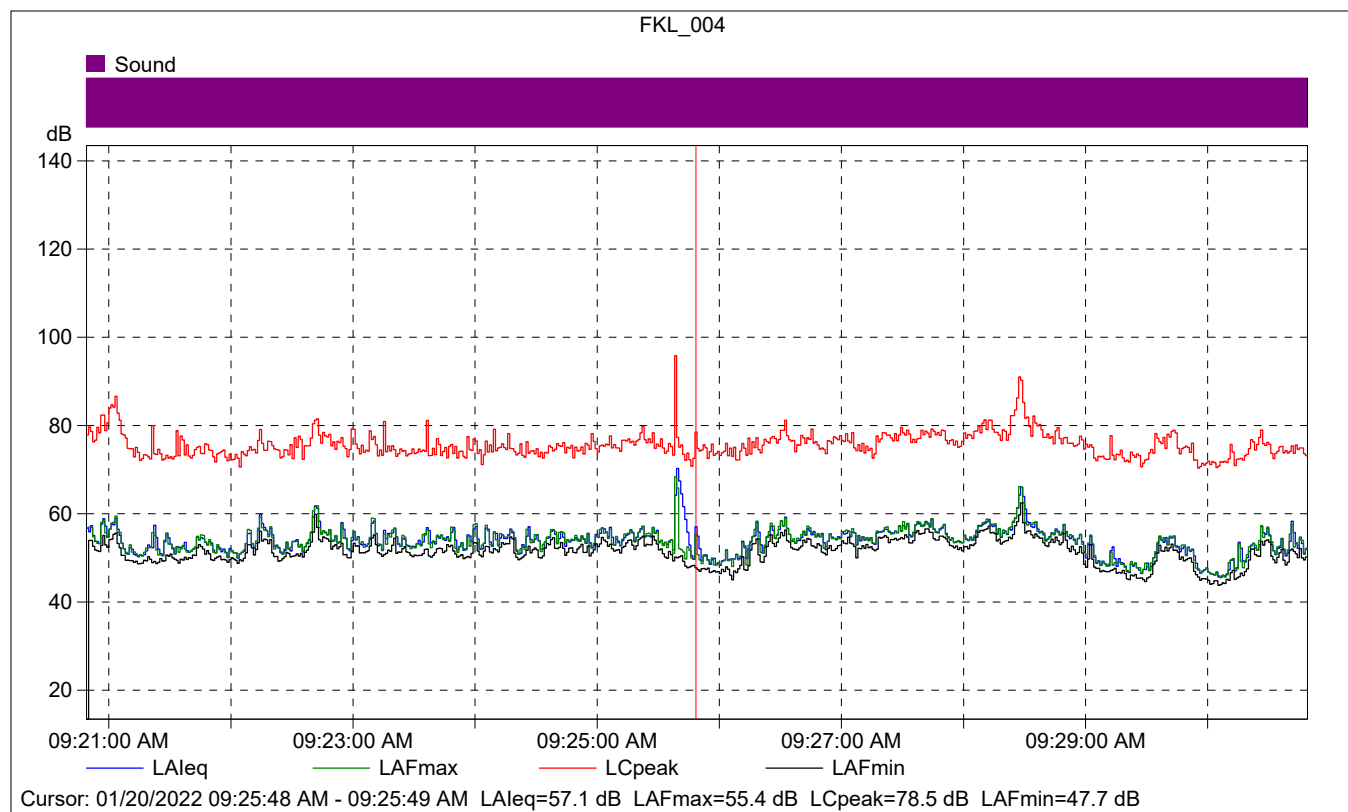
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/20/2022 06:34:29
Calibration Type:		External reference
Sensitivity:		43.3465950191021 mV/Pa

FKL_004

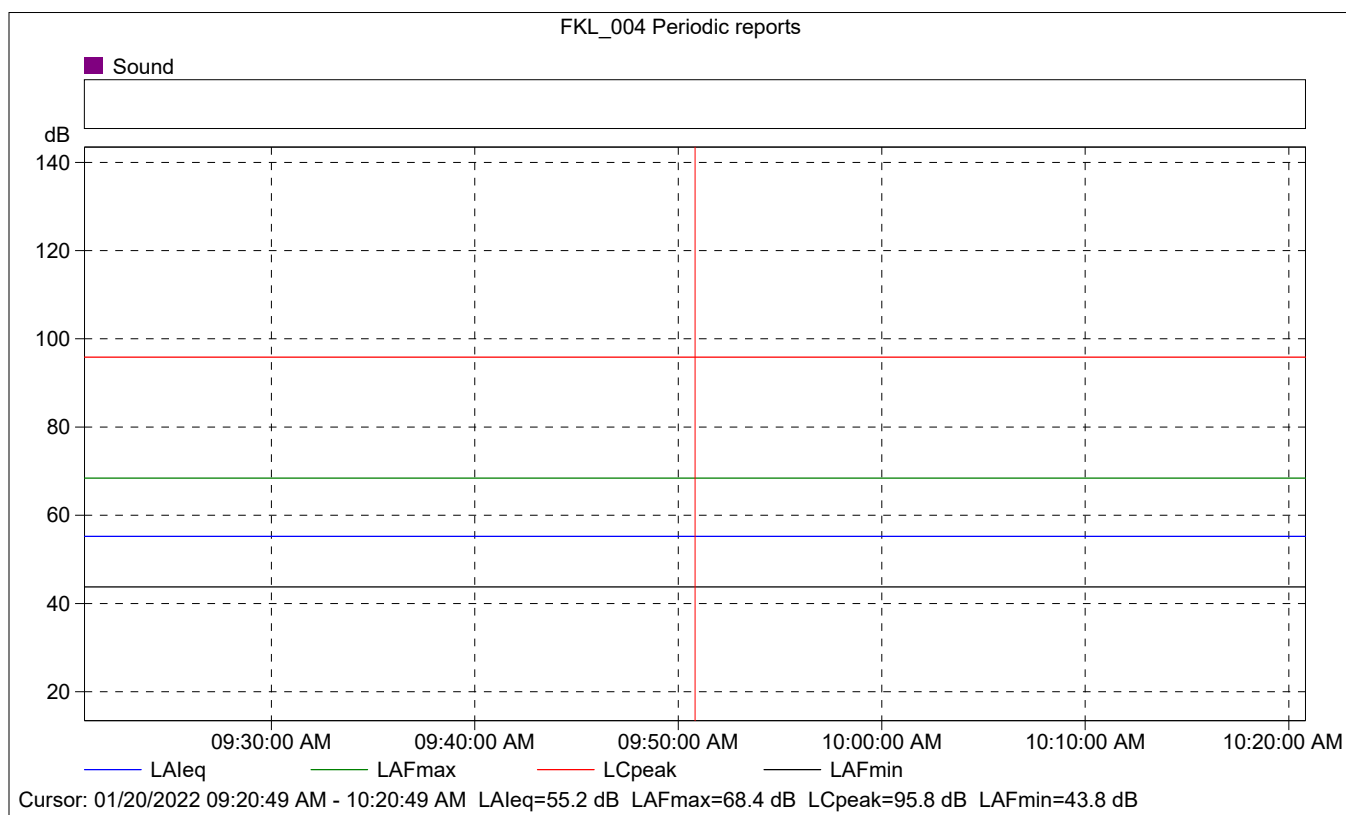
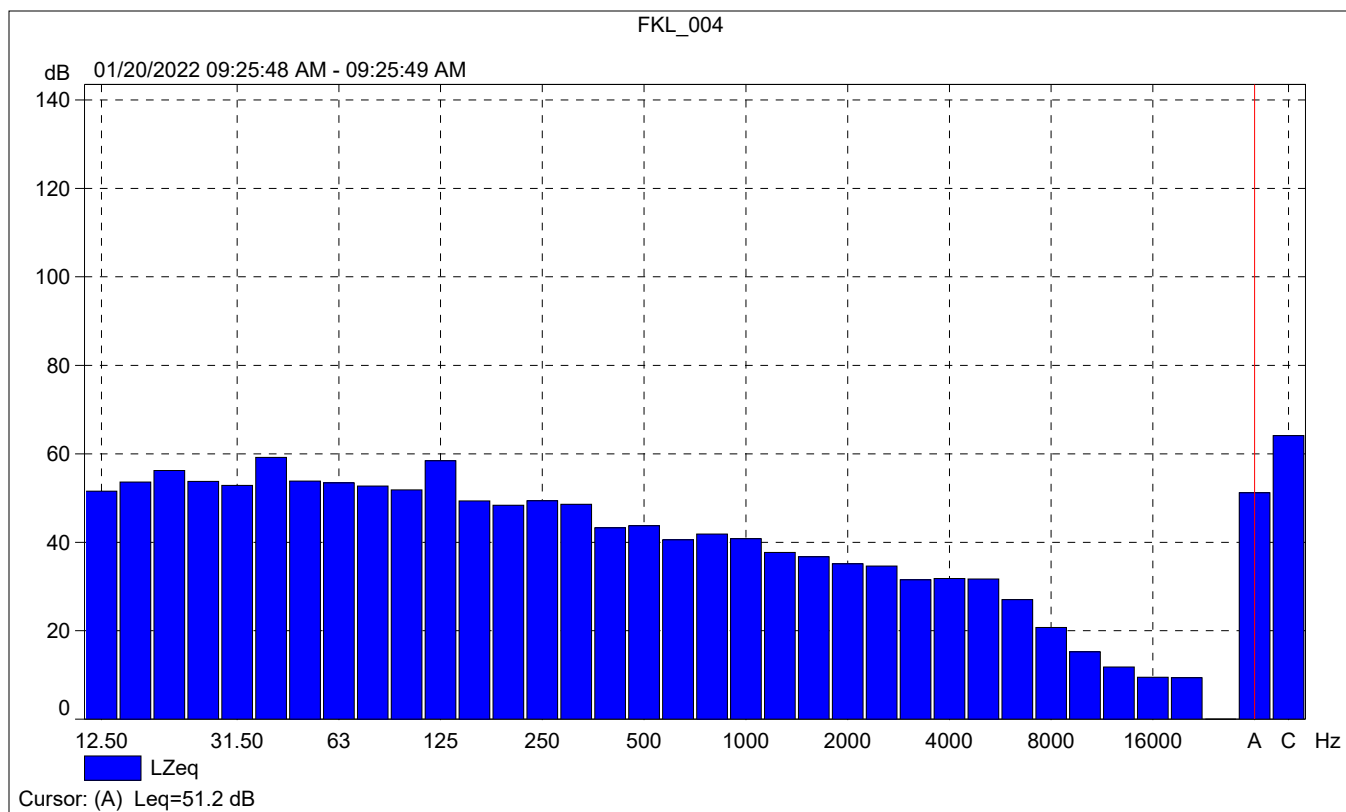
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _A F _{max} [dB]	L _A F _{min} [dB]
Value				0.00	53.5	68.4	43.8
Time	09:20:49 AM	09:30:49 AM	0:10:00				
Date	01/20/2022	01/20/2022					





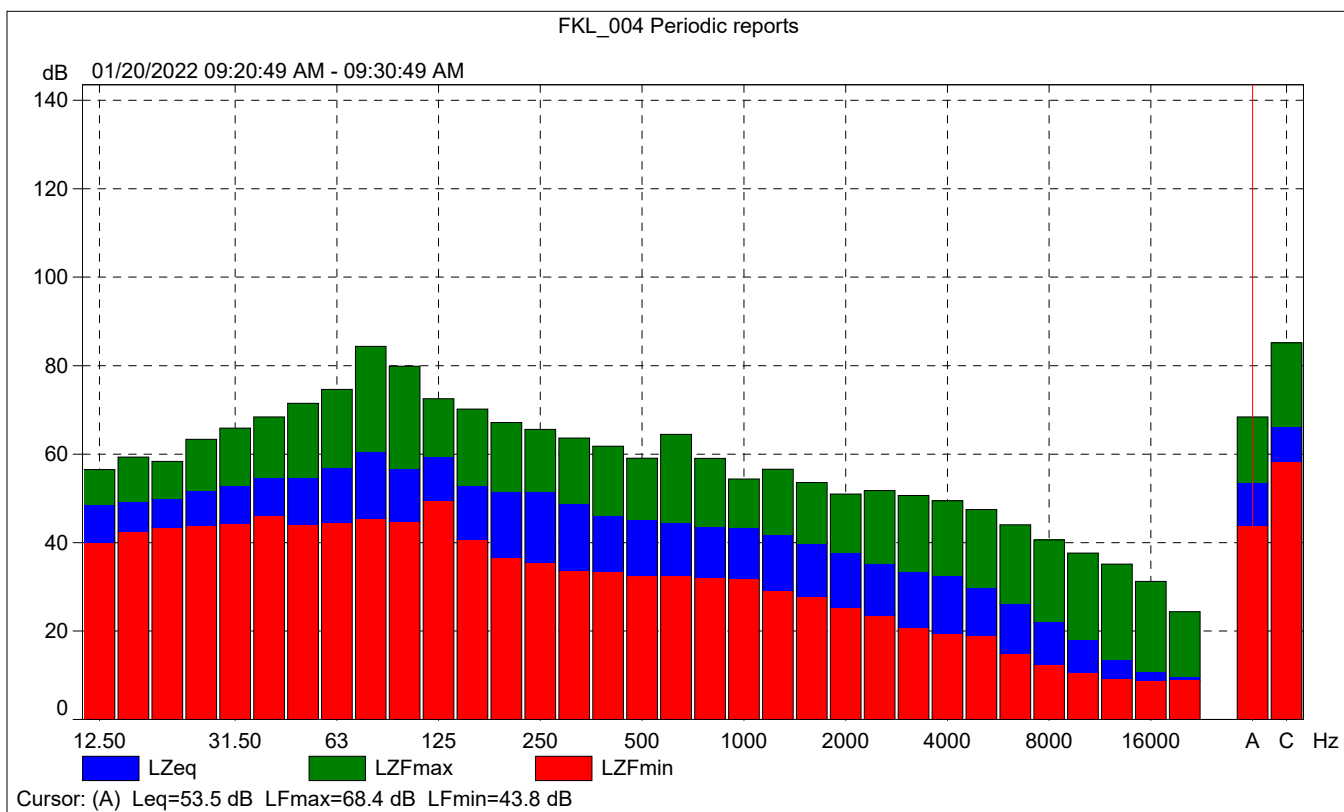
FKL_004

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			57.1	55.4	47.7
Time	09:25:48 AM	0:00:01			
Date	01/20/2022				

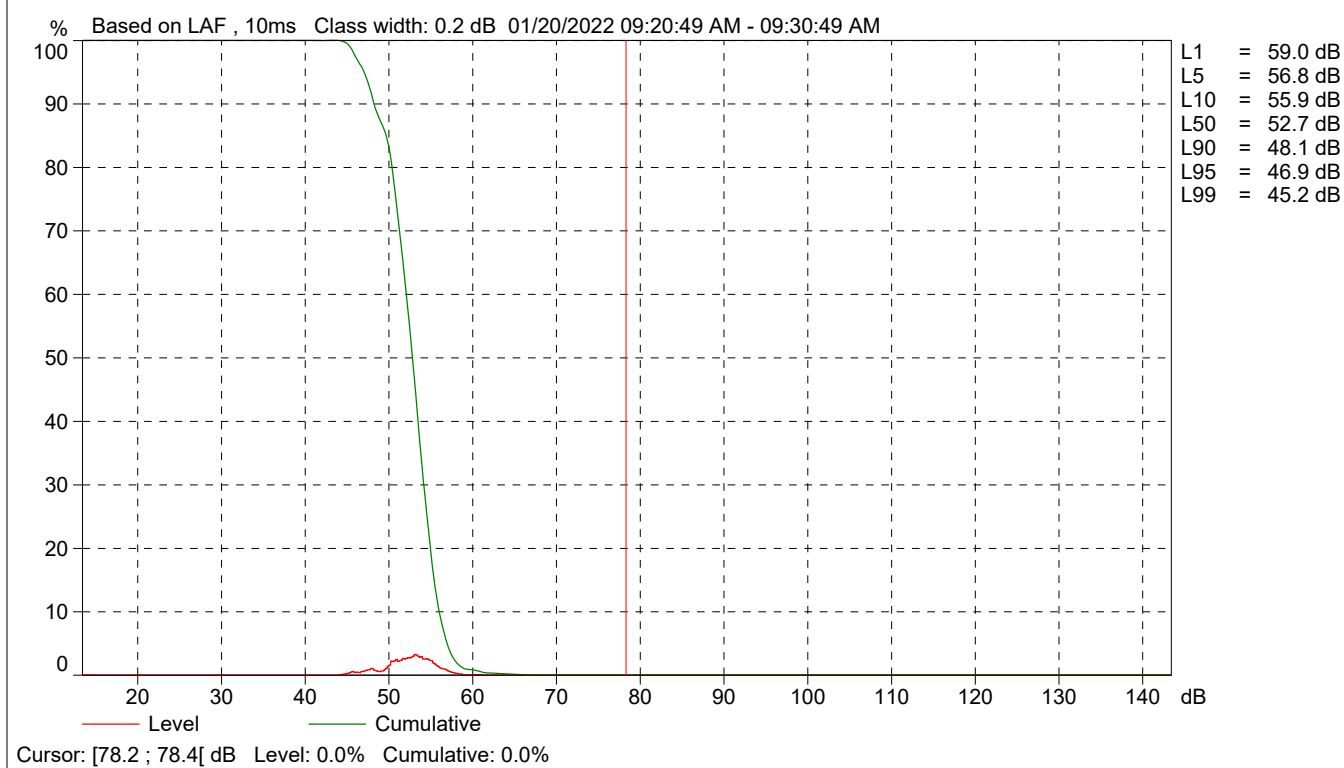


FKL_004 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	55.2	68.4	43.8
Time	09:20:49 AM	0:10:00				
Date	01/20/2022					



FKL_004 Periodic reports



Site Number: No.3			
Recorded By: Winnie Woo, Tina Yuan			
Job Number: 187412			
Date: 1/21/2022			
Time: 8:06 a.m.			
Location: South corner of intersection of Idaho Avenue and 24th Street			
Source of Peak Noise: Traffic along Idaho Avenue and 24th street, planes overhead			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
57.3	71.3	47.8	91.3

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	09/09/2021	
	Microphone	Brüel & Kjær	4189	3086765	09/09/2021	
	Preamp	Brüel & Kjær	ZC 0032	25380	09/09/2021	
	Calibrator	Brüel & Kjær	4231	2545667	09/09/2021	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	0		52		30.24	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		01/20/2022 08:06:55
End Time:		01/20/2022 08:16:55
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

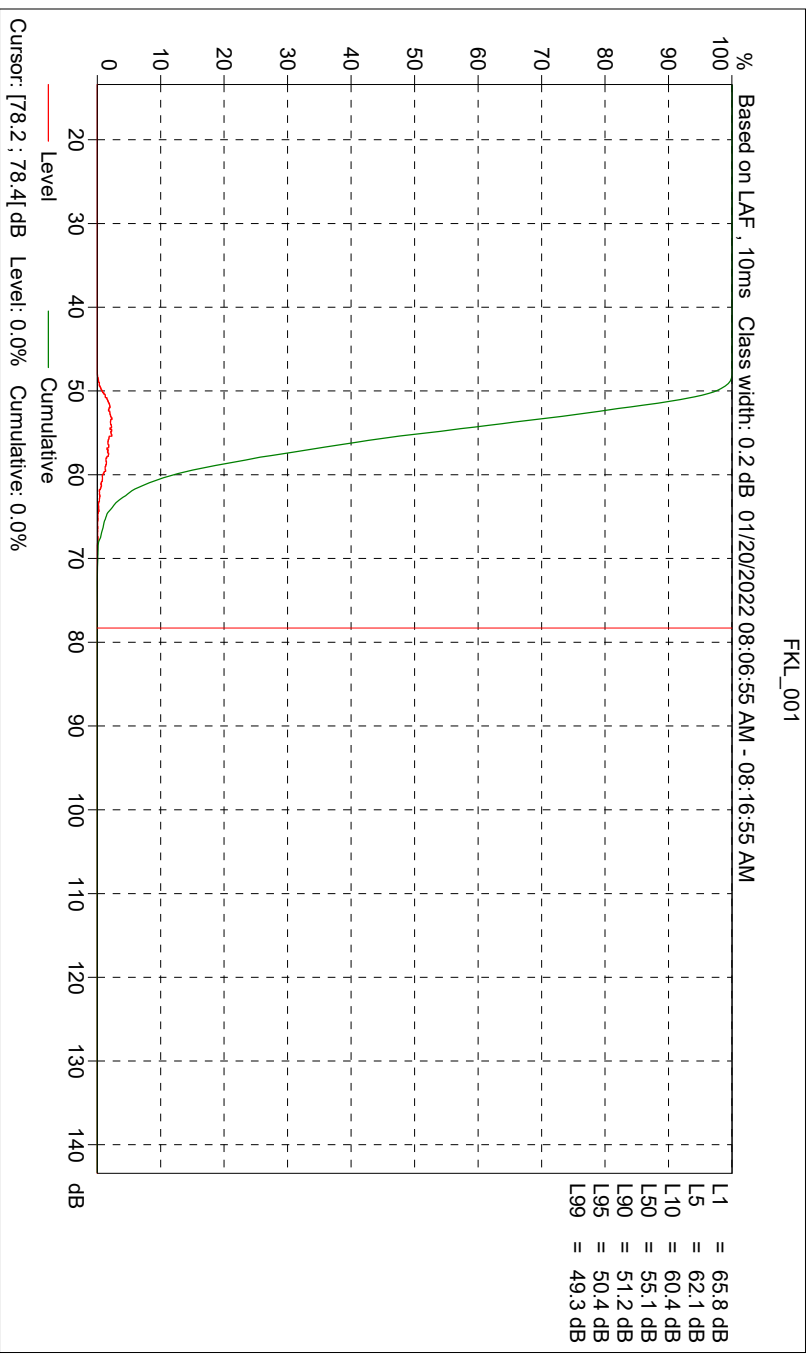
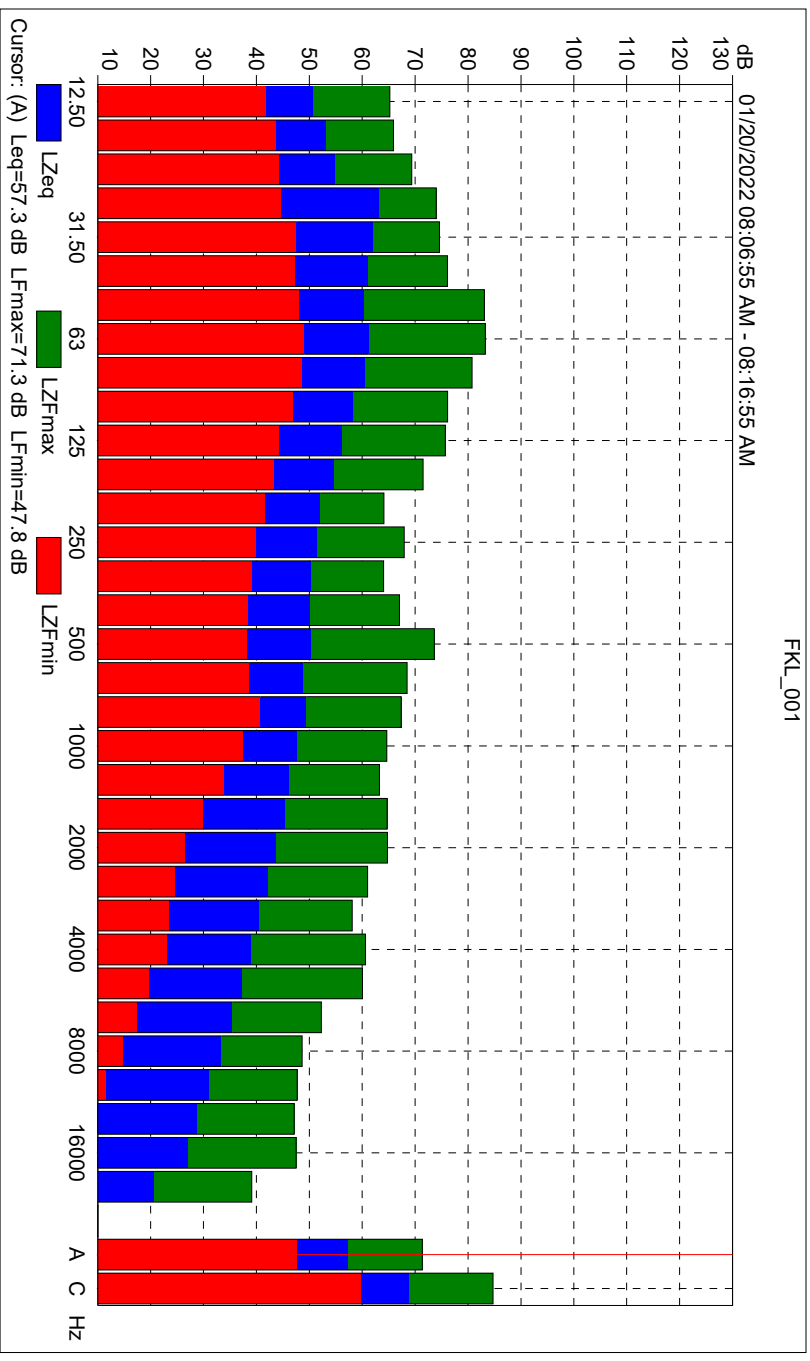
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

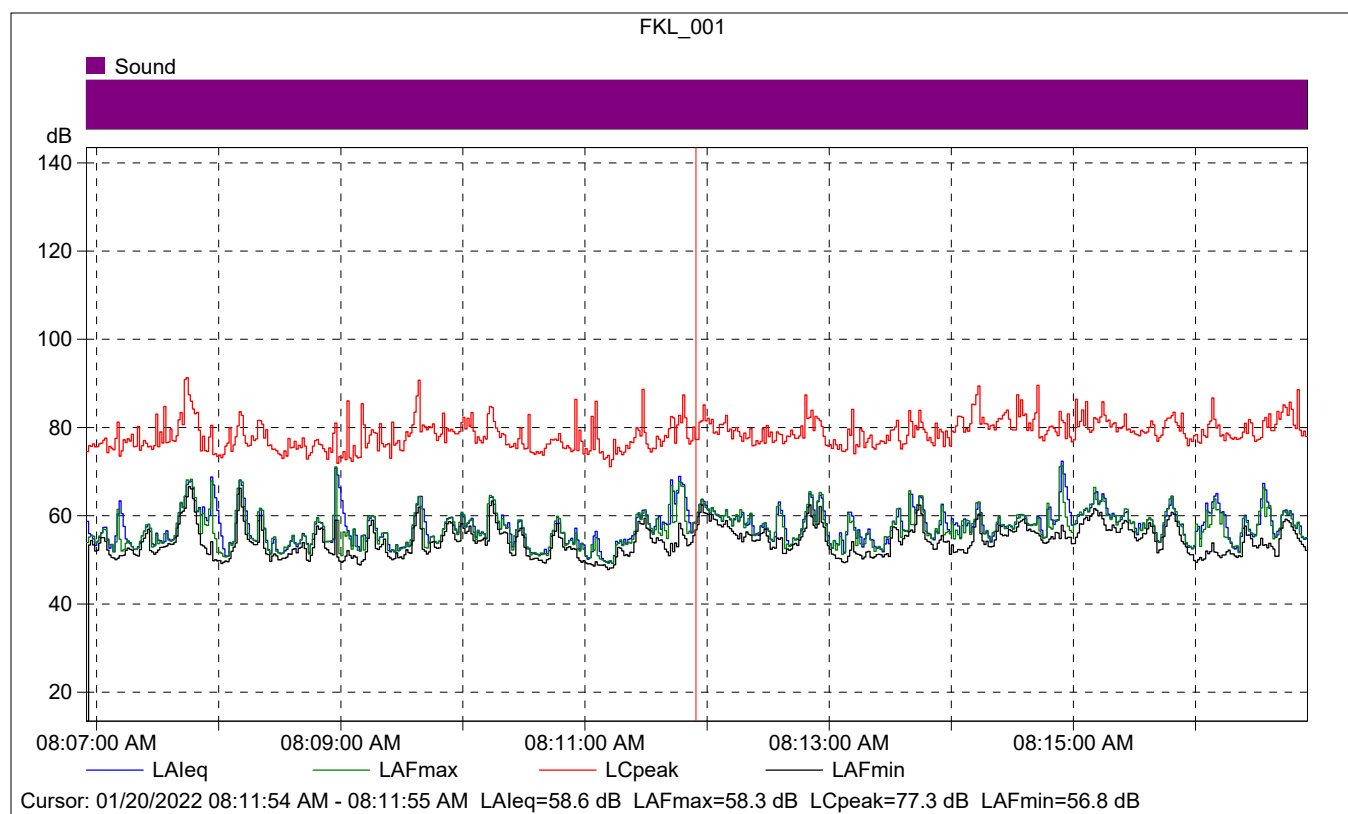
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/20/2022 06:34:29
Calibration Type:		External reference
Sensitivity:		43.3465950191021 mV/Pa

FKL_001

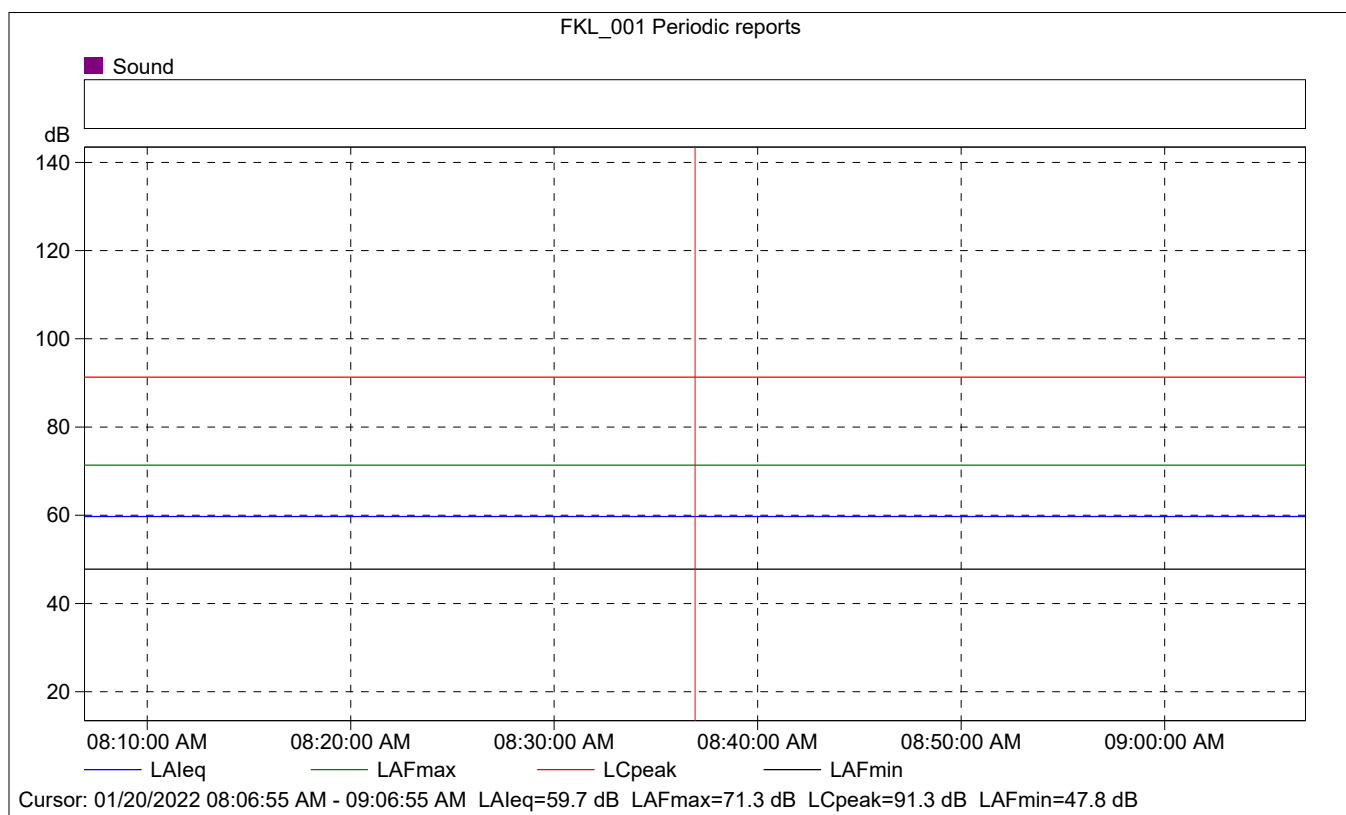
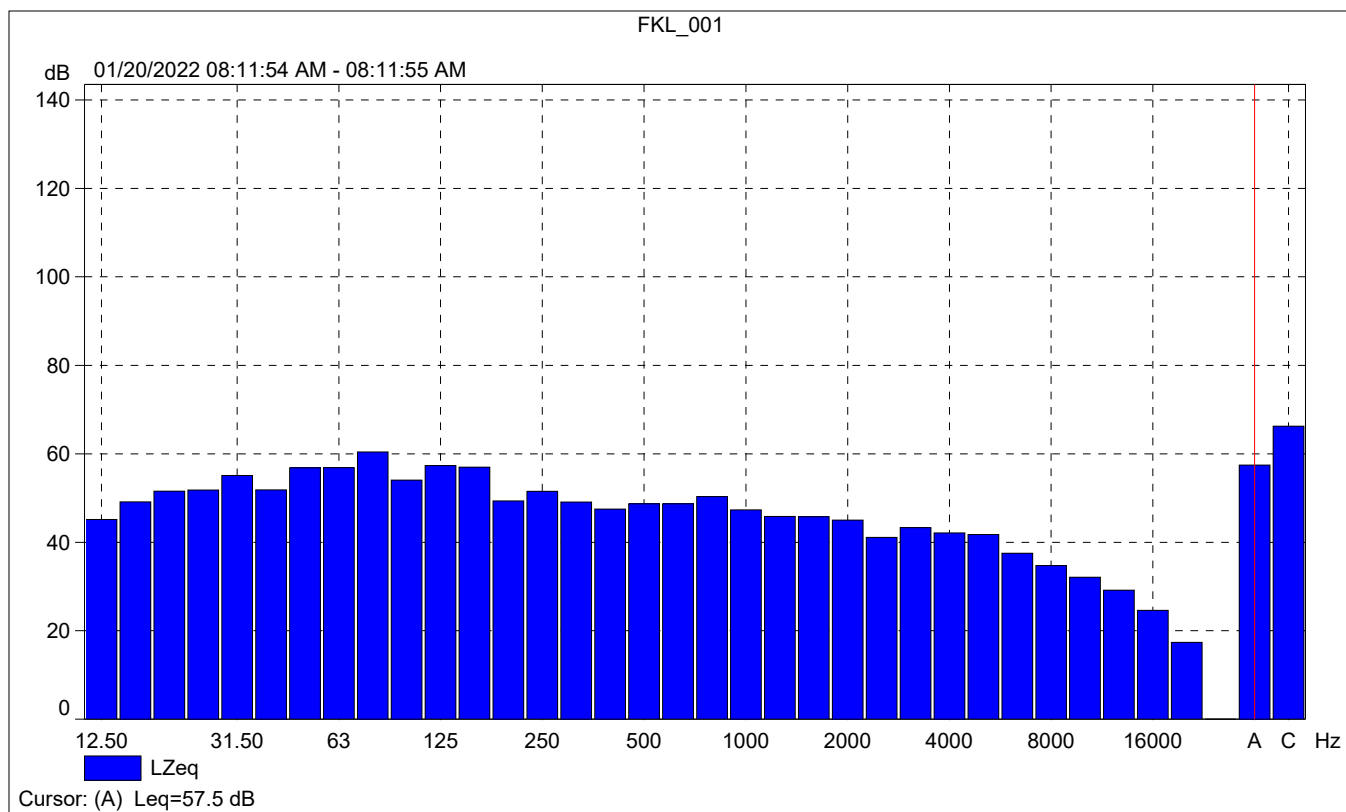
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _A F _{max} [dB]	L _A F _{min} [dB]
Value				0.00	57.3	71.3	47.8
Time	08:06:55 AM	08:16:55 AM	0:10:00				
Date	01/20/2022	01/20/2022					





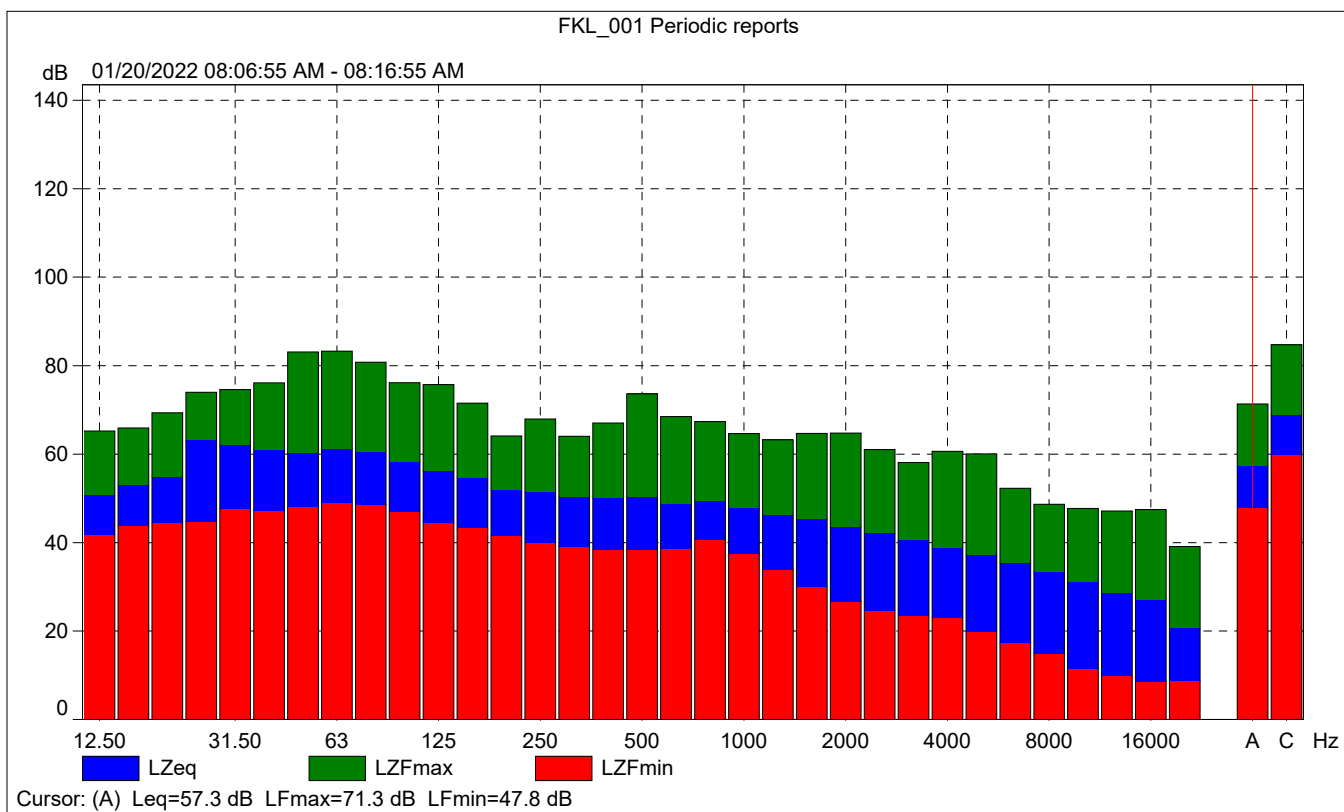
FKL_001

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			58.6	58.3	56.8
Time	08:11:54 AM	0:00:01			
Date	01/20/2022				

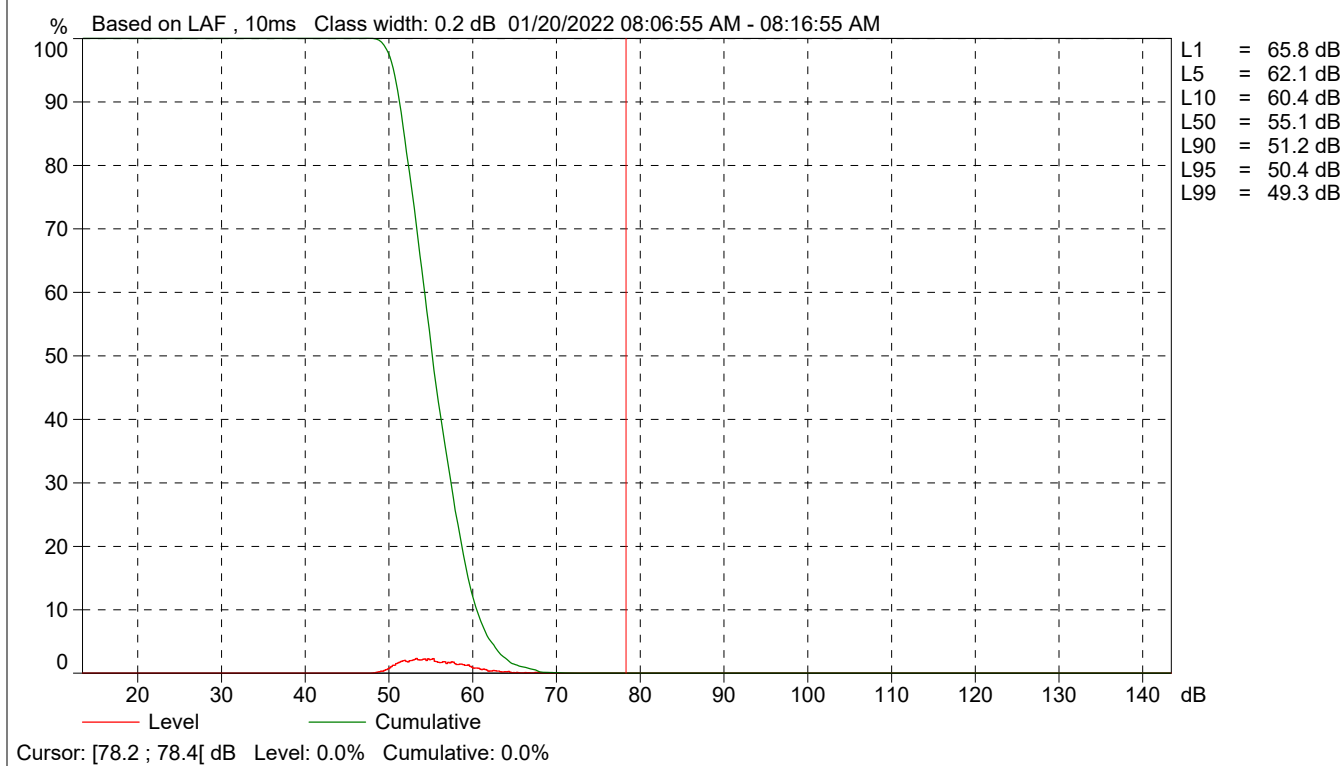


FKL_001 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	59.7	71.3	47.8
Time	08:06:55 AM	0:10:00				
Date	01/20/2022					



FKL_001 Periodic reports



Site Number: No.3			
Recorded By: Winnie Woo, Tina Yuan			
Job Number: 187412			
Date: 1/21/2022			
Time: 9:38 a.m.			
Location: South corner of intersection of Idaho Avenue and 24th Street			
Source of Peak Noise: Traffic along Idaho Avenue and 24th street, kids playing outdoor			
Noise Data			
Leq (dB)	Lmax(dB)	Lmin (dB)	Peak (dB)
53.5	67.2	40.5	87.3

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	09/09/2021	
	Microphone	Brüel & Kjær	4189	3086765	09/09/2021	
	Preamp	Brüel & Kjær	ZC 0032	25380	09/09/2021	
	Calibrator	Brüel & Kjær	4231	2545667	09/09/2021	
Weather Data						
Est.	Duration: 10 minutes			Sky: Clear		
	Note: dBA Offset = 0.01			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	0		52		30.24	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.6
Start Time:		01/20/2022 09:38:26
End Time:		01/20/2022 09:48:26
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.18

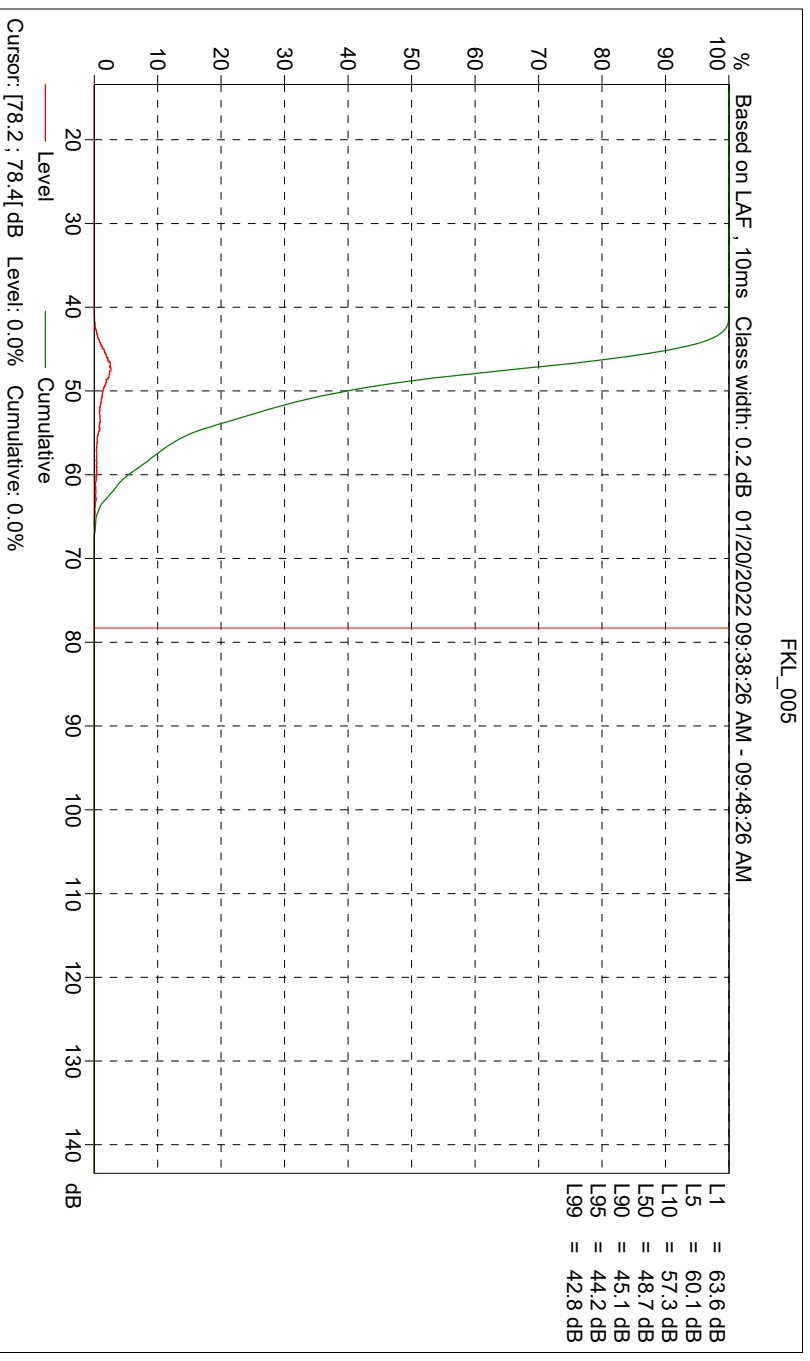
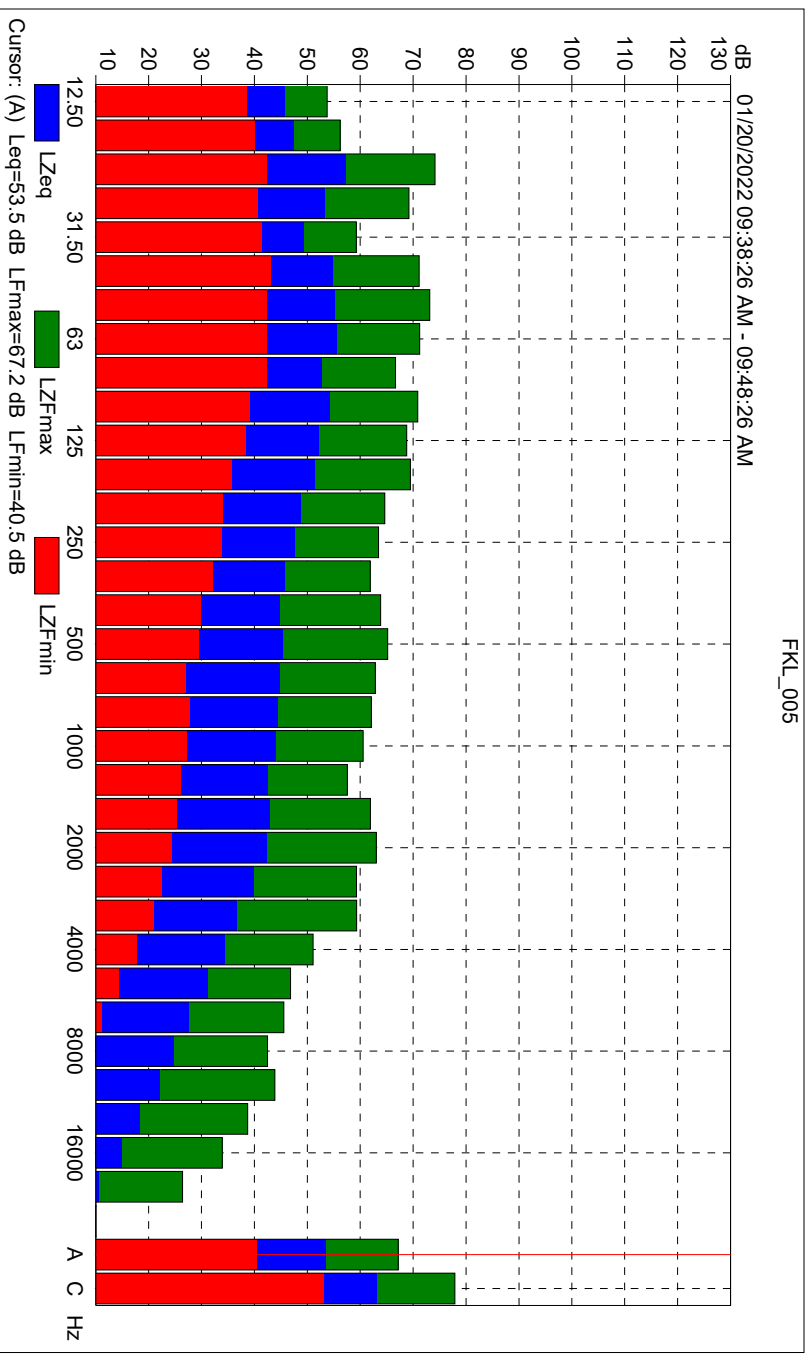
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

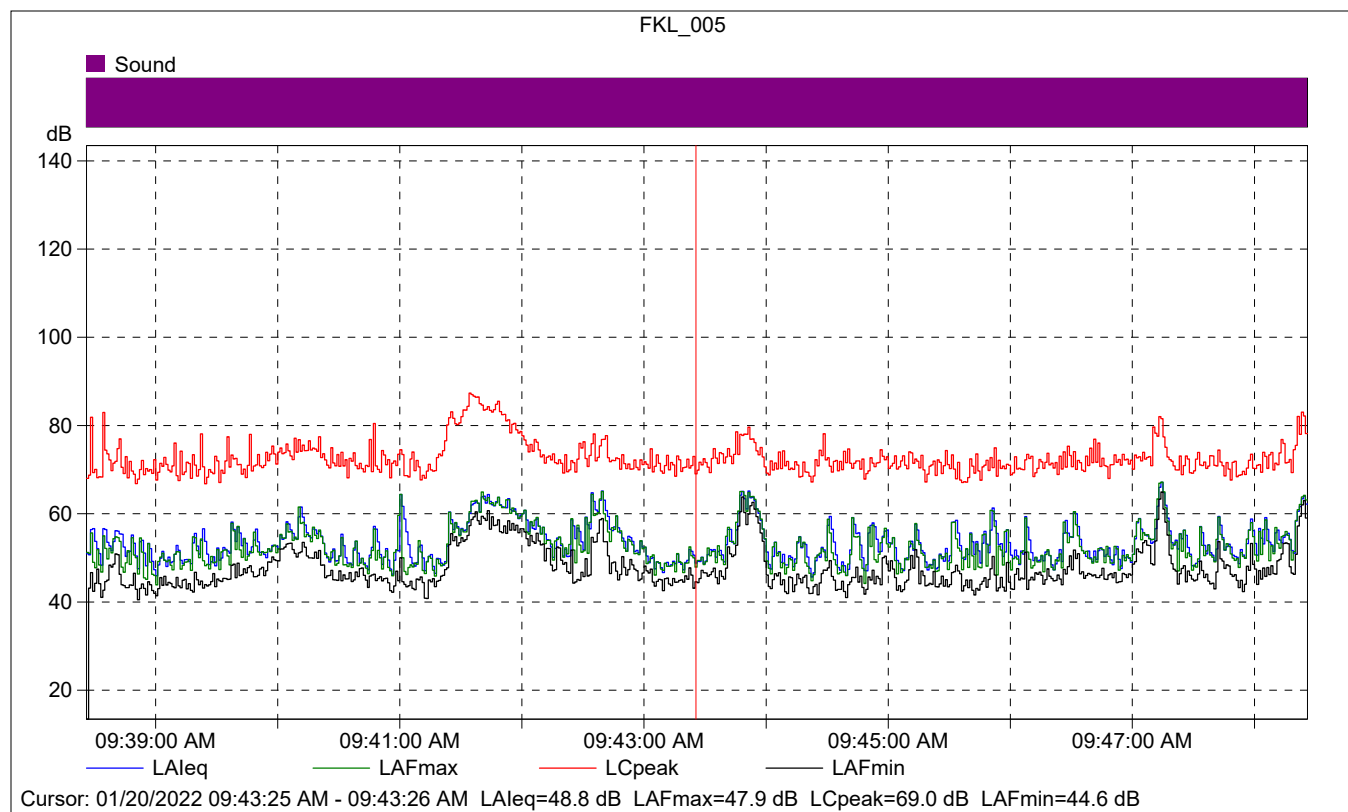
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		01/20/2022 06:34:29
Calibration Type:		External reference
Sensitivity:		43.3465950191021 mV/Pa

FKL_005

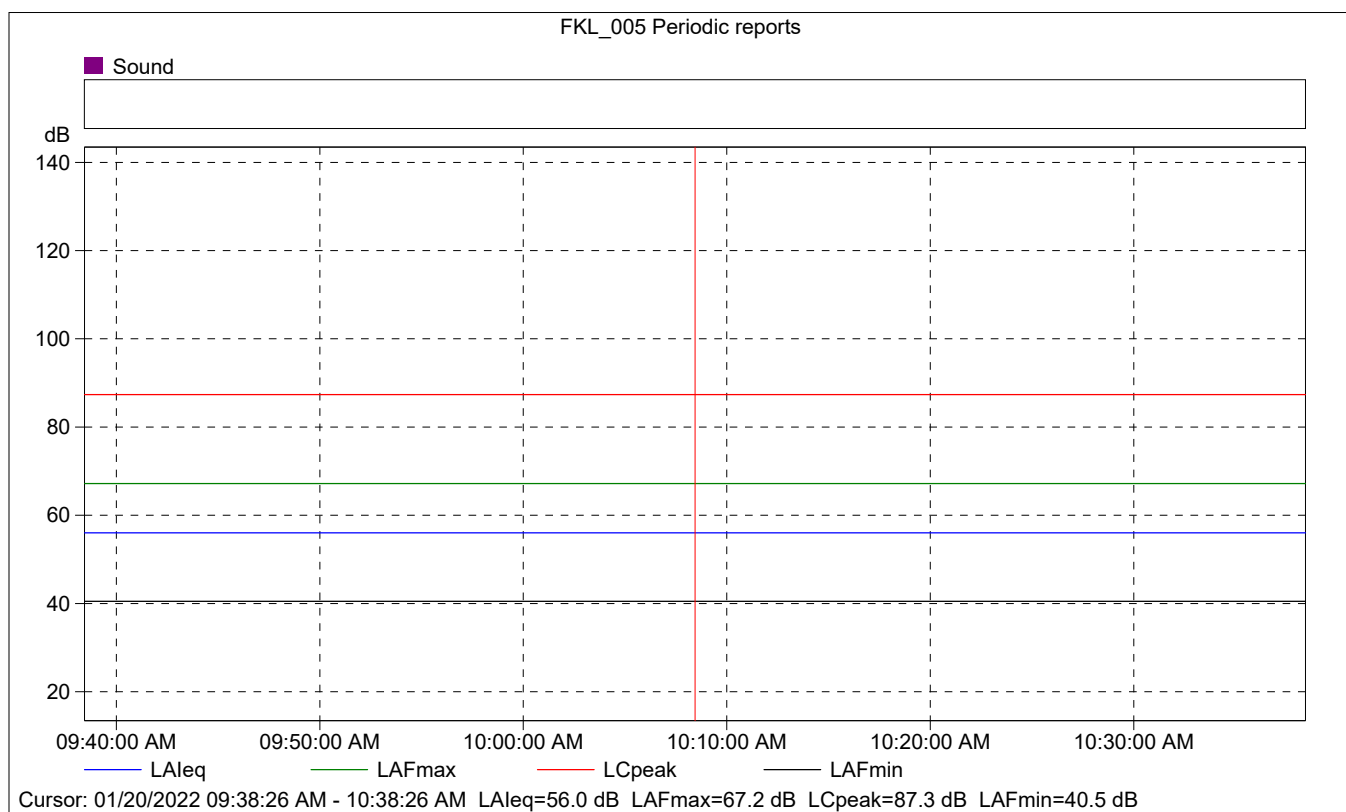
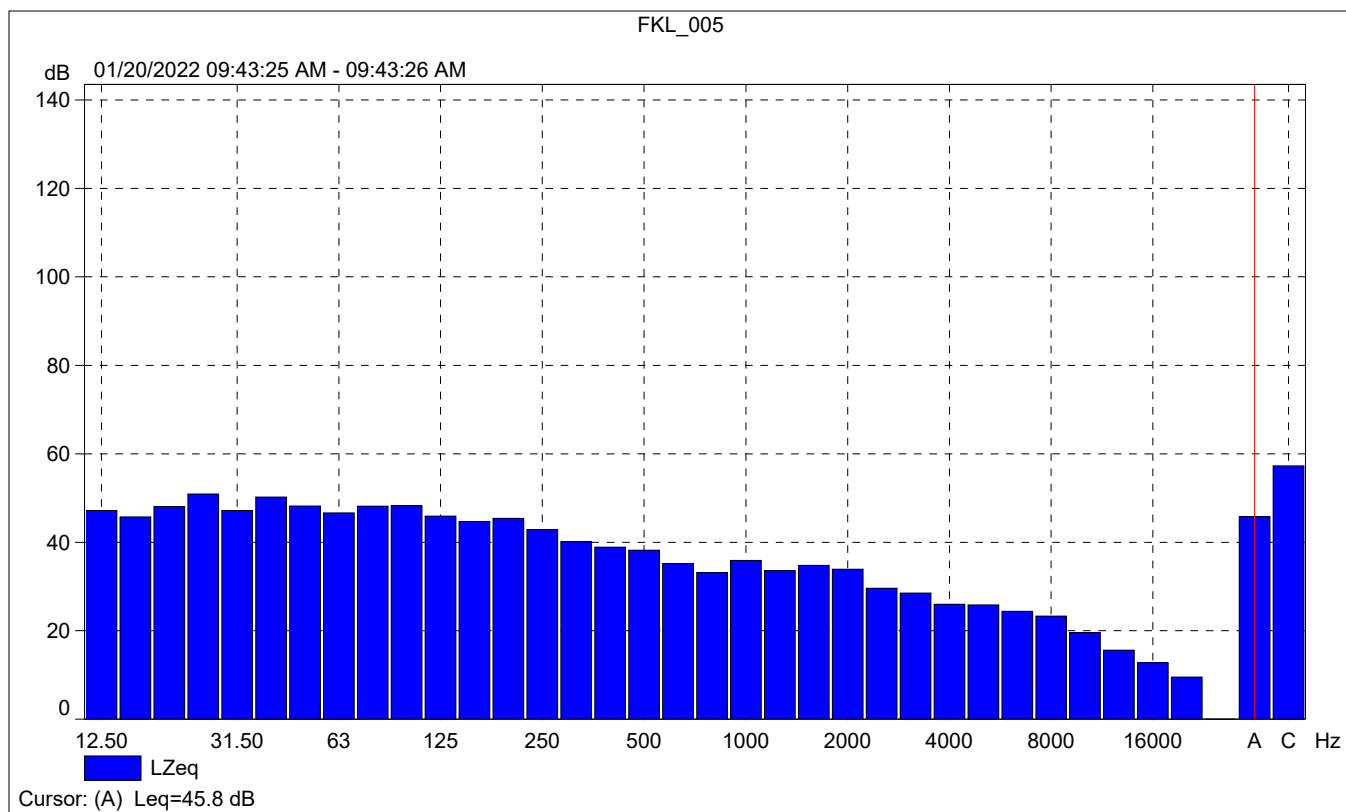
	Start time	End time	Elapsed time	Overload [%]	L _{Aeq} [dB]	L _A F _{max} [dB]	L _A F _{min} [dB]
Value				0.00	53.5	67.2	40.5
Time	09:38:26 AM	09:48:26 AM	0:10:00				
Date	01/20/2022	01/20/2022					





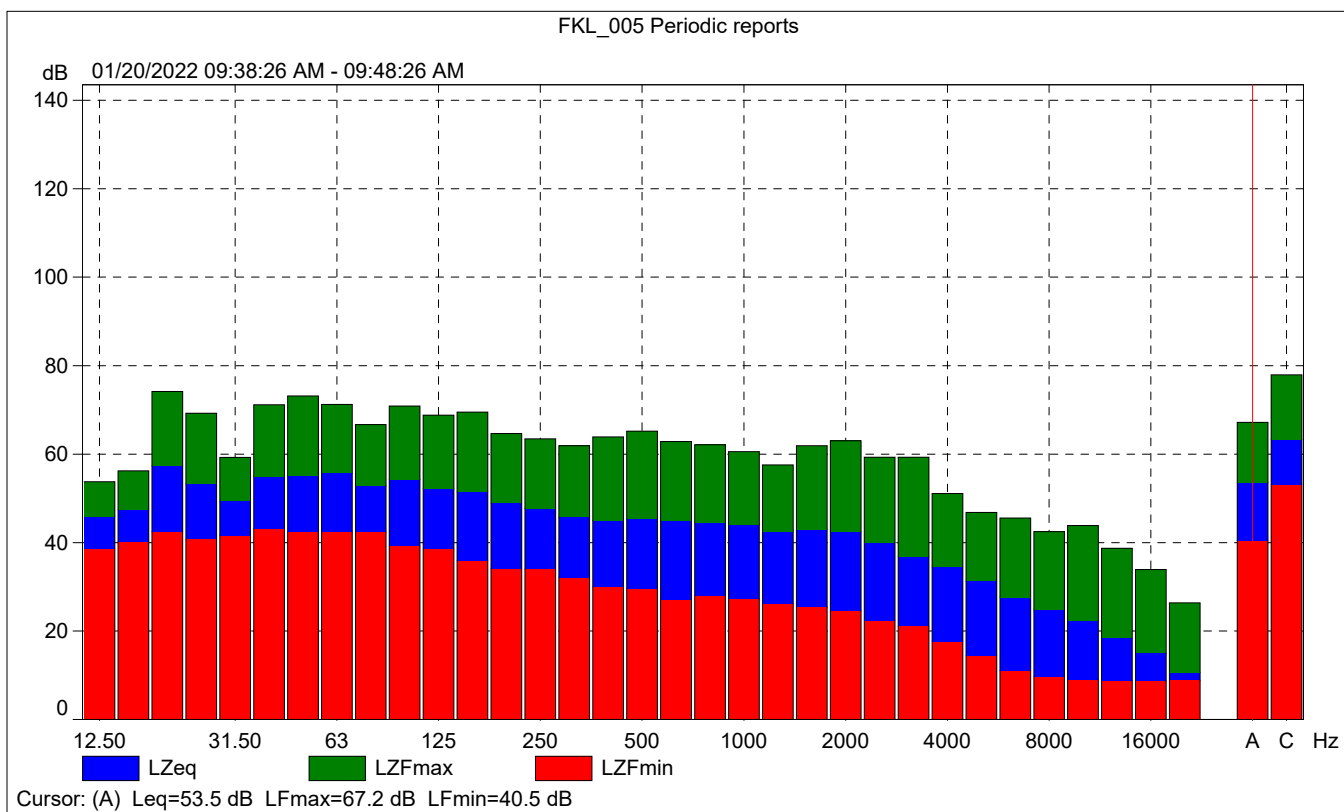
FKL_005

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			48.8	47.9	44.6
Time	09:43:25 AM	0:00:01			
Date	01/20/2022				

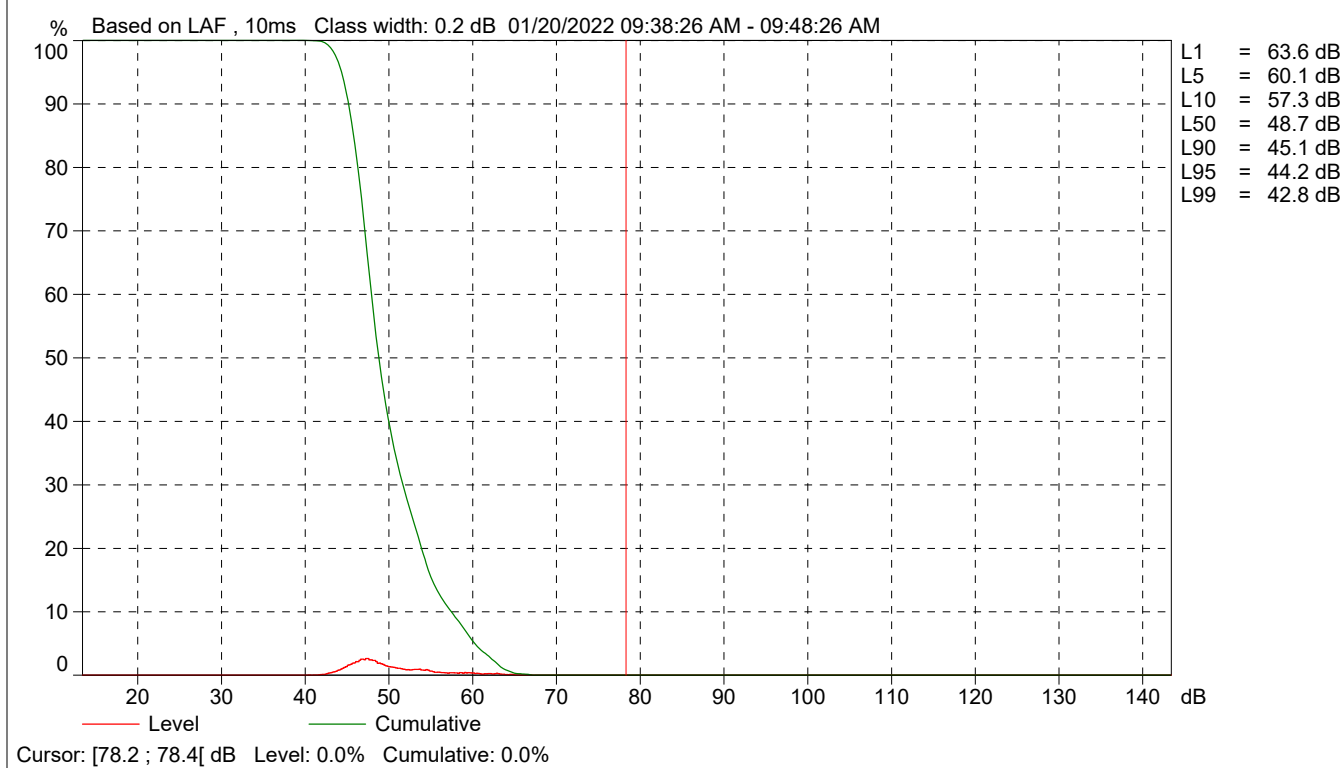


FKL_005 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	56.0	67.2	40.5
Time	09:38:26 AM	0:10:00				
Date	01/20/2022					



FKL_005 Periodic reports



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 1A Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R	Residential	100	100	100

		Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)	
	Impact Device	Spec Usage(%)	Actual Lmax (dBA)			
Description						
Tractor	No	40	84	205	0	
Tractor	No	40	84	205	0	
Tractor	No	40	84	205	0	
Dozer	No	40		81.7	205	0
Concrete Saw	No	20		89.6	205	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		77.3	70.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		77.3	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		*Calculated Lmax is the Loudest value.													

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 1A Grading

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R	Residential	100	100	100

			Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)		
Description						
Grader	No	40	85		205	0
Tractor	No	40	84		205	0
Tractor	No	40	84		205	0
Dozer	No	40		81.7	205	0

		Results																	
		Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)								
		Day			Evening			Night			Day			Evening			Night		
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
Grader		72.7	68.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Total		72.7	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
		*Calculated Lmax is the Loudest value.																	

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date #####

Case Descr Phase 1 Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R Residential		100	100	100

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	205	0
Pickup Truck	No	40		75	205	0
Generator	No	50		80.6	205	0
Tractor	No	40	84		205	0
Welder / Torch	No	40		74	205	0
Welder / Torch	No	40		74	205	0
Welder / Torch	No	40		74	205	0

Equipment	Calculated (dBA)		Results						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	68.3	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck	62.7	58.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	68.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.7	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.7	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	61.7	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	71.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date #####

Case Description Phase 1A Paving

---- Receptor #1 ----			
Baselines (dBA)			
Description	Land Use	Daytime	Evening Night
Sensitive R Residential		100	100 100

Equipment					
Description	Impact Device	Usage(%)	Spec	Actual	Receptor
			Lmax (dBA)	Lmax (dBA)	Distance (feet)
Tractor	No	40	84		205
Paver	No	50		77.2	205
Paver	No	50		77.2	205
Roller	No	20		80	205
Concrete Mixer Truck	No	40		78.8	205

Results														
Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
Equipment	Day		Evening		Night		Day	Evening		Night	Evening		Night	Leq
	*Lmax	Leq	Lmax	Leq	Lmax	Leq		Lmax	Leq		Lmax	Leq	Lmax	
Tractor	71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.7	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	70.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
		Day		Evening		Night		Day		Evening		Night
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.												

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 4 Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R Residential		100	100	100

		Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
Description	Impact Device	Usage(%)	Spec Lmax (dBA)		
Tractor	No	40	84	205	0
Tractor	No	40	84	205	0
Dozer	No	40		81.7	0
Concrete Saw	No	20		89.6	0

		Results								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Noise Limits (dBA)						Day		Evening		Night	
Equipment		*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		77.3	70.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		77.3	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 4 Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R Residential		100	100	100

		Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
Description	Impact Device	Usage(%)	Spec Lmax (dBA)		
Tractor	No	40	84	205	0
Tractor	No	40	84	205	0
Dozer	No	40		81.7	0
Concrete Saw	No	20		89.6	0

		Results								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Noise Limits (dBA)						Day		Evening		Night	
Equipment		*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		77.3	70.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		77.3	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 1A Grading

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R	Residential	100	100	100

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
		Device	Usage(%)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No		40	85	205	0
Tractor	No		40	84	205	0
Dozer	No		40		81.7	205

Results

		Calculated (dBA)		Noise Limits (dBA)					Noise Limit Exceedance (dBA)					
				Day		Evening		Night	Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		72.7	68.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		72.7	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 1A Grading

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R	Residential	100	100	100

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85		205	0
Tractor	No	40	84		205	0
Dozer	No	40		81.7	205	0

Results

		Calculated (dBA)		Noise Limits (dBA)					Noise Limit Exceedance (dBA)					
				Day		Evening		Night	Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Grader		72.7	68.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		72.7	73.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 1B Paving

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Sensitive R Residential		100	100	100

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
		Device	Usage(%)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Paver	No		50	77.2	205	0
Roller	No		20	80	205	0
Concrete Mixer Truck	No		40	78.8	205	0
Concrete Mixer Truck	No		40	78.8	205	0
Concrete Mixer Truck	No		40	78.8	205	0
Concrete Mixer Truck	No		40	78.8	205	0
Tractor	No		40	84	205	0

Results

Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	67.7	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	71.7	72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 2-4 Demolition

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	100	100	100

		Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
Description	Impact Device	Usage(%)	Spec Lmax (dBA)		
Tractor	No	40	84	205	0
Tractor	No	40	84	205	0
Dozer	No	40		81.7	0
Concrete Saw	No	20		89.6	0

		Results								Noise Limit Exceedance (dBA)					
		Calculated (dBA)		Noise Limits (dBA)						Day		Evening		Night	
Equipment		*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw		77.3	70.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		77.3	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date #####

Case Descr Phase 2-4 Grading

---- Receptor #1 ----

Baselines (dBA)

Descriptor	Land Use	Daytime	Evening	Night
Residential	Residential	100	100	100

Equipment

Description	Impact Device	Spec	Actual	Receptor	Estimated
		Lmax Usage(%) (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85	205	0
Tractor	No	40	84	205	0
Dozer	No	40	81.7	205	0

Results

		Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
Equipment		*Lmax	Leq	Day	Evening		Night	Day	Evening		Night		
				Lmax	Leq	Leq	Lmax	Leq	Lmax	Leq	Leq	Lmax	Leq
Grader		72.7	68.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		72.7	72.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.													

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 2-4 Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	100	100	100

		Equipment					
	Impact		Spec	Actual	Receptor	Estimated	
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)	
Crane	No		16		80.6	205	0
Pickup Truck	No		40		75	205	0
Pickup Truck	No		40		75	205	0
Tractor	No		40	84		205	0
Tractor	No		40	84		205	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane		68.3	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck		62.7	58.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck		62.7	58.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		71.7	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: #####

Case Description: Phase 2-4 Paving

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	100	100	100

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Tractor	No	40	84		205	0
Paver	No	50		77.2	205	0
Roller	No	20		80	205	0
Concrete Mixer Truck	No	40		78.8	205	0
Concrete Mixer Truck	No	40		78.8	205	0
Concrete Mixer Truck	No	40		78.8	205	0
Concrete Mixer Truck	No	40		78.8	205	0

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		71.7	67.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver		65	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		67.7	60.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck		66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck		66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck		66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck		66.5	62.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total		71.7	72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date #####

Case Descr Phase 2-4

---- Receptor #1 ----

Baselines (dBA)

Descriptor	Land Use	Daytime	Evening	Night
Residential	Residential	100	100	100

Equipment

			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	205	0

Results

Calculated (dBA)

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

	Day				Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.4	61.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*Calculated Lmax is the Loudest value.														

*Calculated Lmax is the Loudest value.