



11.5 Noise Analysis

Site Number: Tina Pacific #1			
Recorded By: Danielle Regimbal			
Job Number: 170136			
Date: December 11, 2018			
Time: 14:00			
Location: Northeast corner of the Pacific Avenue and Magnolia Avenue intersection.			
Source of Peak Noise: Traffic, military helicopter, car sound system, train horn			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
69.4	48.1	89.4	91.4

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	3/29/2018	
	Microphone	Brüel & Kjær	4189	3086765	3/26/2018	
	Preamp	Brüel & Kjær	ZC 0032	25380	3/29/2018	
	Calibrator	Brüel & Kjær	4231	2545667	3/28/2018	
Weather Data						
Est.	Duration: 10 minutes			Sky: clear, sunny		
	Note: dBA Offset = 0.0			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	ssw 4 mph		68		30.01 inHg	

Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		12/11/2018 13:59:42
End Time:		12/11/2018 14:09:42
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.12

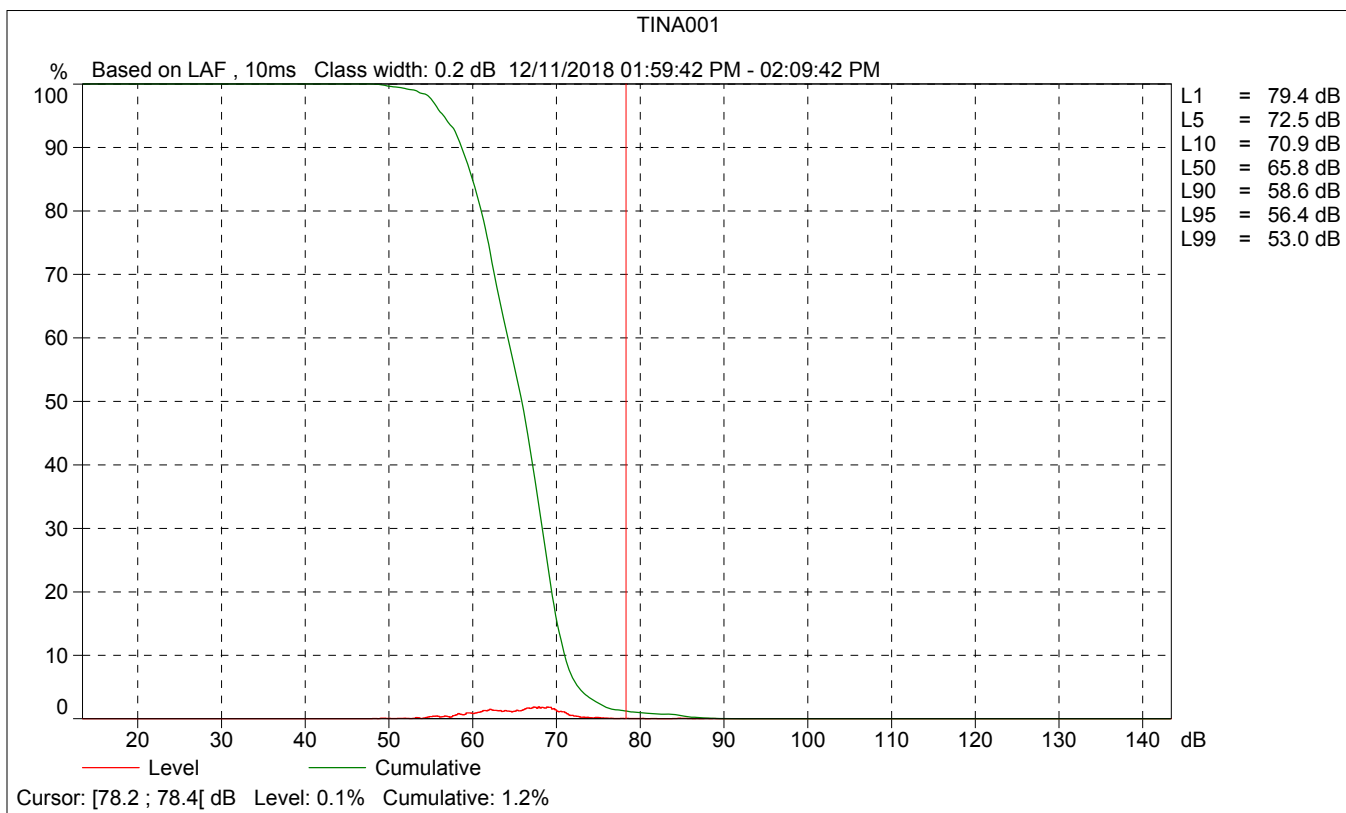
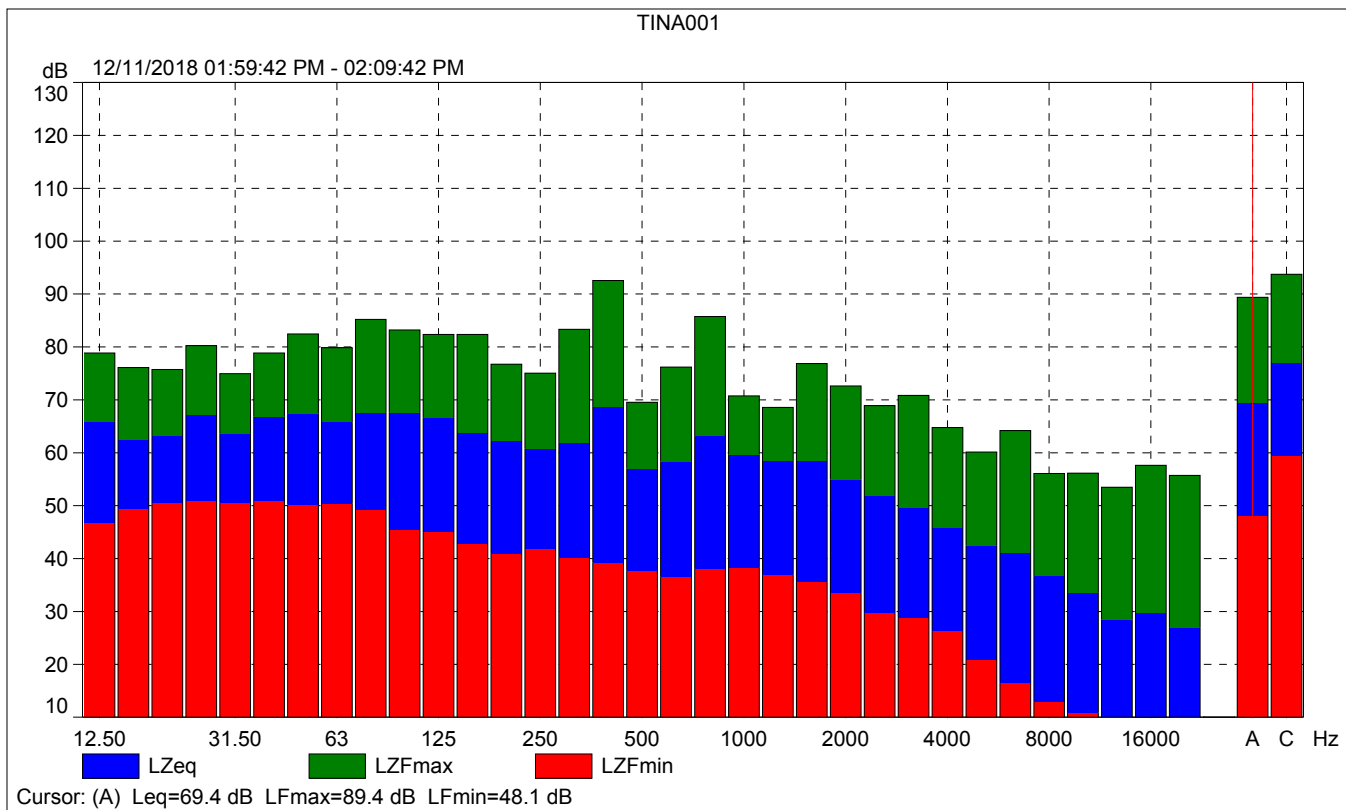
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

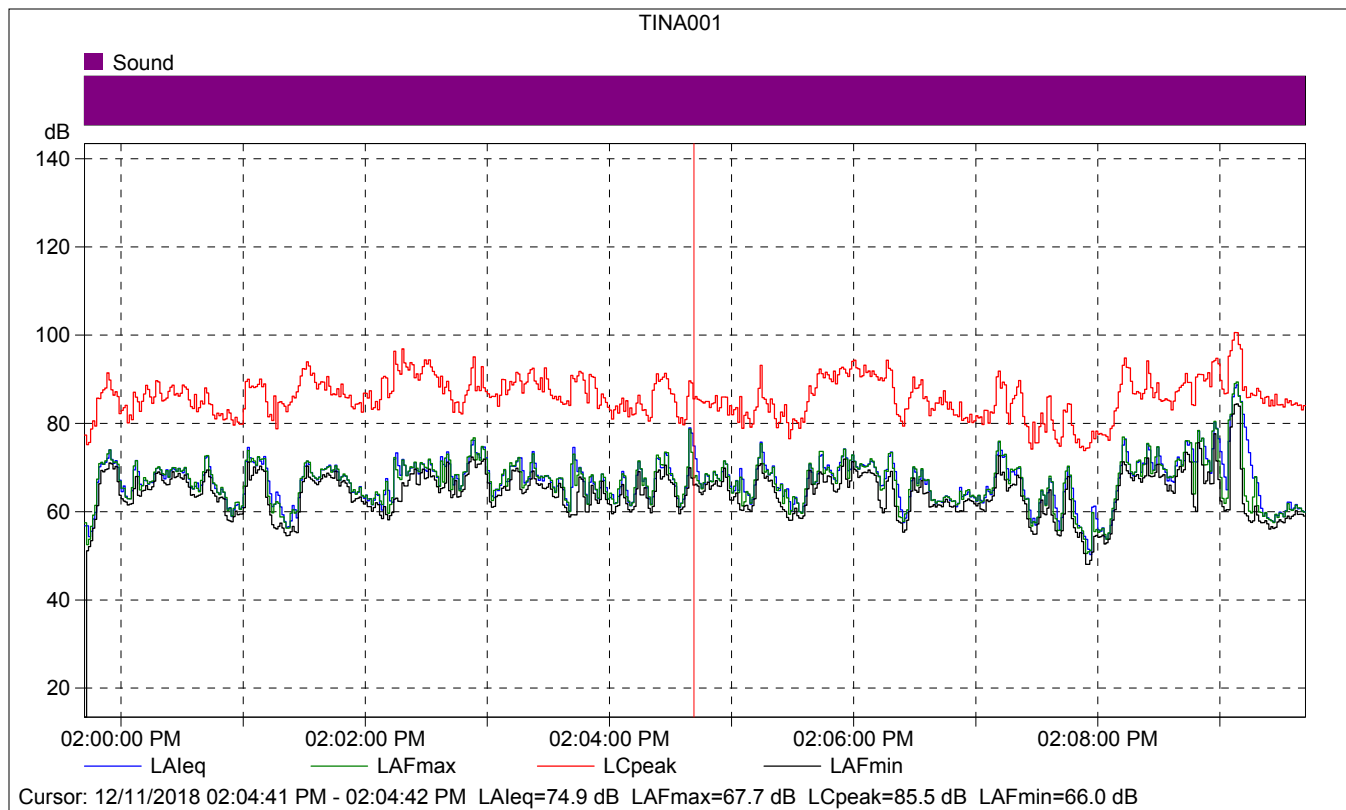
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/11/2018 10:08:32
Calibration Type:		External reference
Sensitivity:		43.605875223875 mV/Pa

TINA001

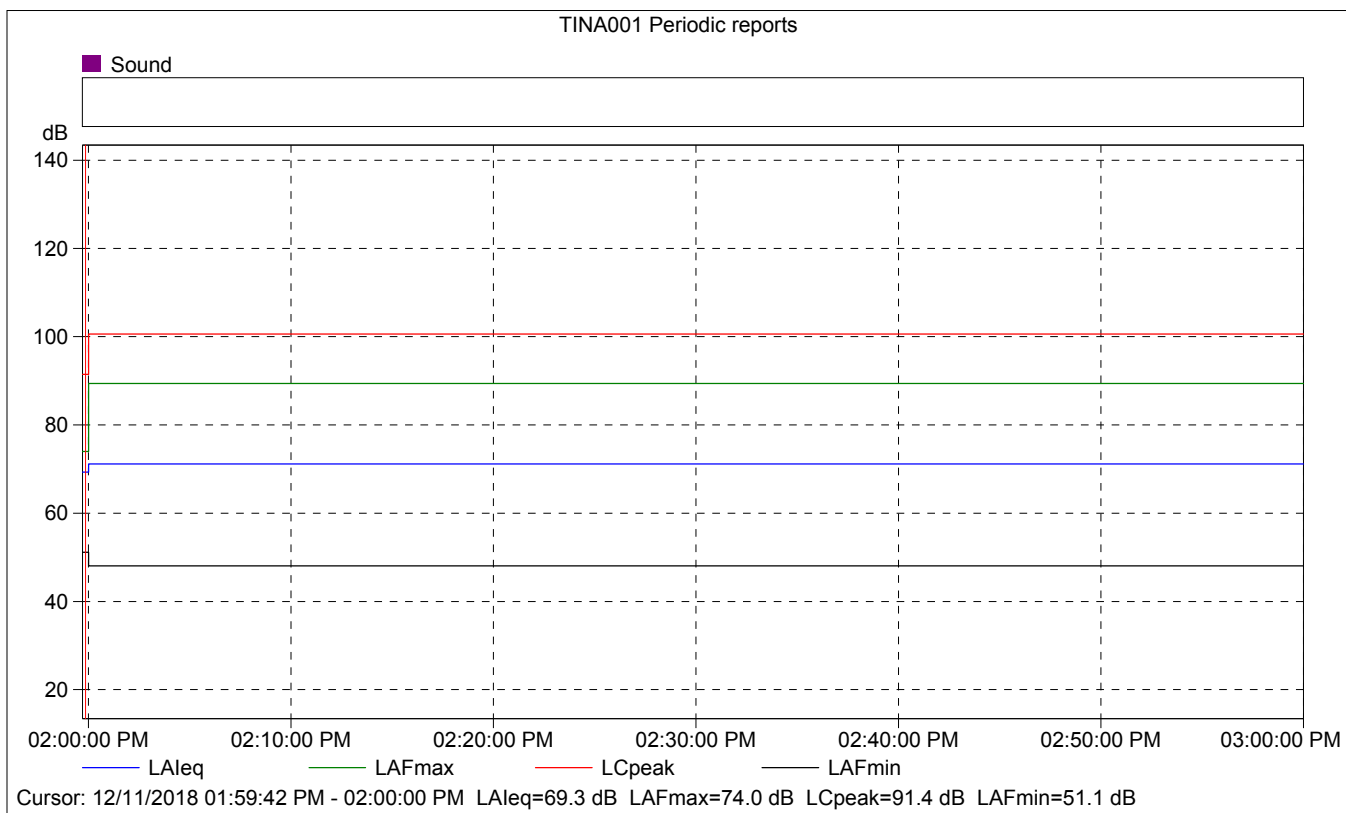
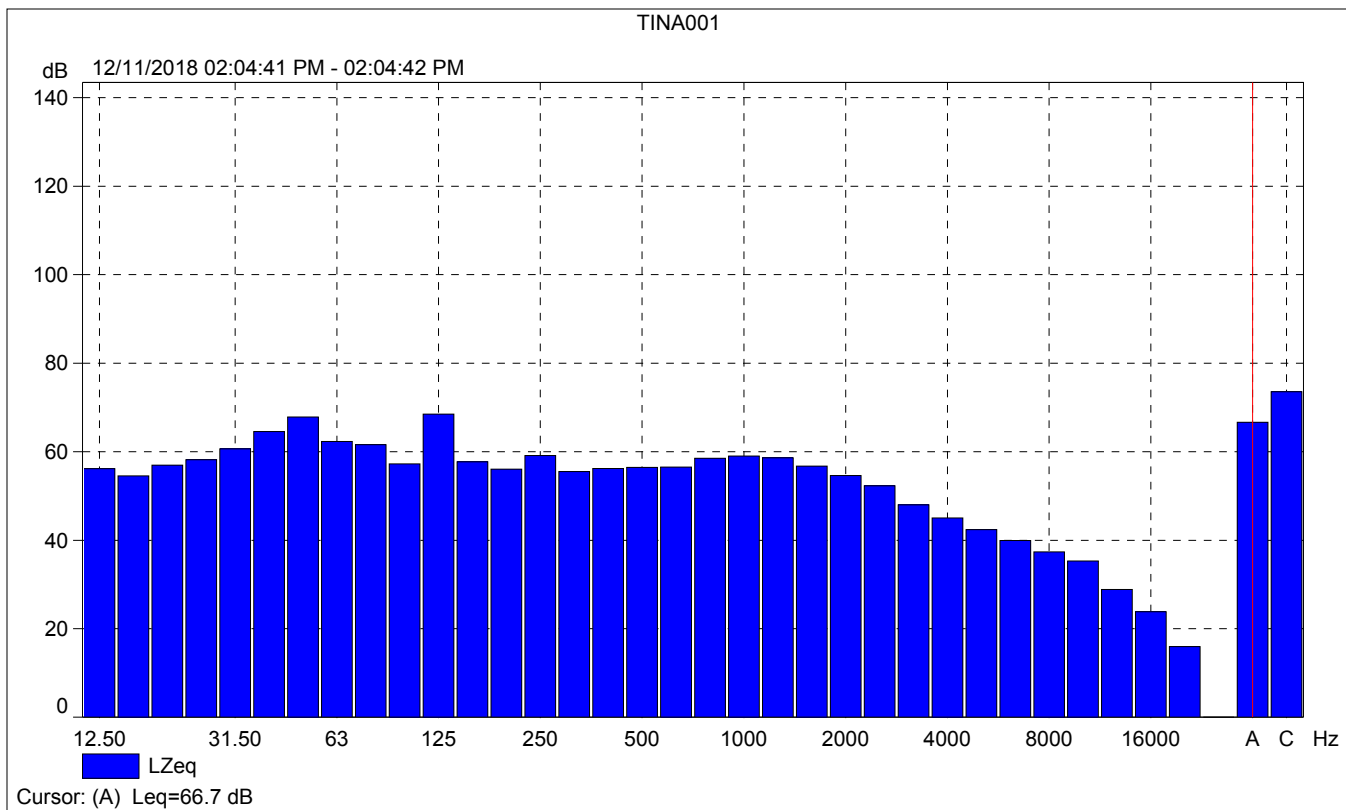
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	69.4	89.4	48.1
Time	01:59:42 PM	02:09:42 PM	0:10:00				
Date	12/11/2018	12/11/2018					





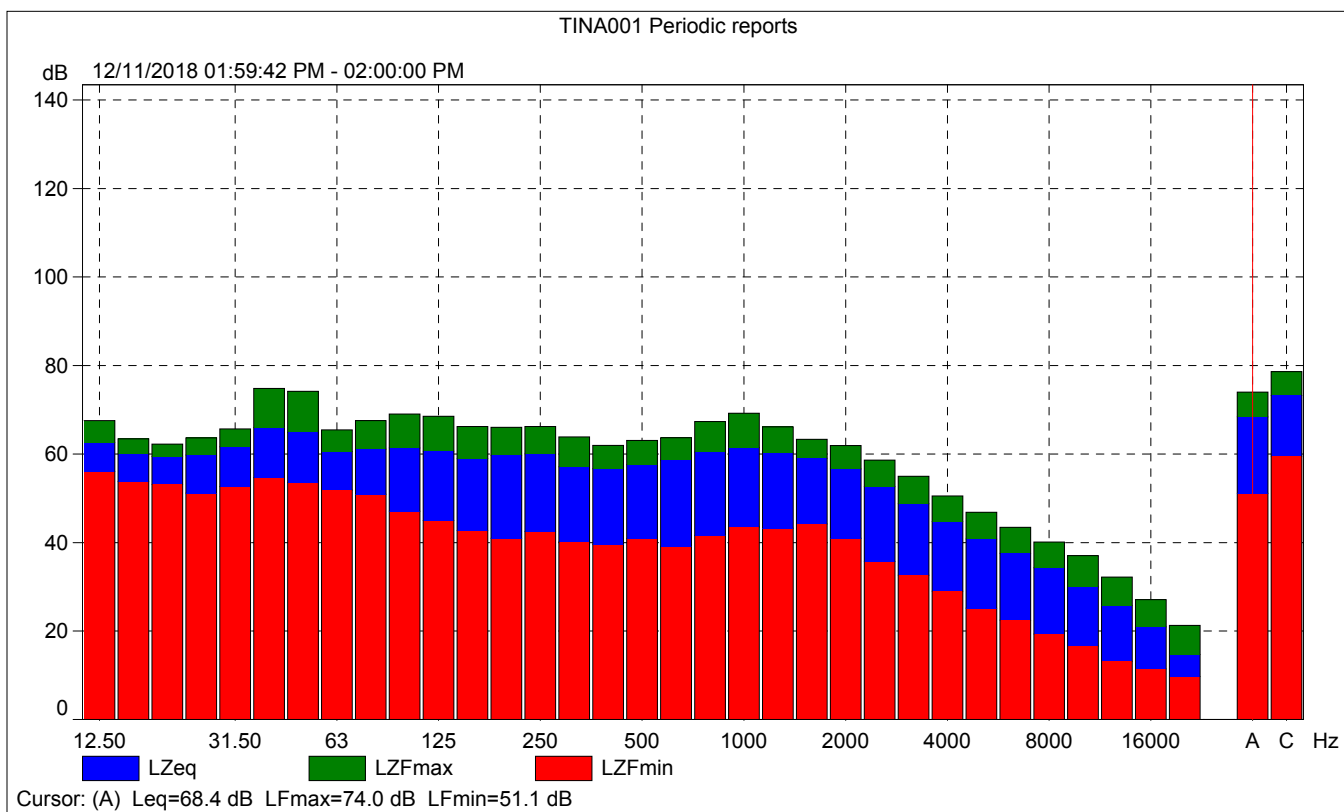
TINA001

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			74.9	67.7	66.0
Time	02:04:41 PM	0:00:01			
Date	12/11/2018				

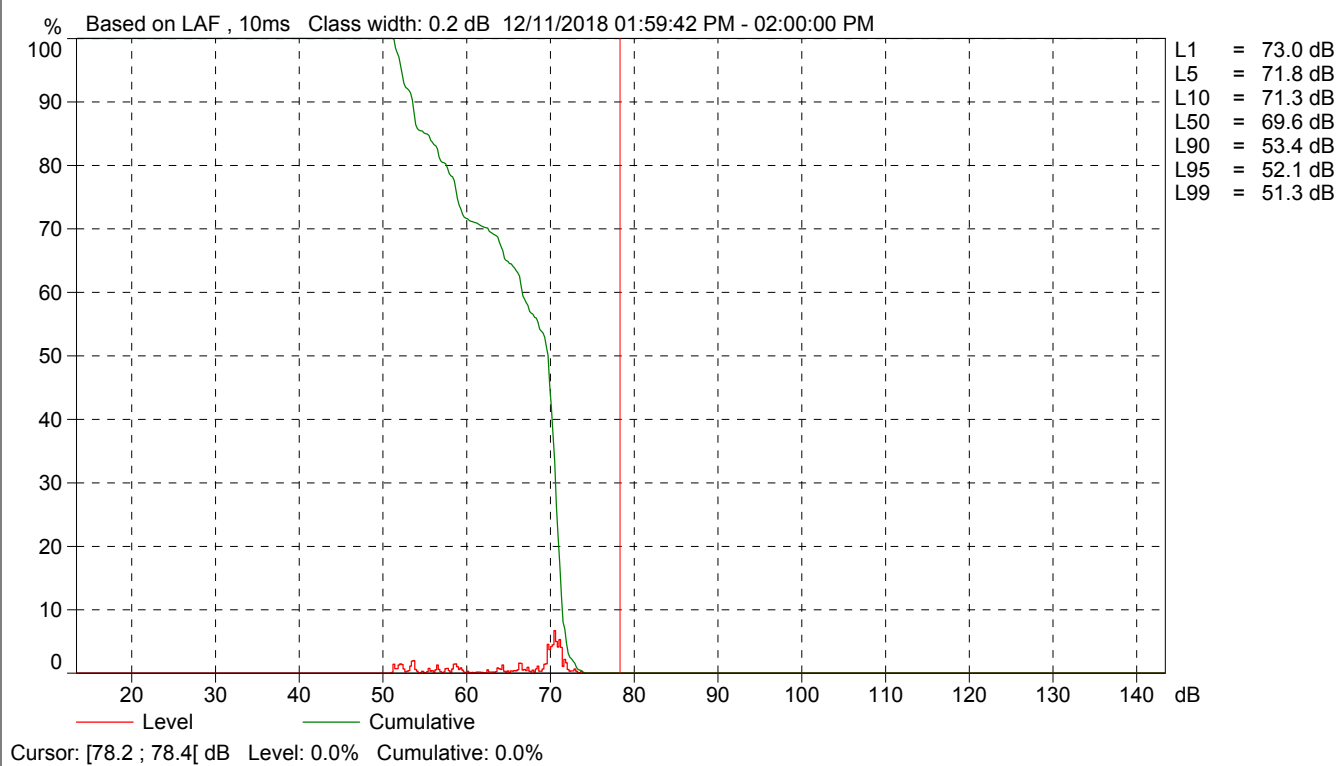


TINA001 Periodic reports

	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	69.3	74.0	51.1
Time	01:59:42 PM	0:00:18				
Date	12/11/2018					



TINA001 Periodic reports



Site Number: Tina Pacific #2			
Recorded By: Danielle Regimbal			
Job Number: 170136			
Date: December 11, 2018			
Time: 14:18			
Location: Lawn in front of 8850 Pacific Avenue.			
Source of Peak Noise: Cars driving by, motorcycle, military helicopter, people talking			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
51.7	41.4	71.7	87.5

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	3/29/2018	
	Microphone	Brüel & Kjær	4189	3086765	3/26/2018	
	Preamp	Brüel & Kjær	ZC 0032	25380	3/29/2018	
	Calibrator	Brüel & Kjær	4231	2545667	3/28/2018	
Weather Data						
Est.	Duration: 10 minutes			Sky: clear, sunny		
	Note: dBA Offset = 0.0			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	ssw 4 mph		68		30.01 inHg	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		12/11/2018 14:16:43
End Time:		12/11/2018 14:26:43
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.12

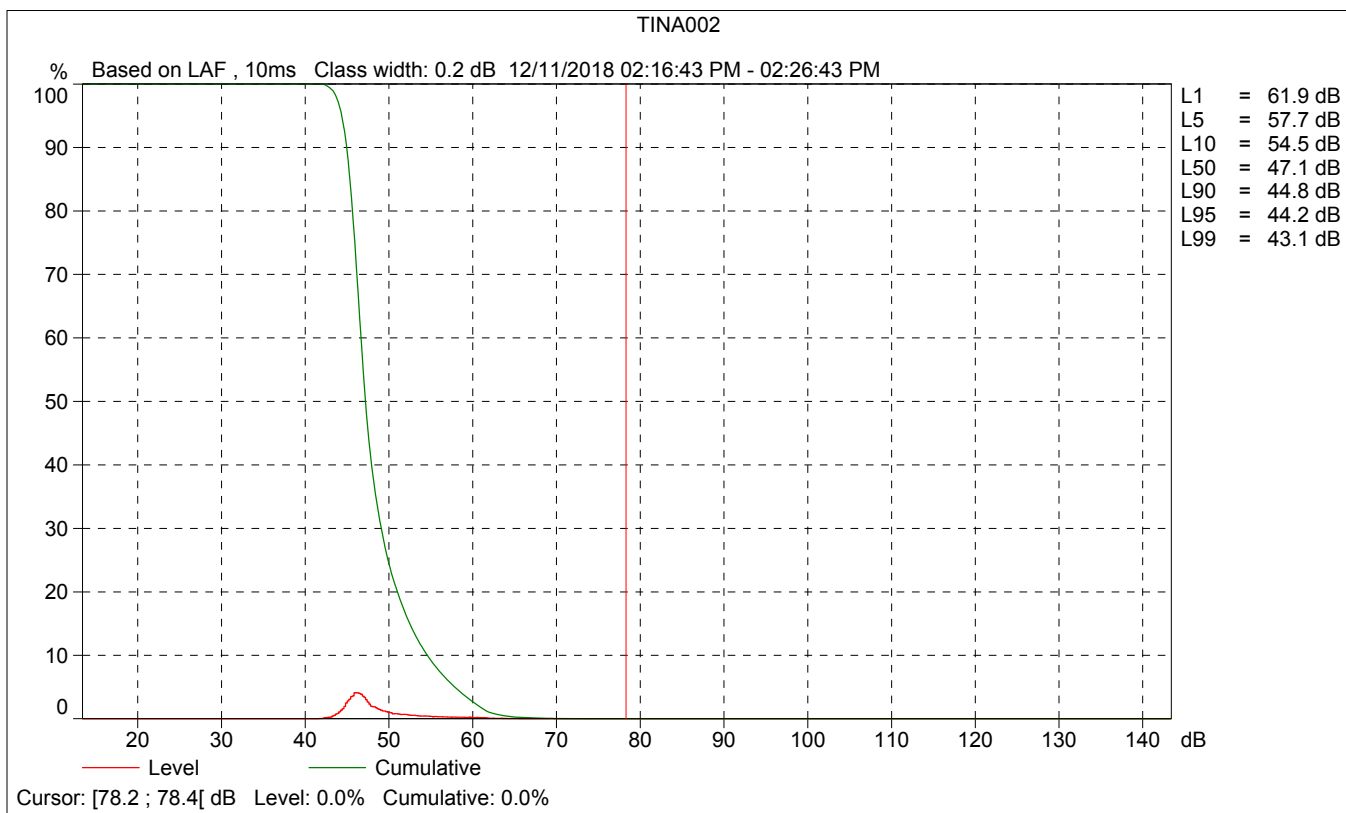
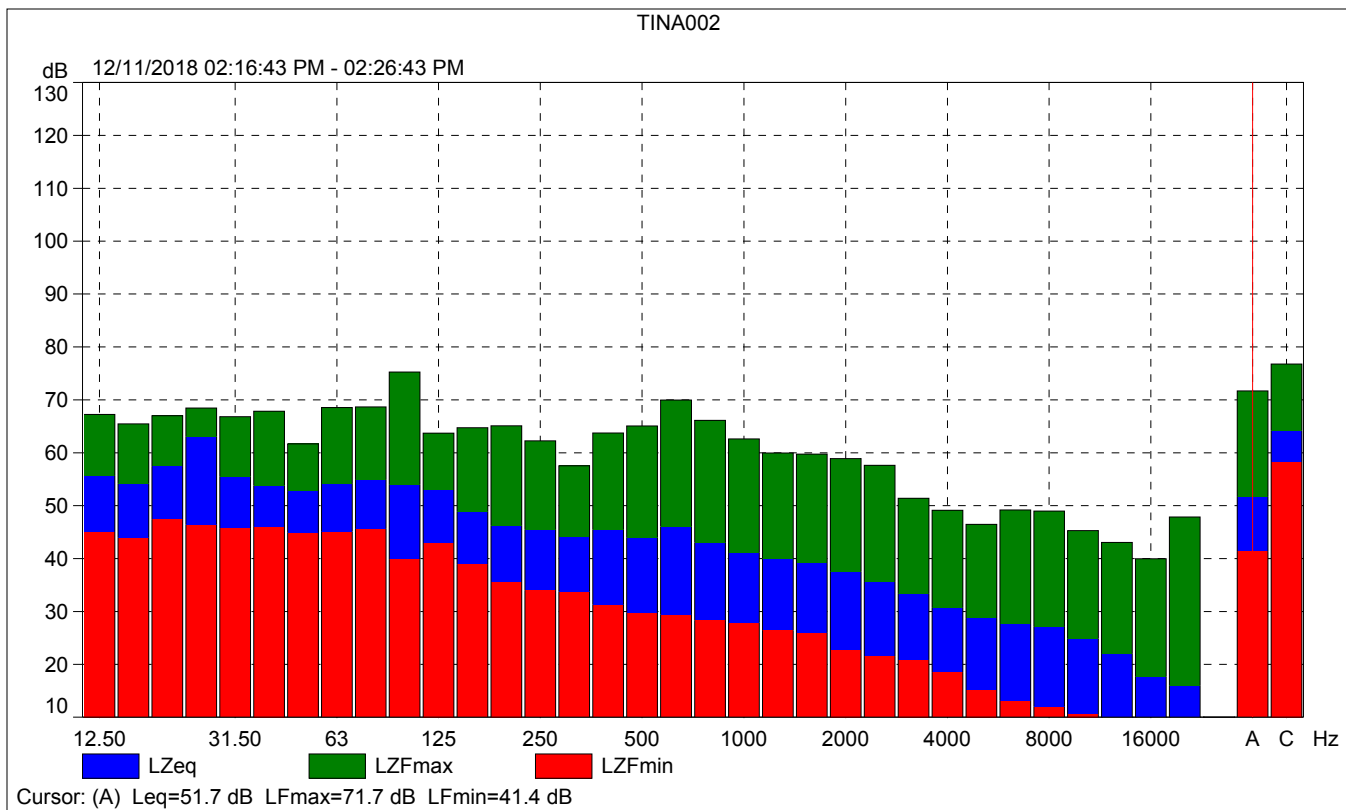
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

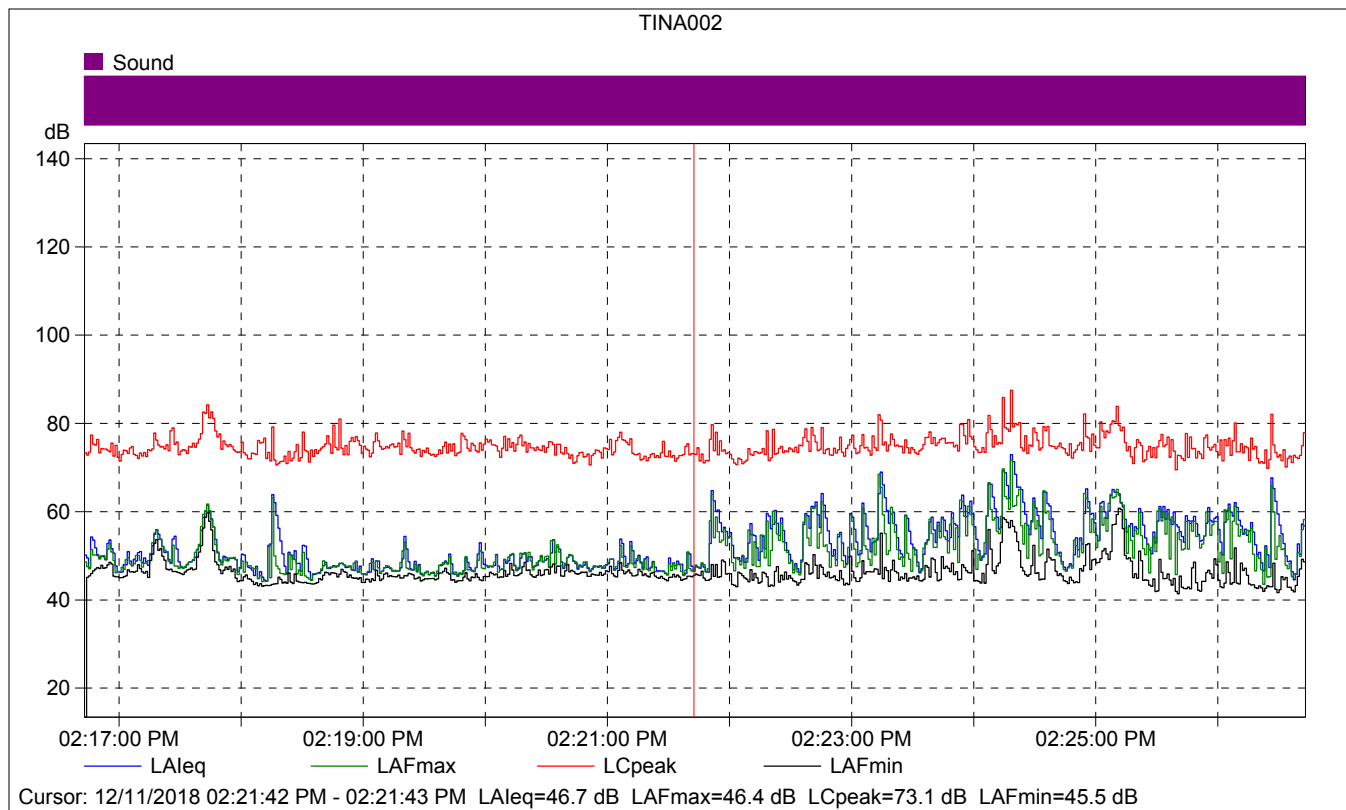
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/11/2018 10:08:32
Calibration Type:		External reference
Sensitivity:		43.605875223875 mV/Pa

TINA002

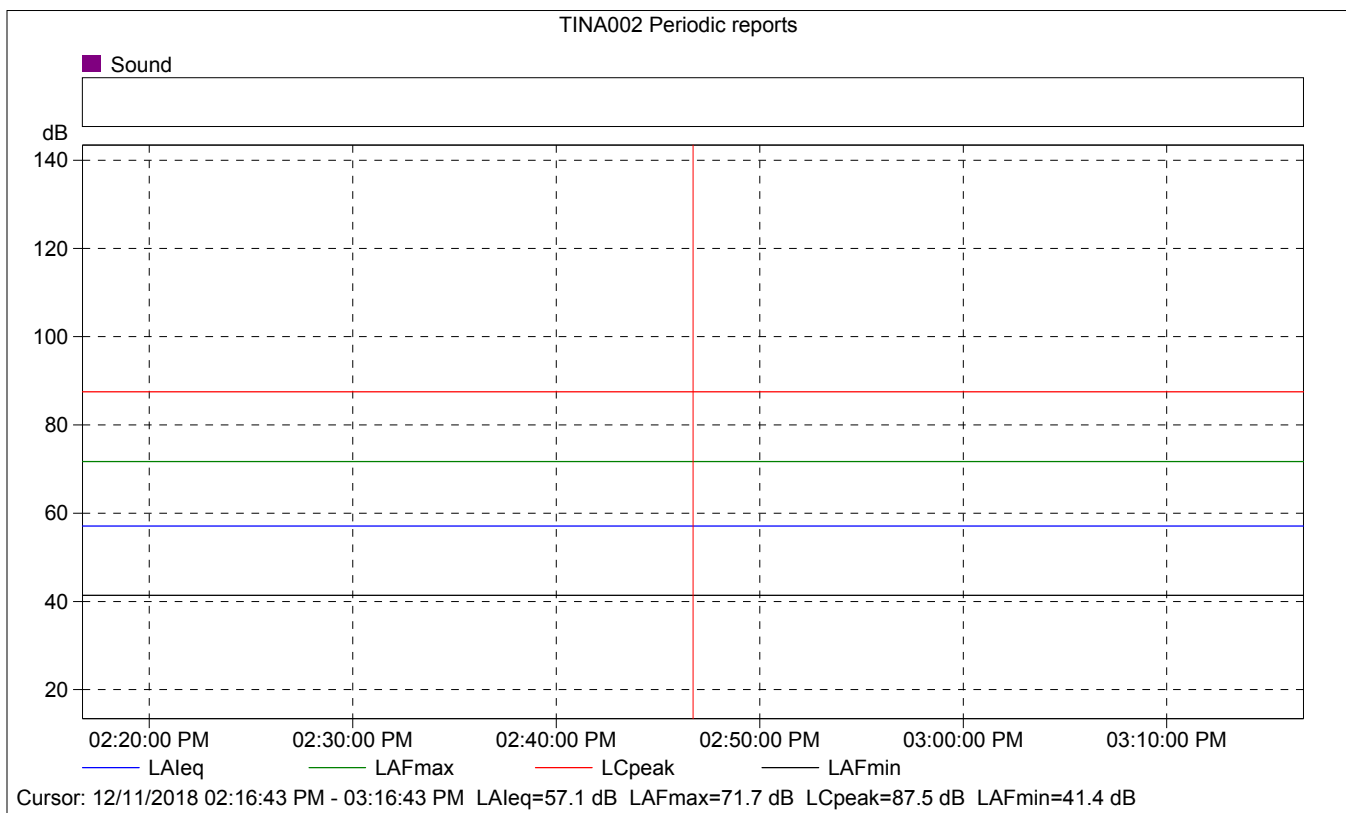
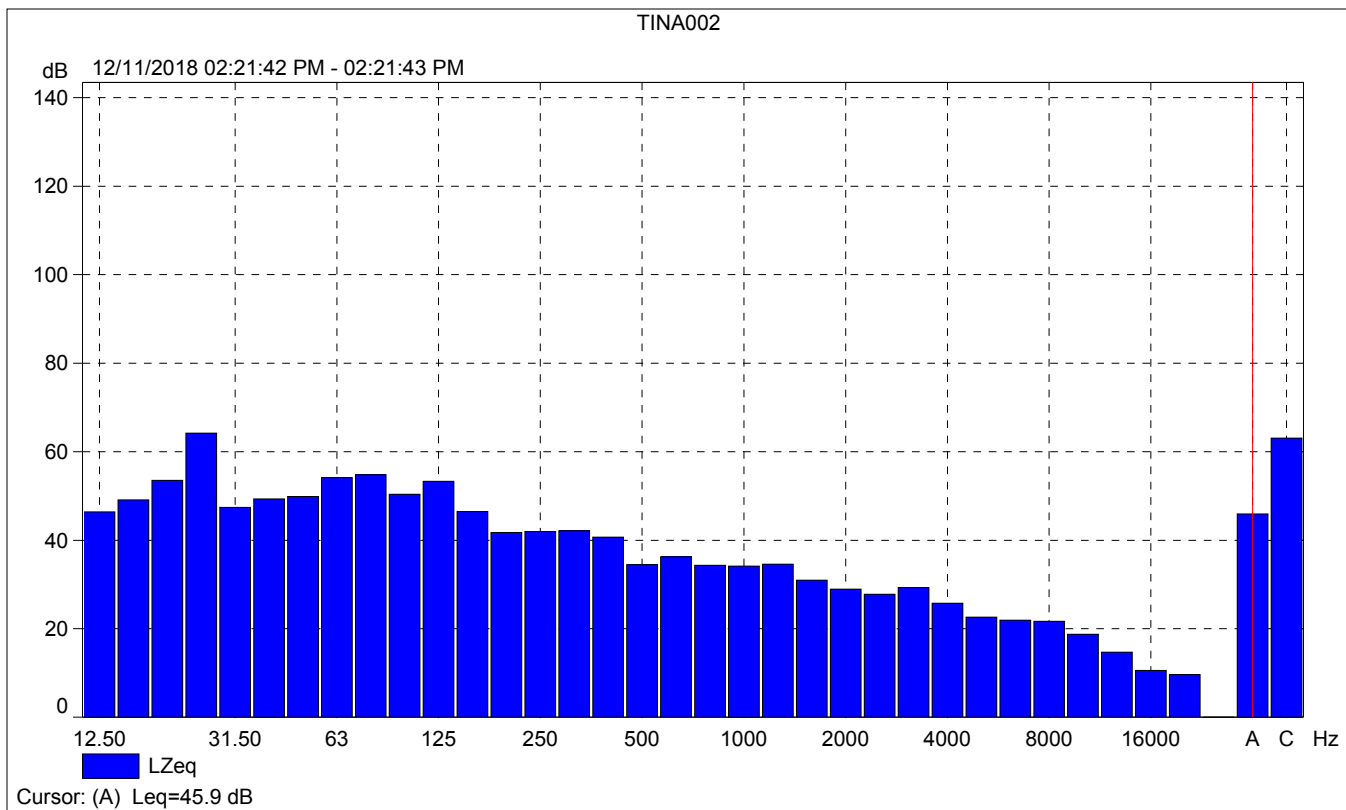
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	51.7	71.7	41.4
Time	02:16:43 PM	02:26:43 PM	0:10:00				
Date	12/11/2018	12/11/2018					





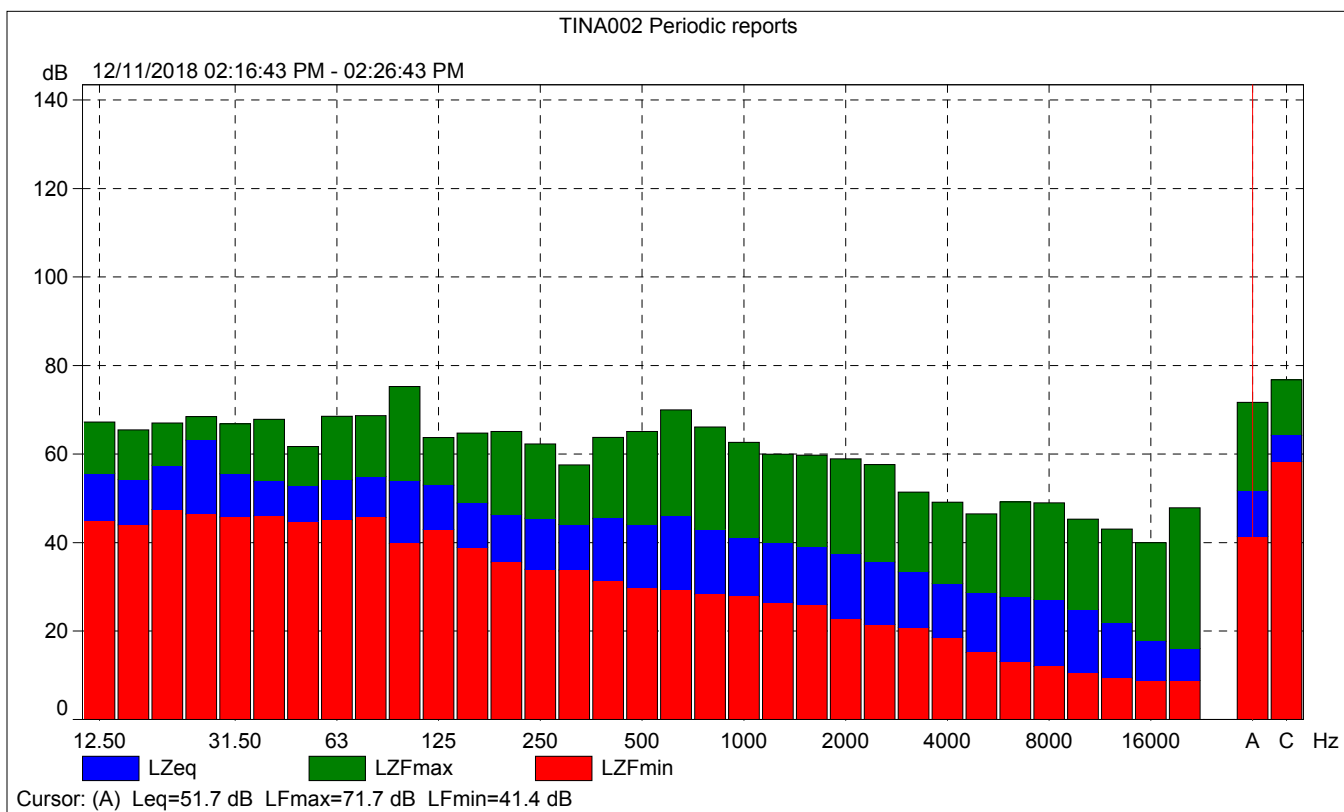
TINA002

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			46.7	46.4	45.5
Time	02:21:42 PM	0:00:01			
Date	12/11/2018				



TINA002 Periodic reports

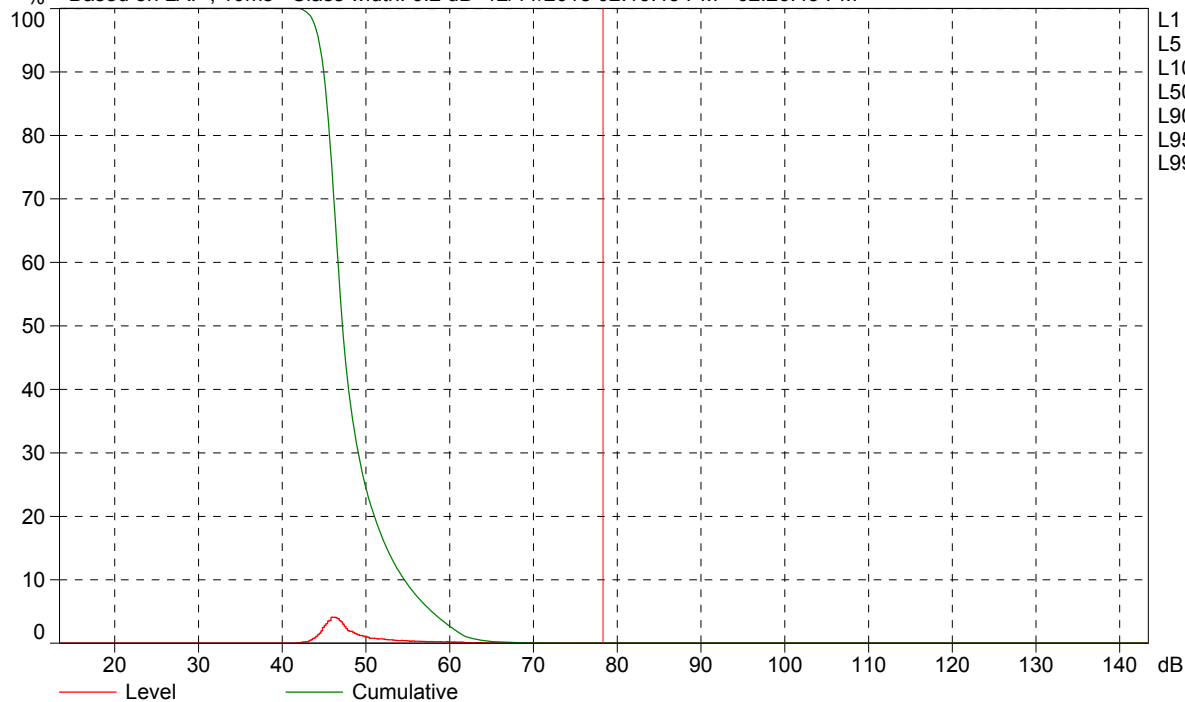
	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	57.1	71.7	41.4
Time	02:16:43 PM	0:10:00				
Date	12/11/2018					





TINA002 Periodic reports

% Based on LAF, 10ms Class width: 0.2 dB 12/11/2018 02:16:43 PM - 02:26:43 PM



- L1 = 61.9 dB
- L5 = 57.7 dB
- L10 = 54.5 dB
- L50 = 47.1 dB
- L90 = 44.8 dB
- L95 = 44.2 dB
- L99 = 43.1 dB

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

Site Number: Tina Pacific #3			
Recorded By: Danielle Regimbal			
Job Number: 170136			
Date: December 11, 2018			
Time: 14:33			
Location: Verona Street col-de-sac.			
Source of Peak Noise: Piece of wood falling at residence			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
47.6	39.3	72.8	88.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	3/29/2018	
	Microphone	Brüel & Kjær	4189	3086765	3/26/2018	
	Preamp	Brüel & Kjær	ZC 0032	25380	3/29/2018	
	Calibrator	Brüel & Kjær	4231	2545667	3/28/2018	
Weather Data						
Est.	Duration: 10 minutes			Sky: clear, sunny		
	Note: dBA Offset = 0.0			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	ssw 4 mph		68		30.01 inHg	

Photo of Measurement Location



2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		12/11/2018 14:32:32
End Time:		12/11/2018 14:42:32
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.12

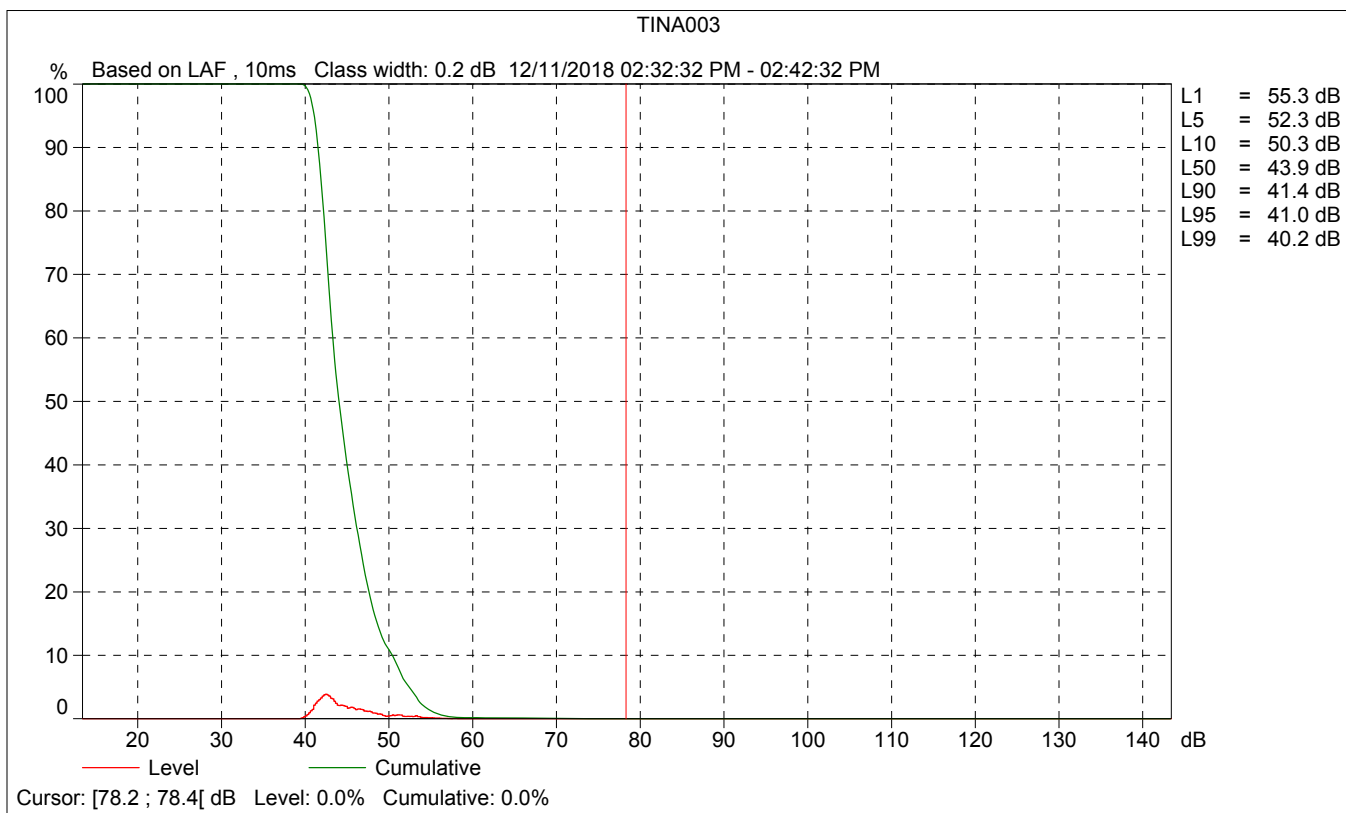
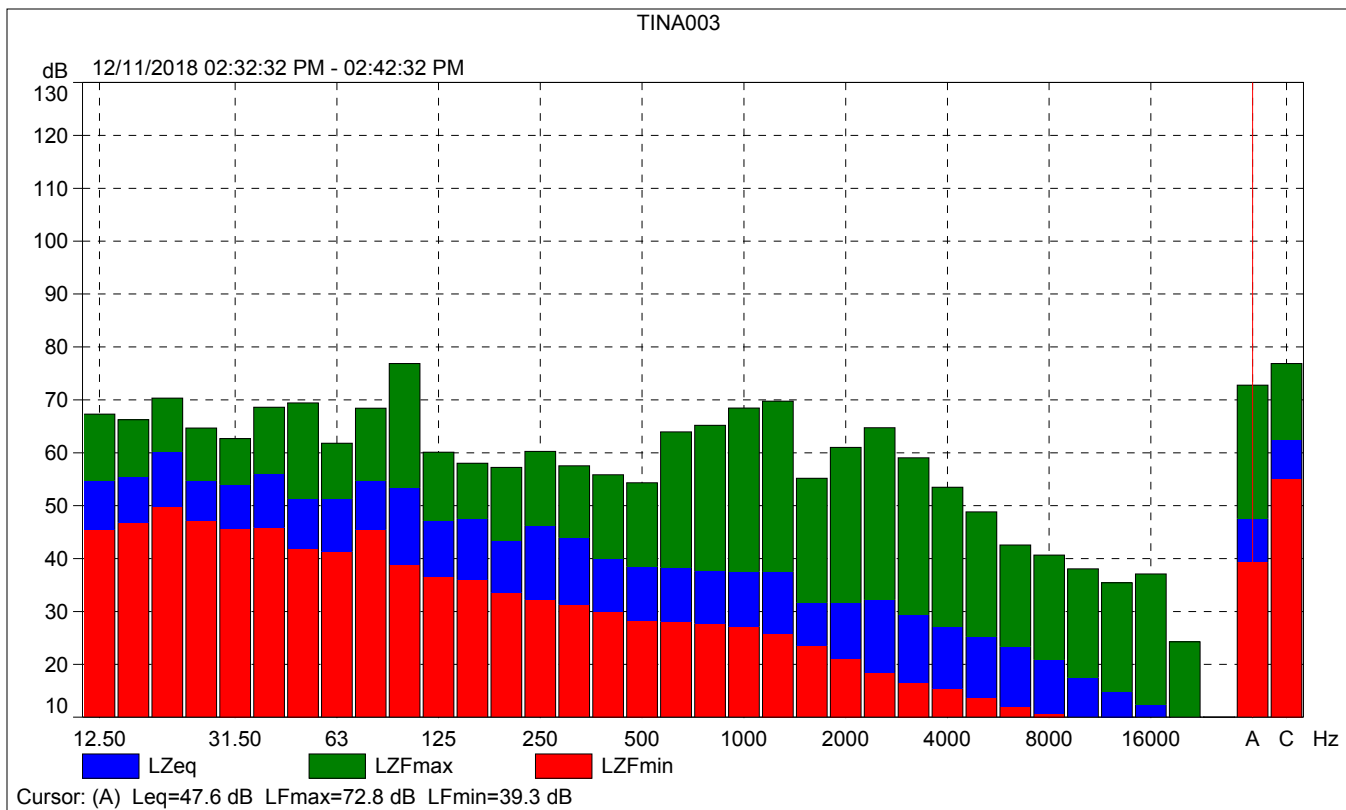
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

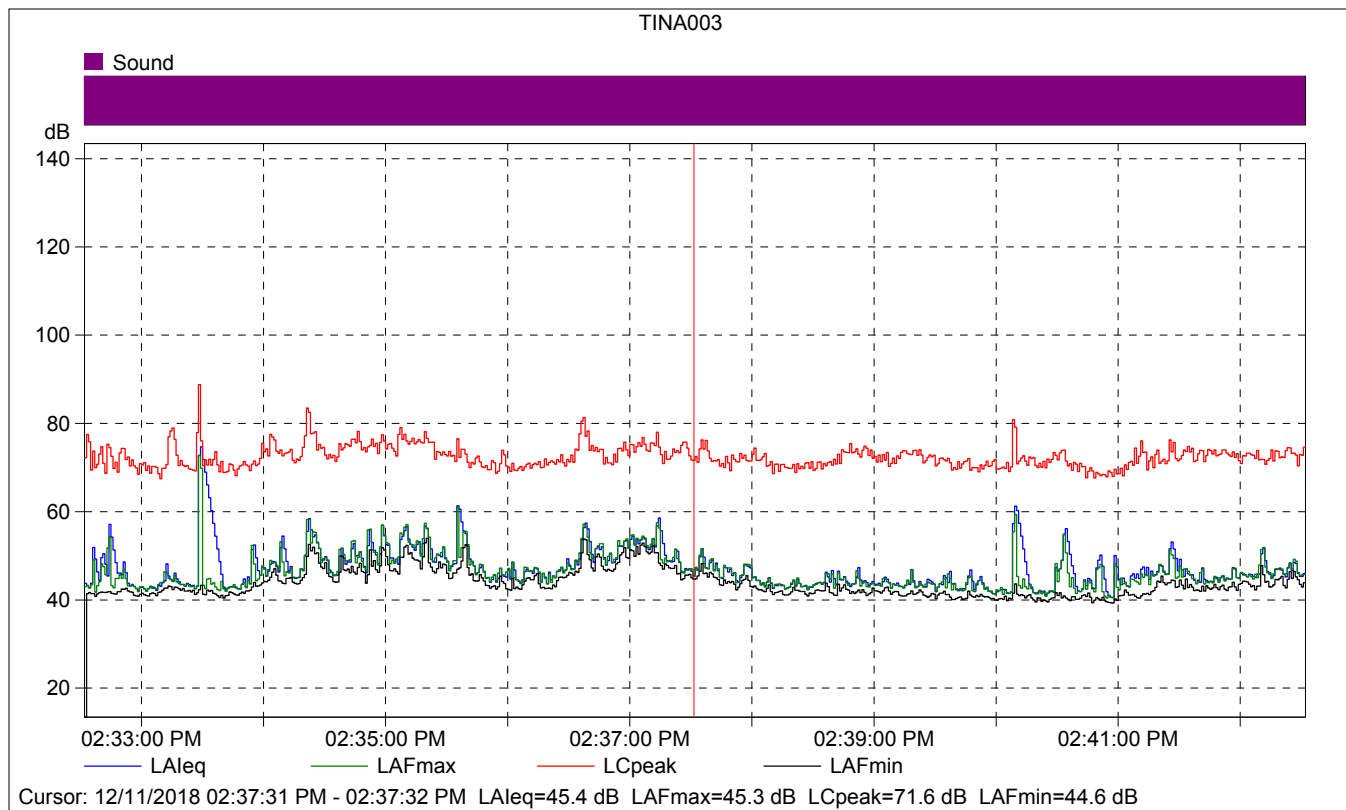
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/11/2018 10:08:32
Calibration Type:		External reference
Sensitivity:		43.605875223875 mV/Pa

TINA003

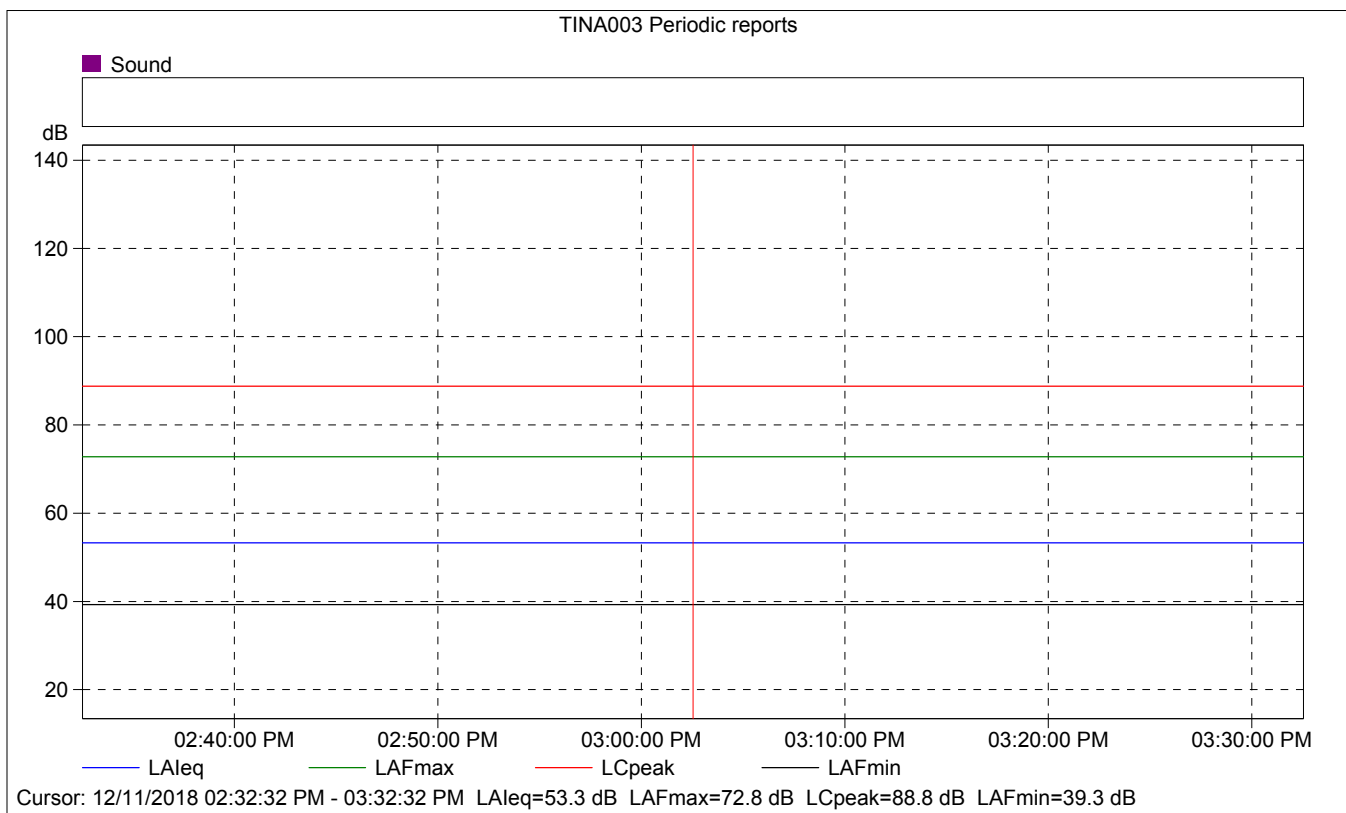
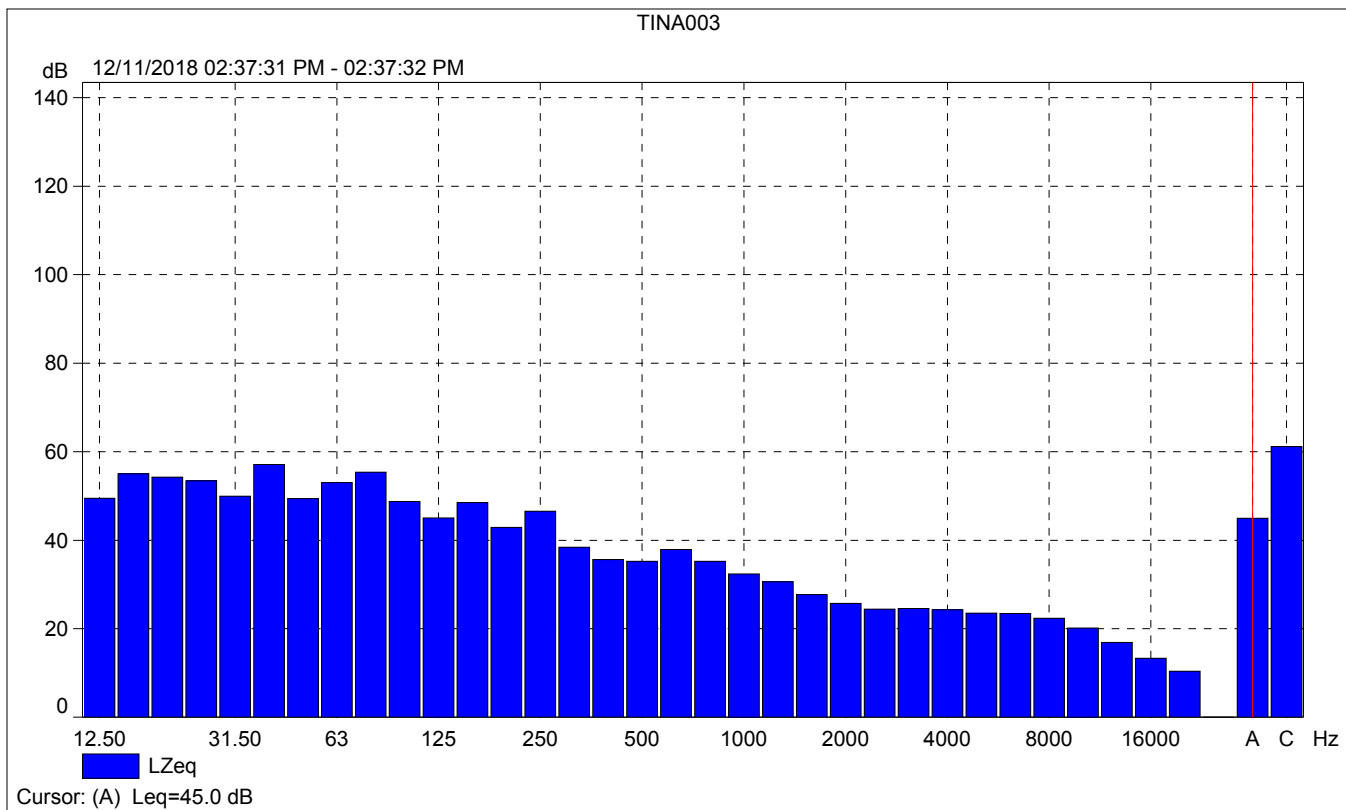
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	47.6	72.8	39.3
Time	02:32:32 PM	02:42:32 PM	0:10:00				
Date	12/11/2018	12/11/2018					





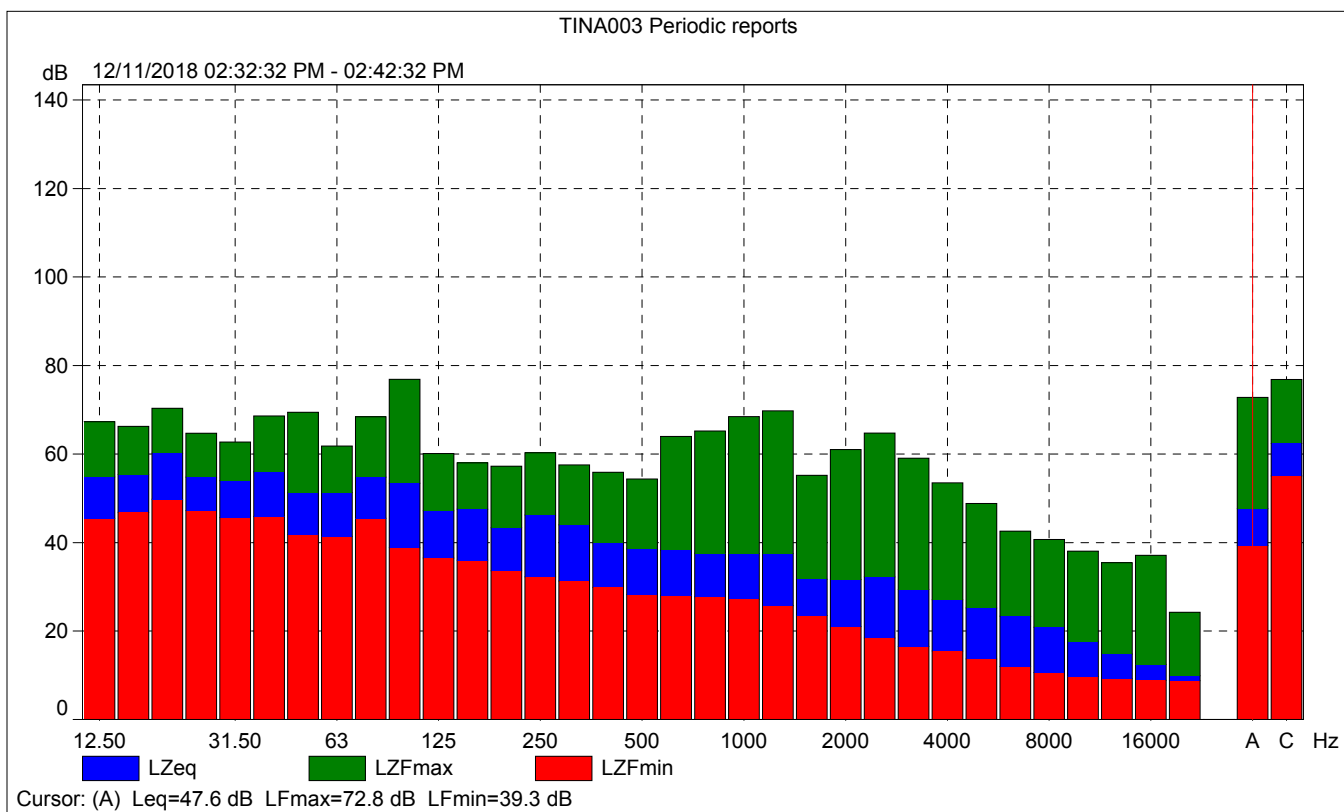
TINA003

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			45.4	45.3	44.6
Time	02:37:31 PM	0:00:01			
Date	12/11/2018				



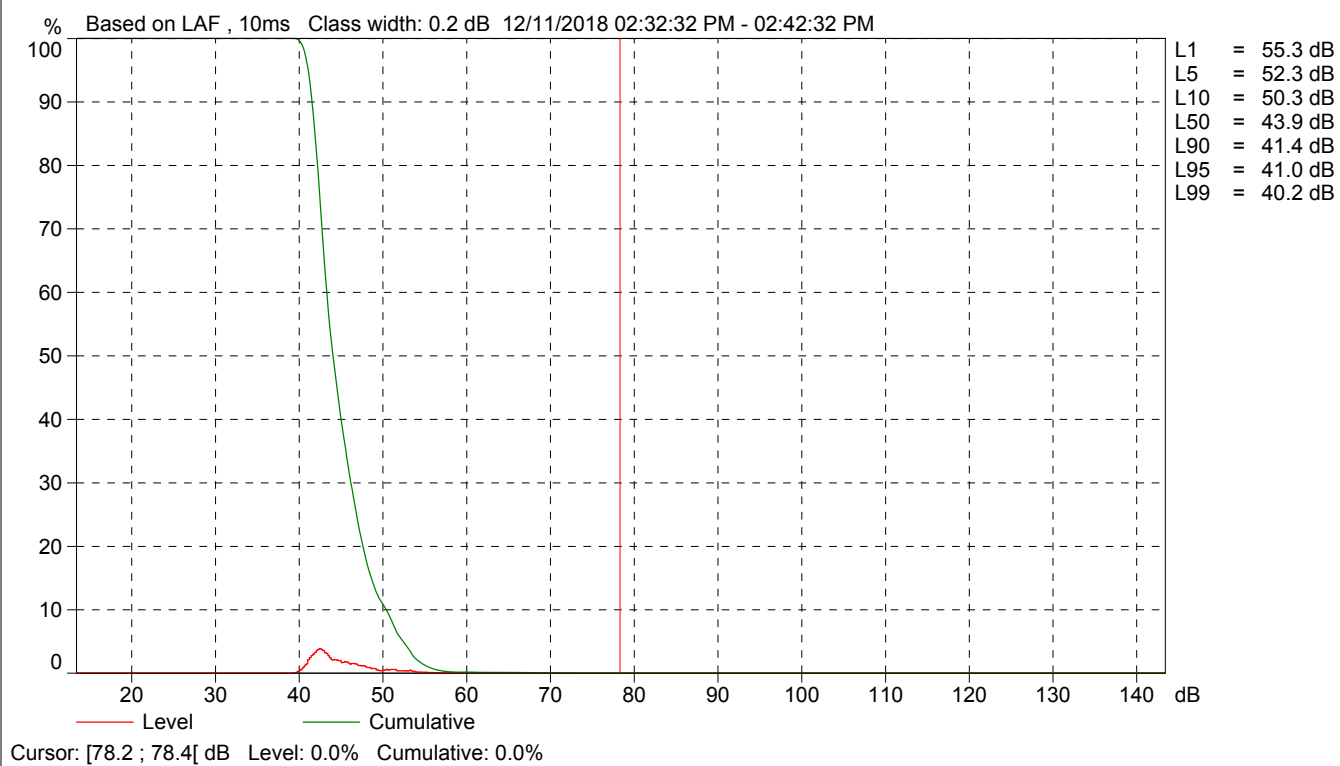
TINA003 Periodic reports

	Start time	Elapsed time	Overload [%]	LAFeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	53.3	72.8	39.3
Time	02:32:32 PM	0:10:00				
Date	12/11/2018					





TINA003 Periodic reports



Site Number: Tina Pacific #4			
Recorded By: Danielle Regimbal			
Job Number: 170136			
Date: December 11, 2018			
Time: 14:50			
Location: Annapolis Avenue col-de-sac.			
Source of Peak Noise: Car door shutting.			
Noise Data			
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)
45.9	38.3	71.5	93.8

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
Sound	Sound Level Meter	Brüel & Kjær	2250	3011133	3/29/2018	
	Microphone	Brüel & Kjær	4189	3086765	3/26/2018	
	Preamp	Brüel & Kjær	ZC 0032	25380	3/29/2018	
	Calibrator	Brüel & Kjær	4231	2545667	3/28/2018	
Weather Data						
Est.	Duration: 10 minutes			Sky: clear, sunny		
	Note: dBA Offset = 0.0			Sensor Height (ft): 5 ft		
	Wind Ave Speed (mph / m/s)		Temperature (degrees Fahrenheit)		Barometer Pressure (inches)	
	ssw 4 mph		68		30.01 inHg	

Photo of Measurement Location





2250

Instrument:		2250
Application:		BZ7225 Version 4.7.4
Start Time:		12/11/2018 14:49:02
End Time:		12/11/2018 14:59:02
Elapsed Time:		00:10:00
Bandwidth:		1/3-octave
Max Input Level:		142.12

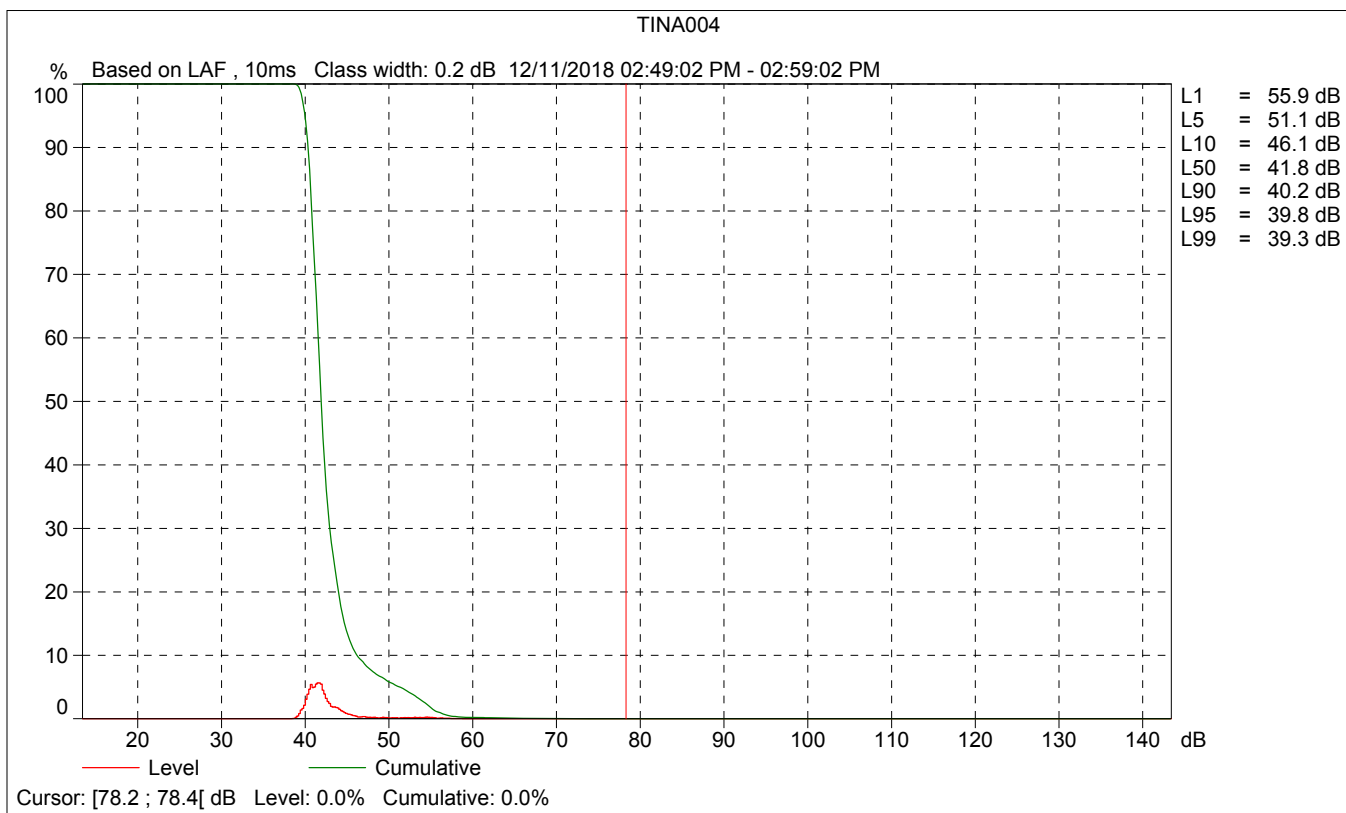
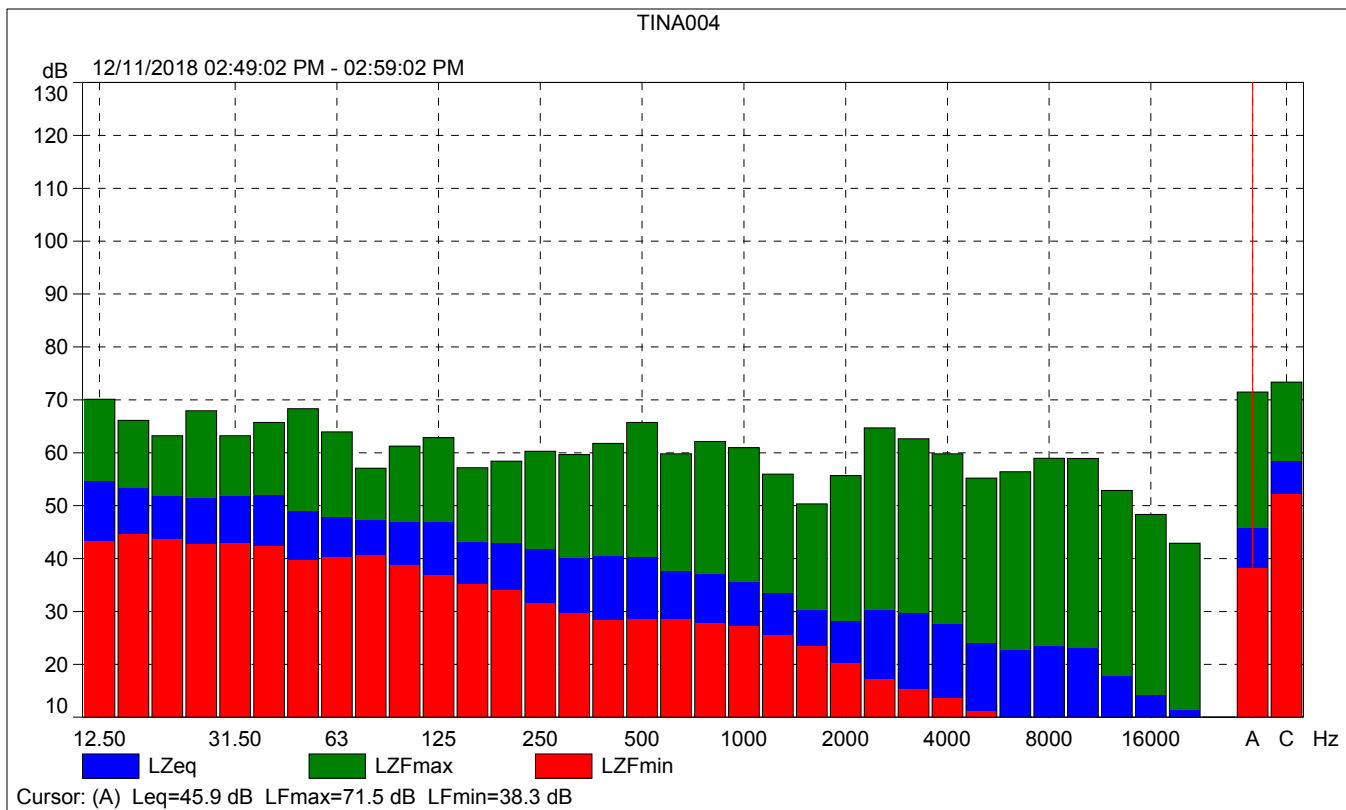
	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		C
Spectrum:	FS	Z

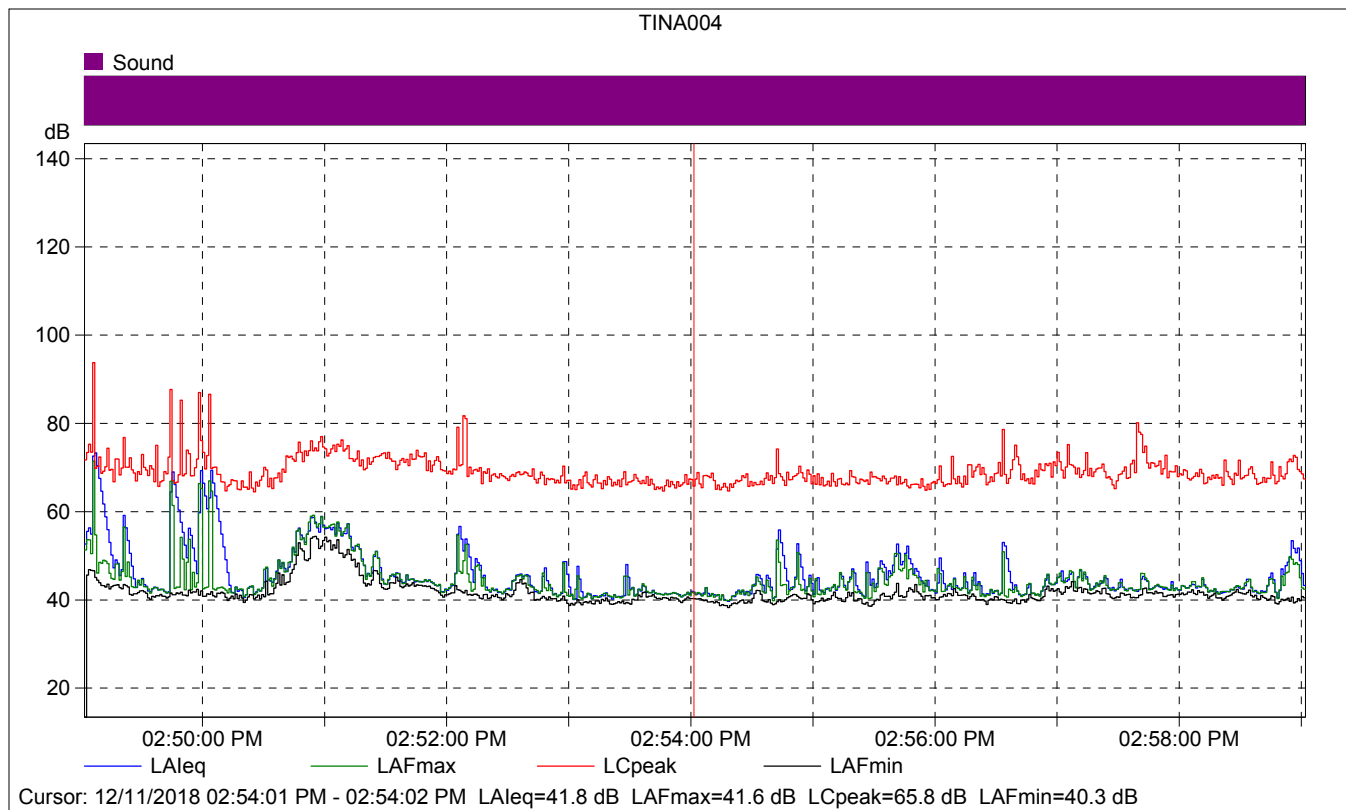
Instrument Serial Number:		3011133
Microphone Serial Number:		3086765
Input:		Top Socket
Windscreen Correction:		UA-1650
Sound Field Correction:		Free-field

Calibration Time:		12/11/2018 10:08:32
Calibration Type:		External reference
Sensitivity:		43.605875223875 mV/Pa

TINA004

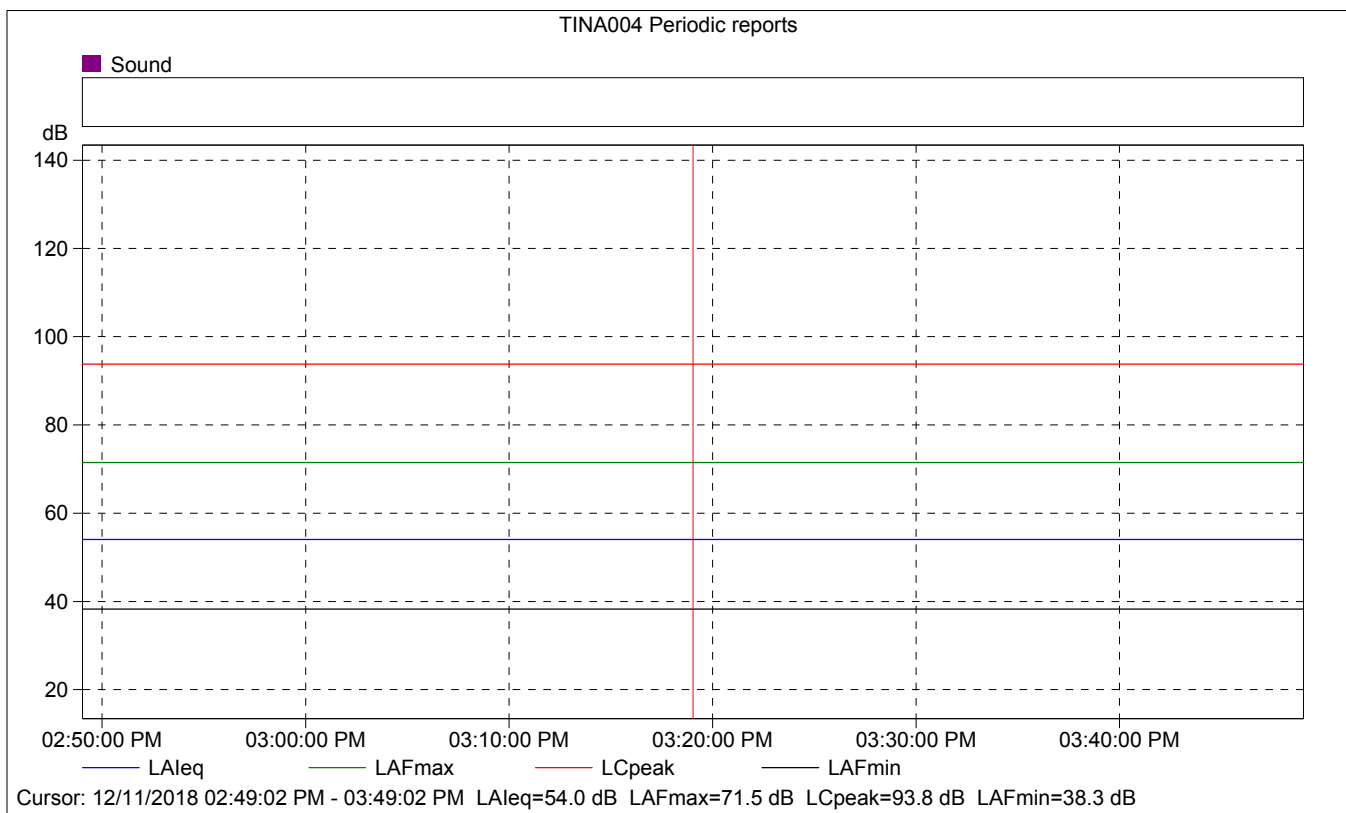
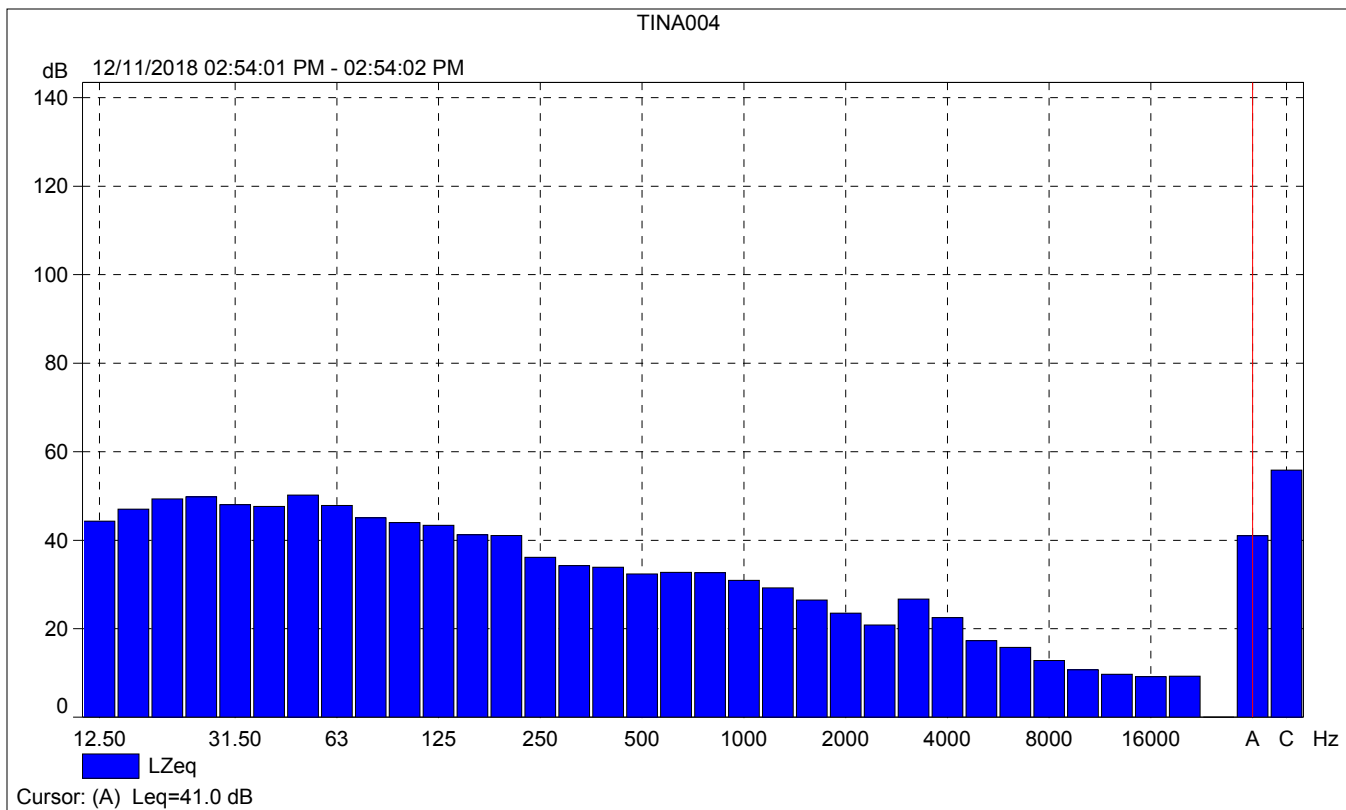
	Start time	End time	Elapsed time	Overload [%]	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value				0.00	45.9	71.5	38.3
Time	02:49:02 PM	02:59:02 PM	0:10:00				
Date	12/11/2018	12/11/2018					





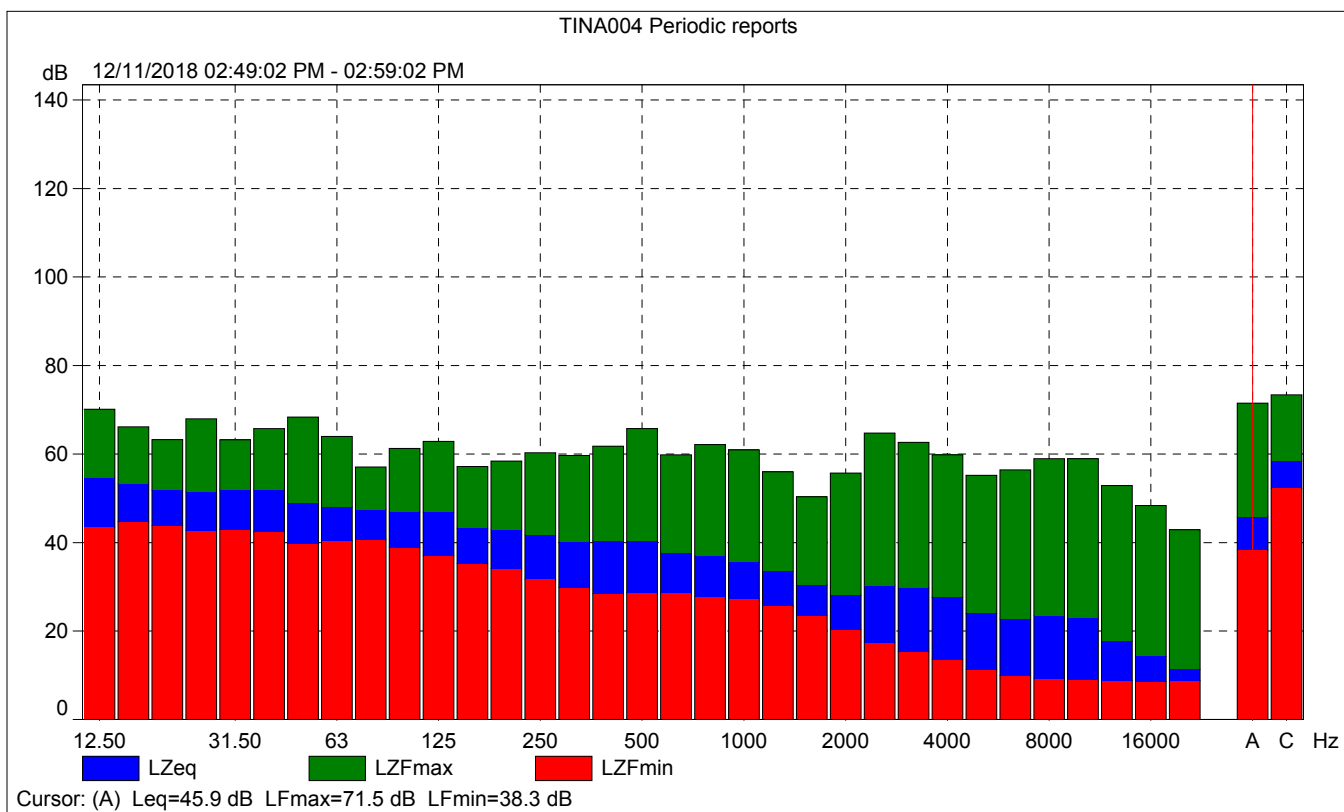
TINA004

	Start time	Elapsed time	LAeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			41.8	41.6	40.3
Time	02:54:01 PM	0:00:01			
Date	12/11/2018				

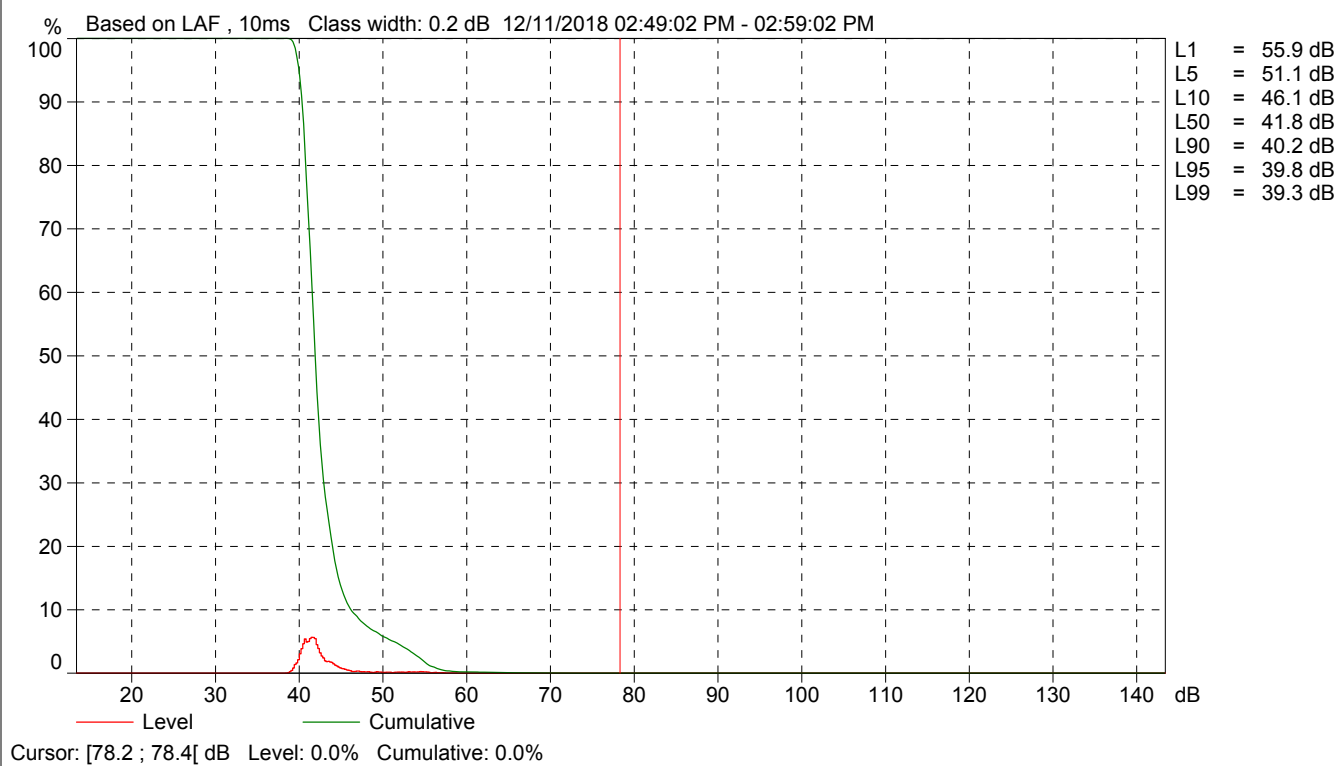


TINA004 Periodic reports

	Start time	Elapsed time	Overload [%]	LALeq [dB]	LAFmax [dB]	LAFmin [dB]
Value			0.00	54.0	71.5	38.3
Time	02:49:02 PM	0:10:00				
Date	12/11/2018					



TINA004 Periodic reports



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

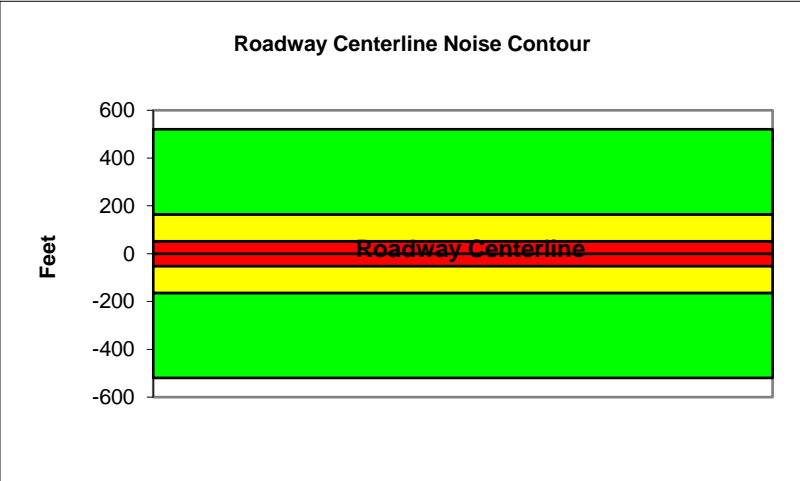
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Magnolia Avenue		
Road Segment:	North of Cerritos Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	22,200			
Receiver Barrier Dist:	0	Peak Hour Traffic:	2220			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	50			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	54.7	63.5	61.7	55.6	64.3	64.9
Medium Trucks:	63.7	55.6	49.2	47.7	56.2	56.4
Heavy Trucks:	68.5	56.6	47.5	48.8	58.5	58.6
Vehicle Noise:	70.9	65.1	62.2	57.2	65.8	66.3

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	520
65 dBA	164
70 dBA	52
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

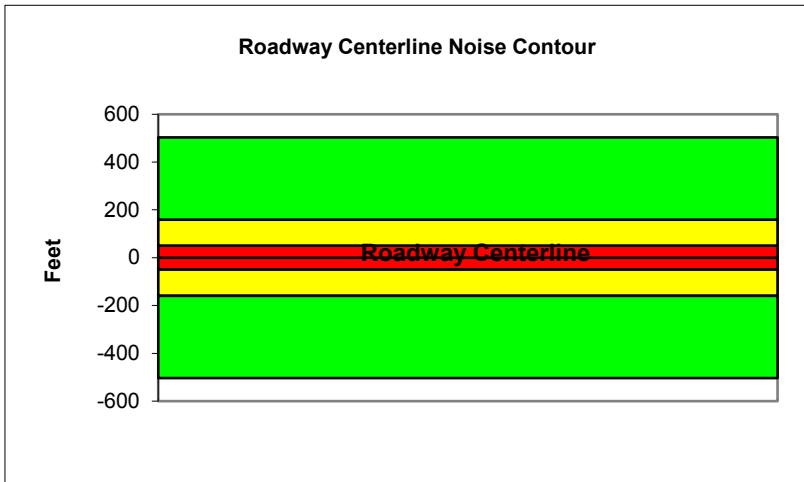
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Magnolia Avenue		
Road Segment:	Cerritos Avenue to Pacific Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	21,500			
Receiver Barrier Dist:	0	Peak Hour Traffic:	2150			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	50			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	54.6	63.4	61.6	55.5	64.2	64.8
Medium Trucks:	63.6	55.5	49.1	47.5	56.0	56.2
Heavy Trucks:	68.4	56.5	47.4	48.6	58.3	58.5
Vehicle Noise:	70.8	65.0	62.0	57.1	65.7	66.1

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	504
65 dBA	159
70 dBA	50
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

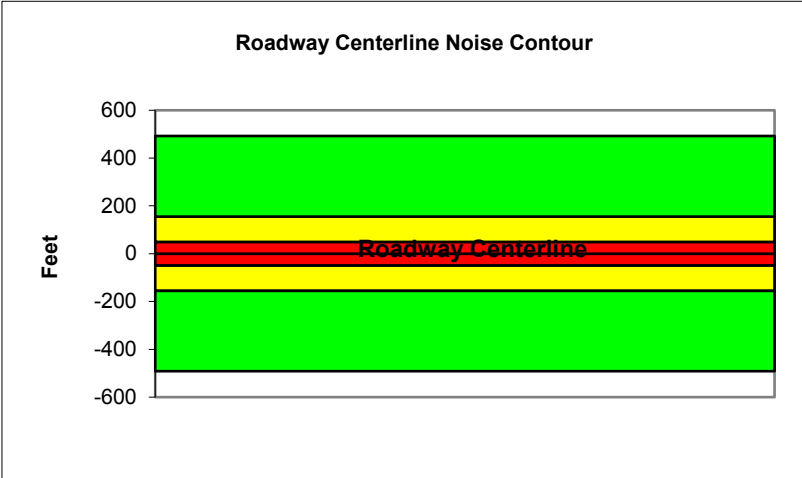
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Magnolia Avenue		
Road Segment:	Pacific Avenue to Katella Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	21,000			
Receiver Barrier Dist:	0	Peak Hour Traffic:	2100			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	50			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	54.5	63.3	61.5	55.4	64.1	64.7
Medium Trucks:	63.4	55.4	49.0	47.4	55.9	56.1
Heavy Trucks:	68.3	56.4	47.3	48.5	58.2	58.4
Vehicle Noise:	70.7	64.9	61.9	57.0	65.6	66.0

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	492
65 dBA	156
70 dBA	49
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

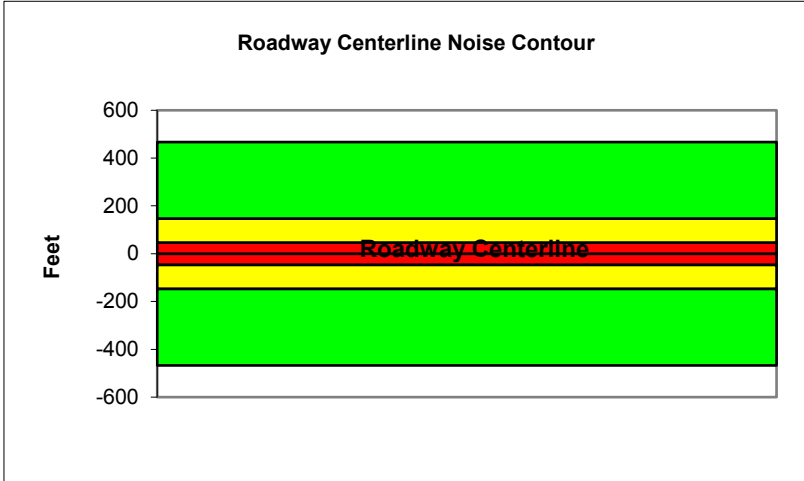
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Magnolia Avenue		
Road Segment:	South of Katella Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	19,900			
Receiver Barrier Dist:	0	Peak Hour Traffic:	1990			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	50			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90 Lft View: -90		Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	54.3	63.0	61.3	55.2	63.8	64.4
Medium Trucks:	63.2	55.1	48.8	47.2	55.7	55.9
Heavy Trucks:	68.1	56.1	47.1	48.3	58.0	58.1
Vehicle Noise:	70.4	64.6	61.7	56.7	65.3	65.8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	467
65 dBA	148
70 dBA	47
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

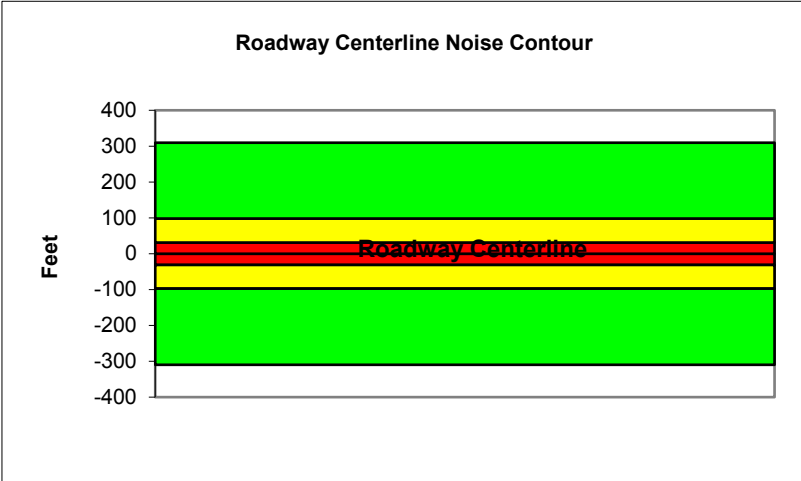
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Cerritos Avenue		
Road Segment:	West of Sherrill Street		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	13,200			
Receiver Barrier Dist:	0	Peak Hour Traffic:	1320			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	25			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90 Lft View: -90		Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	52.9	61.7	59.9	53.8	62.4	63.0
Medium Trucks:	61.8	53.8	47.4	45.8	54.3	54.5
Heavy Trucks:	66.7	54.7	45.7	46.9	56.6	56.7
Vehicle Noise:	69.1	63.2	60.3	55.4	63.9	64.4

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	309
65 dBA	98
70 dBA	31
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

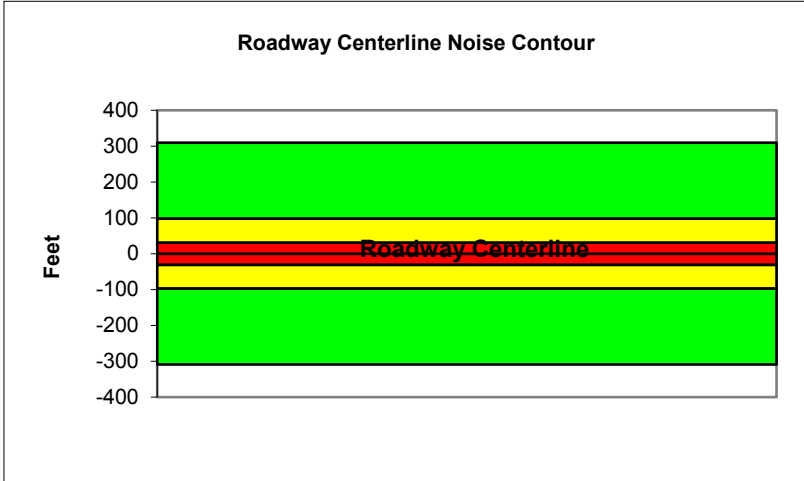
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Cerritos Avenue		
Road Segment:	Sherrill Street to Magnolia Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	13,200			
Receiver Barrier Dist:	0	Peak Hour Traffic:	1320			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	37			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	52.7	61.5	59.7	53.6	62.2	62.8
Medium Trucks:	61.6	53.6	47.2	45.6	54.1	54.3
Heavy Trucks:	66.5	54.5	45.5	46.7	56.4	56.5
Vehicle Noise:	68.9	63.0	60.1	55.2	63.7	64.2

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	309
65 dBA	98
70 dBA	31
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

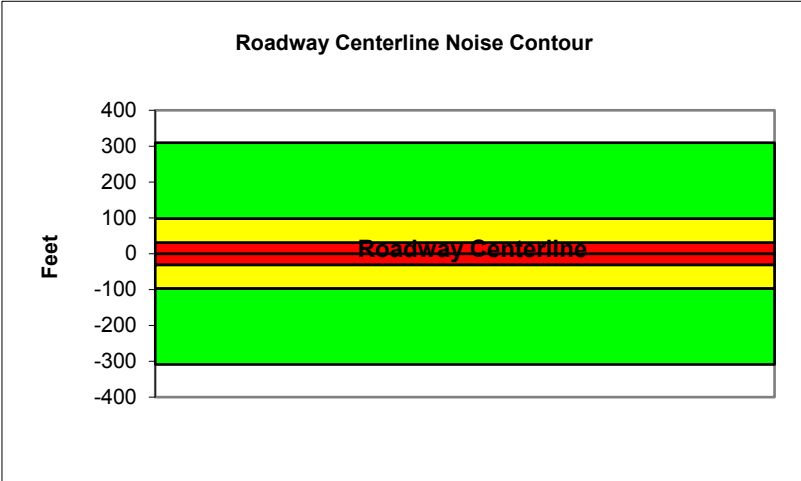
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Cerritos Avenue		
Road Segment:	East of Magnolia Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	13,200			
Receiver Barrier Dist:	0	Peak Hour Traffic:	1320			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	37			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	52.7	61.5	59.7	53.6	62.2	62.8
Medium Trucks:	61.6	53.6	47.2	45.6	54.1	54.3
Heavy Trucks:	66.5	54.5	45.5	46.7	56.4	56.5
Vehicle Noise:	68.9	63.0	60.1	55.2	63.7	64.2

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	309
65 dBA	98
70 dBA	31
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

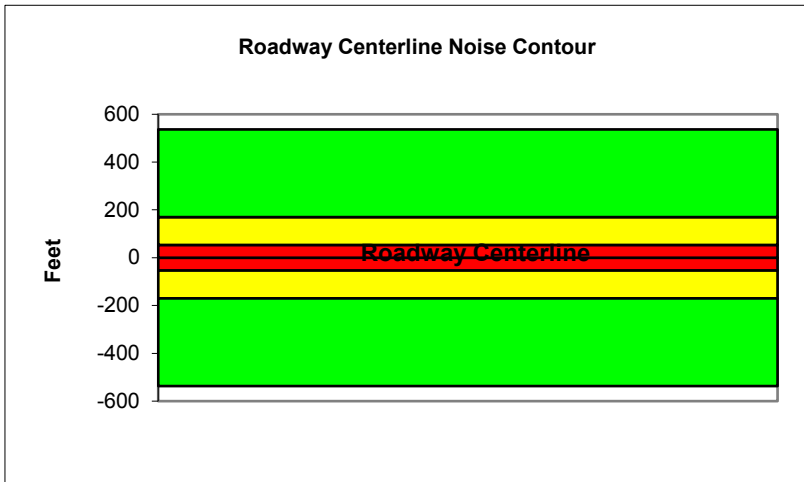
Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Katella Avenue		
Road Segment:	West of Magnolia Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	22,900			
Receiver Barrier Dist:	0	Peak Hour Traffic:	2290			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	55			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	54.8	63.6	61.8	55.7	64.4	65.0
Medium Trucks:	63.8	55.7	49.3	47.7	56.2	56.5
Heavy Trucks:	68.6	56.7	47.6	48.8	58.5	58.7
Vehicle Noise:	71.0	65.2	62.2	57.3	65.9	66.4

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	537
65 dBA	170
70 dBA	54
Mitigated	
60 dBA	
65 dBA	
70 dBA	



**Federal Highway Administration RD-77-108
Traffic Noise Prediction Model (CALVENO)**

Project Name:	Tina Pacific EIR	Scenario:	Existing
Analyst:	Danielle Regimbal	Job #:	170136
Roadway:	Katella Avenue		
Road Segment:	East of Magnolia Avenue		

PROJECT DATA		SITE DATA				
Centerline Dist to Barrier	0	Road Grade:	0			
Barrier (0=wall, 1= berm):	0	Average Daily Traffic:	24,100			
Receiver Barrier Dist:	0	Peak Hour Traffic:	2410			
Centerline Dist. To Observer:	100	Vehicle Speed:	40			
Barrier Near Lane CL Dist:	0	Centerline Separation:	55			
Barrier Far lane CL Dist:	0	NOISE INPUTS				
Pad Elevation:	0.5	Site conditions HARD SITE				
Road Elevation:	0	FLEET MIX				
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Barrier Height:	0	Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View: -90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0					
Medium Trucks:	2.3					
Heavy Trucks:	8					

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	55.0	63.8	62.0	55.9	64.6	65.2
Medium Trucks:	64.0	55.9	49.5	48.0	56.4	56.7
Heavy Trucks:	68.8	56.9	47.8	49.0	58.8	58.9
Vehicle Noise:	71.2	65.4	62.5	57.5	66.1	66.6

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR	
Unmitigated	
60 dBA	565
65 dBA	179
70 dBA	57
Mitigated	
60 dBA	
65 dBA	
70 dBA	

