Appendix J

Noise Assumptions and Modeling

ESA

Table X.X Roadway Traffic Noise - 2035 Cumulative + Program Buildout

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)			
			2035 Cumulative	2035 Cumulative + Program Buildout	Increase over Existing	Significant Impact?
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Commercial	69.3	69.8	0.6	No
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Commercial	65.8	69.7	4.0	Yes
Avenue 15 1/2	Country Club Dr to Road 27	Commercial/Residential	71.3	71.9	0.6	No
Avenue 15 1/2	Road 27 to Road 28 1/2	Residential/Religious	69.3	69.8	0.6	No
Avenue 17	State Route 99 interchange to Road 26	Residential/Religious	70.5	71.1	0.6	No
Avenue 17	Road 26 to Road 27	Commercial/Residential	70.2	71.8	1.6	Yes
Road 27	Avenue 21 to Avenue 18	Residential/Agricultural	67.0	71.2	4.2	Yes
Road 27	Avenue 18 to Avenue 17	Residential/Agricultural	62.5	63.8	1.4	No
Road 27	Avenue 17 to Cleveland Avenue	Residential/Educational/Religious/Commercial	65.2	68.2	3.0	Yes
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Agricultural	70.7	73.5	2.9	Yes
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Agricultural	71.3	71.5	0.3	No
Road 28 1/2	Avenue 17 to Cleveland Avenue	Residential/Agricultural	61.4	68.1	6.7	Yes
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Commercial	64.5	65.9	1.4	No
State Route 145/Yosemite Ave	Lake Street to Fig Street	Commercial/Residential	71.6	71.9	0.3	No
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Commercial/Religious	68.6	69.1	0.5	No

Table X.X Roadway Traffic Noise - Existing + Program Buildout

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)			
			Existing	Existing with Program Buildout	Increase over Existing	Significant Impact?
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Commercial	67.9	68.7	0.8	No
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Commercial	67.2	70.3	3.2	Yes
Avenue 15 1/2	Country Club Dr to Road 27	Commercial/Residential	69.9	70.7	0.8	No
Avenue 15 1/2	Road 27 to Road 28 1/2	Residential/Religious	67.9	68.7	0.8	No
Avenue 17	State Route 99 interchange to Road 26	Residential/Religious	69.5	70.2	0.7	No
Avenue 17	Road 26 to Road 27	Commercial/Residential	67.8	70.1	2.3	Yes
Road 27	Avenue 21 to Avenue 18	Residential/Agricultural	65.6	70.5	4.9	Yes
Road 27	Avenue 18 to Avenue 17	Residential/Agricultural	62.4	63.8	1.4	No
Road 27	Avenue 17 to Cleveland Avenue	Residential/Educational/Religious/Commercial	65.0	68.1	3.1	Yes
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Agricultural	70.0	73.2	3.2	Yes
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Agricultural	69.3	69.7	0.5	No
Road 28 1/2	Avenue 17 to Cleveland Avenue	Residential/Agricultural	61.3	68.2	6.9	Yes
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Commercial	63.5	65.2	1.7	No
State Route 145/Yosemite Ave	Lake Street to Fig Street	Commercial/Residential	70.3	70.6	0.3	No
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Commercial/Religious	66.7	67.5	0.7	No

Table X.X Roadway Traffic Noise - Existing + Phase 1 Project

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)			
			Existing	Existing with Phase 1	Increase over Existing	Significant Impact?
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Commercial	67.9	66.5	-1.4	No
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Commercial	67.2	67.2	0.1	No
Avenue 15 1/2	Country Club Dr to Road 27	Commercial/Residential	69.9	67.1	-2.8	No
Avenue 15 1/2	Road 27 to Road 28 1/2	Residential/Religious	67.9	66.5	-1.4	No
Avenue 17	State Route 99 interchange to Road 26	Residential/Religious	69.5	69.5	0.0	No
Avenue 17	Road 26 to Road 27	Commercial/Residential	67.8	67.9	0.1	No
Road 27	Avenue 21 to Avenue 18	Residential/Agricultural	65.6	65.9	0.3	No
Road 27	Avenue 18 to Avenue 17	Residential/Agricultural	62.4	62.5	0.1	No
Road 27	Avenue 17 to Cleveland Avenue	Residential/Educational/Religious/Commercial	65.0	65.7	0.7	No
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Agricultural	70.0	70.3	0.4	No
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Agricultural	69.3	69.3	0.0	No
Road 28 1/2	Avenue 17 to Cleveland Avenue	Residential/Agricultural	61.3	61.5	0.2	No
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Commercial	63.5	63.5	0.1	No
State Route 145/Yosemite Ave	Lake Street to Fig Street	Commercial/Residential	70.3	70.3	0.0	No
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Commercial/Religious	66.7	66.8	0.1	No

Table X.X Roadway Traffic Noise - Near Term Cumulative + Program Buildout

Street	Roadway Segment	Existing Land Uses Located Along Roadway Segment	Traffic Noise Levels (dBA CNEL)			
			Near Term Cumulative	Near Term + Phase 1 Project	Increase over Existing	Significant Impact?
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Commercial	68.2	60.6	-7.6	No
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Commercial	65.7	70.5	4.8	Yes
Avenue 15 1/2	Country Club Dr to Road 27	Commercial/Residential	70.2	65.0	-5.2	No
Avenue 15 1/2	Road 27 to Road 28 1/2	Residential/Religious	68.2	62.7	-5.6	No
Avenue 17	State Route 99 interchange to Road 26	Residential/Religious	69.4	68.7	-0.6	No
Avenue 17	Road 26 to Road 27	Commercial/Residential	67.8	67.0	-0.8	No
Road 27	Avenue 21 to Avenue 18	Residential/Agricultural	65.7	66.5	0.8	No
Road 27	Avenue 18 to Avenue 17	Residential/Agricultural	62.4	69.1	6.6	Yes
Road 27	Avenue 17 to Cleveland Avenue	Residential/Educational/Religious/Commercial	65.1	73.1	8.0	Yes
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Agricultural	70.0	68.6	-1.4	No
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Agricultural	69.8	66.8	-3.0	No
Road 28 1/2	Avenue 17 to Cleveland Avenue	Residential/Agricultural	61.0	72.0	11.0	Yes
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Commercial	63.6	69.3	5.7	Yes
State Route 145/Yosemite Ave	Lake Street to Fig Street	Commercial/Residential	70.6	69.1	-1.5	No
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Commercial/Religious	67.2	68.3	1.1	No

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	1114	23	11	67.6	67.9
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	656	14	7	66.9	67.2
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	1229	25	13	69.6	69.9
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	1114	23	11	67.6	67.9
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1129	23	12	69.2	69.5
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	753	16	8	67.5	67.8
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	456	9	5	65.3	65.6
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	219	5	2	62.1	62.4
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	397	8	4	64.7	65.0
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	484	10	5	69.7	70.0
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	413	9	4	69.0	69.3
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	245	5	3	61.0	61.3
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	400	8	4	63.2	63.5
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	1934	40	20	70.0	70.3
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	846	17	9	66.4	66.7

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing + Project (Ph 1)
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	803	17	8	66.2	66.5
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	665	14	7	66.9	67.2
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	651	13	7	66.8	67.1
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	803	17	8	66.2	66.5
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1132	23	12	69.2	69.5
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	774	16	8	67.6	67.9
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	491	10	5	65.6	65.9
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	225	5	2	62.2	62.5
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	469	10	5	65.4	65.7
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	525	11	5	70.0	70.3
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	415	9	4	69.0	69.3
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	255	5	3	61.2	61.5
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	404	8	4	63.2	63.5
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	1949	40	20	70.0	70.3
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	857	18	9	66.5	66.8

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing + Buildout
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	1322	27	14	68.4	68.7
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	1363	28	14	70.0	70.3
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	1479	30	15	70.4	70.7
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	1322	27	14	68.4	68.7
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1326	27	14	69.9	70.2
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	1292	27	13	69.8	70.1
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	1417	29	15	70.2	70.5
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	301	6	3	63.5	63.8
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	808	17	8	67.8	68.1
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	1015	21	10	72.9	73.2
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	458	9	5	69.4	69.7
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	1192	25	12	67.9	68.2
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	590	12	6	64.9	65.2
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	2088	43	22	70.3	70.6
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	1004	21	10	67.2	67.5

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing + Near Term Cumulative
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	1202	25	12	67.9	68.2
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	463	10	5	65.4	65.7
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	1328	27	14	69.9	70.2
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	1202	25	12	67.9	68.2
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1088	22	11	69.1	69.4
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	753	16	8	67.5	67.8
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	463	10	5	65.4	65.7
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	221	5	2	62.1	62.4
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	404	8	4	64.8	65.1
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	486	10	5	69.7	70.0
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	462	10	5	69.5	69.8
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	229	5	2	60.7	61.0
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	416	9	4	63.3	63.6
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	2066	43	21	70.3	70.6
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	946	20	10	66.9	67.2

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing + Long Term Cumulative (2035)
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	1527	31	16	69.0	69.3
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	473	10	5	65.5	65.8
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	1693	35	17	71.0	71.3
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	1527	31	16	69.0	69.3
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1417	29	15	70.2	70.5
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	1324	27	14	69.9	70.2
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	624	13	6	66.7	67.0
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	222	5	2	62.2	62.5
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	412	9	4	64.9	65.2
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	566	12	6	70.4	70.7
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	652	13	7	71.0	71.3
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	246	5	3	61.1	61.4
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	509	11	5	64.2	64.5
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	2614	54	27	71.3	71.6
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	1305	27	13	68.3	68.6

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Existing + Long Term Cumulative (2035)
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	1735	36	18	69.5	69.8
Avenue 15 1/2	State Route 99 SB off-ramp to Country Club Dr	Hard	30	40	40	35	1181	24	12	69.4	69.7
Avenue 15 1/2	Country Club Dr to Road 27	Hard	30	40	40	35	1942	40	20	71.6	71.9
Avenue 15 1/2	Road 27 to Road 28 1/2	Hard	30	35	35	30	1735	36	18	69.5	69.8
Avenue 17	State Route 99 interchange to Road 26	Hard	30	40	40	35	1615	33	17	70.8	71.1
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	1900	39	20	71.5	71.8
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	1654	34	17	70.9	71.2
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	303	6	3	63.5	63.8
Road 27	Avenue 17 to Cleveland Avenue	Hard	30	40	40	35	824	17	8	67.9	68.2
Road 28 1/2	Avenue 21 to Avenue 17 1/2	Hard	30	55	55	50	1097	23	11	73.2	73.5
Road 28 1/2	Avenue 17 1/2 to Avenue 17	Hard	30	55	55	50	696	14	7	71.2	71.5
Road 28 1/2	Avenue 17 to Cleveland Avenue	Hard	30	35	35	30	1156	24	12	67.8	68.1
State Route 145/Yosemite Ave	Gateway Drive to Lake Street	Hard	30	35	35	30	699	14	7	65.6	65.9
State Route 145/Yosemite Ave	Lake Street to Fig Street	Hard	30	35	35	30	2769	57	29	71.6	71.9
State Route 145/Yosemite Ave	Fig Street to Tozer Street	Hard	30	35	35	30	1463	30	15	68.8	69.1

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

TRAFFIC NOISE ANALYSIS TOOL

Project Name: Castellina
Analysis Scenario: Near Term + Project (Ph 1)
Source of Traffic Volumes: Kimley Horn

Roadway Segment		Ground Type	Distance from Roadway to Receiver (feet)	Speed (mph)			Peak Hour Volume			Peak Hour Noise Level (Leq(h) dBA)	Noise Level dBA CNEL
				Auto	MT	HT	Auto	MT	HT		
Avenue 15	Road 28 ½ to Tozer St (Road 28)	Hard	30	35	35	30	208	4	2	60.3	60.6
Avenue 15 ½ (Cleveland Ave)	SR 99 interchange to Country Club	Hard	30	35	35	30	2013	42	21	70.2	70.5
Avenue 15 ½ (Cleveland Ave)	Country Club Drive to Road 27	Hard	30	35	35	30	574	12	6	64.7	65.0
Avenue 15 ½ (Cleveland Ave)	Road 27 to Road 28 ½ (Raymond Rd)	Hard	30	35	35	30	335	7	3	62.4	62.7
Avenue 17	SR 99 to Road 26	Hard	30	40	40	35	941	19	10	68.4	68.7
Avenue 17	Road 26 to Road 27	Hard	30	40	40	35	631	13	7	66.7	67.0
Road 27	Avenue 21 to Avenue 18	Hard	30	40	40	35	558	12	6	66.2	66.5
Road 27	Avenue 18 to Avenue 17	Hard	30	40	40	35	1013	21	10	68.8	69.1
Road 27	Avenue 17 to Avenue 15 ½ (Cleveland Avenue)	Hard	30	40	40	35	2546	53	26	72.8	73.1
Road 28 ½ (Raymond Rd)	Avenue 21 to Avenue 17 ½	Hard	30	55	55	50	350	7	4	68.3	68.6
Road 28 ½ (Raymond Rd)	Avenue 17 ½ to Avenue 17	Hard	30	55	55	50	231	5	2	66.5	66.8
Road 28 ½ (Raymond Rd)	Avenue 17 to Avenue 15 ½ (Cleveland Aven	Hard	30	35	35	30	2856	59	29	71.7	72.0
State Route 145 (Yosemite Avenue)	Gateway Drive to Lake Street	Hard	30	40	40	35	1083	22	11	69.0	69.3
State Route 145 (Yosemite Avenue)	Lake Street to Fig Street	Hard	30	40	40	35	1018	21	10	68.8	69.1
State Route 145 (Yosemite Avenue)	Fig Street to Tozer Street	Hard	30	35	35	30	1215	25	13	68.0	68.3

For hard ground, the propagation rate is 3 dB per doubling the distance.
For soft ground, the propagation rate is 4.5 dB per doubling the distance.
Vehicles are assumed to be on a long straight roadway with cruise speed.
Roadway grade is less than 1.5%.
CNEL levels were obtained based on Figure 2-19, on page 2-58 Caltran's TeNS 2013.

Summary

File Name on Meter	LxT_Data.051
File Name on PC	SLM_0004983_LxT_Data_051.02.ldbin
Serial Number	0004983
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description		
Start	2019-11-20 07:26:29	
Stop	2019-11-20 09:21:56	
Duration	01:55:27.5	
Run Time	01:55:27.5	
Pause	00:00:00.0	
Pre Calibration	2019-11-20 07:22:47	
Post Calibration	None	
Calibration Deviation	---	

Overall Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamp	PRMLxT1	
Microphone Correction	Off	
Integration Method	Exponential	
Overload	144.5	dB

	A	C	Z	
Under Range Peak	**100.7**	97.7	102.7	dB
Under Range Limit	**49.7**	47.7	55.7	dB
Noise Floor	36.6	37.2	44.8	dB

Results

LASeq	72.0	dB	
LASE	110.4	dB	
EAS	12.227	mPa²h	
EAS8	50.830	mPa²h	
EAS40	254.150	mPa²h	
LApeak (max)	2019-11-20 07:36:19	107.9	dB
LASmax	2019-11-20 07:36:19	95.7	dB
LASmin	2019-11-20 09:17:23	33.3	dB
SEA	-99.9	dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	10	148.9	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0	s
LApeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0	s
LApeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0	s
LApeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0	s
LCeq	79.9	dB	
LAeq	72.0	dB	
LCeq - LAeq	7.9	dB	
LAleq	73.6	dB	
LAeq	72.0	dB	
LAleq - LAeq	1.6	dB	

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	72.0					
LS(max)	95.7	2019/11/20 7:36:19				
LS(min)	33.3	2019/11/20 09:17:23				
LPeak(max)	107.9	2019/11/20 7:36:19				

# Overloads	0	
Overload Duration	0.0	s

Dose Settings

Dose Name	OSHA-1	OSHA-2	
Exchange Rate	5	5	dB
Threshold	90	80	dB
Criterion Level	90	90	dB
Criterion Duration	8	8	h

Results

Dose	0.08	0.47	%
Projected Dose	0.35	1.96	%
TWA (Projected)	49.2	61.6	dB
TWA (t)	38.9	51.4	dB
Lep (t)	65.8	65.8	dB

Statistics

LAS5.00	64.9	dB
LAS10.00	51.9	dB
LAS33.30	44.5	dB
LAS50.00	42.3	dB
LAS66.60	41.1	dB
LAS90.00	38.7	dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:22:46	-50.7	58.8	56.1	56.6
PRMLxT1	2019-10-22 17:11:59	-50.8	68.2	63.0	66.6
PRMLxT1	2019-10-22 07:24:17	-51.0	69.7	62.2	58.7
PRMLxT1	2019-09-30 07:32:04	-51.0	58.9	53.5	51.1
PRMLxT1	2019-09-24 15:29:02	-51.0	50.5	48.4	58.8
PRMLxT1	2019-08-28 15:37:29	-51.0	64.4	55.7	53.4
PRMLxT1	2019-08-28 15:37:14	-51.1	55.5	54.8	54.7
PRMLxT1	2019-08-27 09:43:41	-50.8	74.3	73.3	68.3
PRMLxT1	2019-08-27 07:27:48	-50.8	64.9	57.3	59.1
PRMLxT1	2019-08-27 07:27:33	-50.8	62.6	69.2	58.7
PRMLxT1	2019-08-13 07:51:52	-51.1	54.6	56.8	59.8

Summary

File Name on Meter	LxT_Data.063
File Name on PC	SLM_0005055_LxT_Data_063.02.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2019-11-20 09:18:43
Stop	2019-11-20 09:33:43
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2019-11-20 07:41:20
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Low
OBA Bandwidth	None
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Overload	144.8 dB

	A	C	Z
Under Range Peak	**101.0**	98.0	103.0 dB
Under Range Limit	**50.0**	48.0	56.0 dB
Noise Floor	36.9	37.5	45.1 dB

Results

L_{ASeq}	71.8	dB
LASE	101.3	dB
EAS	1.498	mPa^2h
EAS8	47.930	mPa^2h
EAS40	239.648	mPa^2h
$L_{Apeak\ (max)}$	2019-11-20 09:30:05	102.5 dB
L_{ASmax}	2019-11-20 09:30:06	90.5 dB
L_{ASmin}	2019-11-20 09:27:33	34.1 dB
SEA	-99.9	dB

LAS > 85.0 dB (Exceedance Counts / Duration)	1	10.6 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

L_{CSeq}	84.8	dB
L_{ASeq}	71.8	dB
L_{CSeq} - L_{ASeq}	13.1	dB
L_{AIeq}	73.1	dB
L_{Aeq}	71.8	dB
L_{AIeq} - L_{Aeq}	1.4	dB

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	71.8					
$L_{S(max)}$	90.5	2019/11/20 9:30:06				
$L_{S(min)}$	34.1	2019/11/20 9:27:33				
$L_{Peak(max)}$	102.5	2019/11/20 9:30:05				

# Overloads	0	
Overload Duration	0.0	s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	0.00	0.05 %
Projected Dose	0.13	1.57 %
TWA (Projected)	41.9	60.0 dB
TWA (t)	16.9	35.0 dB
Lep (t)	56.7	56.7 dB

Statistics

LAS5.00	77.8	dB
LAS10.00	73.7	dB
LAS33.30	43.0	dB
LAS50.00	40.1	dB
LAS66.60	37.7	dB
LAS90.00	35.3	dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:41:20	-51.0	52.4	49.4	48.5
PRMLxT1	2019-11-20 07:41:06	-51.1	52.6	54.1	65.8
PRMLxT1	2019-10-23 11:57:55	-51.0	60.0	60.3	47.7
PRMLxT1	2019-10-23 11:57:40	-51.0	59.8	62.2	49.4
PRMLxT1	2019-08-07 13:02:08	-50.6	50.2	59.2	55.5
PRMLxT1	2019-08-06 13:48:09	-50.6	31.7	43.8	43.5
PRMLxT1	2019-08-06 13:17:37	-50.8	46.2	47.4	49.2
PRMLxT1	2019-08-06 13:15:35	-49.0	-∞	-∞	-∞
PRMLxT1	2019-08-06 13:04:32	-50.8	27.1	30.9	21.8
PRMLxT1	2019-08-06 10:58:53	-49.0	21.0	18.6	10.8
PRMLxT1	2019-07-10 07:22:27	-50.8	58.2	69.2	66.1
PRMLxT2B	2019-10-22 17:12:25	-50.9	65.4	61.0	90.6
PRMLxT2B	2019-10-22 08:47:31	-50.9	69.5	80.2	82.2
PRMLxT2B	2019-05-31 11:58:05	-50.8	61.1	66.5	65.6
PRMLxT2B	2019-05-30 21:17:02	-50.8	51.5	57.1	54.6
PRMLxT2B	2019-05-30 21:16:28	-50.8	115.6	109.2	61.5
PRMLxT2B	2019-05-30 21:16:12	-50.8	59.7	59.4	59.2
PRMLxT2B	2019-05-28 18:25:14	-50.7	80.3	79.5	69.8
PRMLxT2B	2019-04-02 14:33:11	-50.8	57.7	68.1	64.7
PRMLxT2B	2019-04-02 14:32:56	-50.8	66.6	72.0	66.8
PRMLxT2B	2019-03-31 16:19:14	-51.1	54.1	57.9	49.9
PRMLxT2B	2019-03-31 11:12:18	-50.8	49.2	56.5	52.9

Summary

File Name on Meter	LxT_Data.061
File Name on PC	SLM_0005055_LxT_Data_061.02.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2019-11-20 08:28:54
Stop	2019-11-20 08:43:54
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2019-11-20 07:41:20
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Low
OBA Bandwidth	None
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Overload	144.8 dB

	A	**C**	**Z**
Under Range Peak	**101.0**	98.0	103.0 dB
Under Range Limit	**50.0**	48.0	56.0 dB
Noise Floor	36.9	37.5	45.1 dB

Results

L_{AS}eq	67.8	dB
LASE	97.4	dB
EAS	607.432	µPa²h
EAS8	19.438	mPa²h
EAS40	97.189	mPa²h
$L_{Apeak\ (max)}$	2019-11-20 08:33:53	99.4 dB
L_{ASmax}	2019-11-20 08:33:53	85.0 dB
L_{ASmin}	2019-11-20 08:43:47	38.5 dB
SEA	-99.9	dB

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

L_{CSeq}	71.3	dB
L_{ASeq}	67.8	dB
L_{CSeq} - L_{ASeq}	3.4	dB
L_{AIeq}	71.1	dB
L_{Aeq}	67.8	dB
L_{AIeq} - L_{Aeq}	3.2	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	67.8					
$L_{S(max)}$	85.0	2019/11/20 8:33:53				
$L_{S(min)}$	38.5	2019/11/20 8:43:47				
$L_{Peak(max)}$	99.4	2019/11/20 8:33:53				

# Overloads	0	
Overload Duration	0.0	s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	-99.9	0.01 %
Projected Dose	-99.9	0.22 %
TWA (Projected)	-99.9	45.9 dB
TWA (t)	-99.9	20.9 dB
Lep (t)	52.8	52.8 dB

Statistics

LAS5.00	75.6	dB
LAS10.00	72.6	dB
LAS33.30	60.3	dB
LAS50.00	56.0	dB
LAS66.60	52.1	dB
LAS90.00	46.0	dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:41:20	-51.0	52.4	49.4	48.5
PRMLxT1	2019-11-20 07:41:06	-51.1	52.6	54.1	65.8
PRMLxT1	2019-10-23 11:57:55	-51.0	60.0	60.3	47.7
PRMLxT1	2019-10-23 11:57:40	-51.0	59.8	62.2	49.4
PRMLxT1	2019-08-07 13:02:08	-50.6	50.2	59.2	55.5
PRMLxT1	2019-08-06 13:48:09	-50.6	31.7	43.8	43.5
PRMLxT1	2019-08-06 13:17:37	-50.8	46.2	47.4	49.2
PRMLxT1	2019-08-06 13:15:35	-49.0	-∞	-∞	-∞
PRMLxT1	2019-08-06 13:04:32	-50.8	27.1	30.9	21.8
PRMLxT1	2019-08-06 10:58:53	-49.0	21.0	18.6	10.8
PRMLxT1	2019-07-10 07:22:27	-50.8	58.2	69.2	66.1
PRMLxT2B	2019-10-22 17:12:25	-50.9	65.4	61.0	90.6
PRMLxT2B	2019-10-22 08:47:31	-50.9	69.5	80.2	82.2
PRMLxT2B	2019-05-31 11:58:05	-50.8	61.1	66.5	65.6
PRMLxT2B	2019-05-30 21:17:02	-50.8	51.5	57.1	54.6
PRMLxT2B	2019-05-30 21:16:28	-50.8	115.6	109.2	61.5
PRMLxT2B	2019-05-30 21:16:12	-50.8	59.7	59.4	59.2
PRMLxT2B	2019-05-28 18:25:14	-50.7	80.3	79.5	69.8
PRMLxT2B	2019-04-02 14:33:11	-50.8	57.7	68.1	64.7
PRMLxT2B	2019-04-02 14:32:56	-50.8	66.6	72.0	66.8
PRMLxT2B	2019-03-31 16:19:14	-51.1	54.1	57.9	49.9
PRMLxT2B	2019-03-31 11:12:18	-50.8	49.2	56.5	52.9

Summary

File Name on Meter	LxT_Data.060
File Name on PC	SLM_0005055_LxT_Data_060.02.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2019-11-20 08:09:59
Stop	2019-11-20 08:24:59
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2019-11-20 07:41:20
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Low
OBA Bandwidth	None
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Overload	144.8 dB

	A	C	Z
Under Range Peak	**101.0**	98.0	103.0 dB
Under Range Limit	**50.0**	48.0	56.0 dB
Noise Floor	36.9	37.5	45.1 dB

Results

L_{ASeq}	74.3 dB		
LASE	103.8 dB		
EAS	2.667 mPa^2h		
EAS8	85.336 mPa^2h		
EAS40	426.682 mPa^2h		
$L_{Apeak\ (max)}$	2019-11-20 08:20:58	114.5 dB	
L_{ASmax}	2019-11-20 08:12:35	91.5 dB	
L_{ASmin}	2019-11-20 08:11:47	39.3 dB	
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	14	20.9 s	
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s	
L_{Apeak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
L_{Apeak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
L_{Apeak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	
L_{CSeq}	78.0 dB		
L_{ASeq}	74.3 dB		
L_{CSeq} - L_{ASeq}	3.7 dB		
L_{AIeq}	79.9 dB		
L_{Aeq}	74.3 dB		
L_{AIeq} - L_{Aeq}	5.7 dB		

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	74.3					
$L_{S(max)}$	91.5	2019/11/20 8:12:35				
$L_{S(min)}$	39.3	2019/11/20 8:11:47				
$L_{Peak(max)}$	114.5	2019/11/20 8:20:58				

# Overloads	0	
Overload Duration	0.0 s	

Dose Settings

Dose Name	OSHA-1	OSHA-2	
Exchange Rate	5	5	dB
Threshold	90	80	dB
Criterion Level	90	90	dB
Criterion Duration	8	8	h

Results

Dose	0.00	0.10	%
Projected Dose	0.12	3.28	%
TWA (Projected)	41.7	65.4	dB
TWA (t)	16.7	40.4	dB
Lep (t)	59.2	59.2	dB

Statistics

LAS5.00	81.8 dB
LAS10.00	79.4 dB
LAS33.30	65.7 dB
LAS50.00	57.8 dB
LAS66.60	51.7 dB
LAS90.00	45.2 dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:41:20	-51.0	52.4	49.4	48.5
PRMLxT1	2019-11-20 07:41:06	-51.1	52.6	54.1	65.8
PRMLxT1	2019-10-23 11:57:55	-51.0	60.0	60.3	47.7
PRMLxT1	2019-10-23 11:57:40	-51.0	59.8	62.2	49.4
PRMLxT1	2019-08-07 13:02:08	-50.6	50.2	59.2	55.5
PRMLxT1	2019-08-06 13:48:09	-50.6	31.7	43.8	43.5
PRMLxT1	2019-08-06 13:17:37	-50.8	46.2	47.4	49.2
PRMLxT1	2019-08-06 13:15:35	-49.0	-∞	-∞	-∞
PRMLxT1	2019-08-06 13:04:32	-50.8	27.1	30.9	21.8
PRMLxT1	2019-08-06 10:58:53	-49.0	21.0	18.6	10.8
PRMLxT1	2019-07-10 07:22:27	-50.8	58.2	69.2	66.1
PRMLxT2B	2019-10-22 17:12:25	-50.9	65.4	61.0	90.6
PRMLxT2B	2019-10-22 08:47:31	-50.9	69.5	80.2	82.2
PRMLxT2B	2019-05-31 11:58:05	-50.8	61.1	66.5	65.6
PRMLxT2B	2019-05-30 21:17:02	-50.8	51.5	57.1	54.6
PRMLxT2B	2019-05-30 21:16:28	-50.8	115.6	109.2	61.5
PRMLxT2B	2019-05-30 21:16:12	-50.8	59.7	59.4	59.2
PRMLxT2B	2019-05-28 18:25:14	-50.7	80.3	79.5	69.8
PRMLxT2B	2019-04-02 14:33:11	-50.8	57.7	68.1	64.7
PRMLxT2B	2019-04-02 14:32:56	-50.8	66.6	72.0	66.8
PRMLxT2B	2019-03-31 16:19:14	-51.1	54.1	57.9	49.9
PRMLxT2B	2019-03-31 11:12:18	-50.8	49.2	56.5	52.9

Summary

File Name on Meter	LxT_Data.059
File Name on PC	SLM_0005055_LxT_Data_059.03.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2019-11-20 07:43:12
Stop	2019-11-20 07:58:12
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2019-11-20 07:41:21
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Low
OBA Bandwidth	None
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Overload	144.8 dB

	A	C	Z
Under Range Peak	**101.0**	98.0	103.0 dB
Under Range Limit	**50.0**	48.0	56.0 dB
Noise Floor	36.9	37.5	45.1 dB

Results

L_{ASeq}	63.3	dB
LASE	92.8	dB
EAS	211.843	µPa²h
EAS8	6.779	mPa²h
EAS40	33.895	mPa²h
$L_{Apeak\ (max)}$	2019-11-20 07:55:47	102.7 dB
L_{ASmax}	2019-11-20 07:55:57	84.2 dB
L_{ASmin}	2019-11-20 07:58:09	38.6 dB
SEA	-99.9	dB

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

L_{CSeq}	74.7	dB
L_{ASeq}	63.3	dB
L_{CSeq} - L_{ASeq}	11.4	dB
L_{AIeq}	65.9	dB
L_{Aeq}	63.3	dB
L_{AIeq} - L_{Aeq}	2.6	dB

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	63.3					
$L_{S(max)}$	84.2	2019/11/20 7:55:57				
$L_{S(min)}$	38.6	2019/11/20 7:58:09				
$L_{Peak(max)}$	102.7	2019/11/20 7:55:47				

# Overloads	0	
Overload Duration	0.0	s

Dose Settings

Dose Name	OSHA-1	OSHA-2
Exchange Rate	5	5 dB
Threshold	90	80 dB
Criterion Level	90	90 dB
Criterion Duration	8	8 h

Results

Dose	-99.9	0.01 %
Projected Dose	-99.9	0.21 %
TWA (Projected)	-99.9	45.4 dB
TWA (t)	-99.9	20.4 dB
Lep (t)	48.2	48.2 dB

Statistics

LAS5.00	63.4	dB
LAS10.00	58.8	dB
LAS33.30	49.4	dB
LAS50.00	45.4	dB
LAS66.60	43.3	dB
LAS90.00	40.7	dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:41:20	-51.0	52.4	49.4	48.5
PRMLxT1	2019-11-20 07:41:06	-51.1	52.6	54.1	65.8
PRMLxT1	2019-10-23 11:57:55	-51.0	60.0	60.3	47.7
PRMLxT1	2019-10-23 11:57:40	-51.0	59.8	62.2	49.4
PRMLxT1	2019-08-07 13:02:08	-50.6	50.2	59.2	55.5
PRMLxT1	2019-08-06 13:48:09	-50.6	31.7	43.8	43.5
PRMLxT1	2019-08-06 13:17:37	-50.8	46.2	47.4	49.2
PRMLxT1	2019-08-06 13:15:35	-49.0	-∞	-∞	-∞
PRMLxT1	2019-08-06 13:04:32	-50.8	27.1	30.9	21.8
PRMLxT1	2019-08-06 10:58:53	-49.0	21.0	18.6	10.8
PRMLxT1	2019-07-10 07:22:27	-50.8	58.2	69.2	66.1
PRMLxT2B	2019-10-22 17:12:25	-50.9	65.4	61.0	90.6
PRMLxT2B	2019-10-22 08:47:31	-50.9	69.5	80.2	82.2
PRMLxT2B	2019-05-31 11:58:05	-50.8	61.1	66.5	65.6
PRMLxT2B	2019-05-30 21:17:02	-50.8	51.5	57.1	54.6
PRMLxT2B	2019-05-30 21:16:28	-50.8	115.6	109.2	61.5
PRMLxT2B	2019-05-30 21:16:12	-50.8	59.7	59.4	59.2
PRMLxT2B	2019-05-28 18:25:14	-50.7	80.3	79.5	69.8
PRMLxT2B	2019-04-02 14:33:11	-50.8	57.7	68.1	64.7
PRMLxT2B	2019-04-02 14:32:56	-50.8	66.6	72.0	66.8
PRMLxT2B	2019-03-31 16:19:14	-51.1	54.1	57.9	49.9
PRMLxT2B	2019-03-31 11:12:18	-50.8	49.2	56.5	52.9

Summary

File Name on Meter	LxT_Data.062
File Name on PC	SLM_0005055_LxT_Data_062.02.ldbin
Serial Number	0005055
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2019-11-20 08:55:45
Stop	2019-11-20 09:10:45
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre Calibration	2019-11-20 07:41:20
Post Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRMLxT1
Microphone Correction	Off
Integration Method	Exponential
OBA Range	Low
OBA Bandwidth	None
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Overload	144.8 dB

	A	**C**	**Z**	
Under Range Peak	**101.0**	98.0	103.0	dB
Under Range Limit	**50.0**	48.0	56.0	dB
Noise Floor	36.9	37.5	45.1	dB

Results

L_{ASeq}	60.4	dB	
LASE	90.0	dB	
EAS	110.328	µPa²h	
EAS8	3.530	mPa²h	
EAS40	17.652	mPa²h	
$L_{Apeak\ (max)}$	2019-11-20 09:01:04	99.3	dB
L_{ASmax}	2019-11-20 09:10:28	84.4	dB
L_{ASmin}	2019-11-20 09:09:26	36.1	dB
SEA	-99.9	dB	

LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
L_{Apeak} > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s

L_{CSeq}	66.8	dB
L_{ASeq}	60.4	dB
L_{CSeq} - L_{ASeq}	6.4	dB
L_{AIeq}	64.2	dB
L_{Aeq}	60.4	dB
L_{AIeq} - L_{Aeq}	3.8	dB

	A		**C**		**Z**	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
L_{eq}	60.4					
$L_{S(max)}$	84.4	2019/11/20 9:10:28				
$L_{S(min)}$	36.1	2019/11/20 9:09:26				
$L_{Peak(max)}$	99.3	2019/11/20 9:01:04				

# Overloads	0	
Overload Duration	0.0	s

Dose Settings

Dose Name	OSHA-1	OSHA-2	
Exchange Rate	5	5	dB
Threshold	90	80	dB
Criterion Level	90	90	dB
Criterion Duration	8	8	h

Results

Dose	-99.9	0.00	%
Projected Dose	-99.9	0.09	%
TWA (Projected)	-99.9	39.5	dB
TWA (t)	-99.9	14.5	dB
Lep (t)	45.4	45.4	dB

Statistics

LAS5.00	60.4	dB
LAS10.00	54.3	dB
LAS33.30	45.0	dB
LAS50.00	42.9	dB
LAS66.60	41.5	dB
LAS90.00	39.8	dB

Calibration History

Preamp	**Date**	**dB re. 1V/Pa**	**6.3**	**8.0**	**10.0**
PRMLxT1	2019-11-20 07:41:20	-51.0	52.4	49.4	48.5
PRMLxT1	2019-11-20 07:41:06	-51.1	52.6	54.1	65.8
PRMLxT1	2019-10-23 11:57:55	-51.0	60.0	60.3	47.7
PRMLxT1	2019-10-23 11:57:40	-51.0	59.8	62.2	49.4
PRMLxT1	2019-08-07 13:02:08	-50.6	50.2	59.2	55.5
PRMLxT1	2019-08-06 13:48:09	-50.6	31.7	43.8	43.5
PRMLxT1	2019-08-06 13:17:37	-50.8	46.2	47.4	49.2
PRMLxT1	2019-08-06 13:15:35	-49.0	-∞	-∞	-∞
PRMLxT1	2019-08-06 13:04:32	-50.8	27.1	30.9	21.8
PRMLxT1	2019-08-06 10:58:53	-49.0	21.0	18.6	10.8
PRMLxT1	2019-07-10 07:22:27	-50.8	58.2	69.2	66.1
PRMLxT2B	2019-10-22 17:12:25	-50.9	65.4	61.0	90.6
PRMLxT2B	2019-10-22 08:47:31	-50.9	69.5	80.2	82.2
PRMLxT2B	2019-05-31 11:58:05	-50.8	61.1	66.5	65.6
PRMLxT2B	2019-05-30 21:17:02	-50.8	51.5	57.1	54.6
PRMLxT2B	2019-05-30 21:16:28	-50.8	115.6	109.2	61.5
PRMLxT2B	2019-05-30 21:16:12	-50.8	59.7	59.4	59.2
PRMLxT2B	2019-05-28 18:25:14	-50.7	80.3	79.5	69.8
PRMLxT2B	2019-04-02 14:33:11	-50.8	57.7	68.1	64.7
PRMLxT2B	2019-04-02 14:32:56	-50.8	66.6	72.0	66.8
PRMLxT2B	2019-03-31 16:19:14	-51.1	54.1	57.9	49.9
PRMLxT2B	2019-03-31 11:12:18	-50.8	49.2	56.5	52.9