

# Appendix D

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Noise Measurement Data and  
Noise Modeling Calculations

## SJSU Phase Main 1 (Demolition)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	677	65.0	Concrete Saw	90	0.2
San Fernando St	105	81.2	Excavator	85	0.4
10th St	100	81.6	Dozer	85	0.4
San Salvador St	75	84.1	Excavator	85	0.4
4th St	125	79.7			
Humboldt St	90	82.5			
Rose Pl	700	64.7			
Leininger Community Center	595	66.1			
Science Building	45	88.5			
Campus Village C	75	84.1			
Art and Design Building	50	87.6			

Ground Type	hard
Source Height	8
Receiver Height	5
Ground Factor <sup>2</sup>	0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Concrete Saw	83.0
Excavator	81.0
Dozer	81.0
Excavator	81.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

87.6

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Site Prep)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	599	65.0	Tractor	84	0.4
San Fernando St	105	80.1	Tractor	84	0.4
10th St	100	80.5	Dozer	85	0.4
San Salvador St	75	83.0	Dozer	85	0.4
4th St	125	78.6			
Humboldt St	90	81.5			
Rose Pl	700	63.6			
Leininger Community Center	595	65.1			
Science Building	45	87.5			
Campus Village C	75	83.0			
Art and Design Building	50	86.6			

Ground Type           hard  
Source Height           8  
Receiver Height        5  
Ground Factor<sup>2</sup>        0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Tractor	80.0
Tractor	80.0
Dozer	81.0
Dozer	81.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

86.6

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Grading)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	632	65.0	Excavator	85	0.4
San Fernando St	105	80.6	Grader	85	0.4
10th St	100	81.0	Dozer	85	0.4
San Salvador St	75	83.5	Scraper	85	0.4
4th St	125	79.1			
Humboldt St	90	81.9			
Rose Pl	700	64.1			
Leininger Community Center	595	65.5			
Science Building	45	88.0			
Campus Village C	75	83.5			
Art and Design Building	50	87.0			

Ground Type hard  
 Source Height 8  
 Receiver Height 5  
 Ground Factor<sup>2</sup> 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Excavator	81.0
Grader	81.0
Dozer	81.0
Scraper	81.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

87.0

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Construction)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	511	65.0	Crane	85	0.16
San Fernando St	105	78.8	Generator	82	0.5
10th St	100	79.2	Tractor	84	0.4
San Salvador St	75	81.7	Tractor	84	0.4
4th St	125	77.2			
Humboldt St	90	80.1			
Rose Pl	700	62.3			
Leininger Community Center	595	63.7			
Science Building	45	86.1			
Campus Village C	75	81.7			
Art and Design Building	50	85.2			

Ground Type hard  
 Source Height 8  
 Receiver Height 5  
 Ground Factor<sup>2</sup> 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Crane	77.0
Generator	79.0
Tractor	80.0
Tractor	80.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

85.2

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Paving)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	592	65.0	Paver	85	0.5
San Fernando St	105	80.0	Paver	85	0.5
10th St	100	80.4	Roller	85	0.2
San Salvador St	75	82.9	Roller	85	0.2
4th St	125	78.5			
Humboldt St	90	81.4			
Rose Pl	700	63.5			
Leininger Community Center	595	65.0			
Science Building	45	87.4			
Campus Village C	75	82.9			
Art and Design Building	50	86.5			

Ground Type           hard  
Source Height           8  
Receiver Height        5  
Ground Factor<sup>2</sup>        0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Paver	82.0
Paver	82.0
Roller	78.0
Roller	78.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

86.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Demolition

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	1,241	65.0	Concrete Saw	90	1
San Fernando St	105	86.5	Excavator	85	1
10th St	100	86.9	Dozer	85	1
San Salvador St	75	89.4	Excavator	85	1
4th St	125	84.9			
Humboldt St	90	87.8			
Rose Pl	700	70.0			
Leininger Community Center	595	71.4			
Science Building	45	93.8			
Campus Village C	75	89.4			
Art and Design Building	50	92.9			

Ground Type           hard  
Source Height           8  
Receiver Height       5  
Ground Factor<sup>2</sup>       0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Concrete Saw	90.0
Excavator	85.0
Dozer	85.0
Excavator	85.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

92.9

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Site Prep)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	947	65.0	Tractor	84	1
San Fernando St	105	84.1	Tractor	84	1
10th St	100	84.5	Dozer	85	1
San Salvador St	75	87.0	Dozer	85	1
4th St	125	82.6			
Humboldt St	90	85.4			
Rose Pl	700	67.6			
Leininger Community Center	595	69.0			
Science Building	45	91.5			
Campus Village C	75	87.0			
Art and Design Building	50	90.5			

Ground Type           hard  
Source Height           8  
Receiver Height        5  
Ground Factor<sup>2</sup>        0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Tractor	84.0
Tractor	84.0
Dozer	85.0
Dozer	85.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**  


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90.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.





**SJSU Phase Main 1 (Grading)**

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	1,000	65.0	Excavator	85	1
San Fernando St	105	84.6	Grader	85	1
10th St	100	85.0	Dozer	85	1
San Salvador St	75	87.5	Scraper	85	1
4th St	125	83.1			
Humboldt St	90	85.9			
Rose Pl	700	68.1			
Leininger Community Center	595	69.5			
Science Building	45	91.9			
Campus Village C	75	87.5			
Art and Design Building	50	91.0			

**Ground Type** hard  
**Source Height** 8  
**Receiver Height** 5  
**Ground Factor<sup>2</sup>** 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Excavator	85.0
Grader	85.0
Dozer	85.0
Scraper	85.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**  
 91.0

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.  
<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).  
<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).  
 $L_{eq}(equip) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$   
 Where: E.L. = Emission Level;  
 U.F. = Usage Factor;  
 G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and  
 D = Distance from source to receiver.



SJSU Phase Main 1 (Construction)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	879	65.0	Crane	85	1
San Fernando St	105	83.5	Generator	82	1
10th St	100	83.9	Tractor	84	1
San Salvador St	75	86.4	Tractor	84	1
4th St	125	81.9			
Humboldt St	90	84.8			
Rose Pl	700	67.0			
Leininger Community Center	595	68.4			
Science Building	45	90.8			
Campus Village C	75	86.4			
Art and Design Building	50	89.9			

Ground Type hard  
 Source Height 8  
 Receiver Height 5  
 Ground Factor<sup>2</sup> 0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Crane	85.0
Generator	82.0
Tractor	84.0
Tractor	84.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

89.9

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(\text{U.F.}) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.



SJSU Phase Main 1 (Paving)

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (L <sub>eq</sub> dBA)	Equipment	Reference Emission	
				Noise Levels (L <sub>max</sub> ) at 50 feet <sup>1</sup>	Usage Factor <sup>1</sup>
threshold	592	65.0	Paver	85	0.5
San Fernando St	105	80.0	Paver	85	0.5
10th St	100	80.4	Roller	85	0.2
San Salvador St	75	82.9	Roller	85	0.2
4th St	125	78.5			
Humboldt St	90	81.4			
Rose Pl	700	63.5			
Leininger Community Center	595	65.0			
Science Building	45	87.4			
Campus Village C	75	82.9			
Art and Design Building	50	86.5			

Ground Type           hard  
Source Height           8  
Receiver Height        5  
Ground Factor<sup>2</sup>        0.00

Predicted Noise Level <sup>3</sup>	L <sub>eq</sub> dBA at 50 feet <sup>3</sup>
Paver	82.0
Paver	82.0
Roller	78.0
Roller	78.0

**Combined Predicted Noise Level (L<sub>eq</sub> dBA at 50 feet)**

86.5

Sources:

<sup>1</sup> Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

<sup>2</sup> Based on Figure 6-5 from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 6-23).

<sup>3</sup> Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006 (pg 12-3).

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2006: pg 6-23); and

D = Distance from source to receiver.

Equipment Description	Acoustical Usage Factor (%)	Spec 721.560 Lmax @ 50ft (dBA slow)	Actual Measured Lmax @ 50ft (dBA slow)	No. of Actual Data Samples (count)	Spec 721.560 LmaxCalc	Spec 721.560 Leq	Distance	Actual Measured LmaxCalc	Actual Measured Leq
Auger Drill Rig	20	85	84	36	79.0	72.0	100	78.0	71.0
Backhoe	40	80	78	372	74.0	70.0	100	72.0	68.0
Bar Bender	20	80	na	0	74.0	67.0	100		
Blasting	na	94	na	0	88.0		100		
Boring Jack Power Unit	50	80	83	1	74.0	71.0	100	77.0	74.0
Chain Saw	20	85	84	46	79.0	72.0	100	78.0	71.0
Clam Shovel (dropping)	20	93	87	4	87.0	80.0	100	81.0	74.0
Compactor (ground)	20	80	83	57	74.0	67.0	100	77.0	70.0
Compressor (air)	40	80	78	18	74.0	70.0	100	72.0	68.0
Concrete Batch Plant	15	83	na	0	77.0	68.7	100		
Concrete Mixer Truck	40	85	79	40	79.0	75.0	100	73.0	69.0
Concrete Pump Truck	20	82	81	30	76.0	69.0	100	75.0	68.0
Concrete Saw	20	90	90	55	84.0	77.0	100	84.0	77.0
Crane	16	85	81	405	79.0	71.0	100	75.0	67.0
Dozer	40	85	82	55	79.0	75.0	100	76.0	72.0
Drill Rig Truck	20	84	79	22	78.0	71.0	100	73.0	66.0
Drum Mixer	50	80	80	1	74.0	71.0	100	74.0	71.0
Dump Truck	40	84	76	31	78.0	74.0	100	70.0	66.0
Excavator	40	85	81	170	79.0	75.0	100	75.0	71.0
Flat Bed Truck	40	84	74	4	78.0	74.0	100	68.0	64.0
Front End Loader	40	80	79	96	74.0	70.0	100	73.0	69.0
Generator	50	82	81	19	76.0	73.0	100	75.0	72.0
Generator (<25KVA, VMS s	50	70	73	74	64.0	61.0	100	67.0	64.0
Gradall	40	85	83	70	79.0	75.0	100	77.0	73.0
Grader	40	85	na	0	79.0	75.0	100		
Grapple (on Backhoe)	40	85	87	1	79.0	75.0	100	81.0	77.0
Horizontal Boring Hydr. Jac	25	80	82	6	74.0	68.0	100	76.0	70.0
Hydra Break Ram	10	90	na	0	84.0	74.0	100		
Impact Pile Driver	20	95	101	11	89.0	82.0	100	95.0	88.0
Jackhammer	20	85	89	133	79.0	72.0	100	83.0	76.0
Man Lift	20	85	75	23	79.0	72.0	100	69.0	62.0
Mounted Impact Hammer	20	90	90	212	84.0	77.0	100	84.0	77.0
Pavement Scarifier	20	85	90	2	79.0	72.0	100	84.0	77.0
Paver	50	85	77	9	79.0	76.0	100	71.0	68.0
Pickup Truck	40	55	75	1	49.0	45.0	100	69.0	65.0
Pneumatic Tools	50	85	85	90	79.0	76.0	100	79.0	76.0
Pumps	50	77	81	17	71.0	68.0	100	75.0	72.0
Refrigerator Unit	100	82	73	3	76.0	76.0	100	67.0	67.0
Rivit Buster/chipping gun	20	85	79	19	79.0	72.0	100	73.0	66.0
Rock Drill	20	85	81	3	79.0	72.0	100	75.0	68.0
Roller	20	85	80	16	79.0	72.0	100	74.0	67.0
Sand Blasting (Single Nozzl	20	85	96	9	79.0	72.0	100	90.0	83.0
Scraper	40	85	84	12	79.0	75.0	100	78.0	74.0
Shears (on backhoe)	40	85	96	5	79.0	75.0	100	90.0	86.0
Slurry Plant	100	78	78	1	72.0	72.0	100	72.0	72.0
Slurry Trenching Machine	50	82	80	75	76.0	73.0	100	74.0	71.0
Soil Mix Drill Rig	50	80	na	0	74.0	71.0	100		
Tractor	40	84	na	0	78.0	74.0	100		
Tugboat	40	87	74	4	81.0	77.0	100	68.0	64.0
Vacuum Excavator (Vac-tru	40	85	85	149	79.0	75.0	100	79.0	75.0
Vacuum Street Sweeper	10	80	82	19	74.0	64.0	100	76.0	66.0
Ventilation Fan	100	85	79	13	79.0	79.0	100	73.0	73.0
Vibrating Hopper	50	85	87	1	79.0	76.0	100	81.0	78.0
Vibratory Concrete Mixer	20	80	80	1	74.0	67.0	100	74.0	67.0
Vibratory Pile Driver	20	95	101	44	89.0	82.0	100	95.0	88.0
Warning Horn	5	85	83	12	79.0	66.0	100	77.0	64.0
Workboat	40	72	74	4	66.0	62.0	100	68.0	64.0
Welder / Torch	40	73	74	5	67.0	63.0	100	68.0	64.0

Source:

FHWA Roadway Construction Noise Model, January 2006. Table 9.1

U.S. Department of Transportation

CA/T Construction Spec. 721.560

## Attenuation Calculations for Stationary Noise Sources

**KEY:** Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

**STEP 1: Identify the noise source and enter the reference noise level (dBA and distance).**

**STEP 2: Select the ground type (hard or soft), and enter the source and receiver heights.**

**STEP 3: Select the distance to the receiver.**

Noise Source/ID	Reference Noise Level			Attenuation Characteristics				Attenuated Noise Level at Receptor		
	noise level (dBA)	@	distance (ft)	Ground Type (soft/hard)	Source Height (ft)	Receiver Height (ft)	Ground Factor	noise level (dBA)	@	distance (ft)
HVAC to 55 dba (Leq)	75.0	@	3	hard	8	5	0.00	55.0	@	30
HVAC (Lmax)	78.0	@	3	hard	8	5	0.00	55.1	@	42
HVAC to closest receptor	75.0	@	3	hard	8	5	0.00	46.5	@	80
				hard	8	5	0.00			
				hard	8	5	0.00			

**Notes:**

Estimates of attenuated noise levels do not account for reductions from intervening barriers, including walls, trees, vegetation, or structures of any type.

Computation of the attenuated noise level is based on the equation presented on pg. 176 and 177 of FTA 2018.

Computation of the ground factor is based on the equation presented in Table 4-26 on pg. 86 of FTA 2018, where the distance of the reference noise level can be adjusted and the usage factor is not applied (i.e., the usage factor is equal to 1).

**Sources:**

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment. Washington, D.C. Available: <[http://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123\\_0.pdf](http://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)> Accessed: March 5, 2020.

# Long-Term Noise Measurement Summary

- KEY:** Orange cells are for input.
- Grey cells are intermediate calculations performed by the model.
- Green cells are data to present in a written analysis (output).

**Measurement Site:** SJSU North Parking Garage  
**Measurement Date:** 9/12/23 to 9/13/23  
**Project Name:** SJSU Campus Master Plan

## Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dBA /10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	52.8	190,546	0	0	1	0	0	190,546
1:00	51.6	144,544	0	0	1	0	0	144,544
2:00	50.2	104,713	0	0	1	0	0	104,713
3:00	53.2	208,930	0	0	1	0	0	208,930
4:00	53.9	245,471	0	0	1	0	0	245,471
5:00	55.9	389,045	0	0	1	0	0	389,045
6:00	60.4	1,096,478	0	0	1	0	0	1,096,478
7:00	62.6	1,819,701	1	0	0	1,819,701	0	0
8:00	63.7	2,344,229	1	0	0	2,344,229	0	0
9:00	63.1	2,041,738	1	0	0	2,041,738	0	0
10:00	63.5	2,238,721	1	0	0	2,238,721	0	0
11:00	62.6	1,819,701	1	0	0	1,819,701	0	0
12:00	62.3	1,698,244	1	0	0	1,698,244	0	0
13:00	66.3	4,265,795	1	0	0	4,265,795	0	0
14:00	62.5	1,778,279	1	0	0	1,778,279	0	0
15:00	64.0	2,511,886	1	0	0	2,511,886	0	0
16:00	63.9	2,454,709	1	0	0	2,454,709	0	0
17:00	61.9	1,548,817	1	0	0	1,548,817	0	0
18:00	64.5	2,818,383	1	0	0	2,818,383	0	0
19:00	60.2	1,047,129	0	1	0	0	1,047,129	0
20:00	61.1	1,288,250	0	1	0	0	1,288,250	0
21:00	57.9	616,595	0	1	0	0	616,595	0
22:00	56.3	426,580	0	0	1	0	0	426,580
23:00	55.1	323,594	0	0	1	0	0	323,594
<b>Sum of Sound Power during Period wo/penalty</b>			27,340,203	2,951,973	3,129,900			
<b>Log Factor for CNEL Penalty (i.e., 10*log(x))</b>			1	3	10			
<b>Sound Power during Period with penalty</b>			27,340,203	8,855,919	31,298,999			
<b>Total Daily Sound Power, with penalties</b>			67,495,121					
<b>Hours per Day</b>			24					
<b>Average Hourly Sound Power, with penalties</b>			2,812,297					
<b>CNEL</b>			64.5					

Ldn computation on next page.

**Computation of Ldn**

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	190,546
0	1	0	144,544
0	1	0	104,713
0	1	0	208,930
0	1	0	245,471
0	1	0	389,045
0	1	0	1,096,478
1	0	1,819,701	0
1	0	2,344,229	0
1	0	2,041,738	0
1	0	2,238,721	0
1	0	1,819,701	0
1	0	1,698,244	0
1	0	4,265,795	0
1	0	1,778,279	0
1	0	2,511,886	0
1	0	2,454,709	0
1	0	1,548,817	0
1	0	2,818,383	0
1	0	1,047,129	0
1	0	1,288,250	0
1	0	616,595	0
0	1	0	426,580
0	1	0	323,594

<b>Sum of Sound Power during Period wo/penalty</b>	30,292,176	3,129,900
<b>Log Factor for Penalty (i.e., 10*log(x))</b>	1	10
<b>Sound Power during Period with penalty</b>	30,292,176	31,298,999
<b>Total Daily Sound Power, with penalties</b>		61,591,175
<b>Hours per Day</b>		24
<b>Average Hourly Sound Power, with penalties</b>		2,566,299
<b>Ldn</b>		64.1

**Notes:**

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

**Source:**

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.



## Long-Term Noise Measurement Summary

- KEY:** Orange cells are for input.  
 Grey cells are intermediate calculations performed by the model.  
 Green cells are data to present in a written analysis (output).

**Measurement Site:** SJSU Washburn Hall  
**Measurement Date:** 9/12/23 to 9/13/23  
**Project Name:** SJSU Campus Master Plan

### Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dBA /10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	52.2	165,959	0	0	1	0	0	165,959
1:00	52.9	194,984	0	0	1	0	0	194,984
2:00	50.3	107,152	0	0	1	0	0	107,152
3:00	50.0	100,000	0	0	1	0	0	100,000
4:00	53.6	229,087	0	0	1	0	0	229,087
5:00	56.9	489,779	0	0	1	0	0	489,779
6:00	63.0	1,995,262	0	0	1	0	0	1,995,262
7:00	60.2	1,047,129	1	0	0	1,047,129	0	0
8:00	64.4	2,754,229	1	0	0	2,754,229	0	0
9:00	60.4	1,096,478	1	0	0	1,096,478	0	0
10:00	59.8	954,993	1	0	0	954,993	0	0
11:00	60.5	1,122,018	1	0	0	1,122,018	0	0
12:00	58.6	724,436	1	0	0	724,436	0	0
13:00	56.1	407,380	1	0	0	407,380	0	0
14:00	59.0	794,328	1	0	0	794,328	0	0
15:00	58.0	630,957	1	0	0	630,957	0	0
16:00	56.5	446,684	1	0	0	446,684	0	0
17:00	57.8	602,560	1	0	0	602,560	0	0
18:00	56.5	446,684	1	0	0	446,684	0	0
19:00	58.3	676,083	0	1	0	0	676,083	0
20:00	55.2	331,131	0	1	0	0	331,131	0
21:00	54.9	309,030	0	1	0	0	309,030	0
22:00	55.3	338,844	0	0	1	0	0	338,844
23:00	52.5	177,828	0	0	1	0	0	177,828
<b>Sum of Sound Power during Period wo/penalty</b>						11,027,875	1,316,244	3,798,895
<b>Log Factor for CNEL Penalty (i.e., 10*log(x))</b>						1	3	10
<b>Sound Power during Period with penalty</b>						11,027,875	3,948,731	37,988,951
<b>Total Daily Sound Power, with penalties</b>						52,965,557		
<b>Hours per Day</b>						24		
<b>Average Hourly Sound Power, with penalties</b>						2,206,898		
<b>CNEL</b>						63.4		

*Ldn computation on next page.*



**Computation of Ldn**

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	165,959
0	1	0	194,984
0	1	0	107,152
0	1	0	100,000
0	1	0	229,087
0	1	0	489,779
0	1	0	1,995,262
1	0	1,047,129	0
1	0	2,754,229	0
1	0	1,096,478	0
1	0	954,993	0
1	0	1,122,018	0
1	0	724,436	0
1	0	407,380	0
1	0	794,328	0
1	0	630,957	0
1	0	446,684	0
1	0	602,560	0
1	0	446,684	0
1	0	676,083	0
1	0	331,131	0
1	0	309,030	0
0	1	0	338,844
0	1	0	177,828

<b>Sum of Sound Power during Period wo/penalty</b>	12,344,119	3,798,895
<b>Log Factor for Penalty (i.e., 10*log(x))</b>	1	10
<b>Sound Power during Period with penalty</b>	12,344,119	37,988,951
<b>Total Daily Sound Power, with penalties</b>	50,333,069	
<b>Hours per Day</b>	24	
<b>Average Hourly Sound Power, with penalties</b>	2,097,211	
<b>Ldn</b>		63.2

**Notes:**

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

**Source:**

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.



# Long-Term Noise Measurement Summary

- KEY:** Orange cells are for input.
- Grey cells are intermediate calculations performed by the model.
- Green cells are data to present in a written analysis (output).

**Measurement Site:** SJSU Washburn Hall  
**Measurement Date:** 9/12/23 to 9/13/23  
**Project Name:** SJSU Campus Master Plan

## Computation of CNEL

Hour of Day (military time)	Sound Level Leq (dBA)	Sound Power =10*Log(dBA /10)	Period of 24-Hour Day (1=included, 0=not)			Sound Power Breakdown by Period of Day		
			Day	Evening	Night	Day	Evening	Night
0:00	46.5	44,668	0	0	1	0	0	44,668
1:00	46.5	44,668	0	0	1	0	0	44,668
2:00	46.5	44,668	0	0	1	0	0	44,668
3:00	46.5	44,668	0	0	1	0	0	44,668
4:00	46.5	44,668	0	0	1	0	0	44,668
5:00	46.5	44,668	0	0	1	0	0	44,668
6:00	46.5	44,668	0	0	1	0	0	44,668
7:00	46.5	44,668	1	0	0	44,668	0	0
8:00	46.5	44,668	1	0	0	44,668	0	0
9:00	46.5	44,668	1	0	0	44,668	0	0
10:00	46.5	44,668	1	0	0	44,668	0	0
11:00	46.5	44,668	1	0	0	44,668	0	0
12:00	46.5	44,668	1	0	0	44,668	0	0
13:00	46.5	44,668	1	0	0	44,668	0	0
14:00	46.5	44,668	1	0	0	44,668	0	0
15:00	46.5	44,668	1	0	0	44,668	0	0
16:00	46.5	44,668	1	0	0	44,668	0	0
17:00	46.5	44,668	1	0	0	44,668	0	0
18:00	46.5	44,668	1	0	0	44,668	0	0
19:00	46.5	44,668	0	1	0	0	44,668	0
20:00	46.5	44,668	0	1	0	0	44,668	0
21:00	46.5	44,668	0	1	0	0	44,668	0
22:00	46.5	44,668	0	0	1	0	0	44,668
23:00	46.5	44,668	0	0	1	0	0	44,668

<b>Sum of Sound Power during Period wo/penalty</b>	536,020	134,005	402,015
<b>Log Factor for CNEL Penalty (i.e., 10*log(x))</b>	1	3	10
<b>Sound Power during Period with penalty</b>	536,020	402,015	4,020,152

<b>Total Daily Sound Power, with penalties</b>	4,958,188
<b>Hours per Day</b>	24
<b>Average Hourly Sound Power, with penalties</b>	206,591
<b>CNEL</b>	53.2

*Ldn computation on next page.*

**Computation of Ldn**

Period of 24-Hour Day (1=included, 0=not)		Sound Power Breakdown by Period of Day	
Day	Night	Day	Night
0	1	0	44,668
0	1	0	44,668
0	1	0	44,668
0	1	0	44,668
0	1	0	44,668
0	1	0	44,668
0	1	0	44,668
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
1	0	44,668	0
0	1	0	44,668
0	1	0	44,668

<b>Sum of Sound Power during Period wo/penalty</b>	670,025	402,015
<b>Log Factor for Penalty (i.e., 10*log(x))</b>	1	10
<b>Sound Power during Period with penalty</b>	670,025	4,020,152
<b>Total Daily Sound Power, with penalties</b>		4,690,178
<b>Hours per Day</b>		24
<b>Average Hourly Sound Power, with penalties</b>		195,424
<b>Ldn</b>		52.9

**Notes:**

Computation of the CNEL based on 1-hour Leq measurements for each hour of a day are based on equation 2-27 on pg. 2-57 of Caltrans 2009.

Computation of the Ldn based on 1-hour Leq measurements for each hour of a day are based on equation 2-26 on pg. 2-56 of Caltrans 2009.

Log factors for the Ldn and CNEL penalties are provided in Table 2-12 on pg. 2-52 of Caltrans 2009.

**Source:**

California Department of Transportation (Caltrans), Division of Environmental Analysis. 2009 (November). *2009 Technical Noise Supplement*. Sacramento, CA. Available: <<http://www.dot.ca.gov/hq/env/noise/>>. Accessed September 24, 2010.



Traffic Noise Spreadsheet Calculator

Project: SJSU Master Plan EIR

Number	Name	Segment Description and Location		Existing	Existing + Project	Δ Existing – Existing + Project	Cumulative	Δ Cumulative –	
		From	To					Cumulative + Project	Cumulative + Project
<b>Summary of Net Changes</b>									
1	E. San Fernando	S 4th Street	S 10th Street	67.2	67.4	0.2	68.5	68.7	0.2
2	4th Street	E. San Fernando Street	E. San Salvador Street	67.5	68.1	0.6	69.3	69.7	0.4
3	San Salvador Street	4th Street	10th Street	66.3	66.6	0.3	67.2	67.4	0.2
4	10th Street	E. San Fernando Street	E. San Salvador Street	68.2	68.3	0.1	68.9	69.0	0.1
5	10th Street	E. San Salvador Street	I-280 on-ramp	69.5	69.6	0.1	70.2	70.3	0.1
6	4th Street	E. San Salvador Street	I-280 on-ramp	67.1	67.4	0.3	68.1	68.3	0.2
7	7th Street	E. San Salvador Street	I-280 off-ramp	66.7	66.9	0.2	67.0	67.2	0.2
8	7th Street	E. Humboldt Street	I-280 on-ramp	68.3	69.2	0.9	69.0	69.8	0.8
9	7th Street	E. Humboldt Street	E. Alma Ave	66.9	68.5	1.6	69.8	70.7	0.9
10	10th Street	E. Humboldt Street	E. Alma Ave	70.3	71.2	0.9	71.1	71.9	0.8
11	10th Street	E. Humboldt Street	I-280 off-ramp	70.1	70.7	0.6	71.1	71.6	0.5
12	Senter Road	Story Road	E. Alma Avenue	67.1	67.6	0.5	69.4	69.7	0.3

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Traffic Noise Spreadsheet Calculator



Project: SJSU Master Plan EIR

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

				Input										Output					
Number	Name	Segment Description and Location		ADT	Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>					
		From	To			Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	64.5 dBA	70 dBA	65 dBA	60 dBA	
0																			
1	E. San Fernando	S 4th Street	S 10th Street	12,916	40	40	75	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.2	101	28	90	284	
2	4th Street	E. San Fernando Street	E. San Salvador Street	14,781	40	47	65	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.5	111	31	99	314	
3	San Salvador Street	4th Street	10th Street	11,133	40	41	81	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.3	88	25	78	247	
4	10th Street	E. San Fernando Street	E. San Salvador Street	17,882	40	49	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.2	135	38	120	380	
5	10th Street	E. San Salvador Street	I-280 on-ramp	19,561	40	35	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.5	153	43	137	432	
6	4th Street	E. San Salvador Street	I-280 on-ramp	12,011	40	38	70	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.1	94	26	83	264	
7	7th Street	E. San Salvador Street	I-280 off-ramp	10,409	40	37	64	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.7	80	23	72	227	
8	7th Street	E. Humboldt Street	I-280 on-ramp	14,308	40	35	61	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.3	111	31	99	312	
9	7th Street	E. Humboldt Street	E. Alma Ave	12,195	40	39	77	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.9	96	27	86	271	
10	10th Street	E. Humboldt Street	E. Alma Ave	22,374	40	33	66	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.3	177	50	157	498	
11	10th Street	E. Humboldt Street	I-280 off-ramp	22,537	40	37	63	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.1	174	49	155	490	
12	Senter Road	Story Road	E. Alma Avenue	21,866	45	107	150	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.1	231	65	206	651	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Traffic Noise Spreadsheet Calculator



Project: SJSU Master Plan EIR

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

Segment Description and Location				Input									Output						
Number	Name	From	To	ADT	Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>					
						Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	75 dBA	70 dBA	65 dBA	60 dBA	
0																			
1	E. San Fernando	S 4th Street	S 10th Street	13,640	40	40	75	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.4	9	30	95	300	
2	4th Street	E. San Fernando Street	E. San Salvador Street	16,860	40	47	65	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.1	11	36	113	358	
3	San Salvador Street	4th Street	10th Street	11,910	40	41	81	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.6	8	26	84	264	
4	10th Street	E. San Fernando Street	E. San Salvador Street	18,270	40	49	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.3	12	39	123	388	
5	10th Street	E. San Salvador Street	I-280 on-ramp	19,950	40	35	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.6	14	44	139	441	
6	4th Street	E. San Salvador Street	I-280 on-ramp	12,860	40	38	70	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.4	9	28	89	282	
7	7th Street	E. San Salvador Street	I-280 off-ramp	11,000	40	37	64	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	66.9	8	24	76	239	
8	7th Street	E. Humboldt Street	I-280 on-ramp	17,690	40	35	61	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.2	12	39	122	386	
9	7th Street	E. Humboldt Street	E. Alma Ave	17,660	40	39	77	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.5	12	39	124	392	
10	10th Street	E. Humboldt Street	E. Alma Ave	27,830	40	33	66	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.2	20	62	196	619	
11	10th Street	E. Humboldt Street	I-280 off-ramp	25,920	40	37	63	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.7	18	56	178	563	
12	Senter Road	Story Road	E. Alma Avenue	24,470	45	107	150	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.6	23	73	230	729	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Traffic Noise Spreadsheet Calculator



Project: SJSU Master Plan EIR

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

				Input									Output					
Number	Name	Segment Description and Location		ADT	Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>				
		From	To			Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	75 dBA	70 dBA	65 dBA	60 dBA
0																		
1	E. San Fernando	S 4th Street	S 10th Street	17,690	40	40	75	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.5	12	39	123	390
2	4th Street	E. San Fernando Street	E. San Salvador Street	22,200	40	47	65	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.3	15	47	149	472
3	San Salvador Street	4th Street	10th Street	13,570	40	41	81	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.2	10	30	95	301
4	10th Street	E. San Fernando Street	E. San Salvador Street	20,900	40	49	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.9	14	44	140	444
5	10th Street	E. San Salvador Street	I-280 on-ramp	23,100	40	35	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.2	16	51	161	510
6	4th Street	E. San Salvador Street	I-280 on-ramp	15,170	40	38	70	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.1	11	33	105	333
7	7th Street	E. San Salvador Street	I-280 off-ramp	11,150	40	37	64	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.0	8	24	77	243
8	7th Street	E. Humboldt Street	I-280 on-ramp	16,970	40	35	61	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	12	37	117	370
9	7th Street	E. Humboldt Street	E. Alma Ave	23,610	40	39	77	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.8	17	52	166	524
10	10th Street	E. Humboldt Street	E. Alma Ave	27,190	40	33	66	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.1	19	61	191	605
11	10th Street	E. Humboldt Street	I-280 off-ramp	28,620	40	37	63	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.1	20	62	197	622
12	Senter Road	Story Road	E. Alma Avenue	36,960	45	107	150	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.4	35	110	348	1101

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.

Traffic Noise Spreadsheet Calculator



Project: SJSU Master Plan EIR

Noise Level Descriptor: CNEL  
 Site Conditions: Hard  
 Traffic Input: ADT  
 Traffic K-Factor:

				Input										Output					
Number	Name	Segment Description and Location		ADT	Speed (mph)	Distance to Directional Centerline, (feet) <sub>4</sub>		Traffic Distribution Characteristics					CNEL, (dBA) <sub>5,6,7</sub>	Distance to Contour, (feet) <sub>3</sub>					
		From	To			Near	Far	% Auto	% Medium	% Heavy	% Day	% Eve		% Night	75 dBA	70 dBA	65 dBA	60 dBA	
0																			
1	E. San Fernando	S 4th Street	S 10th Street	18,410	40	40	75	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.7	13	41	128	405	
2	4th Street	E. San Fernando Street	E. San Salvador Street	24,280	40	47	65	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.7	16	52	163	516	
3	San Salvador Street	4th Street	10th Street	14,350	40	41	81	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.4	10	32	101	319	
4	10th Street	E. San Fernando Street	E. San Salvador Street	21,290	40	49	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.0	14	45	143	452	
5	10th Street	E. San Salvador Street	I-280 on-ramp	23,490	40	35	67	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.3	16	52	164	519	
6	4th Street	E. San Salvador Street	I-280 on-ramp	16,020	40	38	70	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	68.3	11	35	111	352	
7	7th Street	E. San Salvador Street	I-280 off-ramp	11,740	40	37	64	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	67.2	8	26	81	256	
8	7th Street	E. Humboldt Street	I-280 on-ramp	20,350	40	35	61	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.8	14	44	140	443	
9	7th Street	E. Humboldt Street	E. Alma Ave	29,070	40	39	77	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	70.7	20	65	204	645	
10	10th Street	E. Humboldt Street	E. Alma Ave	32,650	40	33	66	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.9	23	73	230	727	
11	10th Street	E. Humboldt Street	I-280 off-ramp	32,000	40	37	63	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	71.6	22	70	220	695	
12	Senter Road	Story Road	E. Alma Avenue	39,560	45	107	150	97.0%	2.0%	1.0%	80.0%	15.0%	5.0%	69.7	37	118	373	1178	

\*All modeling assumes average pavement, level roadways (less than 1.5% grade), constant traffic flow and does not account for shielding of any type or finite roadway adjustments. All levels are reported as A-weighted noise levels.



## SJSU Master Plan EIR Total Roadway Volumes

Index	Roadway Segment	From	To	Existing Condition (Counts)			Existing with Project Condition			Cumulative Condition (No Project)			Cumulative with Project Condition		
				Daily	AM Peak Hour	PM Peak Hour	Daily	AM Peak Hour	PM Peak Hour	Daily	AM Peak Hour	PM Peak Hour	Daily	AM Peak Hour	PM Peak Hour
1	E. San Fernando Street	S 4th Street	S 10th Street	12916	672	939	13640	720	1000	17690	970	1370	18410	1020	1430
2	4th Street	E. San Fernando Street	E. San Salvador Street	14781	560	1,219	16860	700	1400	22200	1050	1870	24280	1190	2050
3	San Salvador Street	4th Street	10th Street	11133	668	735	11910	730	800	13570	730	1050	14350	790	1110
4	10th Street	E. San Fernando Street	E. San Salvador Street	17882	756	1398	18270	790	1430	20900	790	1840	21290	820	1870
5	10th Street	E. San Salvador Street	I-280 on-ramp	19561	838	1515	19950	870	1550	23100	940	1960	23490	970	1990
6	4th Street	E. San Salvador Street	I-280 on-ramp	12011	340	991	12860	400	1060	15170	410	1410	16020	470	1480
7	7th Street	E. San Salvador Street	I-280 off-ramp	10409	710	653	11000	750	700	11150	780	690	11740	820	740
8	7th Street	E. Humboldt Street	I-280 on-ramp	14308	780	128	17690	1010	420	16970	960	360	20350	1190	650
9	7th Street	E. Humboldt Street	E. Alma Ave	12195	669	936	17660	1040	1410	23610	1260	2110	29070	1630	2580
10	10th Street	E. Humboldt Street	E. Alma Ave	22374	1162	1774	27830	1530	2240	27190	1710	1960	32650	2080	2430
11	10th Street	E. Humboldt Street	I-280 off-ramp	22537	924	1844	25920	1150	2130	28620	1090	2030	32000	1320	2320
12	Senter Road	Story Road	E. Alma Ave	21866	1491	1679	24470	1670	1900	36960	2610	2880	39560	2790	3100

Source: Data provided by Fehr & Peers 2024

Citation # Citations

- |    |  |  |
|----|--|--|
| 1  | Caltrans Technical Noise Supplement. 2009 (November). Table (5-11), Pg 5-60.   | Caltrans Technical Noise Supplement. 2013 (September). Table (4-2), Pg 4-17.     |
| 2  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-26), Pg 5-60.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (4-5), Pg 4-17.  |
| 3  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-16), Pg 2-32.  | FHWA 2004 TNM Version 2.5  |
| 4  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-11), Pg 5-47, 48.  | FHWA 2004 TNM Version 2.5  |
| 5  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-26), Pg 2-55, 56.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-23), Pg 2-55. |
| 6  | Caltrans Technical Noise Supplement. 2009 (November). Equation (2-27), Pg 2-57.  | Caltrans Technical Noise Supplement. 2013 (September). Equation (2-24), Pg 2-57. |
| 7  | Caltrans Technical Noise Supplement. 2009 (November). Pg 2-53.   | Caltrans Technical Noise Supplement. 2013 (September). Pg 2-57.                  |
| 8  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-7), Pg 5-45.   | FHWA 2004 TNM Version 2.5  |
| 9  | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-8), Pg 5-45.   | FHWA 2004 TNM Version 2.5  |
| 10 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-9), Pg 5-45.   | FHWA 2004 TNM Version 2.5  |
| 11 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-13), Pg 5-49.  | FHWA 2004 TNM Version 2.5  |
| 12 | Caltrans Technical Noise Supplement. 2009 (November). Equation (5-14), Pg 5-49.  | FHWA 2004 TNM Version 2.5  |
| 13 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (16), Pg 67 |  |
| 14 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (20), Pg 69 |  |
| 15 | Federal Highway Administration Traffic Noise Model Technical Manual. Report No. FHWA-PD-96-010. 1998 (January). Equation (18), Pg 69 |  |

References

California Department of Transportation (Caltrans). 2009 (November). Technical Noise Supplement. Available: [http://www.dot.ca.gov/hq/env/noise/pub/tens\\_complete.pdf](http://www.dot.ca.gov/hq/env/noise/pub/tens_complete.pdf). Accessed / 2017.

# Distance Propagation Calculations for Stationary Sources of Ground Vibration

**KEY:** Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

## STEP 1: Determine units in which to perform calculation.

- If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.
- If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

## STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

## STEP 3A: Select the distance to the receiver.

**Table A. Propagation of vibration decibels (VdB) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level		distance
	(VdB)	@	(ft)
Vibratory Roller at nearest structure	94	@	25
Vibratory Roller at 80 dBA threshold	94	@	25

Attenuated Noise Level at Receptor		
vibration level		distance
(VdB)	@	(ft)
79.7	@	75
80.0	@	73

The Lv metric (VdB) is used to assess the likelihood for vibration to result in human annoyance.

## STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

## STEP 3B: Select the distance to the receiver.

**Table B. Propagation of peak particle velocity (PPV) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level		distance
	(PPV)	@	(ft)
Vibratory Roller at nearest Receptor	0.210	@	25
Vibratory Roller at 0.2 PPV threshold	0.210	@	25

Attenuated Noise Level at Receptor		
vibration level		distance
(PPV)	@	(ft)
0.040	@	75
0.198	@	26

The PPV metric (in/sec) is used for assessing the likelihood for the potential of structural damage.

### Notes:

Computation of propagated vibration levels is based on the equations presented on pg. 185 of FTA 2018. Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. Washington, D.C. Accessed: December 20, 2020. Page Available:

[https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123\\_0.pdf](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)

# Distance Propagation Calculations for Stationary Sources of Ground Vibration



**KEY:** Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

## STEP 1: Determine units in which to perform calculation.

- If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.
- If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

## STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

## STEP 3A: Select the distance to the receiver.

**Table A. Propagation of vibration decibels (VdB) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level (VdB)	@	distance (ft)
Pile Driving (impact) at nearest structure (L <sub>v</sub> )	112	@	25
Pile Driving (impact) at 80 dBA threshold	112	@	25
Pile Driving (sonic) at nearest structure (S <sub>a</sub> )	105.0	@	25
Pile Driving (sonic) at 80 dBA threshold	105	@	25

Attenuated Noise Level at Receptor		
vibration level (VdB)	@	distance (ft)
97.7	@	75
80.0	@	292
90.7	@	75
80.0	@	170

The L<sub>v</sub> metric (VdB) is used to assess the likelihood for vibration to result in human annoyance.

## STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

## STEP 3B: Select the distance to the receiver.

**Table B. Propagation of peak particle velocity (PPV) with distance**

Noise Source/ID	Reference Noise Level		
	vibration level (PPV)	@	distance (ft)
Pile Driving (impact) at nearest structure (L <sub>v</sub> )	1.518	@	25
Pile Driving (impact) at 80 dBA threshold	1.518	@	25
Pile Driving (sonic) at nearest structure (S <sub>a</sub> )	0.734	@	25
Pile Driving (sonic) at 80 dBA threshold	0.734	@	25

Attenuated Noise Level at Receptor		
vibration level (PPV)	@	distance (ft)
0.292	@	75
0.199	@	97
0.141	@	75
0.202	@	59

The PPV metric (in/sec) is used for assessing the likelihood for the potential of structural damage.

### Notes:

Computation of propagated vibration levels is based on the equations presented on pg. 185 of FTA 2018. Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. Washington, D.C. Accessed: December 20, 2020. Page Available:

[https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123\\_0.pdf](https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf)

### Construction Equipment Vibration Levels

Equipment	PPV at 25 feet	Lv at 25 feet
Pile Driver (impact)	1.518	112
Pile Driver (sonic)	0.734	105
Clam Shovel Drop	0.202	94
Hydromill	0.017	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large Bulldozer	0.089	87
Caisson Drilling	0.089	87
Loaded Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58

### Summary

File Name on Meter	LxT_Data.156.s
File Name on PC	LxT_0003285-20230913 120252-LxT_Data.156.ldbin
Serial Number	0003285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

### Measurement

#### Description

Start	2023-09-13 12:02:52
Stop	2023-09-13 12:22:11
Duration	00:19:19.6
Run Time	00:19:19.6
Pause	00:00:00.0

Pre-Calibration	2023-09-13 12:02:02
Post-Calibration	None
Calibration Deviation	---

### Overall Settings

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	121.9 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	78.2	75.2	80.2 dB
Under Range Limit	26.2	25.9	31.1 dB
Noise Floor	16.5	16.8	21.9 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

**LASeq** 56.6 dB  
**LASE** 87.2 dB  
**EAS** 58.893  $\mu\text{Pa}^2\text{h}$   
**EAS8** 1.463  $\text{mPa}^2\text{h}$   
**EAS40** 7.313  $\text{mPa}^2\text{h}$   
**LZpeak (max)** 2023-09-13 12:08:55 93.7 dB  
**LASmax** 2023-09-13 12:11:05 66.7 dB  
**LASmin** 2023-09-13 12:16:25 51.8 dB  
**SEA** -99.9 dB

	Exceedance Counts	Duration
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZpeak > 135.0 dB	0	0.0 s
LZpeak > 137.0 dB	0	0.0 s
LZpeak > 140.0 dB	0	0.0 s

**LCSeq** 70.8 dB  
**LASEq** 56.6 dB  
**LCSeq - LASEq** 14.2 dB  
**LAlaq** 58.1 dB  
**LAeq** 56.7 dB  
**LAlaq - LAeq** 1.4 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	56.7					
LS(max)	66.7	2023/09/13 12:11:05				
LS(min)	51.8	2023/09/13 12:16:25				
LPeak(max)					93.7	2023/09/13 12:08:55

**Overload Count** 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** -99.94 -99.94 %  
**Projected Dose** -99.94 -99.94 %  
**TWA (Projected)** -99.9 -99.9 dB  
**TWA (t)** -99.9 -99.9 dB  
**Lep (t)** 42.6 42.6 dB

**Statistics**

**LAS 5.00** 60.8 dB  
**LAS 10.00** 58.9 dB  
**LAS 33.30** 55.4 dB  
**LAS 50.00** 54.4 dB  
**LAS 66.60** 53.8 dB  
**LAS 90.00** 52.7 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90
PRMLxT1L	2023-06-15 17:45:45	-28.14	65.45	52.00	56.45	56.40
PRMLxT1L	2023-06-02 10:25:34	-28.17	42.13	52.77	46.42	54.04
PRMLxT1L	2023-06-02 09:55:07	-28.21	54.76	54.16	48.18	50.42
PRMLxT1L	2023-06-02 09:33:27	-28.28	53.36	53.49	46.14	52.60



<b>16.0</b>	<b>20.0</b>	<b>25.0</b>	<b>31.5</b>	<b>40.0</b>	<b>50.0</b>	<b>63.0</b>	<b>80.0</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>315</b>	<b>400</b>	<b>500</b>	<b>630</b>	<b>800</b>	<b>1000</b>
63.44	61.91	63.26	67.82	68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96
53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92
58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89
47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03
53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04
81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02
62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92
56.28	61.07	64.86	65.87	66.76	61.34	58.74	79.37	69.26	70.35	79.65	67.15	68.11	60.22	60.58	59.43	61.65	52.84	114.00
53.33	52.49	65.47	61.97	57.15	61.52	60.22	57.69	56.76	57.99	52.45	51.29	52.98	51.43	58.09	59.71	50.77	41.20	114.03
56.81	58.37	59.83	57.01	56.29	52.26	50.96	51.36	49.09	46.61	48.10	48.76	48.61	49.01	57.24	54.67	45.13	39.44	114.05
52.95	56.44	57.95	54.90	59.03	54.84	56.64	63.28	53.82	57.57	55.20	55.53	55.87	52.71	53.45	47.27	45.30	47.04	113.93

<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>	<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
49.23	30.80	66.07	22.65	62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74
49.04	35.12	66.14	24.31	62.95	28.20	33.60	21.89	23.02	24.27	26.01	28.45	30.73
48.94	26.43	66.05	21.62	62.92	28.13	33.78	21.85	22.75	24.21	25.94	28.40	30.60
48.98	21.57	66.14	22.32	62.97	28.33	33.75	21.98	22.55	24.29	26.33	28.58	31.12
51.08	46.21	66.02	35.67	62.90	31.09	34.61	25.30	24.78	26.80	27.52	28.66	31.15

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-13	12:02:52	Run	Key	1	0	
2	2023-09-13	12:22:11	Stop	Key	1	0	

Statistics		
Level (dB)	Count	Percent
Under	0	0.00
51.8	21	0.02
51.9	395	0.34
52.0	922	0.80
52.1	1038	0.90
52.2	1231	1.06
52.3	1696	1.46
52.4	2313	1.99
52.5	2228	1.92
52.6	1684	1.45
52.7	1706	1.47
52.8	1918	1.65
52.9	1672	1.44
53.0	1915	1.65
53.1	2300	1.98
53.2	2762	2.38
53.3	3035	2.62
53.4	2889	2.49
53.5	3078	2.65
53.6	3128	2.70
53.7	2669	2.30
53.8	2384	2.06
53.9	2867	2.47
54.0	2885	2.49
54.1	3156	2.72
54.2	2960	2.55
54.3	2918	2.52
54.4	2465	2.13
54.5	2513	2.17
54.6	2229	1.92
54.7	2020	1.74
54.8	2275	1.96
54.9	2076	1.79
55.0	1783	1.54
55.1	1729	1.49
55.2	1822	1.57
55.3	1515	1.31
55.4	1527	1.32
55.5	1453	1.25
55.6	1314	1.13
55.7	934	0.81
55.8	1188	1.02
55.9	1244	1.07
56.0	1085	0.94
56.1	1214	1.05
56.2	979	0.84
56.3	932	0.80
56.4	1094	0.94
56.5	1154	1.00
56.6	1009	0.87
56.7	966	0.83
56.8	775	0.67
56.9	668	0.58
57.0	581	0.50
57.1	625	0.54
57.2	592	0.51
57.3	800	0.69
57.4	674	0.58

Statistics		
Level (dB)	Count	Percent
57.5	697	0.60
57.6	711	0.61
57.7	614	0.53
57.8	454	0.39
57.9	404	0.35
58.0	509	0.44
58.1	549	0.47
58.2	506	0.44
58.3	479	0.41
58.4	584	0.50
58.5	457	0.39
58.6	405	0.35
58.7	464	0.40
58.8	348	0.30
58.9	433	0.37
59.0	362	0.31
59.1	340	0.29
59.2	416	0.36
59.3	418	0.36
59.4	494	0.43
59.5	496	0.43
59.6	361	0.31
59.7	318	0.27
59.8	349	0.30
59.9	313	0.27
60.0	330	0.28
60.1	283	0.24
60.2	249	0.21
60.3	186	0.16
60.4	134	0.12
60.5	191	0.16
60.6	158	0.14
60.7	110	0.09
60.8	92	0.08
60.9	101	0.09
61.0	85	0.07
61.1	81	0.07
61.2	103	0.09
61.3	150	0.13
61.4	189	0.16
61.5	103	0.09
61.6	100	0.09
61.7	50	0.04
61.8	38	0.03
61.9	71	0.06
62.0	68	0.06
62.1	99	0.09
62.2	101	0.09
62.3	95	0.08
62.4	109	0.09
62.5	71	0.06
62.6	44	0.04
62.7	51	0.04
62.8	28	0.02
62.9	30	0.03
63.0	29	0.03
63.1	50	0.04
63.2	36	0.03

Statistics		
Level (dB)	Count	Percent
63.3	51	0.04
63.4	49	0.04
63.5	43	0.04
63.6	41	0.04
63.7	83	0.07
63.8	62	0.05
63.9	77	0.07
64.0	60	0.05
64.1	116	0.10
64.2	92	0.08
64.3	70	0.06
64.4	80	0.07
64.5	73	0.06
64.6	70	0.06
64.7	136	0.12
64.8	120	0.10
64.9	142	0.12
65.0	143	0.12
65.1	106	0.09
65.2	121	0.10
65.3	148	0.13
65.4	157	0.14
65.5	150	0.13
65.6	248	0.21
65.7	157	0.14
65.8	193	0.17
65.9	235	0.20
66.0	215	0.19
66.1	214	0.18
66.2	77	0.07
66.3	100	0.09
66.4	92	0.08
66.5	87	0.08
66.6	35	0.03
66.7	16	0.01
Over	0	0.00
<b>Total Count</b>	<b>115960</b>	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count	SPL 1 Duration	SPL 2 Count	SPL 2 Duration	Peak 1 Count	Peak 1 Duration
1	2023-09-13	12:02:52	00:19:19.6	00:19:19.6	00:00:00.0	56.6	87.2	51.8	12:16:25	66.7	12:11:05	93.7	12:08:55	0	0.0	0	0.0	0	0.0

Peak 2 Count	Peak 2 Duration	Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00	LAS33.30	LAS50.00	LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAleq	LAeq	LAleq - LAeq	Overload Count	Overload Duration	Comments
0	0.0	0	0.0	-99.9	-99.9	60.8	58.9	55.4	54.4	53.8	52.7	-99.9	70.8	56.6	14.2	58.1	56.7	1.4	0	0.0	



**Summary**

File Name on Meter	LxT_Data.157.s
File Name on PC	LxT_0003285-20230913 123142-LxT_Data.157.ldbin
Serial Number	0003285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

**Measurement**

Description	
Start	2023-09-13 12:31:42
Stop	2023-09-13 12:46:49
Duration	00:15:06.8
Run Time	00:15:06.8
Pause	00:00:00.0
Pre-Calibration	2023-09-13 12:31:27
Post-Calibration	None
Calibration Deviation	---

**Overall Settings**

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	121.7 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	78.1	75.1	80.1 dB
Under Range Limit	26.1	25.8	31.0 dB
Noise Floor	16.4	16.7	21.8 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

LASeq	60.1 dB		
LASE	89.7 dB		
EAS	103.102 $\mu\text{Pa}^2\text{h}$		
EAS8	3.275 $\text{mPa}^2\text{h}$		
EAS40	16.373 $\text{mPa}^2\text{h}$		
LZpeak (max)	2023-09-13 12:31:55	95.6 dB	
LASmax	2023-09-13 12:35:01	72.6 dB	
LASmin	2023-09-13 12:34:01	52.8 dB	
SEA	-99.9 dB		

	Exceedance Counts	Duration	
LAS > 85.0 dB	0	0.0 s	
LAS > 115.0 dB	0	0.0 s	
LZpeak > 135.0 dB	0	0.0 s	
LZpeak > 137.0 dB	0	0.0 s	
LZpeak > 140.0 dB	0	0.0 s	

LCSeq	69.5 dB
LASeq	60.1 dB
LCSeq - LASEq	9.4 dB
LALeq	62.2 dB
LAeq	60.1 dB
LALeq - LAeq	2.1 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	60.1					
LS(max)	72.6	2023/09/13 12:35:01				
LS(min)	52.8	2023/09/13 12:34:01				
LPeak(max)					95.6	2023/09/13 12:31:55

Overload Count	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	-99.94	-99.94 %
Projected Dose	-99.94	-99.94 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	45.1	45.1 dB

**Statistics**

LAS 5.00	65.9 dB
LAS 10.00	63.7 dB
LAS 33.30	58.5 dB
LAS 50.00	57.2 dB
LAS 66.60	56.1 dB
LAS 90.00	54.5 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2023-09-13 12:31:20	-28.08	60.89	65.61	69.40	62.35
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90
PRMLxT1L	2023-06-15 17:45:45	-28.14	65.45	52.00	56.45	56.40
PRMLxT1L	2023-06-02 10:25:34	-28.17	42.13	52.77	46.42	54.04
PRMLxT1L	2023-06-02 09:55:07	-28.21	54.76	54.16	48.18	50.42

16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630	800	1000
63.66	57.38	63.11	61.79	58.36	65.59	67.05	70.80	66.66	62.62	58.88	66.96	66.31	67.92	61.77	57.63	53.88	62.90	113.99
63.44	61.91	63.26	67.82	68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96
53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92
58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89
47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03
53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04
81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02
62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92
56.28	61.07	64.86	65.87	66.76	61.34	58.74	79.37	69.26	70.35	79.65	67.15	68.11	60.22	60.58	59.43	61.65	52.84	114.00
53.33	52.49	65.47	61.97	57.15	61.52	60.22	57.69	56.76	57.99	52.45	51.29	52.98	51.43	58.09	59.71	50.77	41.20	114.03
56.81	58.37	59.83	57.01	56.29	52.26	50.96	51.36	49.09	46.61	48.10	48.76	48.61	49.01	57.24	54.67	45.13	39.44	114.05

<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>	<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
64.16	54.98	71.22	58.72	67.20	63.42	60.27	59.26	57.99	56.91	51.03	52.63	52.60
49.23	30.80	66.07	22.65	62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74
49.04	35.12	66.14	24.31	62.95	28.20	33.60	21.89	23.02	24.27	26.01	28.45	30.73
48.94	26.43	66.05	21.62	62.92	28.13	33.78	21.85	22.75	24.21	25.94	28.40	30.60
48.98	21.57	66.14	22.32	62.97	28.33	33.75	21.98	22.55	24.29	26.33	28.58	31.12

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-13	12:31:27	Calibration Change	Key	0.15 dB	0	0
2	2023-09-13	12:31:42	Run	Key	1	0	0
3	2023-09-13	12:46:49	Stop	Key	1	0	0

Statistics

Level (dB)	Count	Percent
Under	0	0.00
52.8	111	0.12
52.9	170	0.19
53.0	194	0.21
53.1	159	0.18
53.2	292	0.32
53.3	245	0.27
53.4	223	0.25
53.5	435	0.48
53.6	476	0.52
53.7	439	0.48
53.8	718	0.79
53.9	751	0.83
54.0	933	1.03
54.1	860	0.95
54.2	827	0.91
54.3	853	0.94
54.4	924	1.02
54.5	731	0.81
54.6	779	0.86
54.7	706	0.78
54.8	795	0.88
54.9	887	0.98
55.0	967	1.07
55.1	1033	1.14
55.2	1258	1.39
55.3	1332	1.47
55.4	1512	1.67
55.5	1346	1.48
55.6	1815	2.00
55.7	1795	1.98
55.8	1882	2.08
55.9	1832	2.02
56.0	1725	1.90
56.1	1733	1.91
56.2	1839	2.03
56.3	1881	2.07
56.4	1804	1.99
56.5	1865	2.06
56.6	1687	1.86
56.7	1507	1.66
56.8	1131	1.25
56.9	961	1.06
57.0	933	1.03
57.1	871	0.96
57.2	952	1.05
57.3	1036	1.14
57.4	899	0.99
57.5	1045	1.15
57.6	1294	1.43
57.7	1049	1.16
57.8	946	1.04
57.9	926	1.02

Statistics

Level (dB)	Count	Percent
58.0	1227	1.35
58.1	1314	1.45
58.2	1359	1.50
58.3	1283	1.41
58.4	1248	1.38
58.5	1368	1.51
58.6	1317	1.45
58.7	1314	1.45
58.8	1176	1.30
58.9	1138	1.25
59.0	950	1.05
59.1	884	0.97
59.2	781	0.86
59.3	707	0.78
59.4	696	0.77
59.5	509	0.56
59.6	601	0.66
59.7	415	0.46
59.8	329	0.36
59.9	369	0.41
60.0	425	0.47
60.1	438	0.48
60.2	333	0.37
60.3	256	0.28
60.4	277	0.31
60.5	276	0.30
60.6	270	0.30
60.7	349	0.38
60.8	310	0.34
60.9	313	0.35
61.0	329	0.36
61.1	290	0.32
61.2	276	0.30
61.3	372	0.41
61.4	271	0.30
61.5	224	0.25
61.6	190	0.21
61.7	172	0.19
61.8	171	0.19
61.9	188	0.21
62.0	180	0.20
62.1	194	0.21
62.2	164	0.18
62.3	186	0.21
62.4	251	0.28
62.5	232	0.26
62.6	159	0.18
62.7	140	0.15
62.8	120	0.13
62.9	173	0.19
63.0	213	0.23
63.1	202	0.22
63.2	252	0.28



**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
63.3	262	0.29
63.4	202	0.22
63.5	266	0.29
63.6	225	0.25
63.7	159	0.18
63.8	188	0.21
63.9	205	0.23
64.0	235	0.26
64.1	198	0.22
64.2	132	0.15
64.3	182	0.20
64.4	203	0.22
64.5	180	0.20
64.6	182	0.20
64.7	193	0.21
64.8	217	0.24
64.9	162	0.18
65.0	158	0.17
65.1	217	0.24
65.2	221	0.24
65.3	252	0.28
65.4	250	0.28
65.5	247	0.27
65.6	275	0.30
65.7	250	0.28
65.8	230	0.25
65.9	194	0.21
66.0	222	0.24
66.1	140	0.15
66.2	131	0.14
66.3	145	0.16
66.4	186	0.21
66.5	168	0.19
66.6	135	0.15
66.7	116	0.13
66.8	143	0.16
66.9	104	0.11
67.0	97	0.11
67.1	123	0.14
67.2	145	0.16
67.3	108	0.12
67.4	161	0.18
67.5	132	0.15
67.6	103	0.11
67.7	142	0.16
67.8	170	0.19
67.9	101	0.11
68.0	83	0.09
68.1	98	0.11
68.2	80	0.09
68.3	83	0.09
68.4	83	0.09
68.5	75	0.08

Statistics		
Level (dB)	Count	Percent
68.6	71	0.08
68.7	84	0.09
68.8	61	0.07
68.9	52	0.06
69.0	41	0.05
69.1	50	0.06
69.2	65	0.07
69.3	76	0.08
69.4	52	0.06
69.5	70	0.08
69.6	36	0.04
69.7	36	0.04
69.8	18	0.02
69.9	19	0.02
70.0	18	0.02
70.1	18	0.02
70.2	25	0.03
70.3	15	0.02
70.4	24	0.03
70.5	53	0.06
70.6	30	0.03
70.7	55	0.06
70.8	36	0.04
70.9	73	0.08
71.0	13	0.01
71.1	3	0.00
71.2	5	0.01
71.3	5	0.01
71.4	4	0.00
71.5	4	0.00
71.6	6	0.01
71.7	4	0.00
71.8	4	0.00
71.9	5	0.01
72.0	3	0.00
72.1	6	0.01
72.2	5	0.01
72.3	6	0.01
72.4	9	0.01
72.5	13	0.01
72.6	3	0.00
Over	0	0.00
<b>Total Count</b>	<b>90680</b>	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count	SPL 1 Duration	SPL 2 Count
1	2023-09-13	12:31:42	00:15:06.8	00:15:06.8	00:00:00.0	60.1	89.7	52.8	12:34:01	72.6	12:35:01	95.6	12:31:55	0	0.0	0

<b>SPL 2 Duration</b>	<b>Peak 1 Count</b>	<b>Peak 1 Duration</b>	<b>Peak 2 Count</b>	<b>Peak 2 Duration</b>	<b>Peak 3 Count</b>	<b>Peak 3 Duration</b>	<b>TWA(Projected ) 0</b>	<b>TWA(Projected ) 1</b>	<b>LAS5.00</b>	<b>LAS10.00</b>
0.0	0	0.0	0	0.0	0	0.0	-99.9	-99.9	65.9	63.7

LAS33.30	LAS50.00	LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAleq	LAeq	LAleq - LAeq	Overload Count	Overload Duration	Comments
58.5	57.2	56.1	54.5	-99.9	69.5	60.1	9.4	62.2	60.1	2.1	0	0.0	

**Summary**

File Name on Meter	LxT_Data.158.s
File Name on PC	LxT_0003285-20230913 125527-LxT_Data.158.ldbin
Serial Number	0003285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

**Measurement**

Description	
Start	2023-09-13 12:55:27
Stop	2023-09-13 13:10:32
Duration	00:15:05.4
Run Time	00:15:05.4
Pause	00:00:00.0
Pre-Calibration	2023-09-13 12:55:11
Post-Calibration	None
Calibration Deviation	---

**Overall Settings**

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	121.7 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	78.1	75.1	80.1 dB
Under Range Limit	26.1	25.8	31.0 dB
Noise Floor	16.4	16.7	21.8 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

LASeq	65.4 dB		
LASE	95.0 dB		
EAS	348.817 $\mu\text{Pa}^2\text{h}$		
EAS8	11.096 $\text{mPa}^2\text{h}$		
EAS40	55.478 $\text{mPa}^2\text{h}$		
LZpeak (max)	2023-09-13 13:00:18		103.3 dB
LASmax	2023-09-13 13:00:19		82.0 dB
LASmin	2023-09-13 13:00:56		60.7 dB
SEA	-99.9 dB		

	Exceedance Counts	Duration	
LAS > 85.0 dB	0		0.0 s
LAS > 115.0 dB	0		0.0 s
LZpeak > 135.0 dB	0		0.0 s
LZpeak > 137.0 dB	0		0.0 s
LZpeak > 140.0 dB	0		0.0 s

LCSeq	80.3 dB
LASeq	65.4 dB
LCSeq - LAsEq	14.9 dB
LALeq	67.0 dB
LAeq	65.3 dB
LALeq - LAeq	1.7 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	65.3					
LS(max)	82.0	2023/09/13 13:00:19				
LS(min)	60.7	2023/09/13 13:00:56				
LPeak(max)					103.3	2023/09/13 13:00:18

Overload Count	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	-99.94	0.00 %
Projected Dose	-99.94	0.04 %
TWA (Projected)	-99.9	33.5 dB
TWA (t)	-99.9	8.5 dB
Lep (t)	50.4	50.4 dB

**Statistics**

LAS 5.00	68.7 dB
LAS 10.00	67.0 dB
LAS 33.30	64.6 dB
LAS 50.00	63.3 dB
LAS 66.60	62.4 dB
LAS 90.00	61.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2023-09-13 12:55:09	-28.07	46.14	54.91	58.27	58.21
PRMLxT1L	2023-09-13 12:31:20	-28.08	60.89	65.61	69.40	62.35
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90
PRMLxT1L	2023-06-15 17:45:45	-28.14	65.45	52.00	56.45	56.40
PRMLxT1L	2023-06-02 10:25:34	-28.17	42.13	52.77	46.42	54.04



<b>16.0</b>	<b>20.0</b>	<b>25.0</b>	<b>31.5</b>	<b>40.0</b>	<b>50.0</b>	<b>63.0</b>	<b>80.0</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>315</b>	<b>400</b>	<b>500</b>	<b>630</b>	<b>800</b>	<b>1000</b>
65.76	78.39	70.40	69.38	72.56	69.38	71.38	67.78	67.12	66.36	62.19	59.97	61.08	56.94	58.03	54.40	45.08	39.99	113.99
63.66	57.38	63.11	61.79	58.36	65.59	67.05	70.80	66.66	62.62	58.88	66.96	66.31	67.92	61.77	57.63	53.88	62.90	113.99
63.44	61.91	63.26	67.82	68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96
53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92
58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89
47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03
53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04
81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02
62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92
56.28	61.07	64.86	65.87	66.76	61.34	58.74	79.37	69.26	70.35	79.65	67.15	68.11	60.22	60.58	59.43	61.65	52.84	114.00
53.33	52.49	65.47	61.97	57.15	61.52	60.22	57.69	56.76	57.99	52.45	51.29	52.98	51.43	58.09	59.71	50.77	41.20	114.03

<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>	<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
48.90	23.12	66.03	22.05	62.90	27.80	33.33	21.64	22.74	23.92	25.95	28.34	30.86
64.16	54.98	71.22	58.72	67.20	63.42	60.27	59.26	57.99	56.91	51.03	52.63	52.60
49.23	30.80	66.07	22.65	62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74
49.04	35.12	66.14	24.31	62.95	28.20	33.60	21.89	23.02	24.27	26.01	28.45	30.73
48.94	26.43	66.05	21.62	62.92	28.13	33.78	21.85	22.75	24.21	25.94	28.40	30.60

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-13	12:55:11	Calibration Change	Key	0.00 dB	0	0
2	2023-09-13	12:55:27	Run	Key	1	0	0
3	2023-09-13	13:10:32	Stop	Key	1	0	0

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
<b>Under</b>	0	0.00
<b>60.7</b>	21	0.02
<b>60.8</b>	265	0.29
<b>60.9</b>	261	0.29
<b>61.0</b>	295	0.33
<b>61.1</b>	667	0.74
<b>61.2</b>	1178	1.30
<b>61.3</b>	1581	1.75
<b>61.4</b>	1606	1.77
<b>61.5</b>	2173	2.40
<b>61.6</b>	2391	2.64
<b>61.7</b>	2826	3.12
<b>61.8</b>	3222	3.56
<b>61.9</b>	2664	2.94
<b>62.0</b>	2746	3.03
<b>62.1</b>	2893	3.20
<b>62.2</b>	2585	2.86
<b>62.3</b>	1971	2.18
<b>62.4</b>	1636	1.81
<b>62.5</b>	1629	1.80
<b>62.6</b>	1750	1.93
<b>62.7</b>	1466	1.62
<b>62.8</b>	1668	1.84
<b>62.9</b>	1614	1.78
<b>63.0</b>	1580	1.75
<b>63.1</b>	1582	1.75
<b>63.2</b>	1608	1.78
<b>63.3</b>	1412	1.56
<b>63.4</b>	1720	1.90
<b>63.5</b>	1241	1.37
<b>63.6</b>	1200	1.33
<b>63.7</b>	1204	1.33
<b>63.8</b>	1088	1.20
<b>63.9</b>	1216	1.34
<b>64.0</b>	1393	1.54
<b>64.1</b>	1219	1.35
<b>64.2</b>	1303	1.44

Statistics

Level (dB)	Count	Percent
64.3	1052	1.16
64.4	1038	1.15
64.5	852	0.94
64.6	970	1.07
64.7	1155	1.28
64.8	1249	1.38
64.9	1309	1.45
65.0	1109	1.22
65.1	1165	1.29
65.2	1156	1.28
65.3	1081	1.19
65.4	904	1.00
65.5	788	0.87
65.6	640	0.71
65.7	840	0.93
65.8	889	0.98
65.9	992	1.10
66.0	770	0.85
66.1	1128	1.25
66.2	881	0.97
66.3	750	0.83
66.4	667	0.74
66.5	519	0.57
66.6	669	0.74
66.7	678	0.75
66.8	576	0.64
66.9	684	0.76
67.0	605	0.67
67.1	389	0.43
67.2	377	0.42
67.3	398	0.44
67.4	296	0.33
67.5	231	0.26
67.6	260	0.29
67.7	264	0.29
67.8	230	0.25
67.9	289	0.32

Statistics

Level (dB)	Count	Percent
68.0	288	0.32
68.1	193	0.21
68.2	209	0.23
68.3	121	0.13
68.4	139	0.15
68.5	117	0.13
68.6	160	0.18
68.7	107	0.12
68.8	83	0.09
68.9	96	0.11
69.0	134	0.15
69.1	135	0.15
69.2	108	0.12
69.3	84	0.09
69.4	84	0.09
69.5	77	0.09
69.6	72	0.08
69.7	117	0.13
69.8	124	0.14
69.9	109	0.12
70.0	160	0.18
70.1	125	0.14
70.2	128	0.14
70.3	133	0.15
70.4	81	0.09
70.5	134	0.15
70.6	87	0.10
70.7	55	0.06
70.8	74	0.08
70.9	64	0.07
71.0	96	0.11
71.1	62	0.07
71.2	51	0.06
71.3	48	0.05
71.4	40	0.04
71.5	46	0.05
71.6	56	0.06

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
71.7	45	0.05
71.8	79	0.09
71.9	58	0.06
72.0	34	0.04
72.1	34	0.04
72.2	37	0.04
72.3	36	0.04
72.4	31	0.03
72.5	38	0.04
72.6	45	0.05
72.7	40	0.04
72.8	54	0.06
72.9	49	0.05
73.0	52	0.06
73.1	48	0.05
73.2	46	0.05
73.3	52	0.06
73.4	17	0.02
73.5	15	0.02
73.6	21	0.02
73.7	14	0.02
73.8	13	0.01
73.9	23	0.03
74.0	18	0.02
74.1	26	0.03
74.2	24	0.03
74.3	27	0.03
74.4	15	0.02
74.5	21	0.02
74.6	24	0.03
74.7	16	0.02
74.8	26	0.03
74.9	29	0.03
75.0	25	0.03
75.1	24	0.03
75.2	35	0.04
75.3	19	0.02

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
75.4	23	0.03
75.5	21	0.02
75.6	18	0.02
75.7	25	0.03
75.8	18	0.02
75.9	16	0.02
76.0	31	0.03
76.1	35	0.04
76.2	35	0.04
76.3	49	0.05
76.4	41	0.05
76.5	5	0.01
76.6	7	0.01
76.7	7	0.01
76.8	8	0.01
76.9	6	0.01
77.0	5	0.01
77.1	5	0.01
77.2	4	0.00
77.3	4	0.00
77.4	5	0.01
77.5	4	0.00
77.6	5	0.01
77.7	4	0.00
77.8	4	0.00
77.9	5	0.01
78.0	5	0.01
78.1	4	0.00
78.2	5	0.01
78.3	4	0.00
78.4	4	0.00
78.5	4	0.00
78.6	5	0.01
78.7	5	0.01
78.8	5	0.01
78.9	5	0.01
79.0	4	0.00



**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
79.1	5	0.01
79.2	5	0.01
79.3	5	0.01
79.4	5	0.01
79.5	3	0.00
79.6	5	0.01
79.7	4	0.00
79.8	4	0.00
79.9	6	0.01
80.0	4	0.00
80.1	5	0.01
80.2	4	0.00
80.3	4	0.00
80.4	6	0.01
80.5	5	0.01
80.6	4	0.00
80.7	5	0.01
80.8	6	0.01
80.9	6	0.01
81.0	3	0.00
81.1	6	0.01
81.2	5	0.01
81.3	5	0.01
81.4	5	0.01
81.5	5	0.01
81.6	9	0.01
81.7	9	0.01
81.8	11	0.01
81.9	14	0.02
82.0	6	0.01
Over	0	0.00
<b>Total Count</b>	<b>90540</b>	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count	SPL 1 Duration	SPL 2 Count
1	2023-09-13	12:55:27	00:15:05.4	00:15:05.4	00:00:00.0	65.4	95.0	60.7	13:00:56	82.0	13:00:19	103.3	13:00:18	0	0.0	0

SPL 2 Duration	Peak 1 Count	Peak 1 Duration	Peak 2 Count	Peak 2 Duration	Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00	LAS33.30	LAS50.00
0.0	0	0.0	0	0.0	0	0.0	-99.9	33.5	68.7	67.0	64.6	63.3

LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAleq	LAeq	LAleq - LAeq	Overload Count	Overload Duration	Comments
62.4	61.6	-99.9	80.3	65.4	14.9	67.0	65.3	1.7	0	0.0	

**Summary**

**File Name on Meter** LxT\_Data.159.s  
**File Name on PC** LxT\_0003285-20230913 132417-LxT\_Data.159.ldbin  
**Serial Number** 0003285  
**Model** SoundTrack LxT®  
**Firmware Version** 2.302  
**User**  
**Location**  
**Job Description**  
**Note**

**Measurement**

**Description**  
**Start** 2023-09-13 13:24:17  
**Stop** 2023-09-13 13:39:23  
**Duration** 00:15:06.0  
**Run Time** 00:15:06.0  
**Pause** 00:00:00.0  
  
**Pre-Calibration** 2023-09-13 13:24:06  
**Post-Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** Z Weighting  
**Detector** Slow  
**Preamplifier** PRMLxT1L  
**Microphone Correction** Off  
**Integration Method** Exponential  
**Overload** 121.9 dB  

	<b>A</b>	<b>C</b>	<b>Z</b>
<b>Under Range Peak</b>	78.2	75.2	<b>80.2</b> dB
<b>Under Range Limit</b>	<b>26.2</b>	25.9	31.0 dB
<b>Noise Floor</b>	16.5	16.8	21.9 dB

  

	<b>First</b>	<b>Second</b>	<b>Third</b>
<b>Instrument Identification</b>			

**Results**

L <sub>A</sub> seq	60.5 dB	
L <sub>A</sub> SE	90.1 dB	
EAS	112.950 μPa <sup>2</sup> h	
EAS8	3.590 mPa <sup>2</sup> h	
EAS40	17.952 mPa <sup>2</sup> h	
L <sub>Z</sub> peak (max)	2023-09-13 13:24:28	113.2 dB
L <sub>A</sub> Smax	2023-09-13 13:24:28	77.9 dB
L <sub>A</sub> Smin	2023-09-13 13:27:50	51.3 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
L <sub>A</sub> S > 85.0 dB	0	0.0 s
L <sub>A</sub> S > 115.0 dB	0	0.0 s
L <sub>Z</sub> peak > 135.0 dB	0	0.0 s
L <sub>Z</sub> peak > 137.0 dB	0	0.0 s
L <sub>Z</sub> peak > 140.0 dB	0	0.0 s

L <sub>C</sub> seq	72.6 dB
L <sub>A</sub> seq	60.5 dB
L <sub>C</sub> seq - L <sub>A</sub> seq	12.1 dB
L <sub>A</sub> leq	66.9 dB
L <sub>A</sub> eq	60.4 dB
L <sub>A</sub> leq - L <sub>A</sub> eq	6.5 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L <sub>eq</sub>	60.4					
L <sub>S</sub> (max)	77.9	2023/09/13 13:24:28				
L <sub>S</sub> (min)	51.3	2023/09/13 13:27:50				
L <sub>Peak</sub> (max)					113.2	2023/09/13 13:24:28

Overload Count	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	-99.94	-99.94 %
Projected Dose	-99.94	-99.94 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
L <sub>ep</sub> (t)	45.5	45.5 dB

**Statistics**

L <sub>A</sub> S 5.00	65.7 dB
L <sub>A</sub> S 10.00	63.3 dB
L <sub>A</sub> S 33.30	58.7 dB
L <sub>A</sub> S 50.00	56.6 dB
L <sub>A</sub> S 66.60	55.3 dB
L <sub>A</sub> S 90.00	53.1 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5
PRMLxT1L	2023-09-13 13:24:04	-28.19	57.67	56.87	60.39	58.02	58.09	56.50	62.22	54.71
PRMLxT1L	2023-09-13 12:55:09	-28.07	46.14	54.91	58.27	58.21	65.76	78.39	70.40	69.38
PRMLxT1L	2023-09-13 12:31:20	-28.08	60.89	65.61	69.40	62.35	63.66	57.38	63.11	61.79
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52	63.44	61.91	63.26	67.82
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83	53.53	57.23	69.62	64.65
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61	58.09	62.82	67.71	61.72
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98	47.57	45.75	47.45	49.59
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96	53.68	49.31	49.02	52.67
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05	81.19	75.35	72.03	65.38
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90	62.16	62.46	57.57	56.86
PRMLxT1L	2023-06-15 17:45:45	-28.14	65.45	52.00	56.45	56.40	56.28	61.07	64.86	65.87

<b>40.0</b>	<b>50.0</b>	<b>63.0</b>	<b>80.0</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>315</b>	<b>400</b>	<b>500</b>	<b>630</b>	<b>800</b>	<b>1000</b>	<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>
63.31	60.49	60.33	57.19	54.44	59.00	51.69	50.68	51.46	48.81	49.57	46.49	38.51	31.60	113.87	48.78	19.57	65.84	21.48
72.56	69.38	71.38	67.78	67.12	66.36	62.19	59.97	61.08	56.94	58.03	54.40	45.08	39.99	113.99	48.90	23.12	66.03	22.05
58.36	65.59	67.05	70.80	66.66	62.62	58.88	66.96	66.31	67.92	61.77	57.63	53.88	62.90	113.99	64.16	54.98	71.22	58.72
68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96	49.23	30.80	66.07	22.65
62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92	48.88	19.93	66.20	21.89
60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89	48.90	18.38	66.04	22.06
48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03	48.86	20.16	66.18	22.39
57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04	48.94	18.87	66.23	22.36
59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02	49.24	31.27	66.18	22.56
53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92	49.16	36.26	65.94	25.60
66.76	61.34	58.74	79.37	69.26	70.35	79.65	67.15	68.11	60.22	60.58	59.43	61.65	52.84	114.00	49.04	35.12	66.14	24.31



<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
62.82	27.83	33.40	21.74	22.64	23.97	25.80	28.00	30.54
62.90	27.80	33.33	21.64	22.74	23.92	25.95	28.34	30.86
67.20	63.42	60.27	59.26	57.99	56.91	51.03	52.63	52.60
62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74
62.95	28.20	33.60	21.89	23.02	24.27	26.01	28.45	30.73

1	2023-09-13	13:24:06	Calibration Change	Key	-0.10 dB	0
2	2023-09-13	13:24:17	Run	Key	1	0
3	2023-09-13	13:39:23	Stop	Key	1	0

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
<b>Under</b>	0	0.00
<b>51.3</b>	100	0.11
<b>51.4</b>	223	0.25
<b>51.5</b>	82	0.09
<b>51.6</b>	64	0.07
<b>51.7</b>	322	0.36
<b>51.8</b>	456	0.50
<b>51.9</b>	440	0.49
<b>52.0</b>	371	0.41
<b>52.1</b>	392	0.43
<b>52.2</b>	503	0.56
<b>52.3</b>	534	0.59
<b>52.4</b>	741	0.82
<b>52.5</b>	719	0.79
<b>52.6</b>	666	0.74
<b>52.7</b>	703	0.78
<b>52.8</b>	710	0.78
<b>52.9</b>	751	0.83
<b>53.0</b>	1261	1.39
<b>53.1</b>	1166	1.29
<b>53.2</b>	855	0.94
<b>53.3</b>	683	0.75
<b>53.4</b>	886	0.98
<b>53.5</b>	837	0.92
<b>53.6</b>	980	1.08
<b>53.7</b>	990	1.09
<b>53.8</b>	908	1.00
<b>53.9</b>	783	0.86
<b>54.0</b>	783	0.86
<b>54.1</b>	948	1.05
<b>54.2</b>	927	1.02
<b>54.3</b>	921	1.02
<b>54.4</b>	1037	1.14
<b>54.5</b>	1010	1.11
<b>54.6</b>	897	0.99
<b>54.7</b>	874	0.96
<b>54.8</b>	843	0.93
<b>54.9</b>	969	1.07
<b>55.0</b>	1013	1.12
<b>55.1</b>	931	1.03
<b>55.2</b>	1058	1.17
<b>55.3</b>	1163	1.28

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
55.4	1065	1.18
55.5	1075	1.19
55.6	1085	1.20
55.7	1432	1.58
55.8	1265	1.40
55.9	1316	1.45
56.0	1096	1.21
56.1	1045	1.15
56.2	1153	1.27
56.3	1220	1.35
56.4	1252	1.38
56.5	1155	1.27
56.6	942	1.04
56.7	1009	1.11
56.8	955	1.05
56.9	903	1.00
57.0	809	0.89
57.1	679	0.75
57.2	612	0.68
57.3	571	0.63
57.4	681	0.75
57.5	629	0.69
57.6	569	0.63
57.7	566	0.62
57.8	592	0.65
57.9	673	0.74
58.0	707	0.78
58.1	659	0.73
58.2	650	0.72
58.3	674	0.74
58.4	769	0.85
58.5	752	0.83
58.6	804	0.89
58.7	574	0.63
58.8	572	0.63
58.9	522	0.58
59.0	539	0.59
59.1	531	0.59
59.2	625	0.69
59.3	617	0.68
59.4	626	0.69
59.5	755	0.83

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
59.6	640	0.71
59.7	532	0.59
59.8	614	0.68
59.9	656	0.72
60.0	854	0.94
60.1	729	0.80
60.2	665	0.73
60.3	563	0.62
60.4	642	0.71
60.5	463	0.51
60.6	464	0.51
60.7	684	0.75
60.8	647	0.71
60.9	434	0.48
61.0	333	0.37
61.1	340	0.38
61.2	369	0.41
61.3	409	0.45
61.4	380	0.42
61.5	465	0.51
61.6	434	0.48
61.7	539	0.59
61.8	386	0.43
61.9	406	0.45
62.0	375	0.41
62.1	356	0.39
62.2	247	0.27
62.3	247	0.27
62.4	285	0.31
62.5	258	0.28
62.6	259	0.29
62.7	237	0.26
62.8	277	0.31
62.9	272	0.30
63.0	290	0.32
63.1	269	0.30
63.2	264	0.29
63.3	284	0.31
63.4	267	0.29
63.5	205	0.23
63.6	190	0.21
63.7	202	0.22

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
63.8	175	0.19
63.9	153	0.17
64.0	190	0.21
64.1	117	0.13
64.2	121	0.13
64.3	132	0.15
64.4	230	0.25
64.5	171	0.19
64.6	210	0.23
64.7	150	0.17
64.8	167	0.18
64.9	226	0.25
65.0	213	0.24
65.1	133	0.15
65.2	147	0.16
65.3	211	0.23
65.4	247	0.27
65.5	166	0.18
65.6	134	0.15
65.7	152	0.17
65.8	162	0.18
65.9	149	0.16
66.0	119	0.13
66.1	109	0.12
66.2	122	0.13
66.3	103	0.11
66.4	101	0.11
66.5	75	0.08
66.6	81	0.09
66.7	88	0.10
66.8	127	0.14
66.9	167	0.18
67.0	152	0.17
67.1	148	0.16
67.2	139	0.15
67.3	55	0.06
67.4	47	0.05
67.5	47	0.05
67.6	47	0.05
67.7	48	0.05
67.8	49	0.05
67.9	55	0.06

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
68.0	42	0.05
68.1	51	0.06
68.2	75	0.08
68.3	45	0.05
68.4	45	0.05
68.5	43	0.05
68.6	47	0.05
68.7	72	0.08
68.8	63	0.07
68.9	64	0.07
69.0	57	0.06
69.1	62	0.07
69.2	64	0.07
69.3	46	0.05
69.4	40	0.04
69.5	43	0.05
69.6	40	0.04
69.7	44	0.05
69.8	57	0.06
69.9	44	0.05
70.0	70	0.08
70.1	50	0.06
70.2	39	0.04
70.3	36	0.04
70.4	35	0.04
70.5	46	0.05
70.6	42	0.05
70.7	36	0.04
70.8	38	0.04
70.9	32	0.04
71.0	39	0.04
71.1	42	0.05
71.2	46	0.05
71.3	26	0.03
71.4	41	0.05
71.5	24	0.03
71.6	33	0.04
71.7	24	0.03
71.8	40	0.04
71.9	37	0.04
72.0	37	0.04
72.1	41	0.05

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
72.2	29	0.03
72.3	11	0.01
72.4	12	0.01
72.5	12	0.01
72.6	17	0.02
72.7	13	0.01
72.8	14	0.02
72.9	10	0.01
73.0	10	0.01
73.1	9	0.01
73.2	11	0.01
73.3	12	0.01
73.4	11	0.01
73.5	11	0.01
73.6	8	0.01
73.7	11	0.01
73.8	10	0.01
73.9	11	0.01
74.0	10	0.01
74.1	11	0.01
74.2	14	0.02
74.3	14	0.02
74.4	24	0.03
74.5	25	0.03
74.6	3	0.00
74.7	2	0.00
74.8	3	0.00
74.9	3	0.00
75.0	3	0.00
75.1	2	0.00
75.2	3	0.00
75.3	3	0.00
75.4	3	0.00
75.5	3	0.00
75.6	2	0.00
75.7	3	0.00
75.8	3	0.00
75.9	3	0.00
76.0	3	0.00
76.1	2	0.00
76.2	3	0.00
76.3	2	0.00



Statistics		
Level (dB)	Count	Percent
76.4	3	0.00
76.5	3	0.00
76.6	2	0.00
76.7	3	0.00
76.8	2	0.00
76.9	3	0.00
77.0	3	0.00
77.1	2	0.00
77.2	3	0.00
77.3	2	0.00
77.4	3	0.00
77.5	2	0.00
77.6	3	0.00
77.7	2	0.00
77.8	3	0.00
77.9	2	0.00
Over	0	0.00
<b>Total Count</b>	90600	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count	SPL 1 Duration
1	2023-09-13	13:24:17	00:15:06.0	00:15:06.0	00:00:00.0	60.5	90.1	51.3	13:27:50	77.9	13:24:28	113.2	13:24:28	0	0.0

SPL 2 Count	SPL 2 Duration	Peak 1 Count	Peak 1 Duration	Peak 2 Count	Peak 2 Duration	Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00
0	0.0	0	0.0	0	0.0	0	0.0	-99.9	-99.9	65.7	63.3

LAS33.30	LAS50.00	LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAleq	LAeq	LAleq - LAeq	Overload Count	Overload Duration	Comments
58.7	56.6	55.3	53.1	-99.9	72.6	60.5	12.1	66.9	60.4	6.5	0	0.0	

**Summary**

File Name on Meter	LxT_Data.160.s
File Name on PC	LxT_0003285-20230913 140801-LxT_Data.160.ldbin
Serial Number	0003285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

**Measurement**

Description	
Start	2023-09-13 14:08:01
Stop	2023-09-13 14:23:03
Duration	00:15:02.3
Run Time	00:15:02.3
Pause	00:00:00.0
Pre-Calibration	2023-09-13 14:07:34
Post-Calibration	None
Calibration Deviation	---

**Overall Settings**

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	121.9 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	78.2	75.2	80.2 dB
Under Range Limit	26.2	25.9	31.1 dB
Noise Floor	16.5	16.8	21.9 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

LASeq	58.2 dB	
LASE	87.8 dB	
EAS	66.238 $\mu\text{Pa}^2\text{h}$	
EAS8	2.114 $\text{mPa}^2\text{h}$	
EAS40	10.571 $\text{mPa}^2\text{h}$	
LZpeak (max)	2023-09-13 14:08:54	106.0 dB
LASmax	2023-09-13 14:08:54	71.3 dB
LASmin	2023-09-13 14:16:12	43.4 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZpeak > 135.0 dB	0	0.0 s
LZpeak > 137.0 dB	0	0.0 s
LZpeak > 140.0 dB	0	0.0 s

LCSeq	68.3 dB
LASeq	58.2 dB
LCSeq - LASeq	10.1 dB
LAleq	63.0 dB
LAeq	58.2 dB
LAleq - LAeq	4.8 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	58.2					
LS(max)	71.3	2023/09/13 14:08:54				
LS(min)	43.4	2023/09/13 14:16:12				
LPeak(max)					106.0	2023/09/13 14:08:54

Overload Count	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	-99.94	-99.94 %
Projected Dose	-99.94	-99.94 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	43.2	43.2 dB

**Statistics**

LAS 5.00	62.5 dB
LAS 10.00	61.5 dB
LAS 33.30	58.6 dB
LAS 50.00	56.9 dB
LAS 66.60	54.9 dB
LAS 90.00	49.8 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2023-09-13 14:07:32	-28.19	65.05	53.41	57.58	59.45
PRMLxT1L	2023-09-13 13:24:04	-28.19	57.67	56.87	60.39	58.02
PRMLxT1L	2023-09-13 12:55:09	-28.07	46.14	54.91	58.27	58.21
PRMLxT1L	2023-09-13 12:31:20	-28.08	60.89	65.61	69.40	62.35
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90

<b>16.0</b>	<b>20.0</b>	<b>25.0</b>	<b>31.5</b>	<b>40.0</b>	<b>50.0</b>	<b>63.0</b>	<b>80.0</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>315</b>	<b>400</b>	<b>500</b>	<b>630</b>	<b>800</b>	<b>1000</b>
53.70	52.10	53.72	55.60	54.01	57.60	65.31	56.14	54.74	55.77	48.92	51.06	50.62	45.25	49.81	61.57	48.95	43.62	113.98
58.09	56.50	62.22	54.71	63.31	60.49	60.33	57.19	54.44	59.00	51.69	50.68	51.46	48.81	49.57	46.49	38.51	31.60	113.87
65.76	78.39	70.40	69.38	72.56	69.38	71.38	67.78	67.12	66.36	62.19	59.97	61.08	56.94	58.03	54.40	45.08	39.99	113.99
63.66	57.38	63.11	61.79	58.36	65.59	67.05	70.80	66.66	62.62	58.88	66.96	66.31	67.92	61.77	57.63	53.88	62.90	113.99
63.44	61.91	63.26	67.82	68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96
53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92
58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89
47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03
53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04
81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02
62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92



<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>	<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
48.95	30.80	66.00	21.77	62.90	27.93	33.56	21.71	22.82	24.10	25.77	28.37	30.80
48.78	19.57	65.84	21.48	62.82	27.83	33.40	21.74	22.64	23.97	25.80	28.00	30.54
48.90	23.12	66.03	22.05	62.90	27.80	33.33	21.64	22.74	23.92	25.95	28.34	30.86
64.16	54.98	71.22	58.72	67.20	63.42	60.27	59.26	57.99	56.91	51.03	52.63	52.60
49.23	30.80	66.07	22.65	62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-13	14:07:34	Calibration Change	Key	0.00 dB	0	0
2	2023-09-13	14:08:01	Run	Key	1	0	0
3	2023-09-13	14:23:03	Stop	Key	1	0	0

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
<b>Under</b>	0	0.00
<b>43.4</b>	9	0.01
<b>43.5</b>	42	0.05
<b>43.6</b>	93	0.10
<b>43.7</b>	116	0.13
<b>43.8</b>	91	0.10
<b>43.9</b>	77	0.09
<b>44.0</b>	60	0.07
<b>44.1</b>	33	0.04
<b>44.2</b>	73	0.08
<b>44.3</b>	49	0.05
<b>44.4</b>	89	0.10
<b>44.5</b>	27	0.03
<b>44.6</b>	17	0.02
<b>44.7</b>	22	0.02
<b>44.8</b>	21	0.02
<b>44.9</b>	32	0.04
<b>45.0</b>	26	0.03
<b>45.1</b>	21	0.02
<b>45.2</b>	18	0.02
<b>45.3</b>	54	0.06
<b>45.4</b>	118	0.13
<b>45.5</b>	38	0.04
<b>45.6</b>	60	0.07
<b>45.7</b>	33	0.04
<b>45.8</b>	52	0.06
<b>45.9</b>	44	0.05
<b>46.0</b>	38	0.04
<b>46.1</b>	41	0.05
<b>46.2</b>	116	0.13
<b>46.3</b>	141	0.16
<b>46.4</b>	108	0.12
<b>46.5</b>	131	0.15
<b>46.6</b>	134	0.15
<b>46.7</b>	137	0.15
<b>46.8</b>	139	0.15
<b>46.9</b>	92	0.10
<b>47.0</b>	109	0.12
<b>47.1</b>	153	0.17
<b>47.2</b>	186	0.21
<b>47.3</b>	186	0.21
<b>47.4</b>	202	0.22

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
47.5	232	0.26
47.6	229	0.25
47.7	252	0.28
47.8	193	0.21
47.9	235	0.26
48.0	247	0.27
48.1	237	0.26
48.2	222	0.25
48.3	154	0.17
48.4	175	0.19
48.5	263	0.29
48.6	264	0.29
48.7	253	0.28
48.8	266	0.29
48.9	240	0.27
49.0	245	0.27
49.1	297	0.33
49.2	370	0.41
49.3	250	0.28
49.4	260	0.29
49.5	254	0.28
49.6	274	0.30
49.7	296	0.33
49.8	243	0.27
49.9	263	0.29
50.0	277	0.31
50.1	241	0.27
50.2	225	0.25
50.3	201	0.22
50.4	215	0.24
50.5	251	0.28
50.6	204	0.23
50.7	223	0.25
50.8	273	0.30
50.9	285	0.32
51.0	379	0.42
51.1	384	0.43
51.2	373	0.41
51.3	368	0.41
51.4	506	0.56
51.5	428	0.47
51.6	354	0.39

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
51.7	350	0.39
51.8	378	0.42
51.9	334	0.37
52.0	411	0.46
52.1	458	0.51
52.2	497	0.55
52.3	501	0.56
52.4	613	0.68
52.5	588	0.65
52.6	774	0.86
52.7	699	0.77
52.8	541	0.60
52.9	464	0.51
53.0	471	0.52
53.1	490	0.54
53.2	443	0.49
53.3	364	0.40
53.4	360	0.40
53.5	406	0.45
53.6	456	0.51
53.7	379	0.42
53.8	373	0.41
53.9	497	0.55
54.0	634	0.70
54.1	494	0.55
54.2	494	0.55
54.3	386	0.43
54.4	417	0.46
54.5	457	0.51
54.6	412	0.46
54.7	496	0.55
54.8	691	0.77
54.9	698	0.77
55.0	753	0.83
55.1	785	0.87
55.2	824	0.91
55.3	855	0.95
55.4	705	0.78
55.5	594	0.66
55.6	628	0.70
55.7	545	0.60
55.8	536	0.59

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
55.9	574	0.64
56.0	542	0.60
56.1	623	0.69
56.2	634	0.70
56.3	837	0.93
56.4	788	0.87
56.5	891	0.99
56.6	858	0.95
56.7	979	1.09
56.8	876	0.97
56.9	862	0.96
57.0	890	0.99
57.1	1001	1.11
57.2	826	0.92
57.3	928	1.03
57.4	840	0.93
57.5	823	0.91
57.6	889	0.99
57.7	1024	1.13
57.8	850	0.94
57.9	768	0.85
58.0	694	0.77
58.1	775	0.86
58.2	958	1.06
58.3	1082	1.20
58.4	1096	1.21
58.5	901	1.00
58.6	916	1.02
58.7	798	0.88
58.8	1101	1.22
58.9	876	0.97
59.0	877	0.97
59.1	834	0.92
59.2	812	0.90
59.3	658	0.73
59.4	616	0.68
59.5	686	0.76
59.6	604	0.67
59.7	729	0.81
59.8	731	0.81
59.9	704	0.78
60.0	759	0.84

Statistics

Level (dB)	Count	Percent
60.1	718	0.80
60.2	720	0.80
60.3	681	0.75
60.4	720	0.80
60.5	733	0.81
60.6	801	0.89
60.7	881	0.98
60.8	725	0.80
60.9	585	0.65
61.0	635	0.70
61.1	642	0.71
61.2	619	0.69
61.3	505	0.56
61.4	564	0.63
61.5	507	0.56
61.6	487	0.54
61.7	523	0.58
61.8	395	0.44
61.9	430	0.48
62.0	415	0.46
62.1	426	0.47
62.2	450	0.50
62.3	483	0.54
62.4	363	0.40
62.5	345	0.38
62.6	315	0.35
62.7	263	0.29
62.8	251	0.28
62.9	250	0.28
63.0	215	0.24
63.1	245	0.27
63.2	236	0.26
63.3	191	0.21
63.4	202	0.22
63.5	173	0.19
63.6	149	0.17
63.7	95	0.11
63.8	126	0.14
63.9	129	0.14
64.0	142	0.16
64.1	111	0.12
64.2	95	0.11

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
64.3	93	0.10
64.4	90	0.10
64.5	94	0.10
64.6	80	0.09
64.7	73	0.08
64.8	68	0.08
64.9	71	0.08
65.0	79	0.09
65.1	61	0.07
65.2	58	0.06
65.3	59	0.07
65.4	37	0.04
65.5	31	0.03
65.6	32	0.04
65.7	45	0.05
65.8	38	0.04
65.9	23	0.03
66.0	24	0.03
66.1	23	0.03
66.2	29	0.03
66.3	11	0.01
66.4	12	0.01
66.5	13	0.01
66.6	23	0.03
66.7	15	0.02
66.8	3	0.00
66.9	2	0.00
67.0	3	0.00
67.1	2	0.00
67.2	2	0.00
67.3	3	0.00
67.4	2	0.00
67.5	3	0.00
67.6	2	0.00
67.7	3	0.00
67.8	2	0.00
67.9	2	0.00
68.0	3	0.00
68.1	2	0.00
68.2	3	0.00
68.3	2	0.00
68.4	3	0.00



Statistics		
Level (dB)	Count	Percent
68.5	2	0.00
68.6	2	0.00
68.7	3	0.00
68.8	2	0.00
68.9	3	0.00
69.0	2	0.00
69.1	3	0.00
69.2	3	0.00
69.3	3	0.00
69.4	2	0.00
69.5	3	0.00
69.6	2	0.00
69.7	2	0.00
69.8	3	0.00
69.9	2	0.00
70.0	3	0.00
70.1	2	0.00
70.2	2	0.00
70.3	3	0.00
70.4	3	0.00
70.5	3	0.00
70.6	2	0.00
70.7	3	0.00
70.8	2	0.00
70.9	3	0.00
71.0	2	0.00
71.1	4	0.00
71.2	4	0.00
71.3	2	0.00
Over	0	0.00
<b>Total Count</b>	90230	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count
1	2023-09-13	14:08:01	00:15:02.3	00:15:02.3	00:00:00.0	58.2	87.8	43.4	14:16:12	71.3	14:08:54	106.0	14:08:54	0

SPL 1 Duration	SPL 2 Count	SPL 2 Duration	Peak 1 Count	Peak 1 Duration	Peak 2 Count	Peak 2 Duration	Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00
0.0	0	0.0	0	0.0	0	0.0	0	0.0	-99.9	-99.9	62.5	61.5

LAS33.30	LAS50.00	LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAeq	LAeq	LAeq - LAeq	Overload Count	Overload Duration	Comments
58.6	56.9	54.9	49.8	-99.9	68.3	58.2	10.1	63.0	58.2	4.8	0	0.0	

**Summary**

File Name on Meter	LxT_Data.161.s
File Name on PC	LxT_0003285-20230913 143534-LxT_Data.161.ldbin
Serial Number	0003285
Model	SoundTrack LxT®
Firmware Version	2.302
User	
Location	
Job Description	
Note	

**Measurement**

Description	
Start	2023-09-13 14:35:34
Stop	2023-09-13 14:51:12
Duration	00:15:37.9
Run Time	00:15:37.9
Pause	00:00:00.0
Pre-Calibration	2023-09-13 14:07:32
Post-Calibration	None
Calibration Deviation	---

**Overall Settings**

RMS Weight	A Weighting		
Peak Weight	Z Weighting		
Detector	Slow		
Preamplifier	PRMLxT1L		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	121.9 dB		
	<b>A</b>	<b>C</b>	<b>Z</b>
Under Range Peak	78.2	75.2	80.2 dB
Under Range Limit	26.2	25.9	31.1 dB
Noise Floor	16.5	16.8	21.9 dB
	<b>First</b>	<b>Second</b>	<b>Third</b>
Instrument Identification			

**Results**

LASeq	59.7 dB	
LASE	89.4 dB	
EAS	97.256 $\mu\text{Pa}^2\text{h}$	
EAS8	2.986 $\text{mPa}^2\text{h}$	
EAS40	14.932 $\text{mPa}^2\text{h}$	
LZpeak (max)	2023-09-13 14:47:39	89.7 dB
LASmax	2023-09-13 14:47:39	79.6 dB
LASmin	2023-09-13 14:41:24	47.7 dB
SEA	-99.9 dB	

	Exceedance Counts	Duration
LAS > 85.0 dB	0	0.0 s
LAS > 115.0 dB	0	0.0 s
LZpeak > 135.0 dB	0	0.0 s
LZpeak > 137.0 dB	0	0.0 s
LZpeak > 140.0 dB	0	0.0 s

LCSeq	70.0 dB
LASeq	59.7 dB
LCSeq - LASeq	10.3 dB
LAleq	63.0 dB
LAeq	59.7 dB
LAleq - LAeq	3.3 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
Leq	59.7					
LS(max)	79.6	2023/09/13 14:47:39				
LS(min)	47.7	2023/09/13 14:41:24				
LPeak(max)					89.7	2023/09/13 14:47:39

Overload Count	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	-99.94	-99.94 %
Projected Dose	-99.94	-99.94 %
TWA (Projected)	-99.9	-99.9 dB
TWA (t)	-99.9	-99.9 dB
Lep (t)	44.8	44.8 dB

**Statistics**

LAS 5.00	61.4 dB
LAS 10.00	59.4 dB
LAS 33.30	55.6 dB
LAS 50.00	54.0 dB
LAS 66.60	52.8 dB
LAS 90.00	50.6 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5
PRMLxT1L	2023-09-13 14:07:32	-28.19	65.05	53.41	57.58	59.45
PRMLxT1L	2023-09-13 13:24:04	-28.19	57.67	56.87	60.39	58.02
PRMLxT1L	2023-09-13 12:55:09	-28.07	46.14	54.91	58.27	58.21
PRMLxT1L	2023-09-13 12:31:20	-28.08	60.89	65.61	69.40	62.35
PRMLxT1L	2023-09-13 12:02:02	-28.23	65.81	57.94	60.06	63.52
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90

<b>16.0</b>	<b>20.0</b>	<b>25.0</b>	<b>31.5</b>	<b>40.0</b>	<b>50.0</b>	<b>63.0</b>	<b>80.0</b>	<b>100</b>	<b>125</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>315</b>	<b>400</b>	<b>500</b>	<b>630</b>	<b>800</b>	<b>1000</b>
53.70	52.10	53.72	55.60	54.01	57.60	65.31	56.14	54.74	55.77	48.92	51.06	50.62	45.25	49.81	61.57	48.95	43.62	113.98
58.09	56.50	62.22	54.71	63.31	60.49	60.33	57.19	54.44	59.00	51.69	50.68	51.46	48.81	49.57	46.49	38.51	31.60	113.87
65.76	78.39	70.40	69.38	72.56	69.38	71.38	67.78	67.12	66.36	62.19	59.97	61.08	56.94	58.03	54.40	45.08	39.99	113.99
63.66	57.38	63.11	61.79	58.36	65.59	67.05	70.80	66.66	62.62	58.88	66.96	66.31	67.92	61.77	57.63	53.88	62.90	113.99
63.44	61.91	63.26	67.82	68.37	67.18	64.77	66.28	74.10	83.69	70.63	61.33	77.46	73.07	70.75	62.76	55.10	49.68	113.96
53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82	36.92	113.92
58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19	31.60	113.89
47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42	29.44	114.03
53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58	28.32	114.04
81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78	45.58	114.02
62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75	50.57	113.92



<b>1250</b>	<b>1600</b>	<b>2000</b>	<b>2500</b>	<b>3150</b>	<b>4000</b>	<b>5000</b>	<b>6300</b>	<b>8000</b>	<b>10000</b>	<b>12500</b>	<b>16000</b>	<b>20000</b>
48.95	30.80	66.00	21.77	62.90	27.93	33.56	21.71	22.82	24.10	25.77	28.37	30.80
48.78	19.57	65.84	21.48	62.82	27.83	33.40	21.74	22.64	23.97	25.80	28.00	30.54
48.90	23.12	66.03	22.05	62.90	27.80	33.33	21.64	22.74	23.92	25.95	28.34	30.86
64.16	54.98	71.22	58.72	67.20	63.42	60.27	59.26	57.99	56.91	51.03	52.63	52.60
49.23	30.80	66.07	22.65	62.85	28.36	33.58	21.96	22.88	24.11	25.98	28.36	31.03
48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97
48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92
48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82
48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54
49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87
49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-13	14:35:34	Run	Key	1	0	
2	2023-09-13	14:51:12	Stop	Key	1	0	

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
<b>Under</b>	0	0.00
<b>47.7</b>	9	0.01
<b>47.8</b>	30	0.03
<b>47.9</b>	31	0.03
<b>48.0</b>	24	0.03
<b>48.1</b>	56	0.06
<b>48.2</b>	40	0.04
<b>48.3</b>	65	0.07
<b>48.4</b>	44	0.05
<b>48.5</b>	56	0.06
<b>48.6</b>	85	0.09
<b>48.7</b>	123	0.13
<b>48.8</b>	95	0.10
<b>48.9</b>	64	0.07
<b>49.0</b>	99	0.11
<b>49.1</b>	171	0.18
<b>49.2</b>	205	0.22
<b>49.3</b>	268	0.29
<b>49.4</b>	264	0.28
<b>49.5</b>	342	0.36
<b>49.6</b>	462	0.49
<b>49.7</b>	465	0.50
<b>49.8</b>	649	0.69
<b>49.9</b>	728	0.78
<b>50.0</b>	847	0.90
<b>50.1</b>	705	0.75
<b>50.2</b>	742	0.79
<b>50.3</b>	881	0.94
<b>50.4</b>	727	0.78
<b>50.5</b>	872	0.93
<b>50.6</b>	793	0.85
<b>50.7</b>	917	0.98
<b>50.8</b>	1187	1.27
<b>50.9</b>	953	1.02
<b>51.0</b>	853	0.91
<b>51.1</b>	1066	1.14
<b>51.2</b>	917	0.98
<b>51.3</b>	783	0.83
<b>51.4</b>	796	0.85
<b>51.5</b>	840	0.90
<b>51.6</b>	806	0.86
<b>51.7</b>	819	0.87

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
51.8	956	1.02
51.9	1140	1.22
52.0	1005	1.07
52.1	962	1.03
52.2	826	0.88
52.3	1140	1.22
52.4	1236	1.32
52.5	1194	1.27
52.6	1427	1.52
52.7	1349	1.44
52.8	1646	1.75
52.9	1558	1.66
53.0	1457	1.55
53.1	1462	1.56
53.2	1366	1.46
53.3	1252	1.33
53.4	1303	1.39
53.5	1130	1.20
53.6	1049	1.12
53.7	1121	1.20
53.8	1103	1.18
53.9	1122	1.20
54.0	1069	1.14
54.1	814	0.87
54.2	864	0.92
54.3	1037	1.11
54.4	1134	1.21
54.5	914	0.97
54.6	949	1.01
54.7	922	0.98
54.8	994	1.06
54.9	1016	1.08
55.0	1050	1.12
55.1	1153	1.23
55.2	999	1.07
55.3	867	0.92
55.4	783	0.83
55.5	742	0.79
55.6	832	0.89
55.7	1001	1.07
55.8	857	0.91
55.9	885	0.94

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
56.0	680	0.73
56.1	663	0.71
56.2	687	0.73
56.3	822	0.88
56.4	818	0.87
56.5	769	0.82
56.6	801	0.85
56.7	816	0.87
56.8	706	0.75
56.9	672	0.72
57.0	639	0.68
57.1	696	0.74
57.2	647	0.69
57.3	638	0.68
57.4	487	0.52
57.5	489	0.52
57.6	538	0.57
57.7	436	0.46
57.8	406	0.43
57.9	378	0.40
58.0	531	0.57
58.1	561	0.60
58.2	531	0.57
58.3	492	0.52
58.4	588	0.63
58.5	466	0.50
58.6	366	0.39
58.7	425	0.45
58.8	335	0.36
58.9	326	0.35
59.0	360	0.38
59.1	348	0.37
59.2	282	0.30
59.3	296	0.32
59.4	215	0.23
59.5	267	0.28
59.6	281	0.30
59.7	360	0.38
59.8	415	0.44
59.9	481	0.51
60.0	367	0.39
60.1	267	0.28

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
60.2	208	0.22
60.3	231	0.25
60.4	228	0.24
60.5	175	0.19
60.6	139	0.15
60.7	198	0.21
60.8	143	0.15
60.9	108	0.12
61.0	154	0.16
61.1	132	0.14
61.2	204	0.22
61.3	201	0.21
61.4	255	0.27
61.5	256	0.27
61.6	290	0.31
61.7	252	0.27
61.8	218	0.23
61.9	190	0.20
62.0	184	0.20
62.1	91	0.10
62.2	60	0.06
62.3	81	0.09
62.4	47	0.05
62.5	51	0.05
62.6	46	0.05
62.7	75	0.08
62.8	76	0.08
62.9	100	0.11
63.0	80	0.09
63.1	46	0.05
63.2	43	0.05
63.3	31	0.03
63.4	48	0.05
63.5	42	0.04
63.6	48	0.05
63.7	47	0.05
63.8	68	0.07
63.9	60	0.06
64.0	56	0.06
64.1	48	0.05
64.2	37	0.04
64.3	8	0.01

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
64.4	9	0.01
64.5	9	0.01
64.6	8	0.01
64.7	10	0.01
64.8	10	0.01
64.9	11	0.01
65.0	11	0.01
65.1	10	0.01
65.2	4	0.00
65.3	3	0.00
65.4	2	0.00
65.5	3	0.00
65.6	3	0.00
65.7	2	0.00
65.8	4	0.00
65.9	3	0.00
66.0	2	0.00
66.1	3	0.00
66.2	3	0.00
66.3	2	0.00
66.4	4	0.00
66.5	3	0.00
66.6	2	0.00
66.7	3	0.00
66.8	3	0.00
66.9	3	0.00
67.0	3	0.00
67.1	3	0.00
67.2	3	0.00
67.3	2	0.00
67.4	4	0.00
67.5	2	0.00
67.6	3	0.00
67.7	2	0.00
67.8	4	0.00
67.9	2	0.00
68.0	3	0.00
68.1	3	0.00
68.2	3	0.00
68.3	3	0.00
68.4	3	0.00
68.5	3	0.00

Statistics

Level (dB)	Count	Percent
68.6	2	0.00
68.7	3	0.00
68.8	3	0.00
68.9	3	0.00
69.0	3	0.00
69.1	3	0.00
69.2	3	0.00
69.3	3	0.00
69.4	3	0.00
69.5	3	0.00
69.6	4	0.00
69.7	3	0.00
69.8	2	0.00
69.9	4	0.00
70.0	3	0.00
70.1	4	0.00
70.2	3	0.00
70.3	3	0.00
70.4	3	0.00
70.5	3	0.00
70.6	4	0.00
70.7	2	0.00
70.8	4	0.00
70.9	3	0.00
71.0	2	0.00
71.1	4	0.00
71.2	17	0.02
71.3	7	0.01
71.4	10	0.01
71.5	11	0.01
71.6	12	0.01
71.7	12	0.01
71.8	11	0.01
71.9	23	0.02
72.0	19	0.02
72.1	17	0.02
72.2	19	0.02
72.3	25	0.03
72.4	26	0.03
72.5	23	0.02
72.6	20	0.02
72.7	27	0.03



**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
72.8	29	0.03
72.9	30	0.03
73.0	27	0.03
73.1	25	0.03
73.2	27	0.03
73.3	29	0.03
73.4	30	0.03
73.5	34	0.04
73.6	34	0.04
73.7	67	0.07
73.8	43	0.05
73.9	33	0.04
74.0	33	0.04
74.1	47	0.05
74.2	36	0.04
74.3	34	0.04
74.4	28	0.03
74.5	36	0.04
74.6	22	0.02
74.7	17	0.02
74.8	29	0.03
74.9	24	0.03
75.0	14	0.01
75.1	12	0.01
75.2	8	0.01
75.3	13	0.01
75.4	9	0.01
75.5	15	0.02
75.6	25	0.03
75.7	39	0.04
75.8	30	0.03
75.9	38	0.04
76.0	10	0.01
76.1	11	0.01
76.2	11	0.01
76.3	11	0.01
76.4	13	0.01
76.5	11	0.01
76.6	7	0.01
76.7	8	0.01
76.8	7	0.01
76.9	5	0.01

Statistics		
Level (dB)	Count	Percent
77.0	17	0.02
77.1	17	0.02
77.2	16	0.02
77.3	24	0.03
77.4	27	0.03
77.5	8	0.01
77.6	5	0.01
77.7	7	0.01
77.8	4	0.00
77.9	5	0.01
78.0	9	0.01
78.1	7	0.01
78.2	6	0.01
78.3	8	0.01
78.4	7	0.01
78.5	8	0.01
78.6	17	0.02
78.7	14	0.01
78.8	18	0.02
78.9	7	0.01
79.0	6	0.01
79.1	8	0.01
79.2	6	0.01
79.3	8	0.01
79.4	7	0.01
79.5	6	0.01
79.6	4	0.00
Over	0	0.00
<b>Total Count</b>	93790	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)	LZpeak (max) Time	SPL 1 Count	SPL 1 Duration
1	2023-09-13	14:35:34	00:15:37.9	00:15:37.9	00:00:00.0	59.7	89.4	47.7	14:41:24	79.6	14:47:39	89.7	14:47:39	0	0.0

SPL 2 Count	SPL 2 Duration	Peak 1 Count	Peak 1 Duration	Peak 2 Count	Peak 2 Duration	Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00	LAS33.30	LAS50.00
0	0.0	0	0.0	0	0.0	0	0.0	-99.9	-99.9	61.4	59.4	55.6	54.0

LAS66.60	LAS90.00	SEA	LCSeq	LASeq	LCSeq - LASeq	LAleq	LAeq	LAleq - LAeq	Overload Count	Overload Duration	Comments
52.8	50.6	-99.9	70.0	59.7	10.3	63.0	59.7	3.3	0	0.0	

**Summary**

**File Name on Meter** LxT\_Data.155.s  
**File Name on PC** LxT\_0003285-20230912 091906-LxT\_Data.155.lbin  
**Serial Number** 0003285  
**Model** SoundTrack LxT®  
**Firmware Version** 2.302  
**User**  
**Location**  
**Job Description**  
**Note**

**Measurement**

**Description**  
**Start** 2023-09-12 09:19:06  
**Stop** 2023-09-13 11:14:48  
**Duration** 25:55:41.797  
**Run Time** 25:55:41.797  
**Pause** 00:00:00.0  
  
**Pre-Calibration** 2023-09-12 09:14:48  
**Post-Calibration** None  
**Calibration Deviation** ---

**Overall Settings**

**RMS Weight** A Weighting  
**Peak Weight** Z Weighting  
**Detector** Slow  
**Preamplifier** PRMLxT1L  
**Microphone Correction** Off  
**Integration Method** Exponential  
**Overload** 121.9 dB  
**A** **C** **Z**  
**Under Range Peak** 78.2 75.2 **80.2** dB  
**Under Range Limit** **26.2** 25.9 31.1 dB  
**Noise Floor** 16.5 16.8 21.9 dB  
  
**First** **Second** **Third**  
**Instrument Identification**

**Results**

**L<sub>A</sub>Seq** 61.5 dB  
**L<sub>A</sub>SE** 111.2 dB  
**EAS** 14.650 mPa<sup>2</sup>h  
**EAS8** 4.520 mPa<sup>2</sup>h  
**EAS40** 22.601 mPa<sup>2</sup>h  
**L<sub>Z</sub>peak (max)** 2023-09-12 12:41:05 115.1 dB  
**L<sub>A</sub>Smax** 2023-09-12 18:03:45 93.1 dB  
**L<sub>A</sub>Smin** 2023-09-12 21:23:19 43.9 dB  
**SEA** -99.9 dB

	Exceedance Counts	Duration
L <sub>A</sub> S > 85.0 dB	9	22.0 s
L <sub>A</sub> S > 115.0 dB	0	0.0 s
L <sub>Z</sub> peak > 135.0 dB	0	0.0 s
L <sub>Z</sub> peak > 137.0 dB	0	0.0 s
L <sub>Z</sub> peak > 140.0 dB	0	0.0 s

**L<sub>C</sub>Seq** 72.9 dB  
**L<sub>A</sub>Seq** 61.5 dB  
**L<sub>C</sub>Seq - L<sub>A</sub>Seq** 11.4 dB  
**L<sub>A</sub>I<sub>eq</sub>** 64.6 dB  
**L<sub>A</sub>eq** 61.5 dB  
**L<sub>A</sub>I<sub>eq</sub> - L<sub>A</sub>eq** 3.1 dB

	A		C		Z	
	dB	Time Stamp	dB	Time Stamp	dB	Time Stamp
L <sub>eq</sub>	61.5					
L <sub>S</sub> (max)	93.1	2023/09/12 18:03:45				
L <sub>S</sub> (min)	43.9	2023/09/12 21:23:19				
L <sub>Peak</sub> (max)					115.1	2023/09/12 12:41:05

**Overload Count** 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** 0.02 0.08 %  
**Projected Dose** 0.01 0.03 %  
**TWA (Projected)** 20.4 30.5 dB  
**TWA (t)** 28.9 39.0 dB  
**L<sub>ep</sub> (t)** 66.6 66.6 dB

**Statistics**

**L<sub>A</sub>S 5.00** 66.6 dB  
**L<sub>A</sub>S 10.00** 64.5 dB  
**L<sub>A</sub>S 33.30** 59.0 dB  
**L<sub>A</sub>S 50.00** 56.2 dB  
**L<sub>A</sub>S 66.60** 53.2 dB  
**L<sub>A</sub>S 90.00** 47.2 dB

Calibration History

Preamp	Date	dB re. 1V/Pa	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100	125	160	200	250	315	400	500	630
PRMLxT1L	2023-09-12 09:14:47	-28.21	53.91	55.67	62.86	55.83	53.53	57.23	69.62	64.65	62.62	63.21	62.41	66.41	61.63	61.48	63.71	53.78	52.45	50.45	46.98	47.14	42.82
PRMLxT1L	2023-09-12 09:11:25	-28.15	50.22	52.37	50.91	54.61	58.09	62.82	67.71	61.72	60.75	63.94	59.31	65.50	59.71	56.95	59.50	55.24	52.08	48.46	46.16	38.70	33.19
PRMLxT1L	2023-07-13 11:54:53	-28.06	47.83	52.43	60.74	54.98	47.57	45.75	47.45	49.59	48.79	49.18	55.59	48.37	47.72	42.38	38.66	41.17	33.72	33.37	27.58	26.96	24.42
PRMLxT1L	2023-07-13 11:02:08	-28.12	60.13	55.63	59.79	63.96	53.68	49.31	49.02	52.67	57.13	47.27	48.44	44.52	44.12	45.02	39.23	44.64	39.27	33.98	30.67	27.23	21.58
PRMLxT1L	2023-07-13 10:18:59	-28.17	71.26	73.47	76.34	69.05	81.19	75.35	72.03	65.38	59.70	68.29	66.04	64.43	58.73	55.33	51.88	51.20	50.30	50.33	49.54	44.46	39.78
PRMLxT1L	2023-07-13 09:08:28	-28.20	51.35	58.01	67.26	62.90	62.16	62.46	57.57	56.86	53.51	56.79	54.90	50.53	57.42	50.67	52.23	56.05	57.45	61.70	61.30	55.05	44.75
PRMLxT1L	2023-06-15 17:45:45	-28.14	65.45	52.00	56.45	56.40	56.28	61.07	64.86	65.87	66.76	61.34	58.74	79.37	69.26	70.35	79.65	67.15	68.11	60.22	60.58	59.43	61.65
PRMLxT1L	2023-06-02 10:25:34	-28.17	42.13	52.77	46.42	54.04	53.33	52.49	65.47	61.97	57.15	61.52	60.22	57.69	56.76	57.99	52.45	51.29	52.98	51.43	58.09	59.71	50.77
PRMLxT1L	2023-06-02 09:55:07	-28.21	54.76	54.16	48.18	50.42	56.81	58.37	59.83	57.01	56.29	52.26	50.96	51.36	49.09	46.61	48.10	48.76	48.61	49.01	57.24	54.67	45.13
PRMLxT1L	2023-06-02 09:33:27	-28.28	53.36	53.49	46.14	52.60	52.95	56.44	57.95	54.90	59.03	54.84	56.64	63.28	53.82	57.57	55.20	55.53	55.87	52.71	53.45	47.27	45.30
PRMLxT1L	2023-04-20 12:21:05	-28.23	65.37	65.89	69.75	71.98	66.39	56.36	62.75	62.95	59.47	56.02	56.17	56.32	57.34	55.24	53.53	54.24	57.06	54.90	54.62	50.06	41.41



	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000
36.92	113.92	48.88	19.93	66.20	21.89	62.75	29.04	33.83	21.33	22.53	23.82	25.80	28.37	30.97	
31.60	113.89	48.90	18.38	66.04	22.06	62.68	28.46	33.65	21.47	22.56	23.99	26.05	28.41	30.92	
29.44	114.03	48.86	20.16	66.18	22.39	63.04	28.38	33.54	21.87	22.68	24.30	25.84	28.56	30.82	
28.32	114.04	48.94	18.87	66.23	22.36	63.00	28.44	33.56	22.21	22.98	24.37	26.14	28.55	30.54	
45.58	114.02	49.24	31.27	66.18	22.56	62.94	28.78	33.80	21.95	22.97	24.01	26.01	28.39	30.87	
50.57	113.92	49.16	36.26	65.94	25.60	62.78	28.77	33.85	23.42	23.17	23.94	25.56	28.05	30.74	
52.84	114.00	49.04	35.12	66.14	24.31	62.95	28.20	33.60	21.89	23.02	24.27	26.01	28.45	30.73	
41.20	114.03	48.94	26.43	66.05	21.62	62.92	28.13	33.78	21.85	22.75	24.21	25.94	28.40	30.60	
39.44	114.05	48.98	21.57	66.14	22.32	62.97	28.33	33.75	21.98	22.55	24.29	26.33	28.58	31.12	
47.04	113.93	51.08	46.21	66.02	35.67	62.90	31.09	34.61	25.30	24.78	26.80	27.52	28.66	31.15	
31.68	114.03	48.83	20.25	66.06	22.82	63.22	28.52	34.03	22.11	23.08	24.56	26.43	28.97	31.01	

Record #	Date	Time	Record Type	Cause	#	TH Record	Sound Record
1	2023-09-12	09:11:55	Calibration Change	Key	-0.08 dB	0	
2	2023-09-12	09:14:48	Calibration Change	Key	-0.05 dB	0	
3	2023-09-12	09:19:06	Run	Key	1	0	
4	2023-09-13	11:14:48	Stop	Key	1	0	

Statistics

Level (dB)	Count	Percent
Under	0	0.00
43.9	2	0.00
44.0	145	0.00
44.1	263	0.00
44.2	117	0.00
44.3	382	0.00
44.4	761	0.01
44.5	918	0.01
44.6	827	0.01
44.7	1103	0.01
44.8	3021	0.03
44.9	4874	0.05
45.0	7289	0.08
45.1	14112	0.15
45.2	20565	0.22
45.3	26912	0.29
45.4	29367	0.31
45.5	35776	0.38
45.6	41031	0.44
45.7	43952	0.47
45.8	51308	0.55
45.9	53303	0.57
46.0	57316	0.61
46.1	58839	0.63
46.2	56993	0.61
46.3	53152	0.57
46.4	49751	0.53
46.5	47905	0.51
46.6	46209	0.50
46.7	43135	0.46
46.8	40179	0.43
46.9	37198	0.40
47.0	36159	0.39
47.1	36288	0.39
47.2	35548	0.38
47.3	35595	0.38
47.4	32334	0.35
47.5	32708	0.35
47.6	34375	0.37
47.7	35752	0.38
47.8	33248	0.36
47.9	32179	0.34
48.0	30809	0.33
48.1	30564	0.33
48.2	32565	0.35
48.3	34815	0.37
48.4	36403	0.39
48.5	39315	0.42
48.6	40653	0.44
48.7	39307	0.42
48.8	40328	0.43
48.9	39646	0.42
49.0	40531	0.43
49.1	40023	0.43
49.2	37703	0.40
49.3	36597	0.39
49.4	36227	0.39
49.5	34650	0.37

Statistics

Level (dB)	Count	Percent
49.6	32604	0.35
49.7	31281	0.34
49.8	32858	0.35
49.9	33399	0.36
50.0	33360	0.36
50.1	32964	0.35
50.2	35036	0.38
50.3	36752	0.39
50.4	35569	0.38
50.5	37183	0.40
50.6	36094	0.39
50.7	36629	0.39
50.8	39825	0.43
50.9	37005	0.40
51.0	38339	0.41
51.1	39388	0.42
51.2	36921	0.40
51.3	36471	0.39
51.4	39729	0.43
51.5	38686	0.41
51.6	38289	0.41
51.7	37315	0.40
51.8	37611	0.40
51.9	37521	0.40
52.0	37087	0.40
52.1	36709	0.39
52.2	37378	0.40
52.3	37792	0.40
52.4	37935	0.41
52.5	38537	0.41
52.6	38184	0.41
52.7	38920	0.42
52.8	39448	0.42
52.9	39927	0.43
53.0	41873	0.45
53.1	42191	0.45
53.2	41806	0.45
53.3	43909	0.47
53.4	43066	0.46
53.5	44054	0.47
53.6	44151	0.47
53.7	45447	0.49
53.8	46430	0.50
53.9	47029	0.50
54.0	45464	0.49
54.1	45399	0.49
54.2	46487	0.50
54.3	46633	0.50
54.4	47338	0.51
54.5	48089	0.52
54.6	49073	0.53
54.7	49884	0.53
54.8	51062	0.55
54.9	51702	0.55
55.0	52682	0.56
55.1	55465	0.59
55.2	56095	0.60
55.3	57253	0.61

Statistics

Level (dB)	Count	Percent
55.4	56263	0.60
55.5	57262	0.61
55.6	57739	0.62
55.7	58100	0.62
55.8	57111	0.61
55.9	58491	0.63
56.0	59197	0.63
56.1	59582	0.64
56.2	58482	0.63
56.3	58370	0.63
56.4	56971	0.61
56.5	57799	0.62
56.6	56485	0.61
56.7	56046	0.60
56.8	58012	0.62
56.9	58917	0.63
57.0	57008	0.61
57.1	57160	0.61
57.2	58236	0.62
57.3	56929	0.61
57.4	57961	0.62
57.5	57889	0.62
57.6	58670	0.63
57.7	58408	0.63
57.8	58226	0.62
57.9	57495	0.62
58.0	56069	0.60
58.1	55960	0.60
58.2	54421	0.58
58.3	54725	0.59
58.4	54562	0.58
58.5	53298	0.57
58.6	53914	0.58
58.7	52747	0.57
58.8	54034	0.58
58.9	51886	0.56
59.0	52020	0.56
59.1	53123	0.57
59.2	52447	0.56
59.3	50544	0.54
59.4	50075	0.54
59.5	50770	0.54
59.6	50276	0.54
59.7	48716	0.52
59.8	48162	0.52
59.9	48200	0.52
60.0	47618	0.51
60.1	46605	0.50
60.2	46414	0.50
60.3	46358	0.50
60.4	45621	0.49
60.5	44479	0.48
60.6	43805	0.47
60.7	42992	0.46
60.8	42818	0.46
60.9	41376	0.44
61.0	41567	0.45
61.1	41229	0.44

Statistics

Level (dB)	Count	Percent
61.2	41911	0.45
61.3	41583	0.45
61.4	41093	0.44
61.5	40376	0.43
61.6	40932	0.44
61.7	40223	0.43
61.8	38633	0.41
61.9	37638	0.40
62.0	38759	0.42
62.1	37122	0.40
62.2	36861	0.39
62.3	37442	0.40
62.4	37572	0.40
62.5	36419	0.39
62.6	35952	0.39
62.7	34978	0.37
62.8	34657	0.37
62.9	35781	0.38
63.0	35235	0.38
63.1	34431	0.37
63.2	33223	0.36
63.3	31778	0.34
63.4	31026	0.33
63.5	30903	0.33
63.6	31270	0.34
63.7	30696	0.33
63.8	31691	0.34
63.9	31880	0.34
64.0	29712	0.32
64.1	30617	0.33
64.2	29248	0.31
64.3	28300	0.30
64.4	28031	0.30
64.5	27579	0.30
64.6	28580	0.31
64.7	26579	0.28
64.8	24497	0.26
64.9	24472	0.26
65.0	25308	0.27
65.1	24690	0.26
65.2	23093	0.25
65.3	22378	0.24
65.4	22670	0.24
65.5	21919	0.23
65.6	21868	0.23
65.7	21189	0.23
65.8	20875	0.22
65.9	20458	0.22
66.0	18952	0.20
66.1	18982	0.20
66.2	18419	0.20
66.3	17154	0.18
66.4	16979	0.18
66.5	16640	0.18
66.6	15699	0.17
66.7	15561	0.17
66.8	15080	0.16
66.9	14419	0.15

Statistics

Level (dB)	Count	Percent
67.0	14203	0.15
67.1	13804	0.15
67.2	13691	0.15
67.3	13016	0.14
67.4	12215	0.13
67.5	12002	0.13
67.6	11893	0.13
67.7	11536	0.12
67.8	11243	0.12
67.9	10813	0.12
68.0	9938	0.11
68.1	9700	0.10
68.2	9437	0.10
68.3	9316	0.10
68.4	9056	0.10
68.5	8545	0.09
68.6	8095	0.09
68.7	7458	0.08
68.8	6947	0.07
68.9	6853	0.07
69.0	6860	0.07
69.1	6494	0.07
69.2	6388	0.07
69.3	6492	0.07
69.4	6474	0.07
69.5	6211	0.07
69.6	5780	0.06
69.7	5596	0.06
69.8	5679	0.06
69.9	5564	0.06
70.0	5154	0.06
70.1	5235	0.06
70.2	5006	0.05
70.3	4931	0.05
70.4	4983	0.05
70.5	4578	0.05
70.6	4547	0.05
70.7	4552	0.05
70.8	4013	0.04
70.9	3941	0.04
71.0	3749	0.04
71.1	3772	0.04
71.2	3934	0.04
71.3	4037	0.04
71.4	3361	0.04
71.5	3220	0.03
71.6	2966	0.03
71.7	2913	0.03
71.8	2856	0.03
71.9	2760	0.03
72.0	2764	0.03
72.1	2559	0.03
72.2	2303	0.02
72.3	2185	0.02
72.4	2157	0.02
72.5	2043	0.02
72.6	2040	0.02
72.7	1990	0.02

Statistics

Level (dB)	Count	Percent
72.8	1797	0.02
72.9	1742	0.02
73.0	1664	0.02
73.1	1675	0.02
73.2	1750	0.02
73.3	1539	0.02
73.4	1469	0.02
73.5	1334	0.01
73.6	1247	0.01
73.7	1218	0.01
73.8	1055	0.01
73.9	1089	0.01
74.0	1117	0.01
74.1	917	0.01
74.2	842	0.01
74.3	979	0.01
74.4	842	0.01
74.5	752	0.01
74.6	674	0.01
74.7	748	0.01
74.8	780	0.01
74.9	732	0.01
75.0	775	0.01
75.1	657	0.01
75.2	601	0.01
75.3	620	0.01
75.4	677	0.01
75.5	615	0.01
75.6	567	0.01
75.7	568	0.01
75.8	501	0.01
75.9	520	0.01
76.0	559	0.01
76.1	512	0.01
76.2	462	0.00
76.3	506	0.01
76.4	506	0.01
76.5	506	0.01
76.6	476	0.01
76.7	401	0.00
76.8	408	0.00
76.9	428	0.00
77.0	373	0.00
77.1	371	0.00
77.2	430	0.00
77.3	326	0.00
77.4	277	0.00
77.5	354	0.00
77.6	320	0.00
77.7	262	0.00
77.8	332	0.00
77.9	334	0.00
78.0	338	0.00
78.1	312	0.00
78.2	219	0.00
78.3	259	0.00
78.4	245	0.00
78.5	202	0.00



Statistics

Level (dB)	Count	Percent
78.6	171	0.00
78.7	154	0.00
78.8	149	0.00
78.9	135	0.00
79.0	113	0.00
79.1	105	0.00
79.2	118	0.00
79.3	116	0.00
79.4	112	0.00
79.5	109	0.00
79.6	97	0.00
79.7	91	0.00
79.8	97	0.00
79.9	98	0.00
80.0	83	0.00
80.1	85	0.00
80.2	90	0.00
80.3	111	0.00
80.4	110	0.00
80.5	101	0.00
80.6	95	0.00
80.7	97	0.00
80.8	94	0.00
80.9	84	0.00
81.0	96	0.00
81.1	76	0.00
81.2	73	0.00
81.3	69	0.00
81.4	65	0.00
81.5	82	0.00
81.6	62	0.00
81.7	60	0.00
81.8	54	0.00
81.9	72	0.00
82.0	58	0.00
82.1	61	0.00
82.2	53	0.00
82.3	68	0.00
82.4	57	0.00
82.5	67	0.00
82.6	66	0.00
82.7	67	0.00
82.8	61	0.00
82.9	56	0.00
83.0	52	0.00
83.1	43	0.00
83.2	50	0.00
83.3	44	0.00
83.4	44	0.00
83.5	53	0.00
83.6	79	0.00
83.7	78	0.00
83.8	64	0.00
83.9	55	0.00
84.0	36	0.00
84.1	43	0.00
84.2	43	0.00
84.3	43	0.00

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
84.4	32	0.00
84.5	37	0.00
84.6	40	0.00
84.7	33	0.00
84.8	46	0.00
84.9	34	0.00
85.0	39	0.00
85.1	53	0.00
85.2	56	0.00
85.3	45	0.00
85.4	34	0.00
85.5	37	0.00
85.6	46	0.00
85.7	38	0.00
85.8	23	0.00
85.9	26	0.00
86.0	26	0.00
86.1	33	0.00
86.2	43	0.00
86.3	30	0.00
86.4	24	0.00
86.5	23	0.00
86.6	21	0.00
86.7	30	0.00
86.8	48	0.00
86.9	54	0.00
87.0	26	0.00
87.1	26	0.00
87.2	16	0.00
87.3	21	0.00
87.4	36	0.00
87.5	52	0.00
87.6	10	0.00
87.7	11	0.00
87.8	11	0.00
87.9	7	0.00
88.0	6	0.00
88.1	17	0.00
88.2	15	0.00
88.3	9	0.00
88.4	13	0.00
88.5	12	0.00
88.6	14	0.00
88.7	11	0.00
88.8	14	0.00
88.9	7	0.00
89.0	8	0.00
89.1	7	0.00
89.2	7	0.00
89.3	8	0.00
89.4	10	0.00
89.5	10	0.00
89.6	11	0.00
89.7	12	0.00
89.8	12	0.00
89.9	19	0.00
90.0	20	0.00
90.1	14	0.00

**Statistics**

<b>Level (dB)</b>	<b>Count</b>	<b>Percent</b>
90.2	16	0.00
90.3	13	0.00
90.4	19	0.00
90.5	14	0.00
90.6	15	0.00
90.7	23	0.00
90.8	15	0.00
90.9	21	0.00
91.0	17	0.00
91.1	14	0.00
91.2	11	0.00
91.3	10	0.00
91.4	9	0.00
91.5	6	0.00
91.6	11	0.00
91.7	11	0.00
91.8	9	0.00
91.9	15	0.00
92.0	13	0.00
92.1	16	0.00
92.2	17	0.00
92.3	12	0.00
92.4	13	0.00
92.5	13	0.00
92.6	16	0.00
92.7	16	0.00
92.8	26	0.00
92.9	49	0.00
93.0	13	0.00
93.1	2	0.00
Over	0	0.00
<b>Total Count</b>	<b>9334180</b>	

Record #	Date	Time	Run Duration	Run Time	Pause	LASeq	LASE	LASmin	LASmin Time	LASmax	LASmax Time	LZpeak (max)
1	2023-09-12	09:19:06	00:40:53.6	00:40:53.6	00:00:00.0	62.2	96.1	50.1	09:38:17	78.0	09:19:09	109.2
2	2023-09-12	10:00:00	01:00:00.0	01:00:00.0	00:00:00.0	62.7	98.3	51.0	10:54:00	78.1	10:09:27	104.3
3	2023-09-12	11:00:00	01:00:00.0	01:00:00.0	00:00:00.0	62.6	98.2	48.6	11:05:07	85.8	11:35:52	102.5
4	2023-09-12	12:00:00	01:00:00.0	01:00:00.0	00:00:00.0	62.3	97.9	48.8	12:37:18	87.8	12:41:05	115.1
5	2023-09-12	13:00:00	01:00:00.0	01:00:00.0	00:00:00.0	66.3	101.9	48.3	13:01:12	93.0	13:57:47	110.3
6	2023-09-12	14:00:00	01:00:00.0	01:00:00.0	00:00:00.0	62.5	98.1	48.8	14:21:52	81.1	14:55:47	100.7
7	2023-09-12	15:00:00	01:00:00.0	01:00:00.0	00:00:00.0	64.0	99.6	48.0	15:32:54	86.4	15:04:25	113.9
8	2023-09-12	16:00:00	01:00:00.0	01:00:00.0	00:00:00.0	63.9	99.5	48.9	16:55:27	87.6	16:10:54	106.7
9	2023-09-12	17:00:00	01:00:00.0	01:00:00.0	00:00:00.0	61.9	97.5	50.1	17:05:57	75.5	17:17:55	102.1
10	2023-09-12	18:00:00	01:00:00.0	01:00:00.0	00:00:00.0	64.5	100.1	48.0	18:34:25	93.1	18:03:45	112.3
11	2023-09-12	19:00:00	01:00:00.0	01:00:00.0	00:00:00.0	60.2	95.8	47.7	19:47:00	78.0	19:10:01	98.8
12	2023-09-12	20:00:00	01:00:00.0	01:00:00.0	00:00:00.0	61.1	96.7	46.6	20:14:31	85.4	20:58:48	105.6
13	2023-09-12	21:00:00	01:00:00.0	01:00:00.0	00:00:00.0	57.9	93.5	43.9	21:23:19	73.4	21:07:24	95.7
14	2023-09-12	22:00:00	01:00:00.0	01:00:00.0	00:00:00.0	56.3	91.9	45.2	22:14:00	75.7	22:41:32	100.0
15	2023-09-12	23:00:00	01:00:00.0	01:00:00.0	00:00:00.0	55.1	90.7	46.6	23:00:45	73.7	23:24:37	100.0
16	2023-09-13	00:00:00	01:00:00.0	01:00:00.0	00:00:00.0	52.8	88.4	45.4	00:27:53	72.8	00:05:04	95.2
17	2023-09-13	01:00:00	01:00:00.0	01:00:00.0	00:00:00.0	51.6	87.2	44.7	01:22:18	74.9	01:06:51	90.3
18	2023-09-13	02:00:00	01:00:00.0	01:00:00.0	00:00:00.0	50.2	85.8	44.7	02:49:44	68.4	02:26:16	94.0
19	2023-09-13	03:00:00	01:00:00.0	01:00:00.0	00:00:00.0	53.2	88.8	44.3	03:54:35	76.0	03:41:01	98.0
20	2023-09-13	04:00:00	01:00:00.0	01:00:00.0	00:00:00.0	53.9	89.5	44.7	04:01:34	75.0	04:54:46	103.6
21	2023-09-13	05:00:00	01:00:00.0	01:00:00.0	00:00:00.0	55.9	91.5	48.0	05:17:43	73.5	05:55:36	99.6
22	2023-09-13	06:00:00	01:00:00.0	01:00:00.0	00:00:00.0	60.4	96.0	49.9	06:01:06	79.9	06:56:20	104.6
23	2023-09-13	07:00:00	01:00:00.0	01:00:00.0	00:00:00.0	62.6	98.2	52.3	07:39:32	81.4	07:26:52	106.2
24	2023-09-13	08:00:00	01:00:00.0	01:00:00.0	00:00:00.0	63.7	99.3	53.5	08:06:12	80.0	08:22:40	111.0
25	2023-09-13	09:00:00	01:00:00.0	01:00:00.0	00:00:00.0	63.1	98.7	49.1	09:31:19	78.7	09:01:16	103.3
26	2023-09-13	10:00:00	01:00:00.0	01:00:00.0	00:00:00.0	63.5	99.1	49.9	10:57:57	80.8	10:30:56	106.5
27	2023-09-13	11:00:00	00:14:48.2	00:14:48.2	00:00:00.0	62.5	92.0	49.0	11:09:16	78.0	11:02:14	101.9

LZpeak (max) Time	SPL 1 Count	SPL 1 Duration	SPL 2 Count	SPL 2 Duration	Peak 1 Count	Peak 1 Duration	Peak 2 Count	Peak 2 Duration
09:19:09	0	0.0	0	0.0	0	0.0	0	0.0
10:18:45	0	0.0	0	0.0	0	0.0	0	0.0
11:35:52	1	0.9	0	0.0	0	0.0	0	0.0
12:41:05	1	1.4	0	0.0	0	0.0	0	0.0
13:16:00	2	8.5	0	0.0	0	0.0	0	0.0
14:46:11	0	0.0	0	0.0	0	0.0	0	0.0
15:05:09	1	1.3	0	0.0	0	0.0	0	0.0
16:10:54	1	3.5	0	0.0	0	0.0	0	0.0
17:59:30	0	0.0	0	0.0	0	0.0	0	0.0
18:03:45	2	5.6	0	0.0	0	0.0	0	0.0
19:51:33	0	0.0	0	0.0	0	0.0	0	0.0
20:40:47	1	0.8	0	0.0	0	0.0	0	0.0
21:07:23	0	0.0	0	0.0	0	0.0	0	0.0
22:07:19	0	0.0	0	0.0	0	0.0	0	0.0
23:24:37	0	0.0	0	0.0	0	0.0	0	0.0
00:05:03	0	0.0	0	0.0	0	0.0	0	0.0
01:51:25	0	0.0	0	0.0	0	0.0	0	0.0
02:26:16	0	0.0	0	0.0	0	0.0	0	0.0
03:32:14	0	0.0	0	0.0	0	0.0	0	0.0
04:56:00	0	0.0	0	0.0	0	0.0	0	0.0
05:51:59	0	0.0	0	0.0	0	0.0	0	0.0
06:56:19	0	0.0	0	0.0	0	0.0	0	0.0
07:45:18	0	0.0	0	0.0	0	0.0	0	0.0
08:12:42	0	0.0	0	0.0	0	0.0	0	0.0
09:48:52	0	0.0	0	0.0	0	0.0	0	0.0
10:37:35	0	0.0	0	0.0	0	0.0	0	0.0
11:02:14	0	0.0	0	0.0	0	0.0	0	0.0

Peak 3 Count	Peak 3 Duration	TWA(Projected ) 0	TWA(Projected ) 1	LAS5.00	LAS10.00	LAS33.30	LAS50.00	LAS66.60	LAS90.00	SEA	LCSeq
0	0.0	-99.9	-99.9	67.4	65.8	60.9	58.3	56.0	53.3	-99.9	73.6
0	0.0	-99.9	-99.9	67.8	65.9	61.9	59.8	57.9	54.8	-99.9	75.0
0	0.0	-99.9	28.3	67.5	65.4	60.9	58.7	56.9	53.9	-99.9	74.1
0	0.0	-99.9	32.3	67.0	65.0	60.3	57.8	55.8	52.8	-99.9	74.4
0	0.0	40.5	46.4	68.9	66.2	61.4	59.3	57.4	53.4	-99.9	76.3
0	0.0	-99.9	21.5	67.9	65.8	60.9	58.6	56.4	53.6	-99.9	74.6
0	0.0	-99.9	39.2	68.9	66.3	61.7	59.3	57.0	53.3	-99.9	77.2
0	0.0	-99.9	38.6	68.4	65.8	61.1	58.6	56.5	53.2	-99.9	75.0
0	0.0	-99.9	-99.9	67.1	65.7	61.1	58.7	56.9	54.2	-99.9	74.7
0	0.0	36.9	43.9	66.4	64.6	60.4	57.7	55.5	52.6	-99.9	74.2
0	0.0	-99.9	-99.9	65.7	63.7	58.8	56.5	54.9	51.8	-99.9	72.3
0	0.0	-99.9	30.2	66.0	63.9	58.5	56.1	54.1	50.8	-99.9	71.9
0	0.0	-99.9	-99.9	63.5	61.5	56.1	54.1	52.0	48.3	-99.9	68.1
0	0.0	-99.9	-99.9	62.2	59.8	54.0	51.9	50.0	47.6	-99.9	67.4
0	0.0	-99.9	-99.9	60.3	57.6	52.5	50.7	49.6	48.4	-99.9	67.2
0	0.0	-99.9	-99.9	59.0	55.2	49.0	47.9	47.3	46.4	-99.9	62.9
0	0.0	-99.9	-99.9	55.6	52.1	47.5	46.7	46.3	45.6	-99.9	60.7
0	0.0	-99.9	-99.9	55.0	51.3	47.1	46.3	46.0	45.5	-99.9	61.9
0	0.0	-99.9	-99.9	55.4	51.2	46.9	46.3	45.9	45.4	-99.9	62.6
0	0.0	-99.9	-99.9	56.7	53.4	50.2	49.4	48.7	47.1	-99.9	65.7
0	0.0	-99.9	-99.9	61.4	58.2	52.3	51.3	50.5	49.0	-99.9	66.2
0	0.0	-99.9	-99.9	66.5	64.0	58.5	56.6	55.4	51.8	-99.9	70.1
0	0.0	-99.9	19.2	67.1	65.6	61.8	60.0	58.6	56.5	-99.9	73.2
0	0.0	-99.9	-99.9	70.0	67.1	62.5	60.4	58.9	57.0	-99.9	75.4
0	0.0	-99.9	-99.9	68.1	66.7	62.0	59.6	57.8	54.1	-99.9	74.8
0	0.0	-99.9	25.6	68.8	67.1	62.1	59.2	57.0	53.8	-99.9	74.8
0	0.0	-99.9	-99.9	67.2	65.1	61.1	58.4	55.6	52.0	-99.9	74.7

<b>LASeq</b>	<b>LCSeq - LASeq</b>	<b>LAleq</b>	<b>LAeq</b>	<b>LAleq - LAeq</b>	<b>Overload Count</b>	<b>Overload Duration</b>	<b>Comments</b>
62.2	11.4	65.9	62.2	3.7	0	0.0	
62.7	12.3	65.0	62.7	2.3	0	0.0	
62.6	11.5	65.9	62.6	3.3	0	0.0	
62.3	12.1	67.3	62.3	5.0	0	0.0	
66.3	10.0	70.7	66.3	4.4	0	0.0	
62.5	12.1	65.5	62.5	3.0	0	0.0	
64.0	13.2	67.3	64.0	3.3	0	0.0	
63.9	11.1	66.4	63.9	2.5	0	0.0	
61.9	12.8	63.7	61.9	1.8	0	0.0	
64.5	9.7	68.6	64.5	4.1	0	0.0	
60.2	12.1	62.4	60.2	2.2	0	0.0	
61.1	10.8	63.9	61.1	2.8	0	0.0	
57.9	10.2	59.5	57.9	1.6	0	0.0	
56.3	11.1	58.9	56.3	2.6	0	0.0	
55.1	12.1	56.5	55.1	1.4	0	0.0	
52.8	10.1	55.3	52.8	2.5	0	0.0	
51.6	9.1	53.3	51.6	1.7	0	0.0	
50.2	11.7	51.7	50.2	1.5	0	0.0	
53.2	9.4	54.7	53.2	1.5	0	0.0	
53.9	11.8	55.4	53.9	1.5	0	0.0	
55.9	10.3	57.6	55.9	1.7	0	0.0	
60.4	9.7	63.1	60.4	2.7	0	0.0	
62.6	10.6	64.8	62.6	2.2	0	0.0	
63.7	11.7	66.6	63.7	2.9	0	0.0	
63.1	11.7	65.4	63.1	2.3	0	0.0	
63.5	11.3	65.7	63.5	2.2	0	0.0	
62.5	12.2	64.4	62.5	1.9	0	0.0	