

Appendix E

Noise Assumptions and Modeling

Ambient Noise Data

Summary

File Name on Meter LxT_Data.294.s
 File Name on PC LxT_0004285-20230824 095559-LxT_Data.294.ldbin
 Serial Number 0004285
 Model SoundTrack LxT®
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 09:55:59
 Stop 2023-08-24 10:10:59
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:17:51
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 Under Range Peak A C Z
 101.2 98.2 103.2 dB
 Under Range Limit 38.3 38.0 45.1 dB
 Noise Floor 29.2 28.9 35.9 dB
 Instrument Identification First Second Third
 626 Wilshire Blvd., Ste. 1100 Los Angeles, CA 90017

Results

LASeq 70.3
 LA SE 99.9
 EAS 1.078 mPa²h
 EAS8 34.499 mPa²h
 EAS40 172.494 mPa²h
 LApeak (max) 2023-08-24 10:00:03 96.3 dB
 LASmax 2023-08-24 10:09:02 81.0 dB
 LASmin 2023-08-24 09:59:06 54.6 dB
 SEA -99.9 dB

| | Exceedance Counts | Duration |
|-------------------|-------------------|----------|
| LAS > 85.0 dB | 0 | 0.0 s |
| LAS > 115.0 dB | 0 | 0.0 s |
| LApeak > 135.0 dB | 0 | 0.0 s |
| LApeak > 137.0 dB | 0 | 0.0 s |
| LApeak > 140.0 dB | 0 | 0.0 s |

LCSeq 77.5 dB
 LASeq 70.3 dB
 LCSeq - LASeq 7.1 dB
 LAleq 71.6 dB
 LAeq 70.3 dB
 LAleq - LAeq 1.2 dB

| | A | | C | | Z | |
|------------|------|---------------------|----|------------|----|------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 70.3 | | | | | |
| Ls(max) | 81.0 | 2023/08/24 10:09:02 | | | | |
| Ls(min) | 54.6 | 2023/08/24 9:59:06 | | | | |
| Lpeak(max) | 96.3 | 2023/08/24 10:00:03 | | | | |

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 0.07 %
 TWA (Projected) -99.9 37.1 dB
 TWA (t) -99.9 12.1 dB
 Lep (t) 55.3 55.3 dB

Statistics

LAS 5.00 75.4 dB
 LAS 10.00 74.0 dB
 LAS 33.30 70.0 dB
 LAS 50.00 68.1 dB
 LAS 66.60 66.1 dB
 LAS 90.00 60.1 dB

Summary

File Name on Meter LxT_Data.295.1
 File Name on PC LxT_0004285-20230824 10:10:12-LxT_Data.295.kdbin
 Serial Number 0004285
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 10:21:02
 Stop 2023-08-24 10:36:02
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:17:51
 Post-Calibration None
 Calibration Deviation --

Overall Settings

RMS Weighting A Weighting
 Peak Weighting A Weighting
 Detector Slow
 Preamplifier PRLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 A C Z
 Under Range Peak 101.2 98.2 103.2 dB
 Under Range Limit 38.3 38.0 45.1 dB
 Noise Floor 29.2 28.9 35.9 dB
 Instrument Identification First Second Third
 626 Wilshire Blvd., Ste. 1100 Los Angeles, CA 90017

Results

LxSeq 73.9
 LxSeq 102.5
 EAS 2.473 mPa²h
 EASB 79.127 mPa²h
 EAS40 395.635 mPa²h
 LxPeak(max) 2023-08-24 10:30:16 102.5 dB
 LxSmax 2023-08-24 10:30:17 90.2 dB
 LxSmin 2023-08-24 10:29:02 49.0 dB
 SEA -- dB

Exceedance Counts

| Exceedance | Counts | Duration |
|-------------------|--------|----------|
| LxS > 85.0 dB | 1 | 3.9 s |
| LxS > 115.0 dB | 0 | 0.0 s |
| LxPeak > 135.0 dB | 0 | 0.0 s |
| LxPeak > 137.0 dB | 0 | 0.0 s |
| LxPeak > 140.0 dB | 0 | 0.0 s |

LxSeq 79.1 dB
 LxSeq 73.9 dB
 LxSeq - LxSeq 5.1 dB
 LxSeq 75.3 dB
 LxSeq 73.9 dB
 LxSeq - LxSeq 1.4 dB

| | A | C | Z |
|-------------|------------|---------------------|------------|
| dB | Time Stamp | dB | Time Stamp |
| LxSeq | 73.9 | | |
| LxPeak | 102.5 | 2023/08/24 10:30:17 | |
| LxSmin | 49.0 | 2023/08/24 10:29:02 | |
| LxPeak(max) | 102.5 | 2023/08/24 10:30:16 | |

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 0.00 0.05 %
 Projected Dose 0.06 1.51 %
 TWA (Projected) 36.0 59.7 dB
 TWA (I) 11.0 34.7 dB
 Lx(I) 58.9 58.9 dB

Statistics

LxS 5.00 79.7 dB
 LxS 10.00 78.0 dB
 LxS 33.30 72.9 dB
 LxS 50.00 69.4 dB
 LxS 66.60 65.8 dB
 LxS 90.00 57.7 dB

Summary

File Name on Meter LxT_Data250.s
 File Name on PC LxT_0004983-20230824 100131-LxT_Data_250.tbrin
 Serial Number 0004983
 Model SoundTrack LxT™
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 10:01:31
 Stop 2023-08-24 10:16:31
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0

Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weighting A Weighting
 Peak Weighting Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.8 dB

| | A | C | Z |
|-------------------|------|------|----------|
| Under Range Peak | 99.3 | 96.3 | 101.3 dB |
| Under Range Limit | 86.6 | 86.2 | 43.2 dB |
| Noise Floor | 27.4 | 27.1 | 34.1 dB |

Instrument Identification

| | First | Second | Third |
|---|-------|--------|-------|
| A | | | |

Results

LAeq 55.2
 LAE 84.7
 EAS 32.918 µPa²/h
 EAS8 1.053 mPa²/h
 EAS40 5.267 mPa²/h

| | A | C | Z |
|--------------|---------------------|---------|---|
| LZpeak (max) | 2023-08-24 10:02:01 | 94.1 dB | |
| LASmax | 2023-08-24 10:15:12 | 70.0 dB | |
| LASmin | 2023-08-24 10:07:02 | 48.1 dB | |

SEA -97.3 dB

| | Exceedance Counts | Duration |
|-------------------|-------------------|----------|
| LAS > 85.0 dB | 0 | 0.0 s |
| LAS > 135.0 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 |

LC1eq 67.0 dB
 LAeq 55.2 dB
 LC1eq - LAeq 11.8 dB
 LAeq 58.2 dB
 LAeq 55.2 dB
 LAeq - LAeq 3.0 dB

| A | | C | | Z | |
|------|---------------------|----|------------|------|---------------------|
| dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| 55.2 | | | | | |
| 70.0 | 2023/08/24 10:15:12 | | | | |
| 48.1 | 2023/08/24 10:07:02 | | | 94.1 | 2023/08/24 10:02:01 |

Overload Count 0
 Overload Duration 0.0 s

Dose Settings

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

Results

Dose -99.94 %
 Projected Dose -99.94 %
 TWA (Projected) -99.9 dB
 TWA (t) -99.9 dB
 L_{ep} (t) 40.1 dB

Extrapolation

| | |
|-----------|---------|
| LAS 5.00 | 59.4 dB |
| LAS 10.00 | 57.6 dB |
| LAS 33.30 | 54.4 dB |
| LAS 50.00 | 53.3 dB |
| LAS 66.60 | 52.4 dB |
| LAS 90.00 | 51.0 dB |

Summary

File Name on Meter LxT_Data.248.s
 File Name on PC LxT_0004983-20230824 085251-LxT_Data.248.ldbin
 Serial Number 0004983
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 08:52:51
 Stop 2023-08-24 09:07:51
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0

Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weighting A Weighting
 Peak Weighting Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.3 dB

| | A | C | Z |
|-------------------|------|------|----------|
| Under Range Peak | 99.3 | 96.3 | 101.3 dB |
| Under Range Limit | 36.6 | 36.2 | 43.2 dB |
| Noise Floor | 27.4 | 27.1 | 34.1 dB |

Instrument Identification

| | First | Second | Third |
|--|-------|--------|-------|
| | | | |

Results

L_ASeq 60.5
 L_ASE 90.1
 EAS 113.316 μPa²h
 EASB 3.626 mPa²h
 EAS40 18.131 mPa²h

L_Zpeak(max) 2023-08-24 08:57:11 99.8 dB
 L_ASmax 2023-08-24 08:57:12 78.8 dB
 L_ASmin 2023-08-24 09:03:30 49.5 dB
 SEA <-23.0 dB

| | Exceedance Counts | Duration |
|--------------------------------|-------------------|----------|
| L _A S > 85.0 dB | 0 | 0.0 s |
| L _A S > 115.0 dB | 0 | 0.0 s |
| L _Z peak > 135.0 dB | 0 | 0.0 s |
| L _Z peak > 137.0 dB | 0 | 0.0 s |
| L _Z peak > 140.0 dB | 0 | 0.0 s |

L_CSeq 70.1 dB
 L_ASeq 60.5 dB
 L_CSeq - L_ASeq 9.6 dB
 L_AIeq 62.4 dB
 L_Aeq 60.5 dB
 L_AIeq - L_Aeq 1.9 dB

| | A | | C | | Z | |
|-------------------------|------|--------------------|----|------------|------|--------------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| L _{eq} | 60.5 | | | | | |
| L _S (max) | 78.8 | 2023/08/24 8:57:12 | | | | |
| L _S (min) | 49.5 | 2023/08/24 9:03:30 | | | | |
| L _{peak} (max) | | | | | 99.8 | 2023/08/24 8:57:11 |

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 %
 Projected Dose -99.94 %
 TWA (Projected) -99.9 dB
 TWA (t) -99.9 dB
 Lep (t) 45.5 dB

Statistics

L_AS 5.00 67.3 dB
 L_AS 10.00 62.6 dB
 L_AS 25.00 54.4 dB
 L_AS 50.00 52.6 dB
 L_AS 66.60 51.5 dB
 L_AS 90.00 50.6 dB

Summary

File Name on Meter LxT_Data.292.s
 File Name on PC LxT_0004285-20230824 084203-LxT_Data.292.lbin
 Serial Number 0004285
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 08:42:03
 Stop 2023-08-24 08:57:03
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0

Pre-Calibration 2023-08-24 08:17:53
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB

| | A | C | Z |
|-------------------|-------|------|----------|
| Under Range Peak | 101.2 | 98.2 | 103.2 dB |
| Under Range Limit | 38.3 | 38.0 | 45.1 dB |
| Noise Floor | 29.2 | 28.9 | 35.9 dB |

Instrument Identification

| | First | Second | Third |
|--|-------------------------------|--------|-----------------------|
| | 626 Wilshire Blvd., Ste. 1100 | | Los Angeles, CA 90017 |

Results

LASeq 72.6
 LASE 102.1
 EAS 1.818 mPa²h
 EAS8 58.174 mPa²h
 EAS40 290.872 mPa²h

LApeak (max) 2023-08-24 08:55:32 106.3 dB
 LA5max 2023-08-24 08:55:32 83.9 dB
 LA5min 2023-08-24 08:50:19 52.5 dB
 SEA 99.3 dB

| | Exceedance Counts | Duration |
|-------------------|-------------------|----------|
| LAS > 85.0 dB | 0 | 0.0 s |
| LAS > 115.0 dB | 0 | 0.0 s |
| LApeak > 135.0 dB | 0 | 0.0 s |
| LApeak > 137.0 dB | 0 | 0.0 s |
| LApeak > 140.0 dB | 0 | 0.0 s |

LCSeq 78.3 dB
 LASeq 72.6 dB
 LCSeq - LASeq 5.7 dB
 LASeq 75.2 dB
 LASeq 72.6 dB
 LASeq - LASeq 2.6 dB

| | A | | C | | Z | |
|------------|-------|--------------------|----|------------|----|------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 72.6 | | | | | |
| L5(max) | 83.9 | 2023/08/24 8:55:32 | | | | |
| L5(min) | 52.5 | 2023/08/24 8:50:19 | | | | |
| LPeak(max) | 106.3 | 2023/08/24 8:55:32 | | | | |

Overload Count 0
 Overload Duration 0.0 s

Dose Settings

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

Results

Dose 99.94
 Projected Dose 99.94 0.10 %
 TWA (Projected) 99.9 40.5 dB
 TWA (t) 99.9 15.5 dB
 Lep (t) 57.5 57.5 dB

Statistics

| | |
|-----------|---------|
| LAS 5.00 | 77.0 dB |
| LAS 10.00 | 76.1 dB |
| LAS 33.30 | 73.4 dB |
| LAS 50.00 | 71.3 dB |
| LAS 66.60 | 68.0 dB |
| LAS 90.00 | 61.7 dB |

Summary
File Name on Meter LxT_Data.249.s
File Name on PC LxT_0004983-20230824 092052-LxT_Data.249.ldbin
Serial Number 0004983
Model SoundTrack LxT*
Firmware Version 2.404
User
Location
Job Description
Note

Measurement
Description
Start 2023-08-24 09:20:52
Stop 2023-08-24 09:35:52
Duration 00:15:00.0
Run Time 00:15:00.0
Pause 00:00:00.0
Pre-Calibration 2023-08-24 08:19:54
Post-Calibration None
Calibration Deviation ---

Overall Settings
RMS Weight A Weighting
Peak Weight Z Weighting
Detector Slow
Preamplifier PRMLxT1
Microphone Correction Off
Integration Method Exponential
Overload 143.3 dB
Under Range Peak A C Z
Under Range Limit 99.3 96.3 101.3 dB
Under Range Limit 36.6 36.2 43.2 dB
Noise Floor 27.4 27.1 34.1 dB
Instrument Identification First Second Third

Results
LASEq 69.5
LASE 99.1
EAS 893.732 µPa²h
EAS8 28.599 mPa²h
EAS40 142.997 mPa²h
LZpeak(max) 2023-08-24 09:32:18 102.0 dB
LASmax 2023-08-24 09:32:19 84.1 dB
LASmin 2023-08-24 09:26:24 48.4 dB
SEA --- 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 75.2 dB
LASEq 69.5 dB
LCSeq - LASEq 5.7 dB
LASeq 70.8 dB
LAeq 69.5 dB
LASeq - LAeq 1.2 dB

| A | | C | | Z | |
|------|--------------------|----|------------|-------|--------------------|
| dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| 69.5 | | | | | |
| 84.1 | 2023/08/24 9:32:19 | | | | |
| 48.4 | 2023/08/24 9:26:24 | | | | |
| | | | | 102.0 | 2023/08/24 9:32:18 |

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 --- dB 0.00 %
Projected Dose --- dB 0.11 %
TWA (Projected) --- dB 40.6 dB
TWA (t) --- dB 15.6 dB
Lep (t) 54.5 54.5 dB

Statistics
LAS 5.00 74.5 dB
LAS 10.00 73.1 dB
LAS 33.30 69.7 dB
LAS 50.00 67.3 dB
LAS 66.60 64.0 dB
LAS 90.00 55.4 dB

Summary

File Name on Meter LxT_Data.267.s
 File Name on PC LxT_0004983-20231010 123844-LxT_Data.267.ldbin
 Serial Number 0004983
 Model SoundTrack LxT®
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-10-10 12:38:44
 Stop 2023-10-10 12:53:44
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-10-10 09:41:43
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 Under Range Peak A C Z
 101.2 98.2 103.2 dB
 Under Range Limit 38.4 38.1 45.1 dB
 Noise Floor 29.3 28.9 36.0 dB
 Instrument Identification First Second Third

Results

LASeq 72.6
 LASeq 102.1
 EAS 1.802 mPa²h
 EAS8 57.661 mPa²h
 EAS40 288.303 mPa²h
 LZpeak (max) 2023-10-10 12:48:08 115.4 dB
 LASmax 2023-10-10 12:48:08 92.9 dB
 LASmin 2023-10-10 12:52:21 47.3 dB
 SEA -99.9 dB

| | Exceedance Counts | Duration |
|-------------------|-------------------|----------|
| LAS > 85.0 dB | 3 | 7.3 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 78.7 dB
 LASeq 72.6 dB
 LCSeq - LASeq 6.1 dB
 LASeq 77.5 dB
 LAeq 72.6 dB
 LASeq - LAeq 4.9 dB

| | A | | C | | Z | |
|------------|------|---------------------|----|------------|-------|---------------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 72.6 | | | | | |
| Ls(max) | 92.9 | 2023/10/10 12:48:08 | | | | |
| Ls(min) | 47.3 | 2023/10/10 12:52:21 | | | | |
| LPeak(max) | | | | | 115.4 | 2023/10/10 12:48:08 |

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 0.00 0.03 %
 Projected Dose 0.14 0.88 %
 TWA (Projected) 42.5 55.9 dB
 TWA (t) 17.5 30.9 dB
 Lep (t) 57.5 57.5 dB

Statistics

LAS 5.00 77.7 dB
 LAS 10.00 76.0 dB
 LAS 33.30 70.4 dB
 LAS 50.00 66.6 dB
 LAS 66.60 63.8 dB
 LAS 90.00 57.6 dB

Summary
 File Name on Meter LxT_Data.251.s
 File Name on PC LxT_0004983-20230824 103622-LxT_Data.251.lbin
 Serial Number 0004983
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement
 Description
 Start 2023-08-24 10:36:22
 Stop 2023-08-24 10:51:22
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings
 RMS Weight A Weighting
 Peak Weight Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.3 dB
 Under Range Peak 99.3 96.3 101.3 dB
 Under Range Limit 36.6 36.2 43.2 dB
 Noise Floor 27.4 27.1 34.1 dB
 Instrument Identification First Second Third

Results
 LASeq 59.6
 LASE 89.1
 EAS 90.715 µPa²h
 EAS8 2.903 mPa²h
 EAS40 14.514 mPa²h
 LZpeak(max) 2023-08-24 10:48:53 101.3 dB
 LASmax 2023-08-24 10:48:53 77.9 dB
 LASmin 2023-08-24 10:45:46 49.8 dB
 SEA 59.3 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 69.0 dB
 LASeq 59.6 dB
 LCSeq - LASeq 9.4 dB
 LASeq 63.3 dB
 LASeq 59.6 dB
 LASeq - LASeq 3.7 dB

| A | | C | | Z | |
|------|---------------------|----|------------|-------|---------------------|
| dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| 59.6 | | | | | |
| 77.9 | 2023/08/24 10:48:53 | | | | |
| 49.8 | 2023/08/24 10:45:46 | | | | |
| | | | | 101.3 | 2023/08/24 10:48:53 |

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) 44.5 44.5 dB

Statistics
 LAS 5.00 65.4 dB
 LAS 10.00 62.6 dB
 LAS 33.30 56.3 dB
 LAS 50.00 54.4 dB
 LAS 66.60 53.0 dB
 LAS 90.00 51.6 dB

Summary

File Name on Meter LxT_Data.297.s
 File Name on PC LxT_0004285-20230824 112027-LxT_Data.297.lbin
 Serial Number 0004285
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 11:20:27
 Stop 2023-08-24 11:35:27
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:17:51
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 Under Range Peak 101.2 A 98.2 C 103.2 Z
 Under Range Limit 38.3 38.0 45.1 dB
 Noise Floor 29.2 28.9 35.9 dB
 Instrument Identification First 626 Wilshire Blvd., Ste. 1100 Second Los Angeles, CA 90017 Third

Results

LASeq 76.1
 LASE 105.6
 EAS 4.041 mPa²h
 EAS8 129.312 mPa²h
 EAS40 646.559 mPa²h
 LApeak (max) 2023-08-24 11:31:49 104.7 dB
 LASmax 2023-08-24 11:34:49 90.5 dB
 LASmin 2023-08-24 11:25:02 60.9 dB
 SEA --- dB

Exceedance Counts

| | Counts | Duration |
|-------------------|--------|----------|
| LAS > 85.0 dB | 8 | 22.7 s |
| LAS > 115.0 dB | 0 | 0.0 s |
| LApeak > 135.0 dB | 0 | 0.0 s |
| LApeak > 137.0 dB | 0 | 0.0 s |
| LApeak > 140.0 dB | 0 | 0.0 s |

LCSeq 83.7 dB
 LASeq 76.1 dB
 LCSeq - LASEq 7.6 dB
 LASeq 77.9 dB
 LASeq - LAeq 76.1 dB
 LASeq - LAeq 1.8 dB

| | A | | C | | Z | |
|------------|-------|---------------------|----|------------|----|------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 76.1 | | | | | |
| L5(max) | 90.5 | 2023/08/24 11:34:49 | | | | |
| L5(min) | 60.9 | 2023/08/24 11:25:02 | | | | |
| LPeak(max) | 104.7 | 2023/08/24 11:31:49 | | | | |

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 0.00 0.11 %
 Projected Dose 0.09 3.50 %
 TWA (Projected) 39.5 65.8 dB
 TWA (t) 14.5 40.8 dB
 Lep (t) 61.0 61.0 dB

Statistics

LAS 5.00 82.1 dB
 LAS 10.00 79.1 dB
 LAS 33.30 74.5 dB
 LAS 50.00 72.2 dB
 LAS 66.60 69.7 dB
 LAS 90.00 65.9 dB

Summary

File Name on Meter LxT_Data.298.s
 File Name on PC LxT_0004285-20230824 114904-LxT_Data.298.ldbin
 Serial Number 0004285
 Model SoundTrack LxT®
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 11:49:04
 Stop 2023-08-24 12:04:04
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:17:51
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight A Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 Under Range Peak A C Z
 101.2 98.2 103.2 dB
 Under Range Limit 38.3 38.0 45.1 dB
 Noise Floor 29.2 28.9 35.9 dB
 Instrument Identification First Second Third
 626 Wilshire Blvd., Ste. 1100 Los Angeles, CA 90017

Results

LASeq 77.1
 LA SE 106.6
 EAS 5.096 mPa²h
 EAS8 163.073 mPa²h
 EAS40 815.363 mPa²h
 LApeak (max) 2023-08-24 11:53:32 103.4 dB
 LASmax 2023-08-24 12:02:45 86.0 dB
 LASmin 2023-08-24 11:58:01 70.4 dB
 SEA -99.9 dB

| | Exceedance Counts | Duration |
|-------------------|-------------------|----------|
| LAS > 85.0 dB | 3 | 6.3 s |
| LAS > 115.0 dB | 0 | 0.0 s |
| LApeak > 135.0 dB | 0 | 0.0 s |
| LApeak > 137.0 dB | 0 | 0.0 s |
| LApeak > 140.0 dB | 0 | 0.0 s |

LCSeq 83.3 dB
 LASeq 77.1 dB
 LCSeq - LASeq 6.2 dB
 LAleq 78.1 dB
 LAeq 77.1 dB
 LAleq - LAeq 1.0 dB

| | A | | C | | Z | |
|------------|-------|---------------------|----|------------|----|------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 77.1 | | | | | |
| Ls(max) | 86.0 | 2023/08/24 12:02:45 | | | | |
| Ls(min) | 70.4 | 2023/08/24 11:58:01 | | | | |
| Lpeak(max) | 103.4 | 2023/08/24 11:53:32 | | | | |

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 0.07 %
 Projected Dose -99.94 2.27 %
 TWA (Projected) -99.9 62.7 dB
 TWA (t) -99.9 37.7 dB
 Lep (t) 62.0 62.0 dB

Statistics

LAS 5.00 80.6 dB
 LAS 10.00 79.4 dB
 LAS 33.30 77.1 dB
 LAS 50.00 76.3 dB
 LAS 66.60 75.2 dB
 LAS 90.00 73.4 dB

Summary

File Name on Meter LxT_Data.268.s
 File Name on PC LxT_0004983-20231010 131744-LxT_Data.268.ldbin
 Serial Number 0004983
 Model SoundTrack LxT®
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-10-10 13:17:44
 Stop 2023-10-10 13:32:44
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-10-10 09:41:43
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weight A Weighting
 Peak Weight Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 145.2 dB
 Under Range Peak A C Z
 101.2 98.2 103.2 dB
 Under Range Limit 38.4 38.1 45.1 dB
 Noise Floor 29.3 28.9 36.0 dB
 Instrument Identification First Second Third

Results

LASeq 74.0
 LASe 103.5
 EAS 2.509 mPa²h
 EAS8 80.283 mPa²h
 EAS40 401.417 mPa²h
 LZpeak (max) 2023-10-10 13:23:16 103.6 dB
 LASmax 2023-10-10 13:23:01 83.0 dB
 LASmin 2023-10-10 13:24:59 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 77.3 dB
 LASeq 74.0 dB
 LCSeq - LASeq 3.4 dB
 LASeq 76.0 dB
 LAeq 74.0 dB
 LASeq - LAeq 2.0 dB

| | A | | C | | Z | |
|------------|------|---------------------|----|------------|-------|---------------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 74.0 | | | | | |
| Ls(max) | 83.0 | 2023/10/10 13:23:01 | | | | |
| Ls(min) | 51.8 | 2023/10/10 13:24:59 | | | | |
| LPeak(max) | | | | | 103.6 | 2023/10/10 13:23:16 |

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 0.01 %
 Projected Dose -99.94 0.31 %
 TWA (Projected) -99.9 48.4 dB
 TWA (t) -99.9 23.4 dB
 Lep (t) 58.9 58.9 dB

Statistics

LAS 5.00 78.0 dB
 LAS 10.00 77.2 dB
 LAS 33.30 74.8 dB
 LAS 50.00 73.2 dB
 LAS 66.60 70.9 dB
 LAS 90.00 65.1 dB

Summary
 File Name on Meter LxT_Data.253.s
 File Name on PC LxT_0004983-20230824 112308-LxT_Data.253.lbin
 Serial Number 0004983
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement
 Description
 Start 2023-08-24 11:23:08
 Stop 2023-08-24 11:38:08
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings
 RMS Weight A Weighting
 Peak Weight Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.3 dB
 Under Range Peak 99.3 96.3 101.3 dB
 Under Range Limit 36.6 36.2 43.2 dB
 Noise Floor 27.4 27.1 34.1 dB
 Instrument Identification First Second Third

Results
 LASeq 60.1
 LASE 89.6
 EAS 102.056 µPa²h
 EAS8 3.266 mPa²h
 EAS40 16.329 mPa²h
 LZpeak(max) 2023-08-24 11:24:38 97.7 dB
 LASmax 2023-08-24 11:38:00 68.9 dB
 LASmin 2023-08-24 11:27:33 54.7 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 72.9 dB
 LASeq 60.1 dB
 LCSeq - LASEq 12.8 dB
 LASeq 61.2 dB
 LASeq 60.1 dB
 LASeq - LAeq 1.1 dB

| A | | C | | Z | |
|------------|---------------------|----|------------|------|---------------------|
| dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| 60.1 | | | | | |
| 68.9 | 2023/08/24 11:38:00 | | | | |
| 54.7 | 2023/08/24 11:27:33 | | | | |
| LPeak(max) | | | | 97.7 | 2023/08/24 11:24:38 |

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) 45.0 45.0 dB

Statistics
 LAS 5.00 64.2 dB
 LAS 10.00 62.8 dB
 LAS 33.30 60.0 dB
 LAS 50.00 58.8 dB
 LAS 66.60 57.9 dB
 LAS 90.00 56.3 dB

Summary
 File Name on Meter LxT_Data.254.s
 File Name on PC LxT_0004983-20230824 114418-LxT_Data.254.lbin
 Serial Number 0004983
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement
 Description
 Start 2023-08-24 11:44:18
 Stop 2023-08-24 11:59:18
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0
 Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings
 RMS Weight A Weighting
 Peak Weight Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.3 dB
 Under Range Peak 99.3 96.3 101.3 dB
 Under Range Limit 36.6 36.2 43.2 dB
 Noise Floor 27.4 27.1 34.1 dB
 Instrument Identification First Second Third

Results
 LASeq 57.9
 LASE 87.4
 EAS 61.387 µPa²h
 EAS8 1.964 mPa²h
 EAS40 9.822 mPa²h
 LZpeak(max) 2023-08-24 11:53:52 91.3 dB
 LASmax 2023-08-24 11:53:59 71.7 dB
 LASmin 2023-08-24 11:44:55 51.2 dB
 SEA 59.9 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 69.9 dB
 LASeq 57.9 dB
 LCSeq - LASeq 12.0 dB
 LASeq 59.5 dB
 LASeq 57.9 dB
 LASeq - LASeq 1.6 dB

| A | | C | | Z | |
|------------|---------------------|----|------------|------|---------------------|
| dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| 57.9 | | | | | |
| 71.7 | 2023/08/24 11:53:59 | | | | |
| 51.2 | 2023/08/24 11:44:55 | | | | |
| LPeak(max) | | | | 91.3 | 2023/08/24 11:53:52 |

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) 42.8 42.8 dB

Statistics
 LAS 5.00 63.4 dB
 LAS 10.00 61.1 dB
 LAS 33.30 55.7 dB
 LAS 50.00 54.8 dB
 LAS 66.60 54.0 dB
 LAS 90.00 52.9 dB

Summary

File Name on Meter LxT_Data.255.s
 File Name on PC LxT_0004983-20230824 120849-LxT_Data.255.ldbin
 Serial Number 0004983
 Model SoundTrack LxT*
 Firmware Version 2.404
 User
 Location
 Job Description
 Note

Measurement

Description
 Start 2023-08-24 12:08:49
 Stop 2023-08-24 12:23:49
 Duration 00:15:00.0
 Run Time 00:15:00.0
 Pause 00:00:00.0

Pre-Calibration 2023-08-24 08:19:54
 Post-Calibration None
 Calibration Deviation ---

Overall Settings

RMS Weighting A Weighting
 Peak Weighting Z Weighting
 Detector Slow
 Preamplifier PRMLxT1
 Microphone Correction Off
 Integration Method Exponential
 Overload 143.3 dB

| | A | C | Z |
|-------------------|------|------|----------|
| Under Range Peak | 99.3 | 96.3 | 101.3 dB |
| Under Range Limit | 36.6 | 36.2 | 43.2 dB |
| Noise Floor | 27.4 | 27.1 | 34.1 dB |

Instrument Identification

| | First | Second | Third |
|-------------------|-------|--------|-------|
| Under Range Peak | | | |
| Under Range Limit | | | |
| Noise Floor | | | |

Results

LASeq 59.5
 LASE 89.1
 EAS 89.979 µPa²h
 EASB 2.879 mPa²h
 EAS40 14.397 mPa²h

LZpeak(max) 2023-08-24 12:19:29 94.0 dB
 LASmax 2023-08-24 12:11:05 76.7 dB
 LASmin 2023-08-24 12:13:27 46.9 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 58.8 dB
 LASeq 59.5 dB
 LCseq - LASeq -0.7 dB
 LAleq 64.2 dB
 LAeq 59.5 dB
 LAleq - LAeq 4.7 dB

| | A | | C | | Z | |
|------------|------|---------------------|----|------------|------|---------------------|
| | dB | Time Stamp | dB | Time Stamp | dB | Time Stamp |
| Leq | 59.5 | | | | | |
| LS(max) | 76.7 | 2023/08/24 12:11:05 | | | | |
| LS(min) | 46.9 | 2023/08/24 12:13:27 | | | | |
| Lpeak(max) | | | | | 94.0 | 2023/08/24 12:19:29 |

Overload Count 0
 Overload Duration 0.0 s

Dose Settings

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

Results

| | OSHA-1 | OSHA-2 |
|-----------------|--------|----------|
| 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) | 44.5 | 44.5 dB |

Statistics

| | |
|-----------|---------|
| LAS 5.00 | 65.5 dB |
| LAS 10.00 | 62.6 dB |
| LAS 25.00 | 56.2 dB |
| LAS 50.00 | 53.2 dB |
| LAS 66.60 | 50.9 dB |
| LAS 90.00 | 48.5 dB |

Traffic Noise Modeling

**Irwindale GPU Traffic Summary Tables
Existing plus Project**

| Roadway Segment | Existing Land Uses Located Along Roadway Segment | Traffic Noise Levels (dBA CNEL) | | | Significant Impact? |
|--|--|---------------------------------|-----------------------|------------------------|---------------------|
| | | Existing | Existing with Project | Increase over Existing | |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Commercial/Industrial | 75.0 | 75.0 | 0.0 | No |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale A | Commercial/Open Space/Industrial | 73.5 | 73.6 | 0.1 | No |
| Irwindale Ave between Arrow Hwy & Tapia St | Residential/Commercial/Industrial | 71.8 | 71.8 | 0.1 | No |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Industrial/Commercial | 74.4 | 74.4 | 0.0 | No |
| Ramona Blvd between I-605 Fwy & Foster Ave | Residential/Commercial/Industrial | 70.8 | 71.2 | 0.4 | No |

**Irwindale GPU Traffic Summary Tables
Cumulative plus Project**

| Roadway Segment | Existing Land Uses Located Along Roadway Segment | Traffic Noise Levels (dBA CNEL) | | Increase over Existing | Significant Impact? |
|--|--|---------------------------------|------------------------------|------------------------|---------------------|
| | | Future Year (2029) | Future Year (2029) + Project | | |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Commercial/Industrial | 75.2 | 75.2 | 0.0 | No |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Commercial/Open Space/Industrial | 73.7 | 73.8 | 0.1 | No |
| Irwindale Ave between Arrow Hwy & Tapia St | Residential/Commercial/Industrial | 71.9 | 72.0 | 0.1 | No |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Industrial/Commercial | 74.6 | 74.6 | 0.0 | No |
| Ramona Blvd between I-605 Fwy & Foster Ave | Residential/Commercial/Industrial | 71.0 | 71.3 | 0.4 | No |

**Irwindale GPU Traffic Summary Tables
Existing + Cumulative Year Project**

| Roadway Segment | Existing Land Uses Located Along Roadway Segment | Traffic Noise Levels (dBA CNEL) | | | Significant Impact? | Project Increment |
|--|--|---------------------------------|---------------------------------|------------------------|---------------------|-------------------|
| | | Existing | Future Year (2029) with Project | Increase over Existing | | |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Commercial/Industrial | 75.0 | 75.2 | 0.2 | No | 0.0 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Commercial/Open Space/Industrial | 73.5 | 73.8 | 0.2 | No | 0.1 |
| Irwindale Ave between Arrow Hwy & Tapia St | Residential/Commercial/Industrial | 71.8 | 72.0 | 0.2 | No | 0.1 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Industrial/Commercial | 74.4 | 74.6 | 0.2 | No | 0.0 |
| Ramona Blvd between I-605 Fwy & Foster Ave | Residential/Commercial/Industrial | 70.8 | 71.3 | 0.5 | No | 0.4 |

TRAFFIC NOISE ANALYSIS TOOL



Project Name: Irwindale GPU
 Analysis Scenario: Existing
 Source of Traffic Volumes: LLG

| Segment | Ground Type | Distance from Roadway to Receiver (feet) | Speed (mph) | | | Peak Hour Volume | | | Peak Hour Noise Level (Leq(h) dBA) | Noise Level dBA CNEL | Distance (feet) to Noise Level (dBA CNEL) | | |
|--|-------------|--|-------------|----|----|------------------|----|----|------------------------------------|----------------------|---|-----|-----|
| | | | Auto | MT | HT | Auto | MT | HT | | | 60 | 65 | 70 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Hard | 45 | 45 | 45 | 40 | 4278 | 88 | 44 | 74.7 | 75.0 | 1,430 | 455 | 145 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Hard | 45 | 45 | 45 | 40 | 3031 | 62 | 31 | 73.2 | 73.5 | 1,015 | 320 | 100 |
| Irwindale Ave between Arrow Hwy & Tapia St | Hard | 45 | 45 | 45 | 40 | 2013 | 42 | 21 | 71.5 | 71.8 | 675 | 215 | 65 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Hard | 45 | 45 | 45 | 40 | 3708 | 76 | 38 | 74.1 | 74.4 | 1,240 | 395 | 125 |
| Ramona Blvd between I-605 Fwy & Foster Ave | Hard | 45 | 40 | 40 | 35 | 2290 | 47 | 24 | 70.5 | 70.8 | 545 | 175 | 55 |

Irwindale GPU Traffic Segment Volumes

Roadway Segment

| | AM | PM | Max | Auto | MT | HT |
|--|-----------|-----------|------------|-------------|-----------|-----------|
| Ramona Blvd between I-605 Fwy & Foster Ave | 2,361 | 2,361 | 2,361 | 2,290 | 47 | 24 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | 4,410 | 4,410 | 4,410 | 4,278 | 88 | 44 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | 3,125 | 3,125 | 3,125 | 3,031 | 62 | 31 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | 3,823 | 3,823 | 3,823 | 3,708 | 76 | 38 |
| Irwindale Ave between Arrow Hwy & Tapia St | 2,075 | 2,075 | 2,075 | 2,013 | 42 | 21 |

TRAFFIC NOISE ANALYSIS TOOL



Project Name: Irwindale GPU
 Analysis Scenario: Existing + Project
 Source of Traffic Volumes: LLG

| Segment | Ground Type | Distance from Roadway to Receiver (feet) | Speed (mph) | | | Peak Hour Volume | | | Peak Hour Noise Level (Leq(h) dBA) | Noise Level dBA CNEL | Distance (feet) to Noise Level (dBA CNEL) | | |
|--|-------------|--|-------------|----|----|------------------|----|----|------------------------------------|----------------------|---|-----|-----|
| | | | Auto | MT | HT | Auto | MT | HT | | | 60 | 65 | 70 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Hard | 45 | 45 | 45 | 40 | 4296 | 89 | 44 | 74.7 | 75.0 | 1,440 | 455 | 145 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Hard | 45 | 45 | 45 | 40 | 3098 | 64 | 32 | 73.3 | 73.6 | 1,035 | 330 | 105 |
| Irwindale Ave between Arrow Hwy & Tapia St | Hard | 45 | 45 | 45 | 40 | 2039 | 42 | 21 | 71.5 | 71.8 | 685 | 215 | 70 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Hard | 45 | 45 | 45 | 40 | 3726 | 77 | 38 | 74.1 | 74.4 | 1,245 | 395 | 125 |
| Ramona Blvd between I-605 Fwy & Foster Ave | Hard | 45 | 40 | 40 | 35 | 2488 | 51 | 26 | 70.9 | 71.2 | 595 | 190 | 60 |

Irwindale GPU Traffic Segment Volumes

Roadway Segment

| | AM | PM | Max | Auto | MT | HT |
|--|-----------|-----------|------------|-------------|-----------|-----------|
| Ramona Blvd between I-605 Fwy & Foster Ave | 2,565 | 2,565 | 2,565 | 2,488 | 51 | 26 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | 4,429 | 4,429 | 4,429 | 4,296 | 89 | 44 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | 3,193 | 3,193 | 3,193 | 3,098 | 64 | 32 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | 3,841 | 3,841 | 3,841 | 3,726 | 77 | 38 |
| Irwindale Ave between Arrow Hwy & Tapia St | 2,103 | 2,103 | 2,103 | 2,039 | 42 | 21 |

TRAFFIC NOISE ANALYSIS TOOL



Project Name: Irwindale GPU
 Analysis Scenario: Future Baseline (2029)
 Source of Traffic Volumes: LLG

| Segment | Ground Type | Distance from Roadway to Receiver (feet) | Speed (mph) | | | Peak Hour Volume | | | Peak Hour Noise Level (Leq(h) dBA) | Noise Level dBA CNEL |
|--|-------------|--|-------------|----|----|------------------|----|----|------------------------------------|----------------------|
| | | | Auto | MT | HT | Auto | MT | HT | | |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Hard | 45 | 45 | 45 | 40 | 4433 | 91 | 46 | 74.9 | 75.2 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Hard | 45 | 45 | 45 | 40 | 3141 | 65 | 32 | 73.4 | 73.7 |
| Irwindale Ave between Arrow Hwy & Tapia St | Hard | 45 | 45 | 45 | 40 | 2086 | 43 | 22 | 71.6 | 71.9 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Hard | 45 | 45 | 45 | 40 | 3842 | 79 | 40 | 74.3 | 74.6 |
| Ramona Blvd between I-605 Fwy & Foster Ave | Hard | 45 | 40 | 40 | 35 | 2373 | 49 | 24 | 70.7 | 71.0 |

Irwindale GPU Traffic Segment Volumes

Roadway Segment

| | AM | PM | Max | Auto | MT | HT |
|--|-----------|-----------|------------|-------------|-----------|-----------|
| Ramona Blvd between I-605 Fwy & Foster Ave | 2,447 | 2,447 | 2,447 | 2,373 | 49 | 24 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | 4,570 | 4,570 | 4,570 | 4,433 | 91 | 46 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | 3,238 | 3,238 | 3,238 | 3,141 | 65 | 32 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | 3,961 | 3,961 | 3,961 | 3,842 | 79 | 40 |
| Irwindale Ave between Arrow Hwy & Tapia St | 2,150 | 2,150 | 2,150 | 2,086 | 43 | 22 |

TRAFFIC NOISE ANALYSIS TOOL



Project Name: Irwindale GPU
 Analysis Scenario: Future + Project (2029)
 Source of Traffic Volumes: LLG

| Segment | Ground Type | Distance from Roadway to Receiver (feet) | Speed (mph) | | | Peak Hour Volume | | | Peak Hour Noise Level (Leq(h) dBA) | Noise Level dBA CNEL | Distance (feet) to Noise Level (dBA CNEL) | | |
|--|-------------|--|-------------|----|----|------------------|----|----|------------------------------------|----------------------|---|-----|-----|
| | | | Auto | MT | HT | Auto | MT | HT | | | 60 | 65 | 70 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | Hard | 45 | 45 | 45 | 40 | 4451 | 92 | 46 | 74.9 | 75.2 | 1,490 | 470 | 150 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | Hard | 45 | 45 | 45 | 40 | 3208 | 66 | 33 | 73.5 | 73.8 | 1,075 | 340 | 105 |
| Irwindale Ave between Arrow Hwy & Tapia St | Hard | 45 | 45 | 45 | 40 | 2113 | 44 | 22 | 71.7 | 72.0 | 705 | 225 | 70 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | Hard | 45 | 45 | 45 | 40 | 3860 | 80 | 40 | 74.3 | 74.6 | 1,290 | 410 | 130 |
| Ramona Blvd between I-605 Fwy & Foster Ave | Hard | 45 | 40 | 40 | 35 | 2571 | 53 | 27 | 71.0 | 71.3 | 615 | 195 | 60 |

Irwindale GPU Traffic Segment Volumes

Roadway Segment

| | AM | PM | Max | Auto | MT | HT |
|--|-----------|-----------|------------|-------------|-----------|-----------|
| Ramona Blvd between I-605 Fwy & Foster Ave | 2,650 | 2,650 | 2,650 | 2,571 | 53 | 27 |
| Arrow Hwy between Irwindale Ave & Vincent Ave | 4,589 | 4,589 | 4,589 | 4,451 | 92 | 46 |
| Huntington Dr/E Foothill Blvd between Las Lomas Rd & Irwindale Ave | 3,307 | 3,307 | 3,307 | 3,208 | 66 | 33 |
| Irwindale Ave between E Foothill Blvd & I-210 Fwy | 3,979 | 3,979 | 3,979 | 3,860 | 80 | 40 |
| Irwindale Ave between Arrow Hwy & Tapia St | 2,178 | 2,178 | 2,178 | 2,113 | 44 | 22 |