



DOUGLASKIM+ASSOCIATES,LLC

## AMBIENT NOISE MEASUREMENTS

# Session Report

9/10/2025

## Information Panel

Name Meridian Boulevard near Minaret Road

Comments

Start Time 9/5/2025 1:45:34 PM

Stop Time 9/5/2025 2:00:46 PM

Run Time 00:15:12

Serial Number SE40214325

Device Name SE40214325

Model Type Sound Examiner

Device Firmware Rev R.11F

Company Name

Description

Location

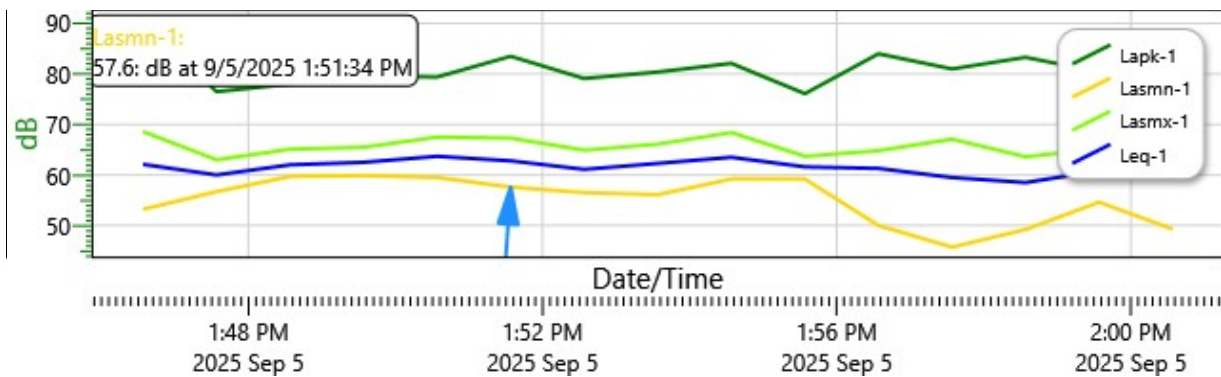
User Name

## Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	61.6 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

## Logged Data Chart

Meridian Boulevard near Minaret Road: Logged Data Chart



## Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/5/2025 1:46:34 PM	90.6	53.2	68.6	62.1
1:47:34 PM	76.5	56.7	63	60
1:48:34 PM	78	59.7	65.1	62
1:49:34 PM	79.6	59.9	65.5	62.5
1:50:34 PM	79.4	59.5	67.5	63.7
1:51:34 PM	83.5	57.6	67.3	62.8
1:52:34 PM	79.1	56.5	64.9	61.1
1:53:34 PM	80.4	56.1	66.1	62.3
1:54:34 PM	82.1	59.2	68.4	63.5
1:55:34 PM	76.1	59.2	63.7	61.6
1:56:34 PM	84	50	64.8	61.3
1:57:34 PM	81	45.7	67.1	59.5
1:58:34 PM	83.3	49.2	63.6	58.5
1:59:34 PM	80.4	54.6	65.2	60.8
2:00:34 PM	79.2	49.3	64.4	59.7

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## Information Panel

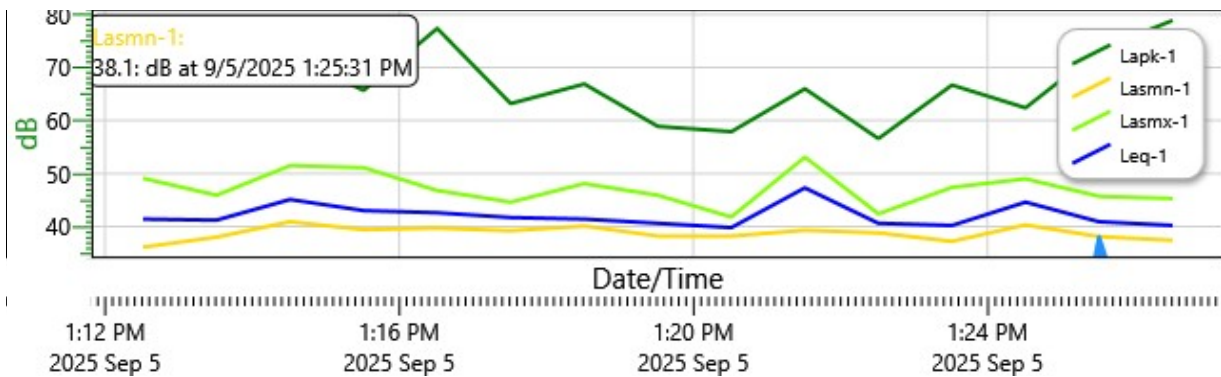
Name 1526 Obsidian Place  
Comments  
Start Time 9/5/2025 1:11:31 PM  
Stop Time 9/5/2025 1:26:44 PM  
Run Time 00:15:13  
Serial Number SE40214325  
Device Name SE40214325  
Model Type Sound Examiner  
Device Firmware Rev R.11F  
Company Name  
Description  
Location  
User Name

## Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	42.5 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

## Logged Data Chart

1526 Obsidian Place: Logged Data Chart



## Logged Data Table

Date/Time	Lapk-1	Lasmn-1	Lasmx-1	Leq-1
9/5/2025 1:12:31 PM	74	36.1	49.1	41.4
1:13:31 PM	68.4	38	45.9	41.2
1:14:31 PM	72.2	40.9	51.5	45.1
1:15:31 PM	65.7	39.4	51.1	43
1:16:31 PM	77.4	39.7	46.8	42.6
1:17:31 PM	63.2	39.2	44.6	41.7
1:18:31 PM	66.9	40.1	48.1	41.4
1:19:31 PM	58.9	38.2	45.9	40.6
1:20:31 PM	57.9	38.2	41.8	39.8
1:21:31 PM	66	39.3	53.1	47.3
1:22:31 PM	56.6	38.8	42.4	40.6
1:23:31 PM	66.7	37.2	47.4	40.2
1:24:31 PM	62.4	40.3	49	44.6
1:25:31 PM	73.3	38.1	45.7	40.9
1:26:31 PM	78.9	37.4	45.3	40.2

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## Information Panel

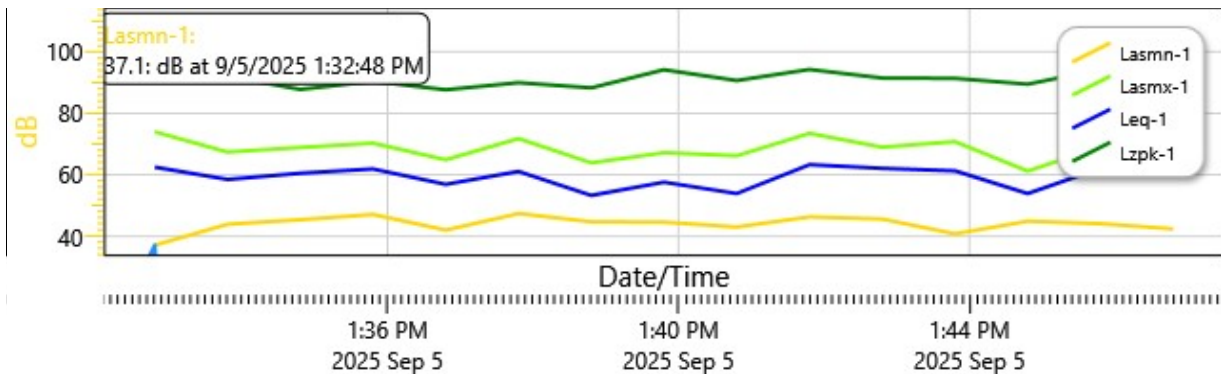
Name 543 Joaquin Road  
Comments  
Start Time 9/5/2025 1:31:48 PM  
Stop Time 9/5/2025 1:47:20 PM  
Run Time 00:15:32  
Serial Number SE40213991  
Device Name SE40213991  
Model Type Sound Examiner  
Device Firmware Rev R.11F  
Company Name  
Description  
Location  
User Name

## Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	60.3 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

## Logged Data Chart

543 Joaquin Road: Logged Data Chart



## Logged Data Table

Date/Time	Lzpk-1	Lasmn-1	Lasmx-1	Leq-1
9/5/2025 1:32:48 PM	110.9	37.1	74	62.5
1:33:48 PM	92.1	43.9	67.4	58.5
1:34:48 PM	87.8	45.4	68.9	60.5
1:35:48 PM	90.4	47.1	70.3	61.9
1:36:48 PM	87.7	42	64.9	56.9
1:37:48 PM	90	47.4	71.8	61.1
1:38:48 PM	88.3	44.7	63.9	53.3
1:39:48 PM	94.2	44.6	67.2	57.6
1:40:48 PM	90.7	43	66.2	53.9
1:41:48 PM	94.3	46.3	73.5	63.3
1:42:48 PM	91.5	45.6	69	62.1
1:43:48 PM	91.4	40.8	70.8	61.3
1:44:48 PM	89.5	44.9	61.2	53.9
1:45:48 PM	94.3	44.1	69.2	62.1
1:46:48 PM	87.4	42.4	68.2	61.1

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## Information Panel

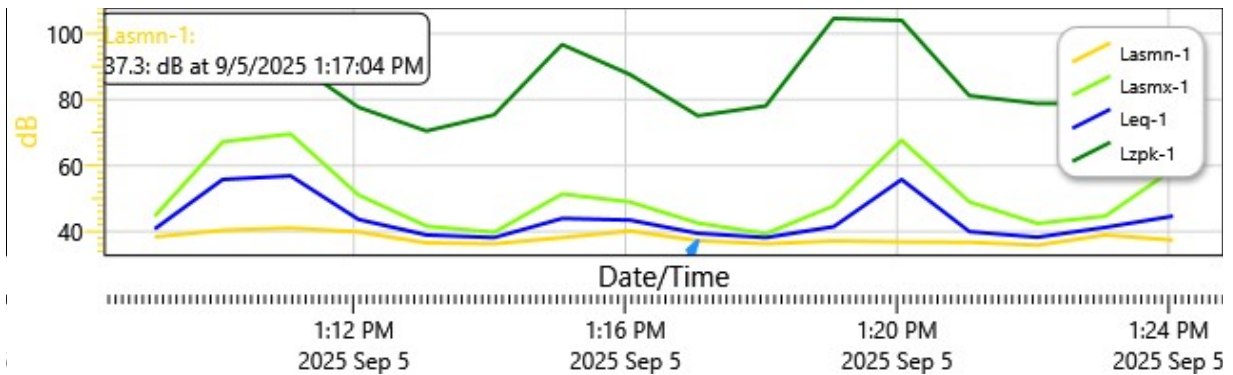
Name 384 Joaquin Road  
Comments  
Start Time 9/5/2025 1:08:04 PM  
Stop Time 9/5/2025 1:24:32 PM  
Run Time 00:16:28  
Serial Number SE40213991  
Device Name SE40213991  
Model Type Sound Examiner  
Device Firmware Rev R.11F  
Company Name  
Description  
Location  
User Name

## Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	50.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF

## Logged Data Chart

384 Joaquin Road: Logged Data Chart



## Logged Data Table

Date/Time	Lzpk-1	Lasmn-1	Lasmx-1	Leq-1
9/5/2025 1:09:04 PM	102.1	38.4	44.7	40.8
1:10:04 PM	88.5	40.4	67.2	55.8
1:11:04 PM	91.9	41.1	69.6	56.9
1:12:04 PM	77.7	39.9	51.1	43.7
1:13:04 PM	70.5	36.6	41.7	39
1:14:04 PM	75.4	36.3	39.8	38.2
1:15:04 PM	96.7	38.2	51.4	44
1:16:04 PM	87.6	40.2	49	43.5
1:17:04 PM	75.1	37.3	42.6	39.5
1:18:04 PM	78.1	36.3	39.4	38.2
1:19:04 PM	104.6	37.2	47.8	41.5
1:20:04 PM	104	36.9	67.7	55.8
1:21:04 PM	81.2	36.8	49	40
1:22:04 PM	78.8	35.9	42.5	38.3
1:23:04 PM	78.7	39	44.7	41.3
1:24:04 PM	90.8	37.4	58.9	44.7



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## CONSTRUCTION VIBRATION CALCULATIONS

**474 Joaquin Road Project****Construction Vibration**

Receptor: Residences - Obsidian Place  
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.191</b>

Receptor: Residences - Obsidian Place  
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.164</b>

Receptor: Residences - 384 Joaquin Road  
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.191</b>

Receptor: Residences - 384 Joaquin Road  
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.164</b>

Receptor: Residences - 543 Joaquin Road  
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	70
Vibration Level (in/sec)	<b>0.032</b>

Receptor: Residences - 543 Joaquin Road  
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	70
Vibration Level (in/sec)	<b>0.027</b>

**474 Joaquin Road Project**

Receptor: Residences - Obsidian Place  
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.006</b>

Receptor: Residences - Obsidian Place  
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.075</b>

Receptor: Residences - 384 Joaquin Road  
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.006</b>

Receptor: Residences - 384 Joaquin Road  
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	<b>0.075</b>

Receptor: Residences - 543 Joaquin Road  
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	70
Vibration Level (in/sec)	<b>0.001</b>

Receptor: Residences - 543 Joaquin Road  
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	70
Vibration Level (in/sec)	<b>0.013</b>

**Sources**

California Department of Transportation (Caltrans), *Transportation and Construction Vibration Guidance Manual*,  
Federal Transit Administration (FTA), *Transit Noise and Vibration Impact Assessment*, September 2018