

Waveform Trigger Source Long at December 10, 2024 11:04:15
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM7450
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration June 28, 2024 by Instantel
Event File Name UM7450_20241210110415.IDFW
USB Sensor Support Disabled

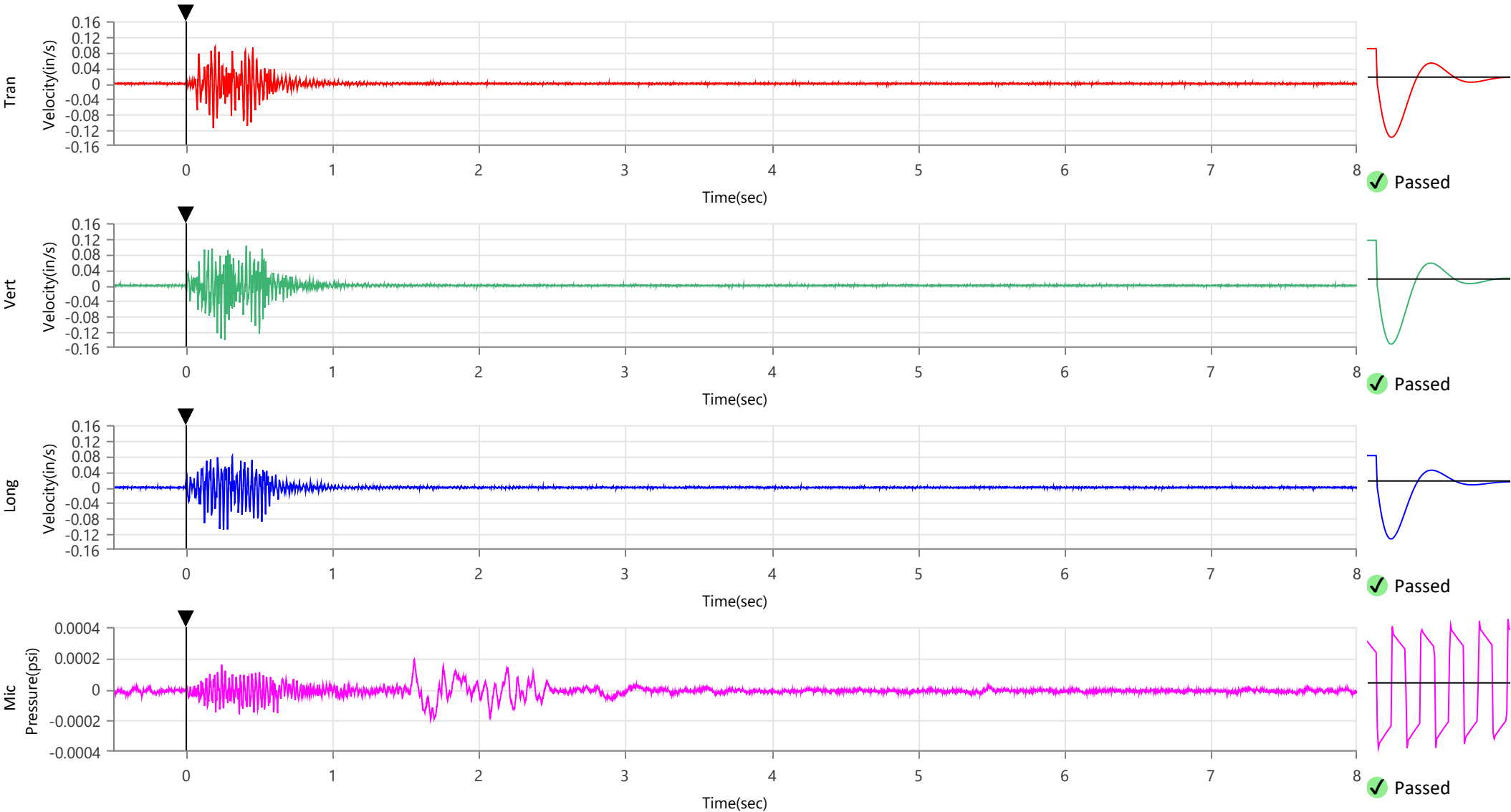
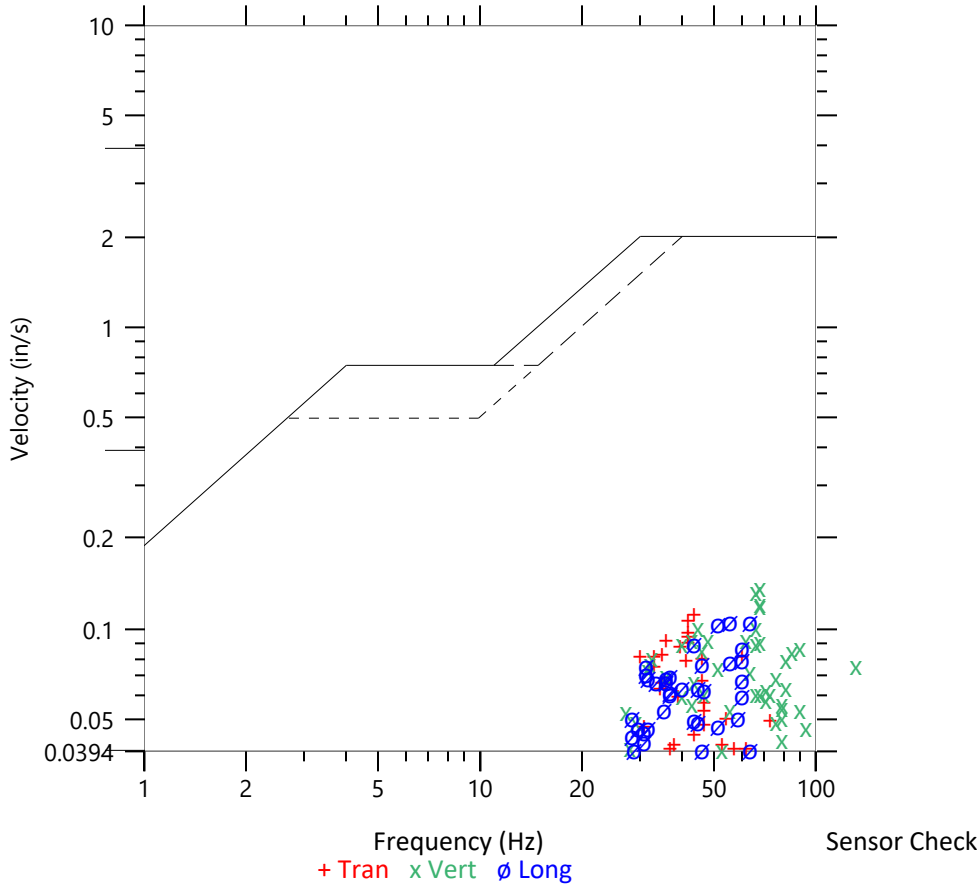
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1142 in/s	0.1403 in/s	0.1083 in/s
Zero Crossing Frequency	43.6 Hz	68.3 Hz	55.4 Hz
Time (Relative to Trigger)	0.184 sec	0.264 sec	0.255 sec
Peak Acceleration	0.109 g	0.168 g	0.138 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.2	4.0	5.3
Peak Vector Sum	0.1514 in/s at 0.212 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000196 psi
Peak Sound Pressure Level 96.6 dB(L)
Time (Relative to Trigger) 1.670 sec
Zero Crossing Frequency 3.7 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1491 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



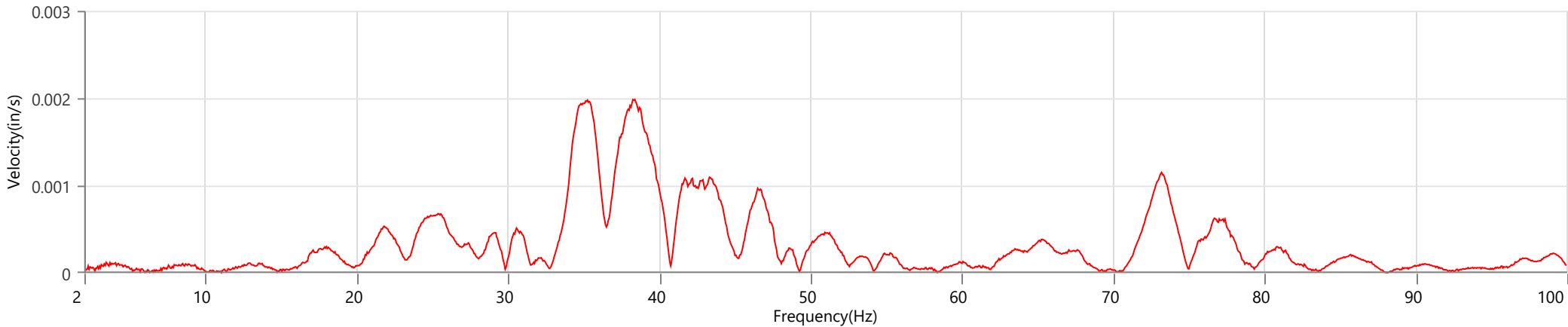
Waveform Trigger Source Long at December 10, 2024 11:04:15
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM7450
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration June 28, 2024 by Instantel
Event File Name UM7450_20241210110415.IDFW
USB Sensor Support Disabled

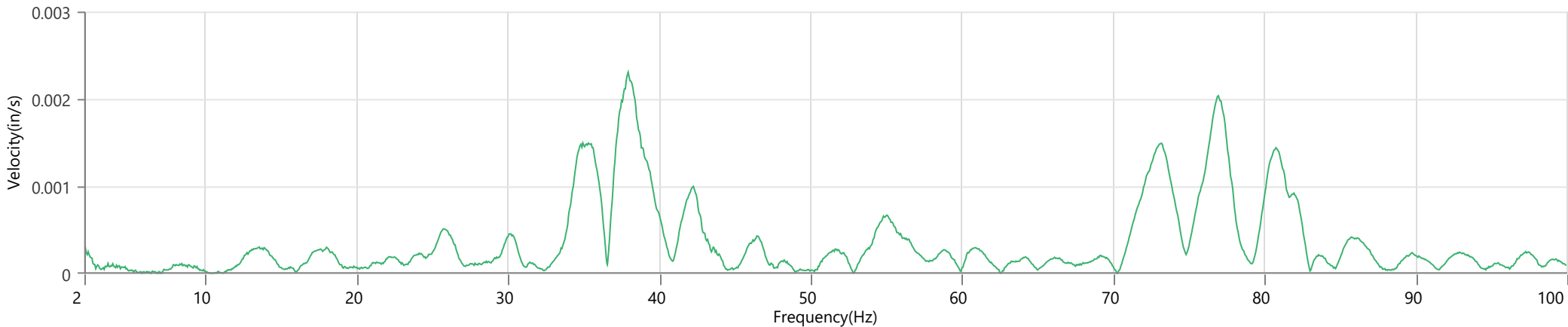
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

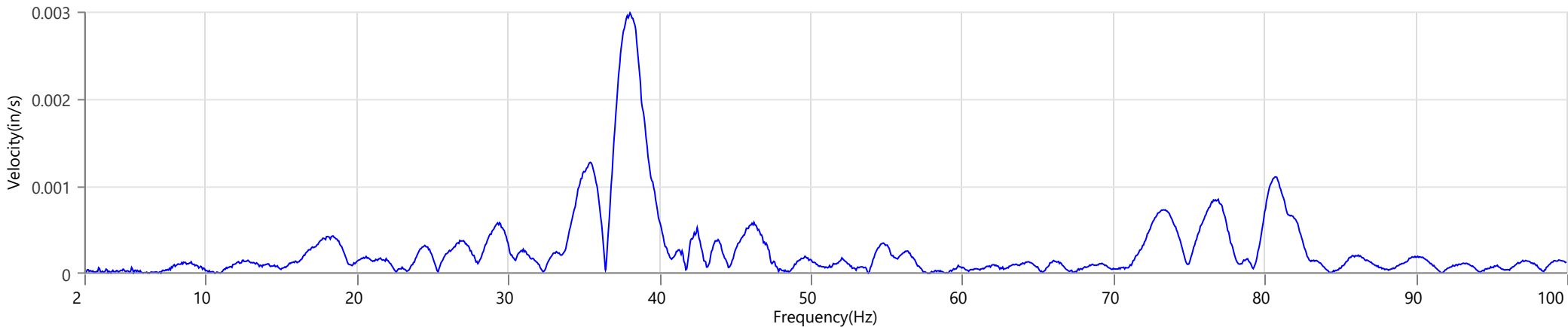
Tran - Dominant Frequency 38.4 Hz, Amplitude 0.0020 in/s (Peak Particle Velocity: 0.1142 in/s)



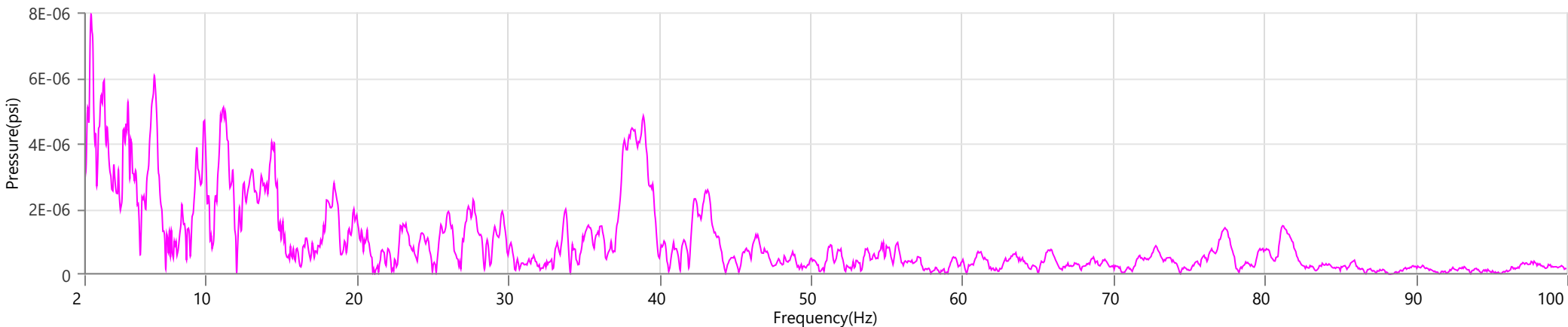
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.1403 in/s)



Long - Dominant Frequency 38.1 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1083 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000196 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 3.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM18138
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM18138_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

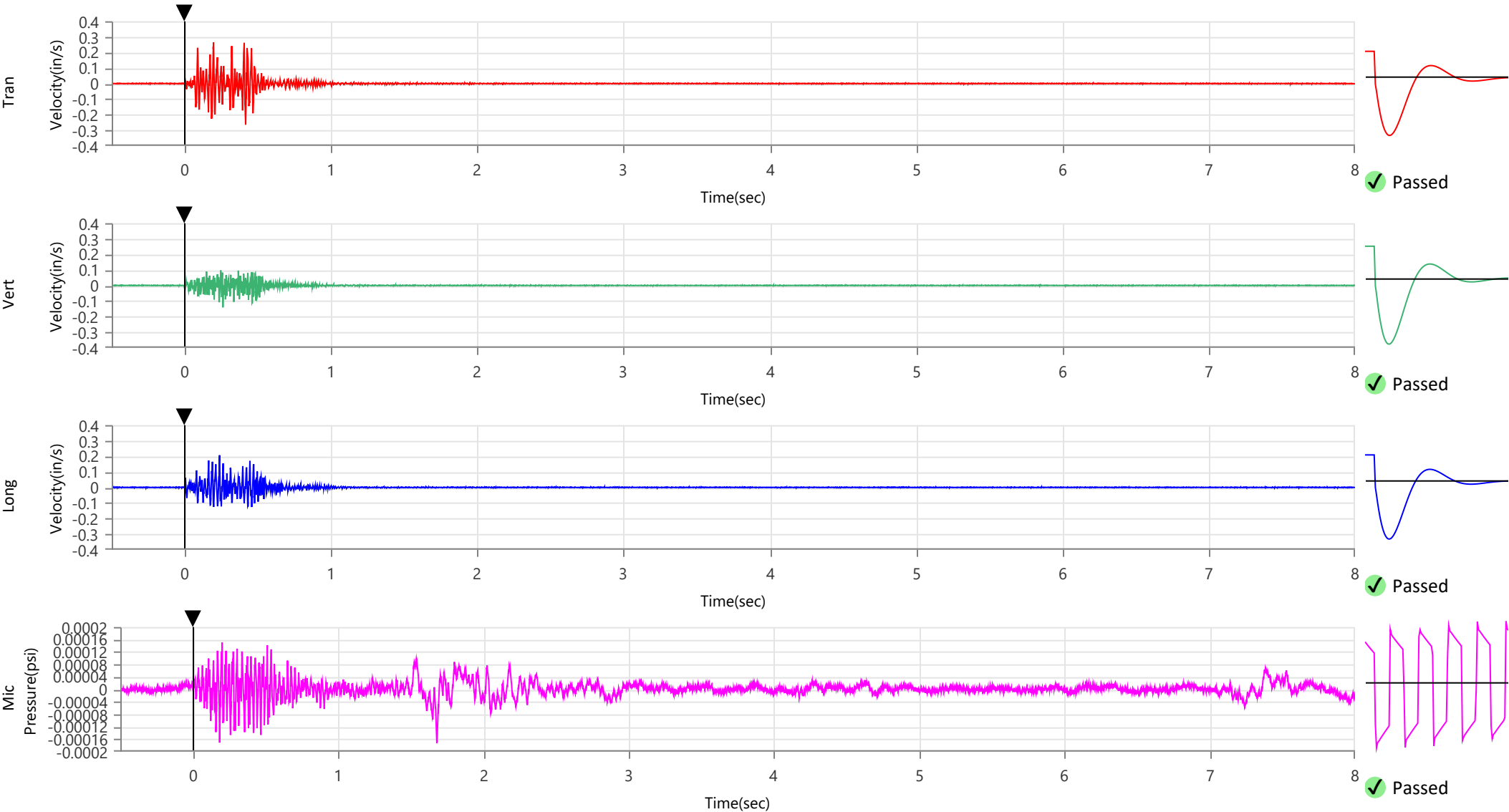
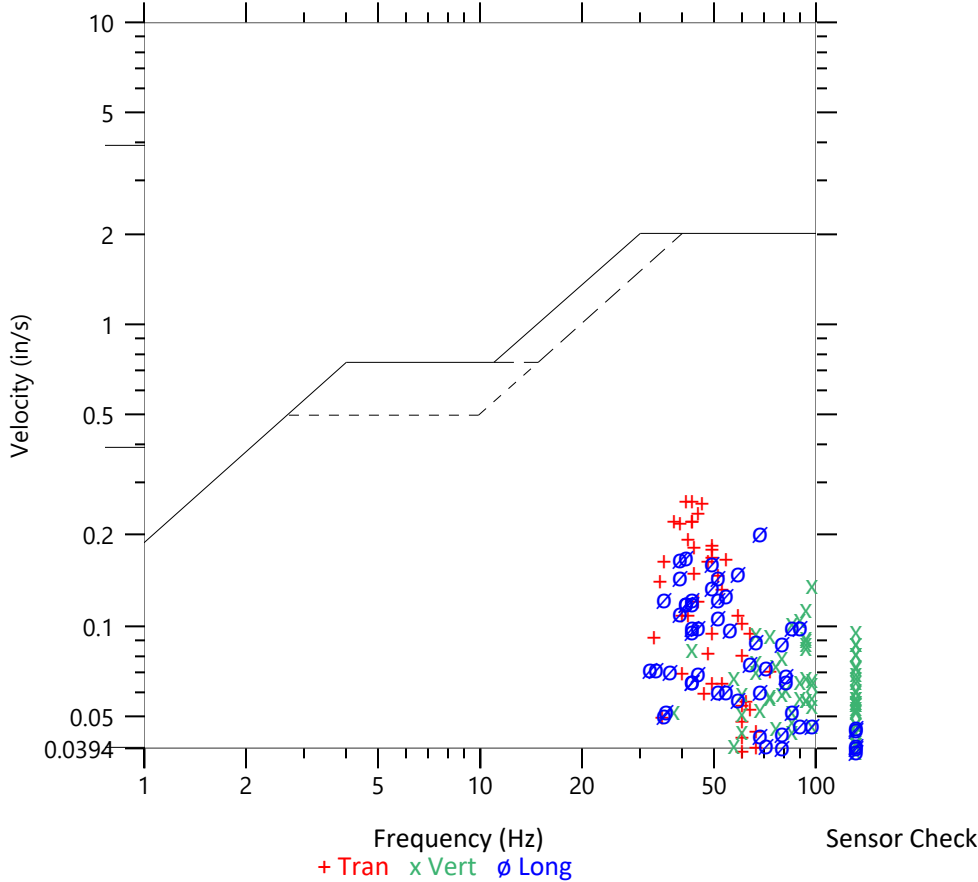
Tran	Vert	Long
0.2650 in/s	0.1406 in/s	0.2067 in/s
41.0 Hz	97.5 Hz	68.3 Hz
0.197 sec	0.261 sec	0.237 sec
0.286 g	0.237 g	0.267 g
0.001 in	0.000 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
6.9 Hz	7.3 Hz	7.1 Hz
5.0	4.3	4.9

Peak Vector Sum 0.2993 in/s at 0.197 sec

ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Frequency
Test Amplitude

0.000173 psi
95.5 dB(L)
1.680 sec
16.7 Hz
✓ Passed
20.5 Hz
1469 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 3.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

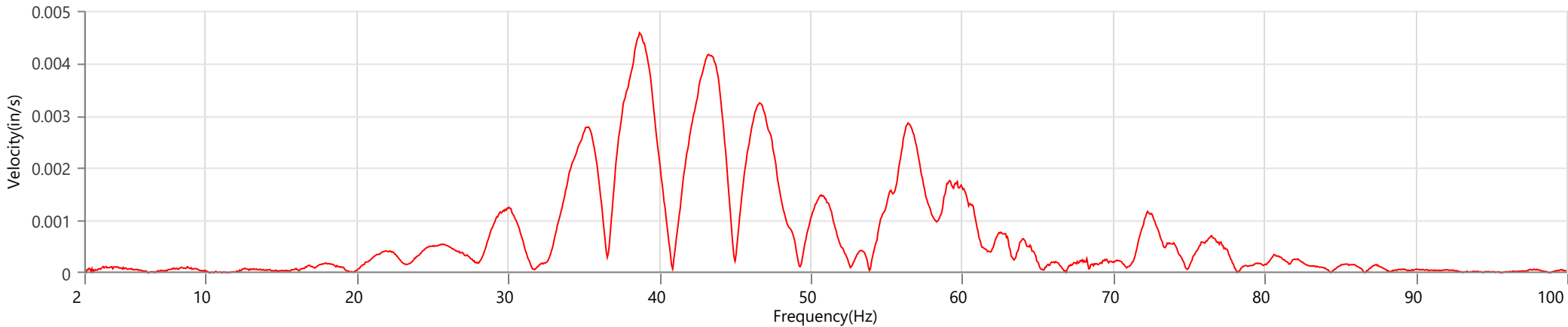
UM18138
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM18138_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

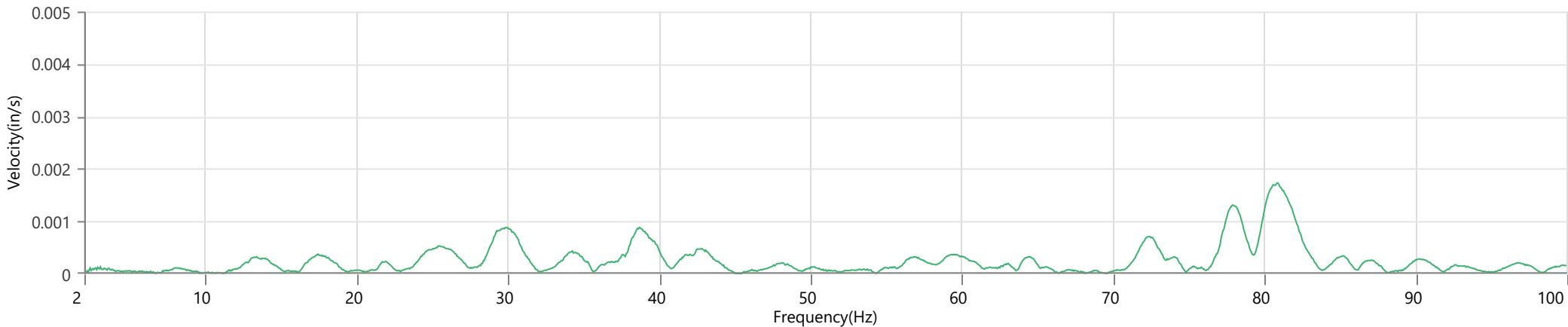
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

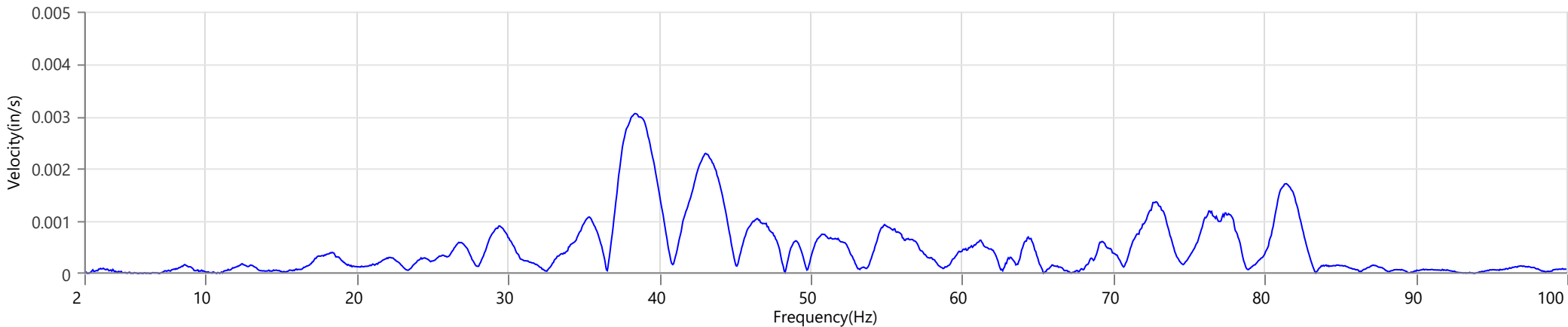
Tran - Dominant Frequency 38.7 Hz, Amplitude 0.0046 in/s (Peak Particle Velocity: 0.2650 in/s)



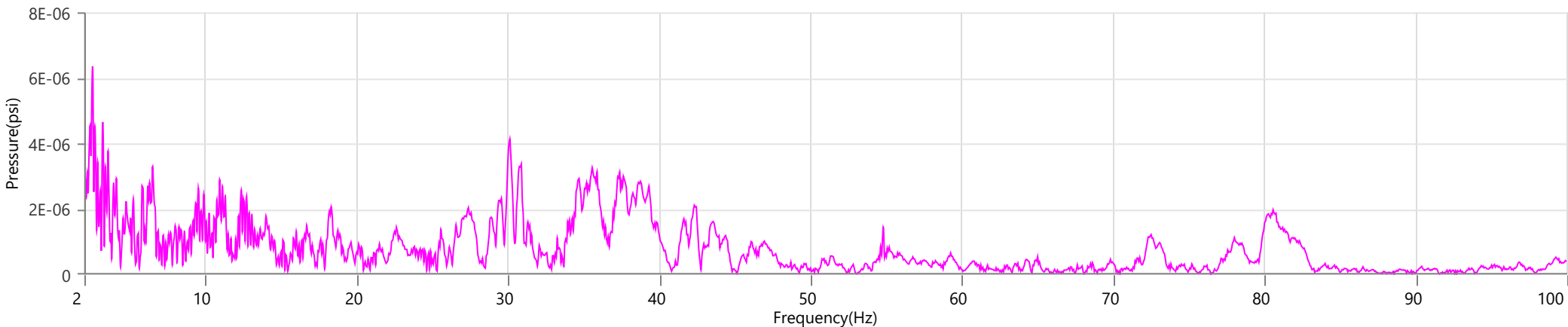
Vert - Dominant Frequency 80.9 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.1406 in/s)



Long - Dominant Frequency 38.4 Hz, Amplitude 0.0031 in/s (Peak Particle Velocity: 0.2067 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000173 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:17
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 4.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM8723
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM8723_20241210110417.IDFW
Disabled

Notes
Location
Client
Company
General Notes

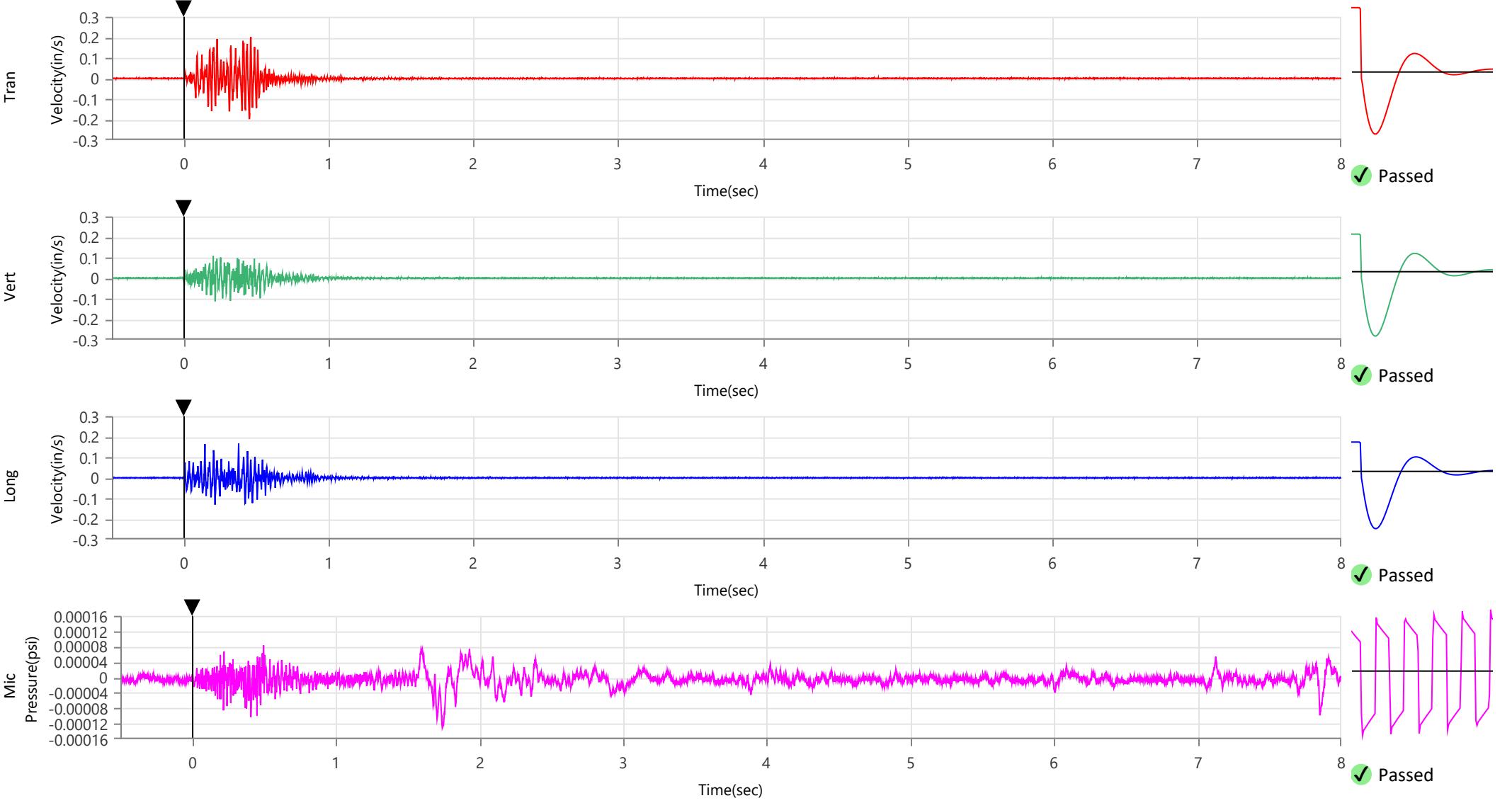
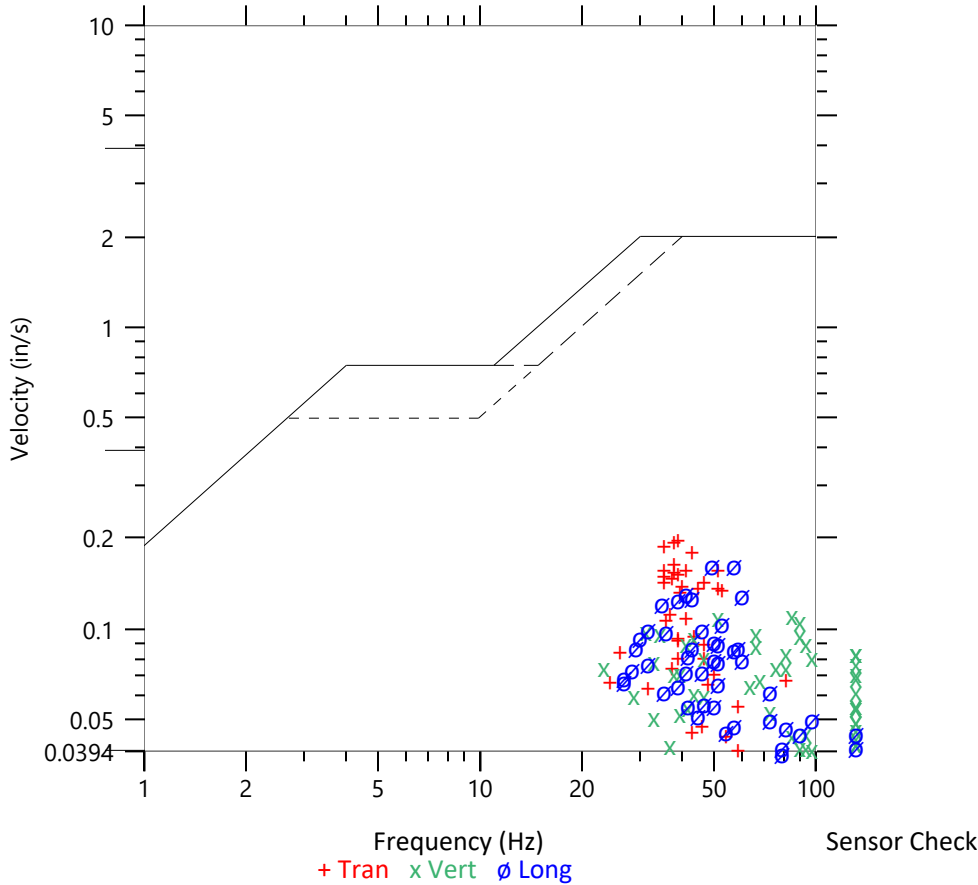
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.2017 in/s	0.1130 in/s	0.1660 in/s
Zero Crossing Frequency	38.6 Hz	85.3 Hz	56.9 Hz
Time (Relative to Trigger)	0.461 sec	0.214 sec	0.376 sec
Peak Acceleration	0.240 g	0.178 g	0.161 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.3	3.5	3.9
Peak Vector Sum	0.2208 in/s at 0.461 sec		

ISEE Linear Microphone	
Peak Sound Pressure Level	0.000131 psi
Peak Sound Pressure Level	93.1 dB(L)
Time (Relative to Trigger)	1.741 sec
Zero Crossing Frequency	6.1 Hz
Sensor Check	✓ Passed
Frequency	20.5 Hz
Test Amplitude	1484 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:17
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 4.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

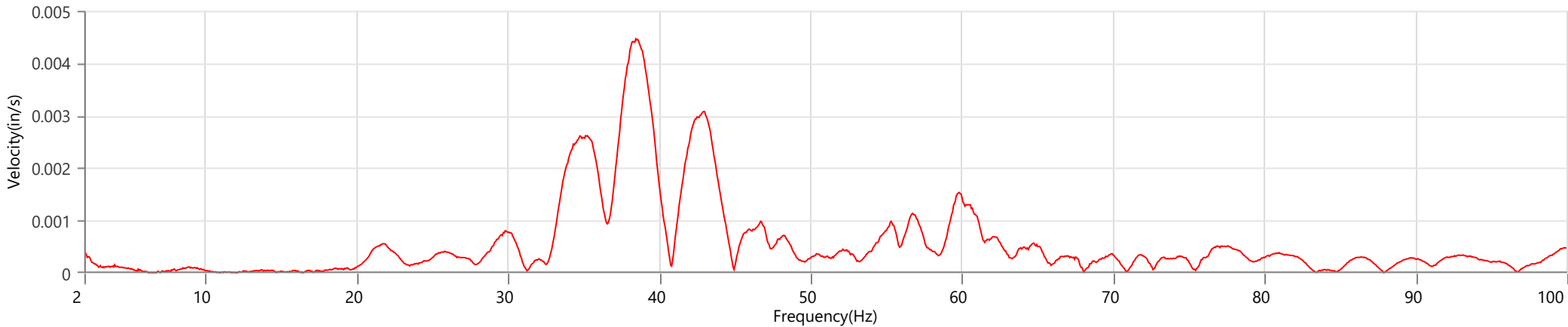
UM8723
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM8723_20241210110417.IDFW
Disabled

Notes
Location
Client
Company
General Notes

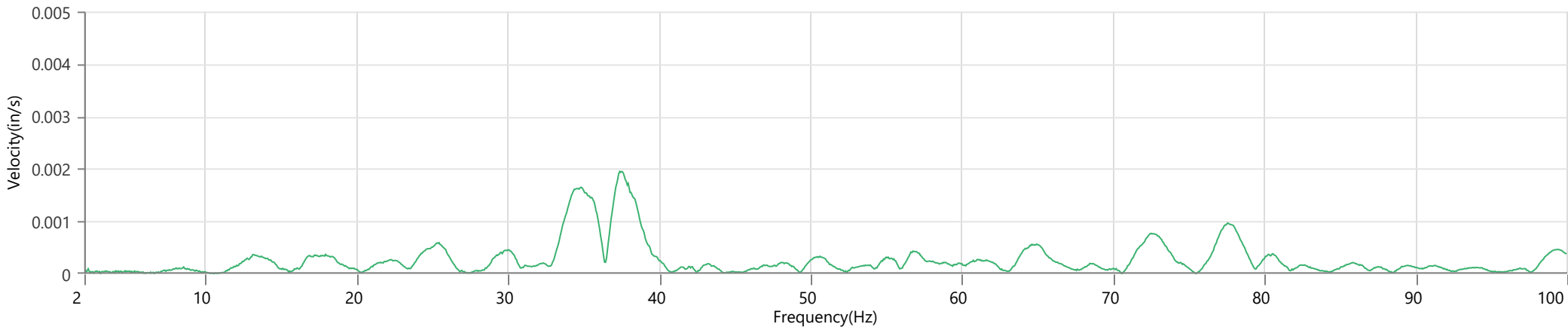
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

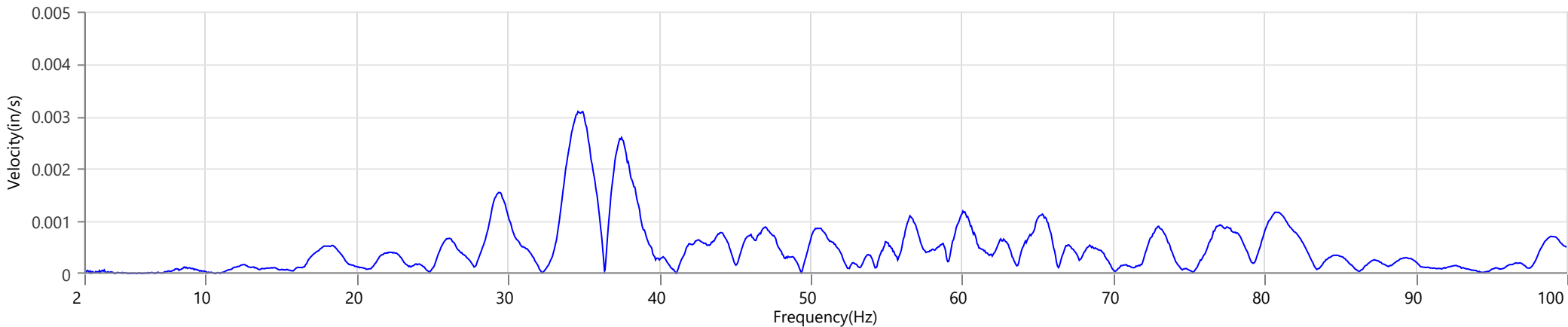
Tran - Dominant Frequency 38.4 Hz, Amplitude 0.0045 in/s (Peak Particle Velocity: 0.2017 in/s)



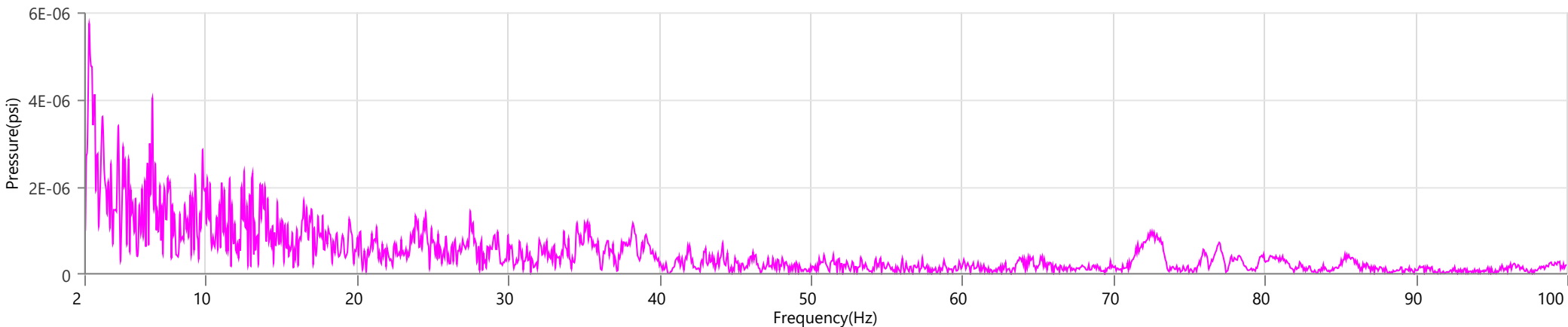
Vert - Dominant Frequency 37.4 Hz, Amplitude 0.0020 in/s (Peak Particle Velocity: 0.1130 in/s)



Long - Dominant Frequency 34.6 Hz, Amplitude 0.0031 in/s (Peak Particle Velocity: 0.1660 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000131 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 5.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM19910
Micromate ISEE 11.0AK
3.8 volts
May 22, 2024 by Instantel
UM19910_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 5
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

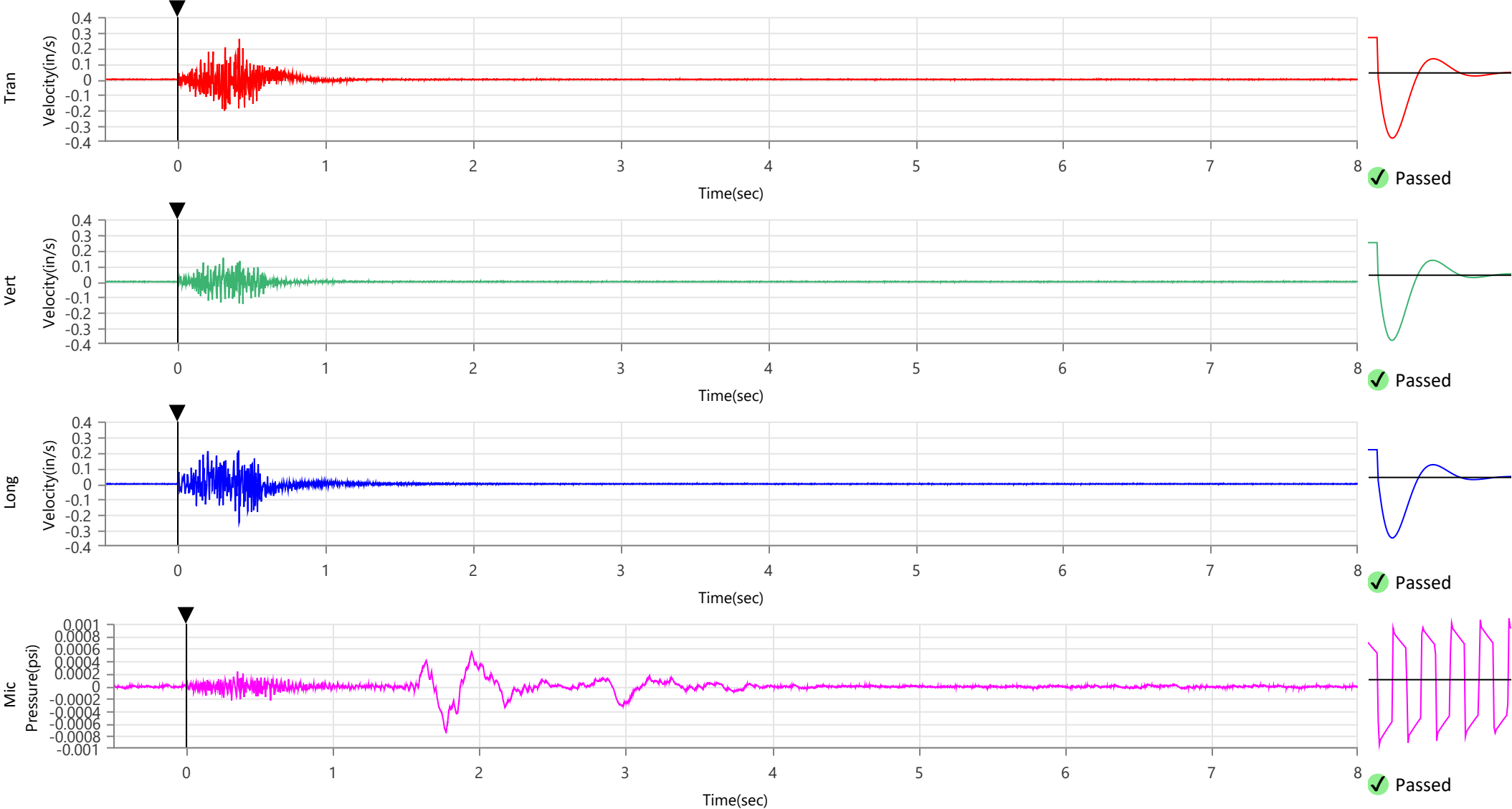
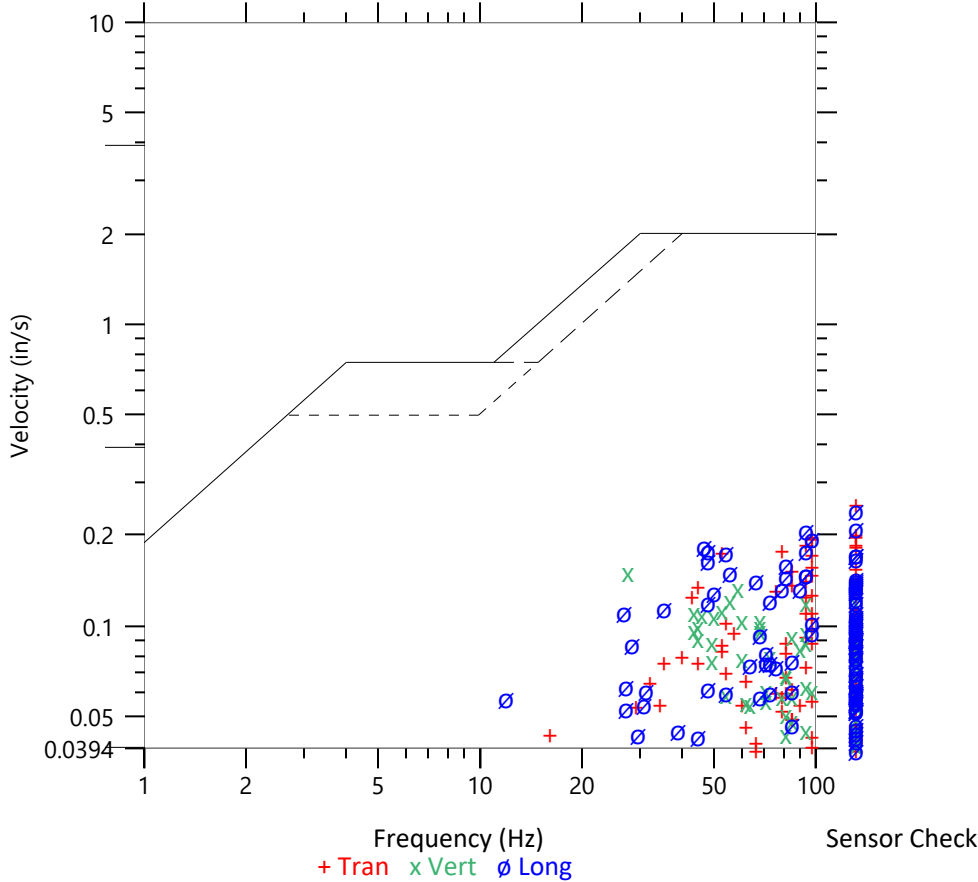
Tran	Vert	Long
0.2588 in/s	0.1524 in/s	0.2473 in/s
>100 Hz	27.7 Hz	>100 Hz
0.414 sec	0.305 sec	0.413 sec
0.441 g	0.296 g	0.477 g
0.000 in	0.000 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
7.1 Hz	7.3 Hz	7.1 Hz
4.5	4.3	4.7

Peak Vector Sum 0.3733 in/s at 0.413 sec

ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Frequency
Test Amplitude

0.000729 psi
108.0 dB(L)
1.771 sec
2.7 Hz
✓ Passed
20.5 Hz
1523 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 5.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

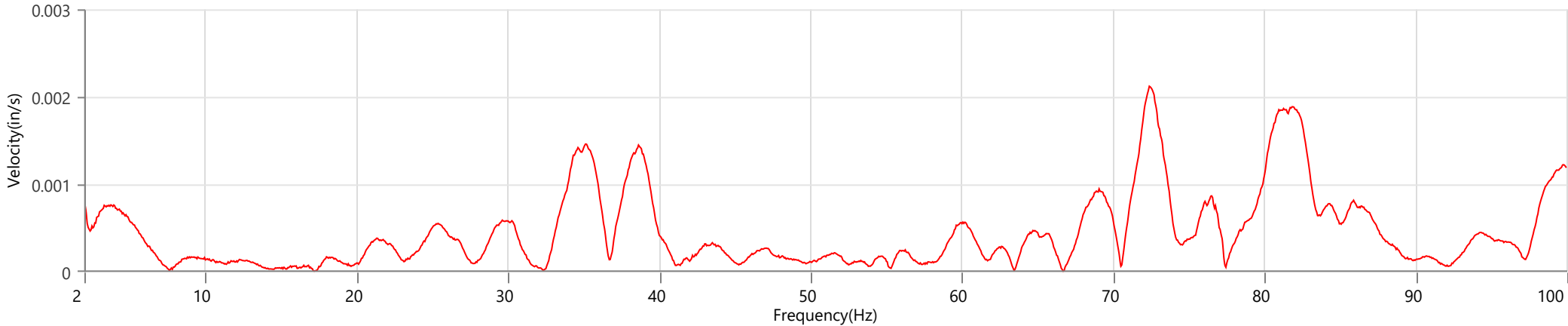
UM19910
Micromate ISEE 11.0AK
3.8 volts
May 22, 2024 by Instantel
UM19910_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

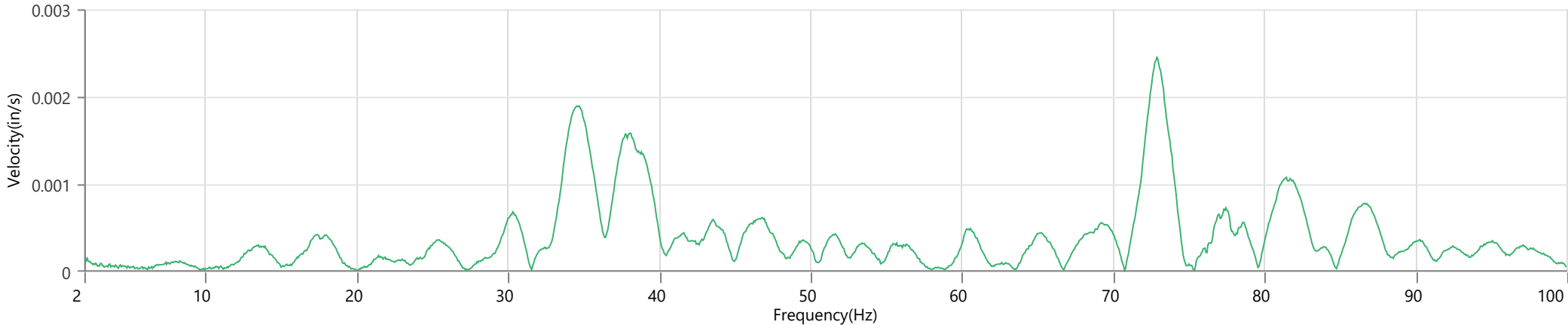
Station 5
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.49911 W98.21538
Post Event Notes No text to be displayed.

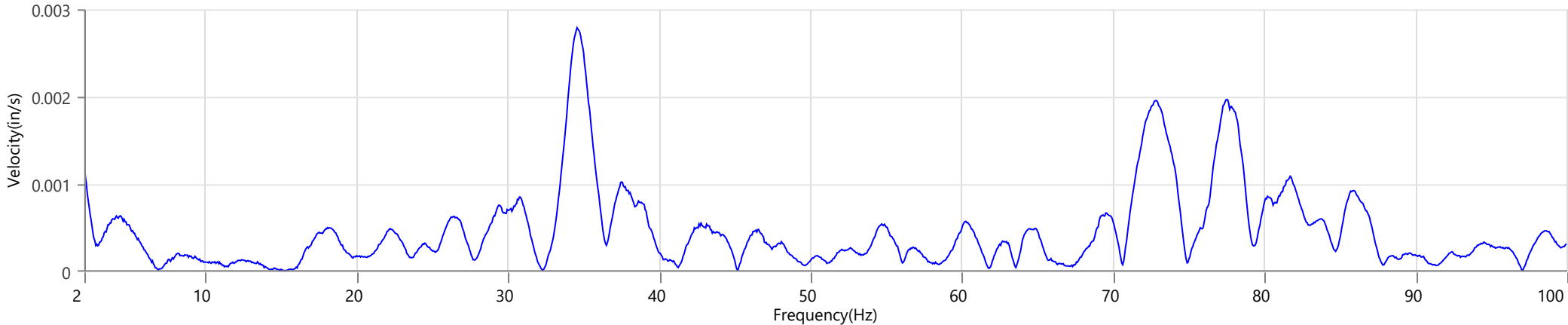
Tran - Dominant Frequency 72.4 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.2588 in/s)



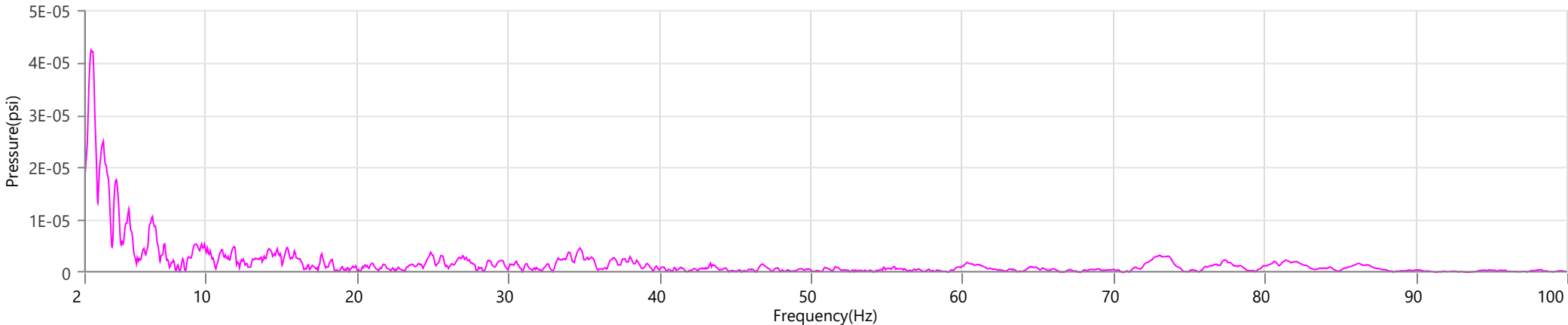
Vert - Dominant Frequency 72.9 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1524 in/s)



Long - Dominant Frequency 34.6 Hz, Amplitude 0.0028 in/s (Peak Particle Velocity: 0.2473 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000729 psi)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 6.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

UM11400
Micromate ISEE 11.0AK
3.8 volts
May 21, 2024 by Instantel
UM11400_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

Station 6
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

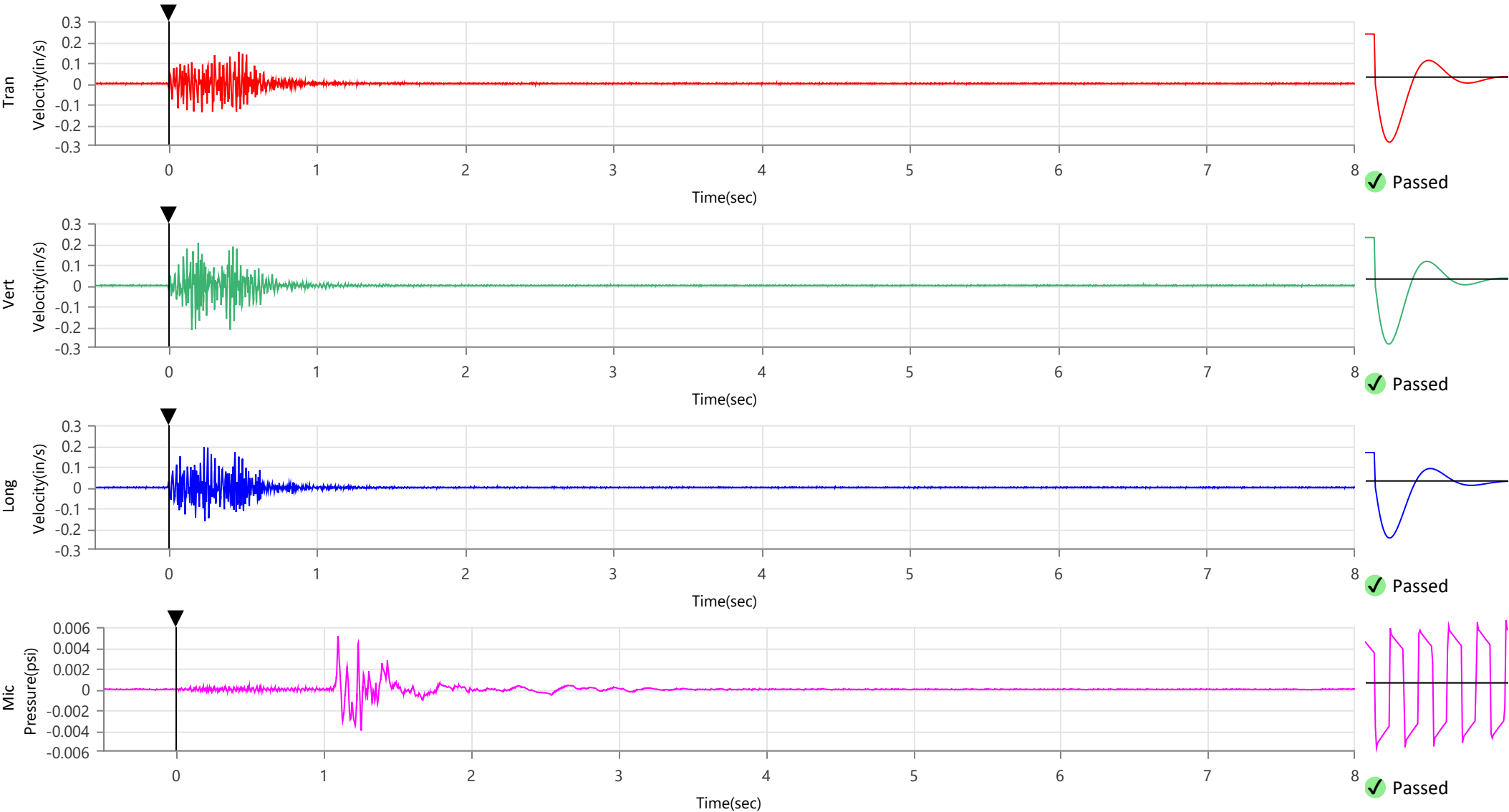
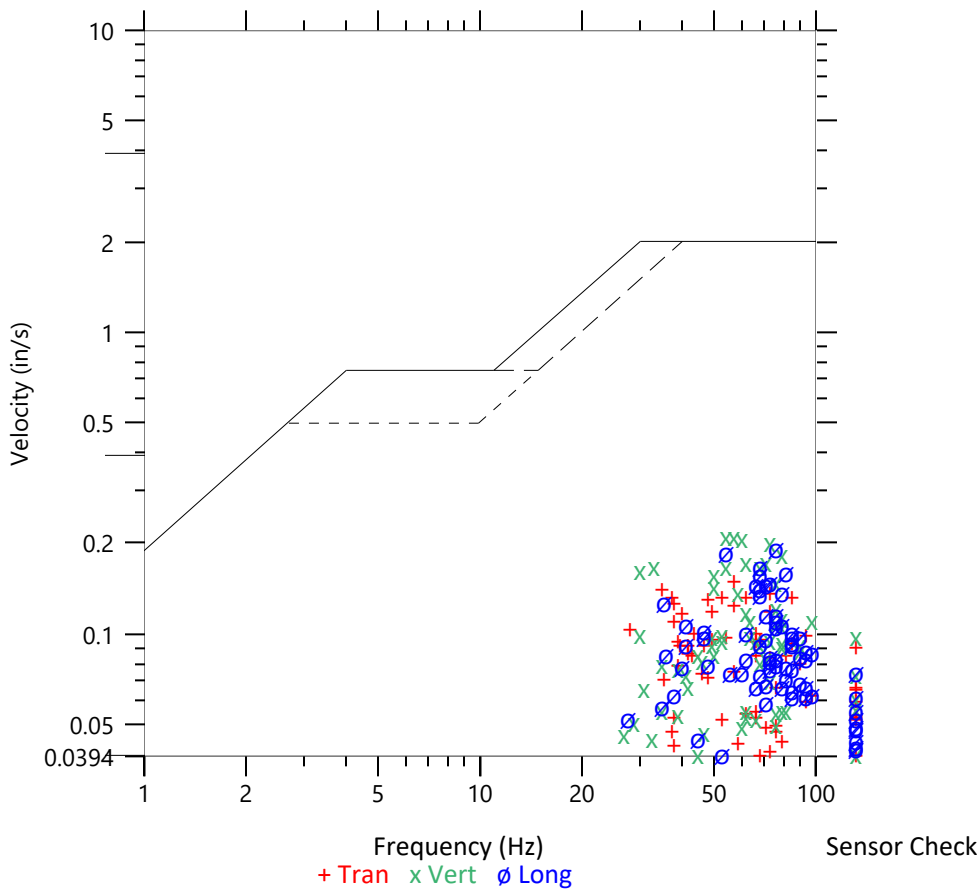
Tran	Vert	Long
0.1521 in/s	0.2147 in/s	0.1952 in/s
56.9 Hz	56.9 Hz	75.9 Hz
0.473 sec	0.156 sec	0.239 sec
0.188 g	0.240 g	0.260 g
0.001 in	0.001 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
7.5 Hz	7.7 Hz	7.1 Hz
3.8	3.6	4.5

Peak Vector Sum 0.2555 in/s at 0.181 sec

ISEE Linear Microphone
Peak Sound Pressure Level
Peak Sound Pressure Level
Time (Relative to Trigger)
Zero Crossing Frequency
Sensor Check
Frequency
Test Amplitude

0.005137 psi
125.0 dB(L)
1.095 sec
9.4 Hz
✓ Passed
20.5 Hz
1477 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
Trigger Level (Mic)
Pre-Trigger/Record Time
Sample Rate
Setup File Name
Operator

Vert at December 10, 2024 11:04:16
Geo 0.0200 in/s
Mic 0.01029 psi, 131 dB(L)
0.50 sec/8.0 sec (Fixed)
4096 sps
Spicewood Hwy 71 - Station 6.mmb
Operator

Serial Number
Model Number
Battery Level
Unit Calibration
Event File Name
USB Sensor Support

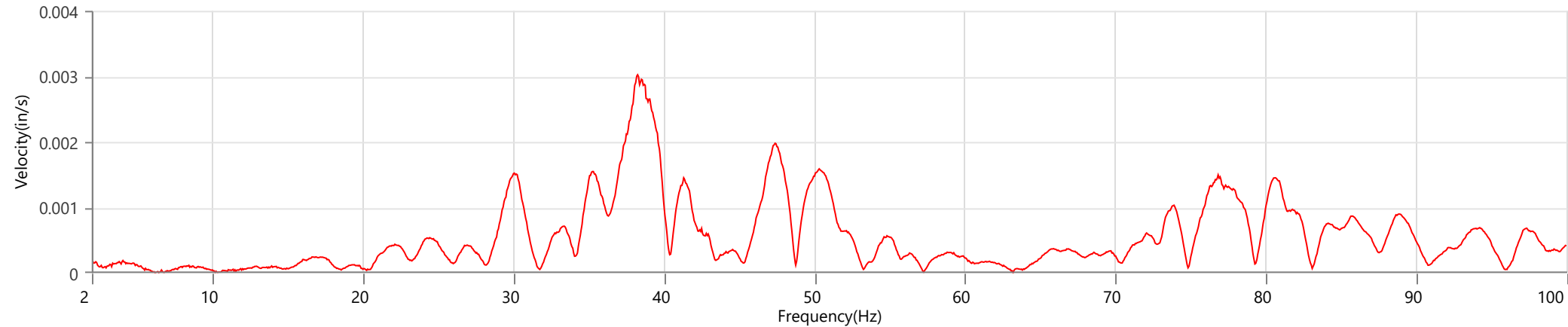
UM11400
Micromate ISEE 11.0AK
3.8 volts
May 21, 2024 by Instantel
UM11400_20241210110416.IDFW
Disabled

Notes
Location
Client
Company
General Notes

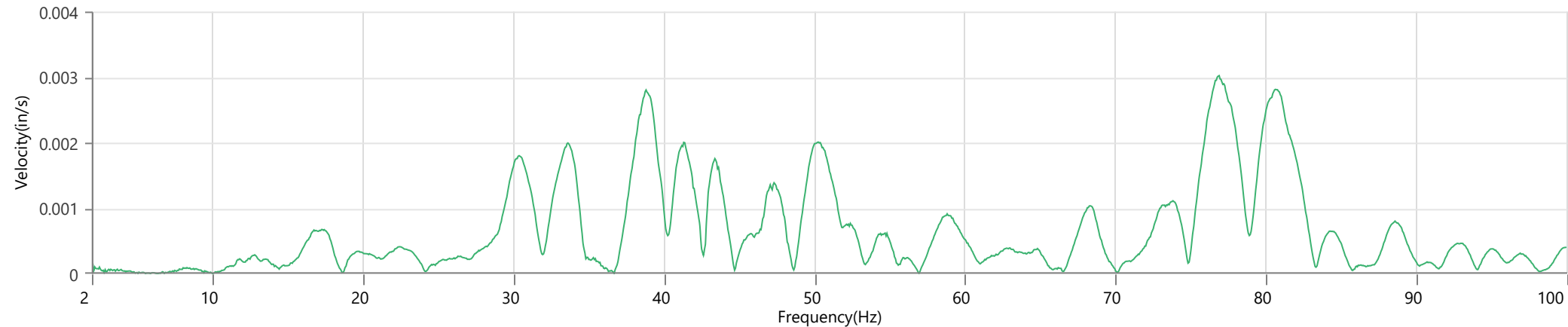
Station 6
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

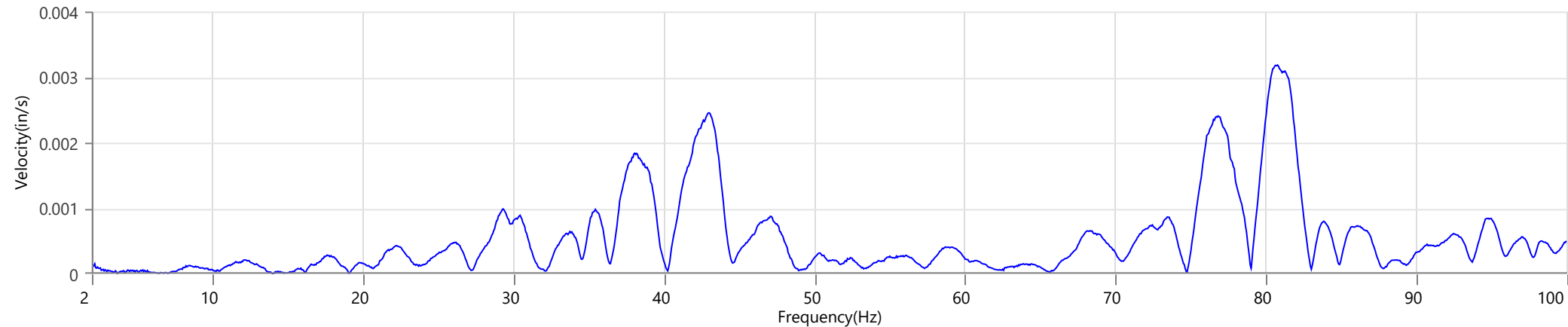
Tran - Dominant Frequency 38.2 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1521 in/s)



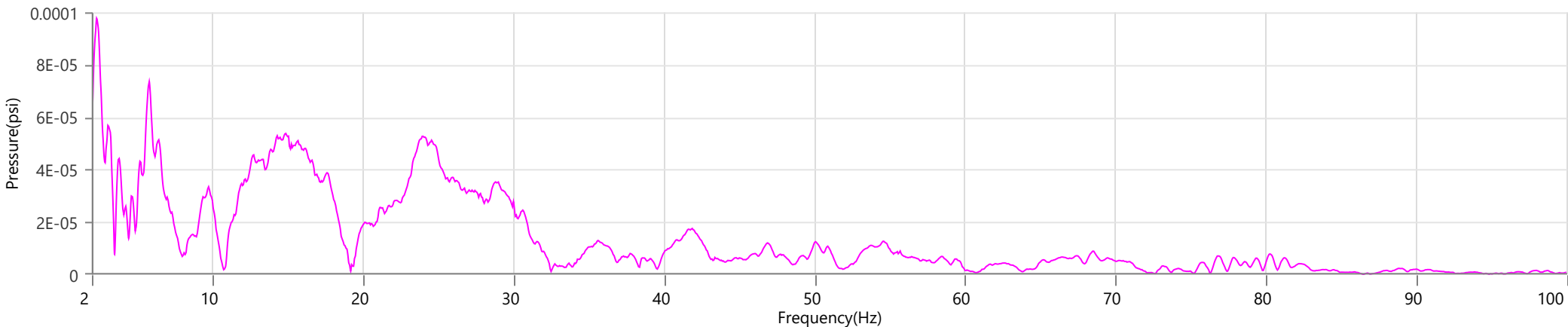
Vert - Dominant Frequency 76.9 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.2147 in/s)



Long - Dominant Frequency 80.8 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.1952 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00010 psi (Peak Sound Pressure Level: 0.005137 psi)





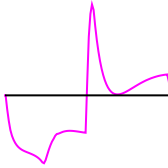
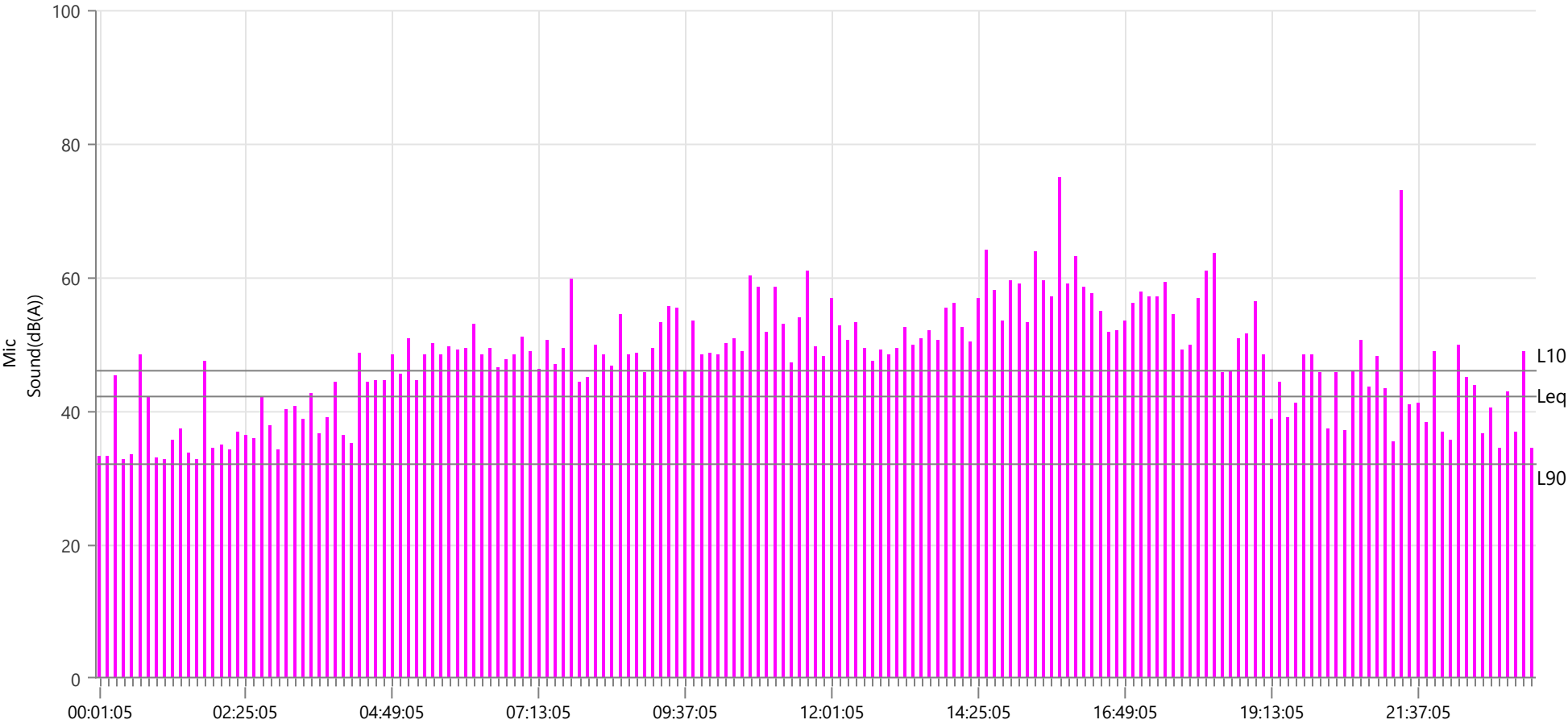
Start December 10, 2024 00:00:05
Finish December 10, 2024 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM19907
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 23, 2024 by Instantel
Microphone Calibration UA10154, March 2, 2023 by Instantel
Event File Name UM19907_20241210000005.IDFH
USB Sensor Support Disabled

Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538
Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 74.8 dB(A)
Date Dec 10, 2024
Time 15:50:05
LMin 30.9 L10 46 L90 32 Leq 42.3
Sensor Check Passed
Test Amplitude 1062 mv



Passed

Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

December 10, 2024 00:00:05

December 10, 2024 23:29:59

1409.91/60 sec

4096 sps

Spicewood Hwy 71 - Noise 3.mmb

Operator

Serial Number

Model Number

Battery Level

Unit Calibration

Microphone Calibration

Event File Name

USB Sensor Support

UM8048

Micromate ISEE 11.0AK

3.8 volts

May 21, 2024 by Instantel

UA10761, July 29, 2022 by Instantel

UM8048_20241210000005.IDFH

Disabled

Notes

Location

Client

Company

General Notes

Noise 3

Spicewood Crushed Stone

Hwy 71 Quarry

IGS, Inc.

Extended Note

Post Event Notes

N30.490958 W98.213495

No text to be displayed.

Sound Level Microphone

LMax

Date

Time

Sound(dB(A))

Sensor Check

Test Amplitude

A-Weight Slow

74.0 dB(A)

Dec 10, 2024

13:26:05

LMin

L10

L90

Leq

30.4

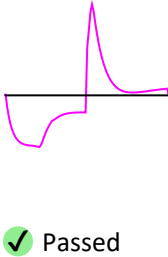
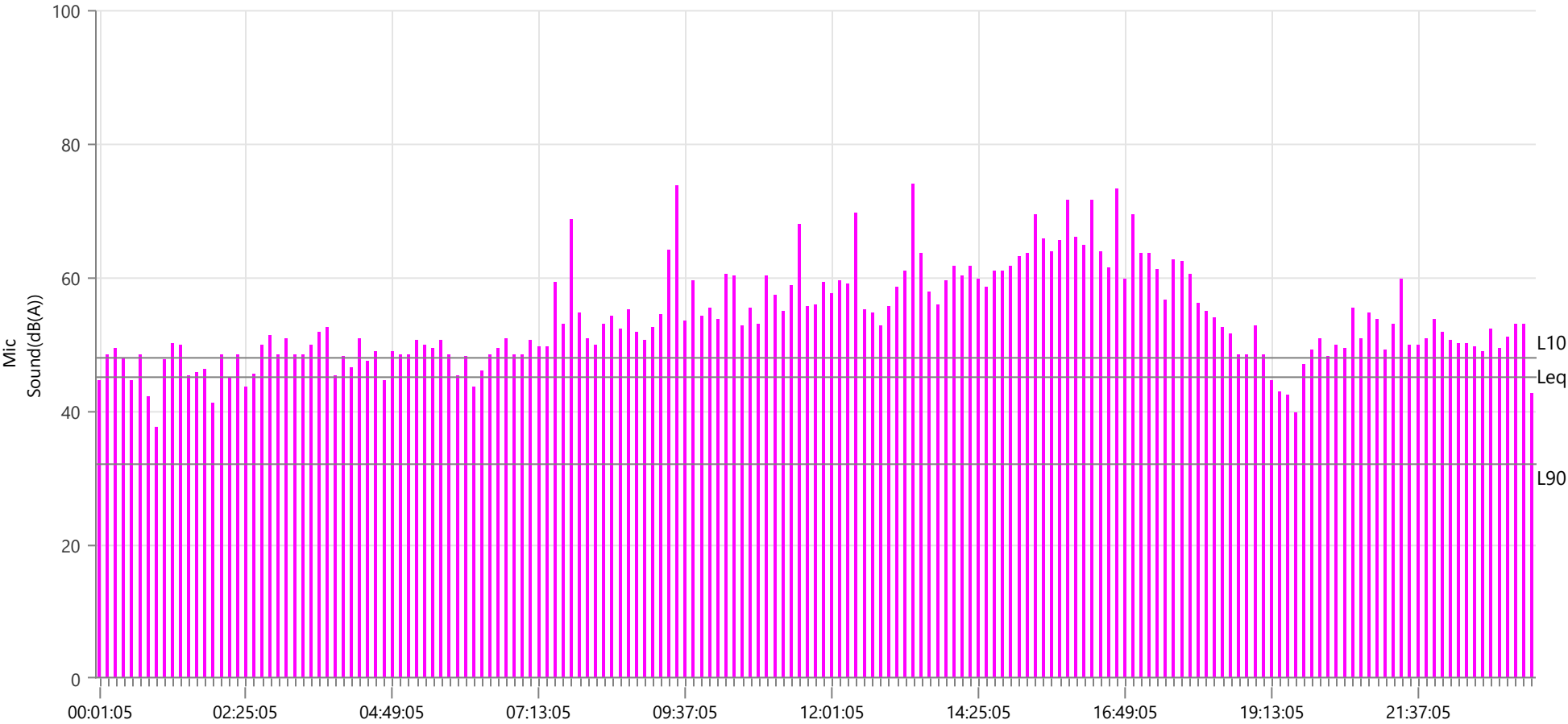
48

32

45.0

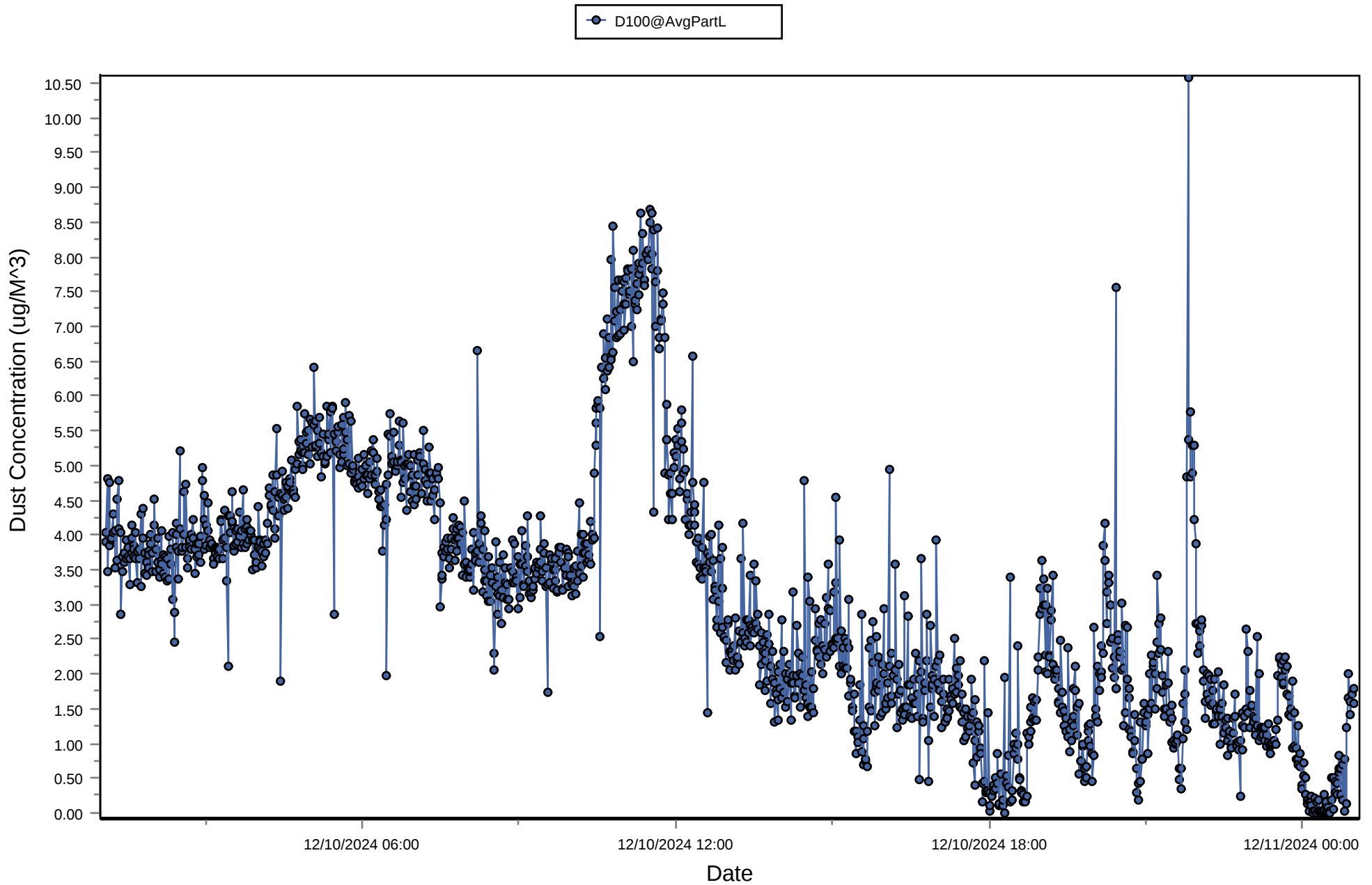
✓ Passed

1125 mv



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

