

Waveform Trigger Source Long at December 9, 2025 11:31:31
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 UM6427
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 19, 2025 by Instantel
Event File Name UM6427_20251209113131.IDFW
USB Sensor Support Disabled

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

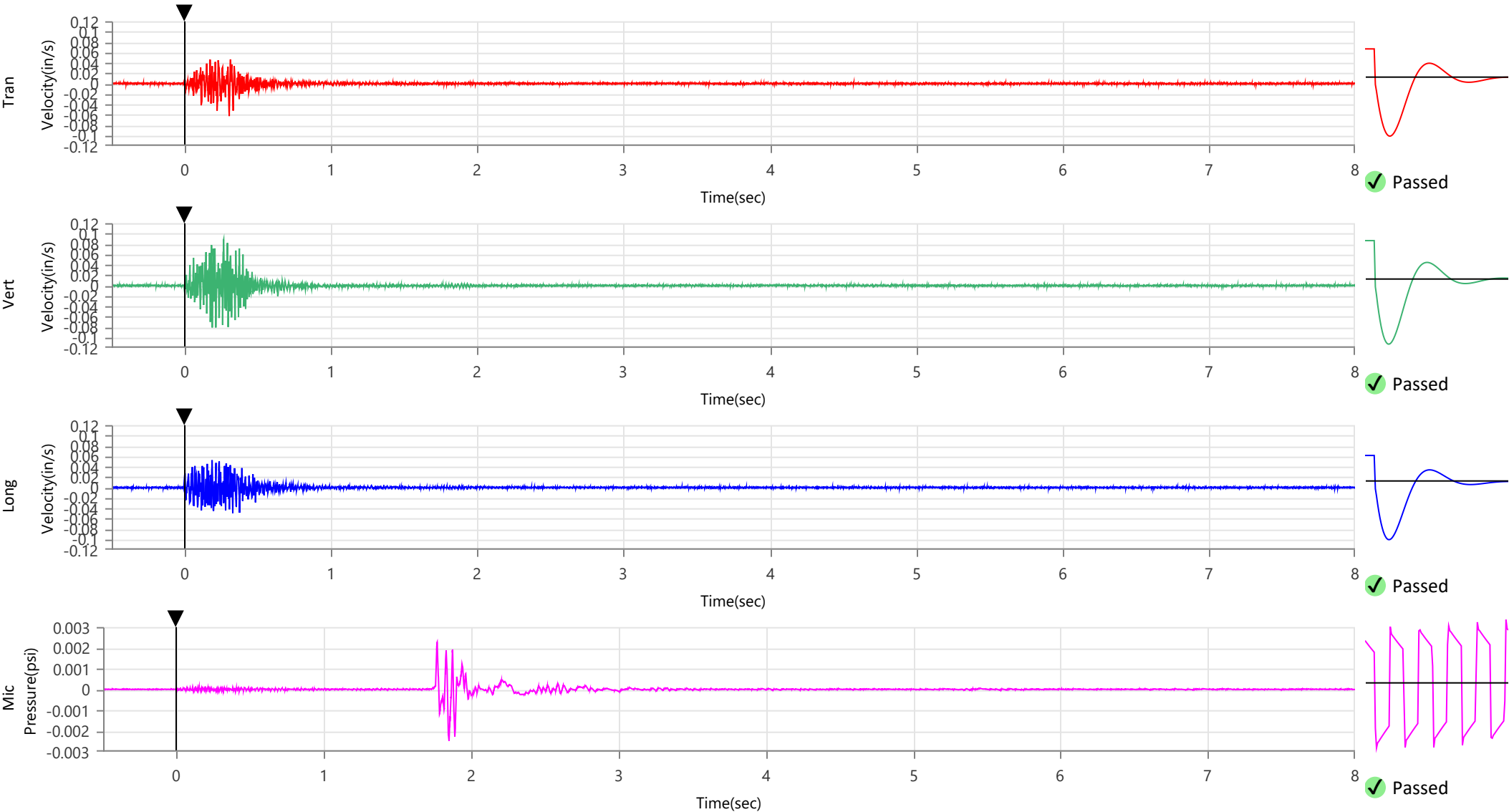
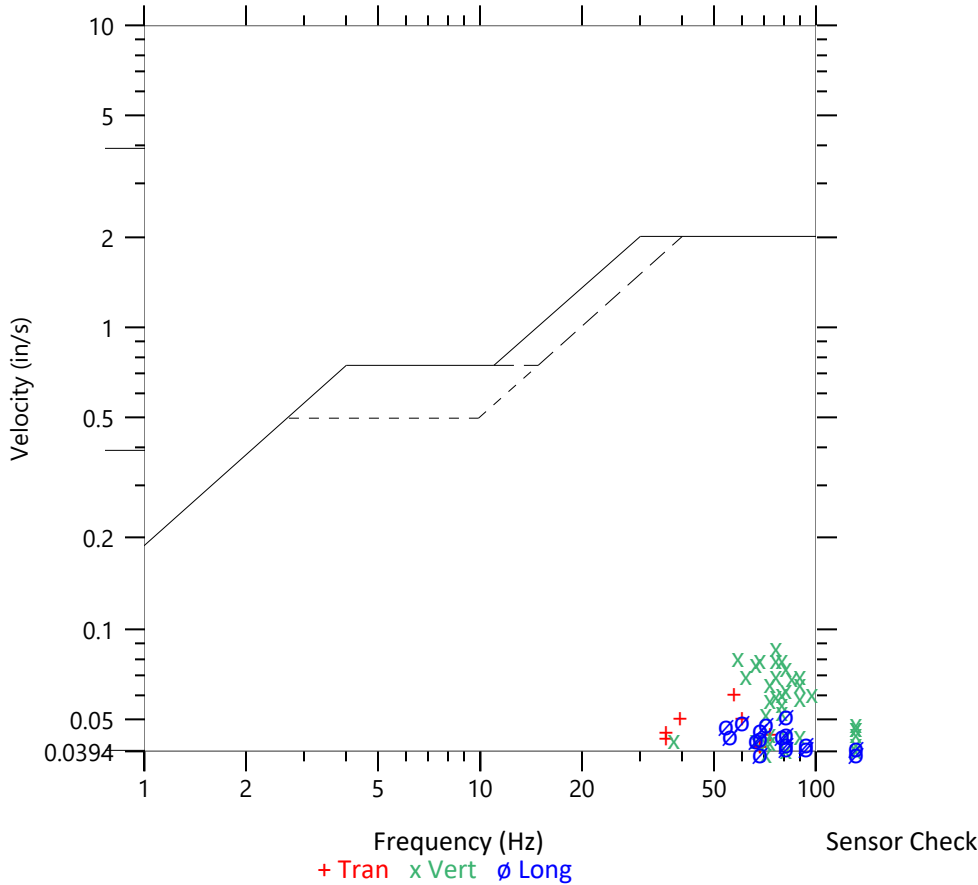
Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity Tran 0.0627 in/s Vert 0.0884 in/s Long 0.0524 in/s
Zero Crossing Frequency 56.9 Hz 75.9 Hz 81.9 Hz
Time (Relative to Trigger) 0.304 sec 0.265 sec 0.187 sec
Peak Acceleration 0.105 g 0.138 g 0.112 g
Peak Displacement 0.000 in 0.000 in 0.000 in
Sensor Check Passed Passed Passed
Frequency 7.3 Hz 7.7 Hz 7.1 Hz
Overswing Ratio 4.2 3.9 5.2

Peak Vector Sum 0.0986 in/s at 0.188 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.002480 psi
Peak Sound Pressure Level 118.6 dB(L)
Time (Relative to Trigger) 1.849 sec
Zero Crossing Frequency 17.8 Hz
Sensor Check Passed
Frequency 20.5 Hz
Test Amplitude 1635 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



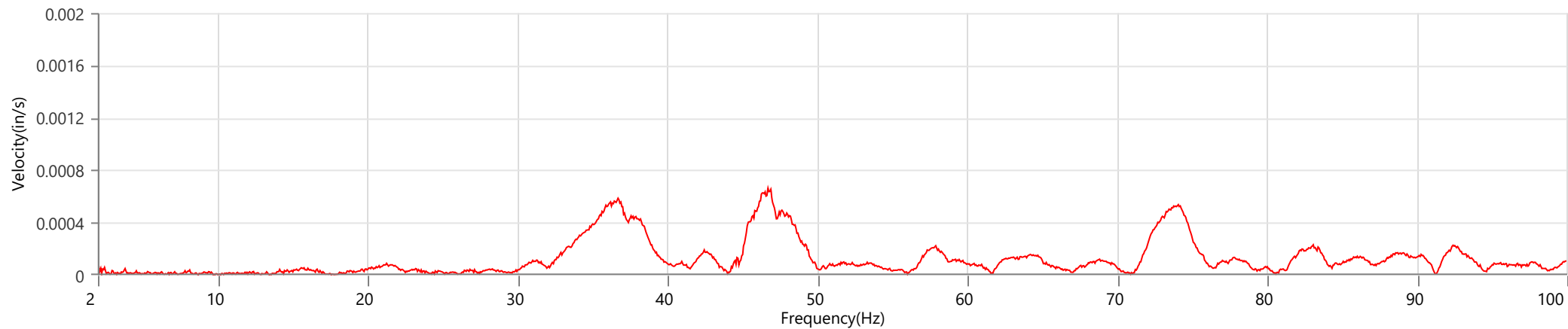
Waveform Trigger Source Long at December 9, 2025 11:31:31
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

Serial Number UM6427
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 19, 2025 by Instantel
Event File Name UM6427_20251209113131.IDFW
USB Sensor Support Disabled

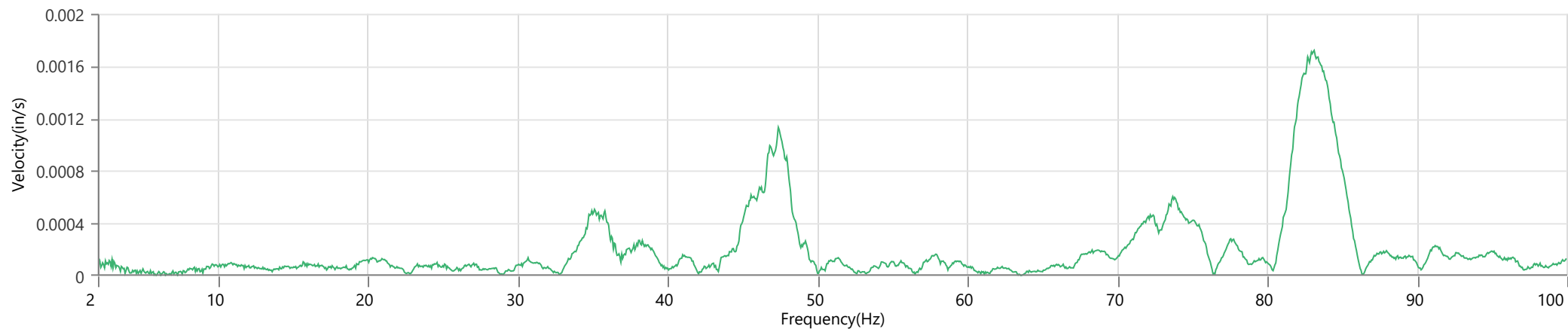
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

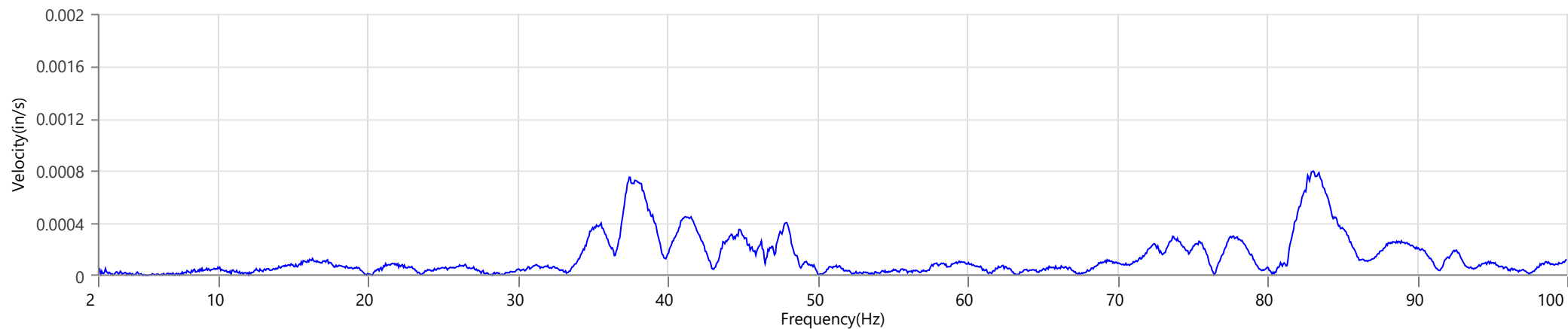
Tran - Dominant Frequency 46.7 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0627 in/s)



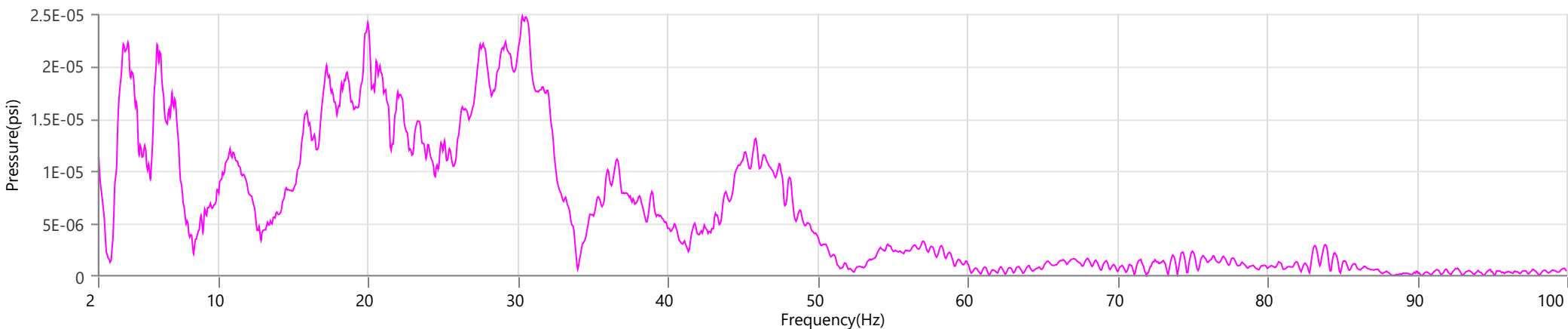
Vert - Dominant Frequency 83.1 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.0884 in/s)



Long - Dominant Frequency 83.1 Hz, Amplitude 0.0008 in/s (Peak Particle Velocity: 0.0524 in/s)



Mic - Dominant Frequency 30.3 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.002480 psi)



Waveform Trigger Source Long at December 9, 2025 11:31:30
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 3.mmb
Operator Operator

Serial Number UM20529
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration February 14, 2025 by Instantel
Event File Name UM20529_20251209113130.IDFW
USB Sensor Support Disabled

Notes
Location Station 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

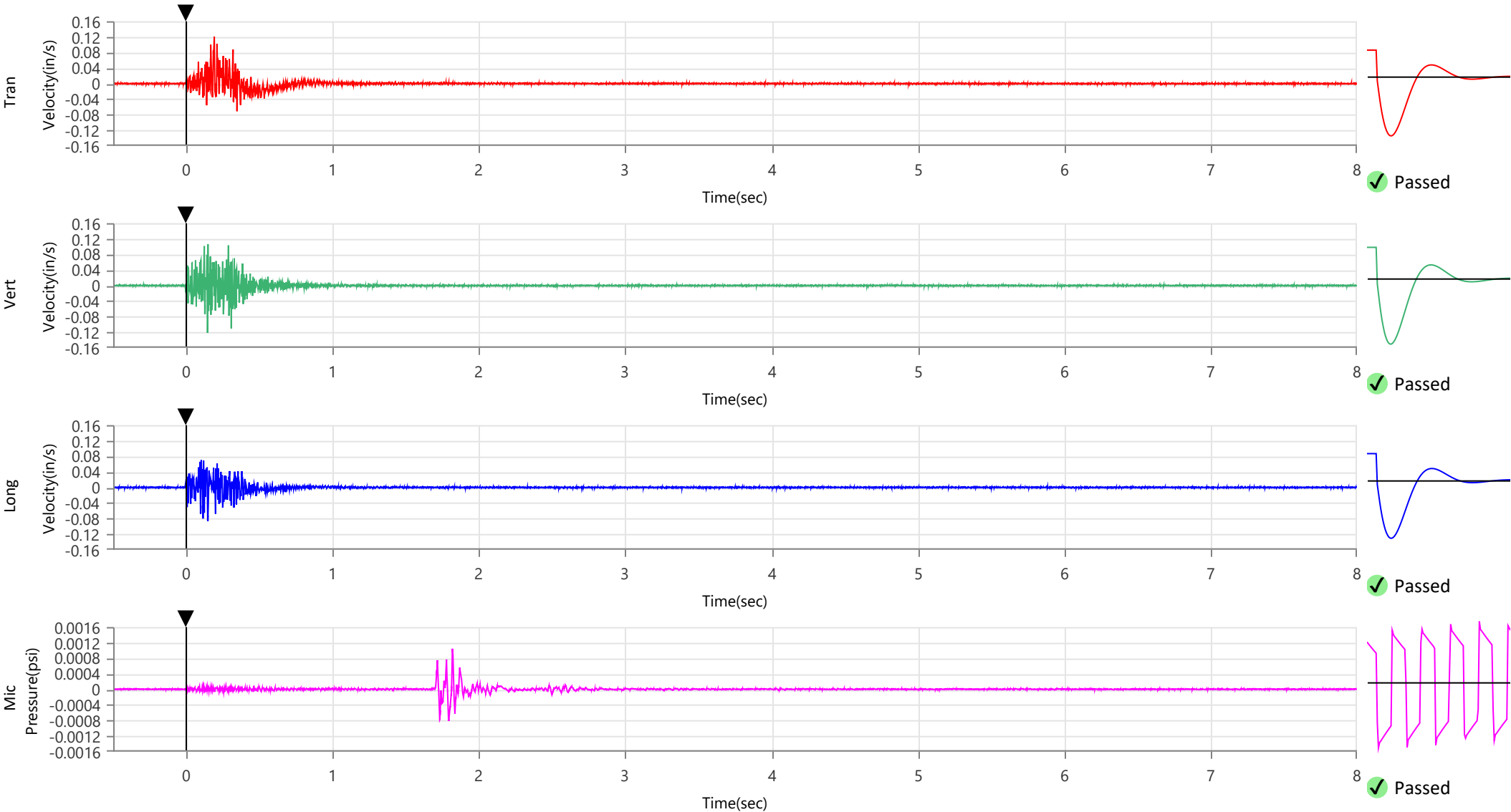
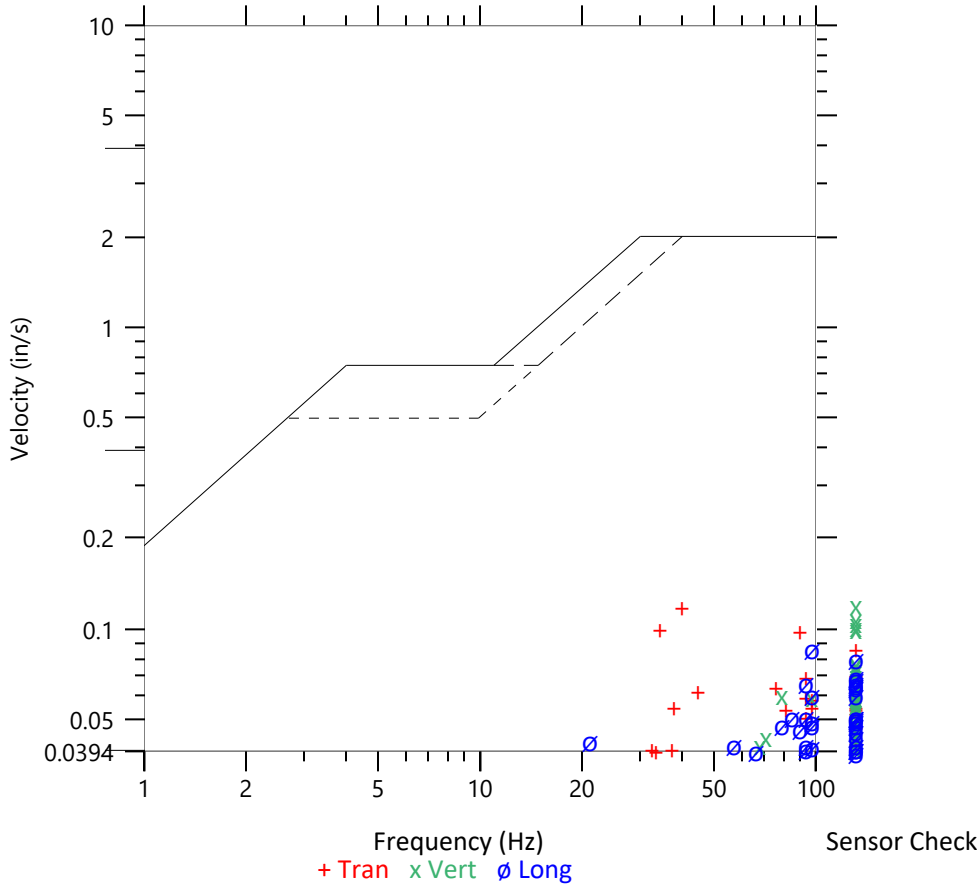
Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1204 in/s	0.1216 in/s	0.0866 in/s
Zero Crossing Frequency	40.2 Hz	>100 Hz	97.5 Hz
Time (Relative to Trigger)	0.192 sec	0.145 sec	0.147 sec
Peak Acceleration	0.168 g	0.290 g	0.171 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.8	4.6	4.6

Peak Vector Sum 0.1273 in/s at 0.145 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.001044 psi
Peak Sound Pressure Level 111.1 dB(L)
Time (Relative to Trigger) 1.819 sec
Zero Crossing Frequency 30.1 Hz
Sensor Check ✓ Passed
Frequency 19.7 Hz
Test Amplitude 1616 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



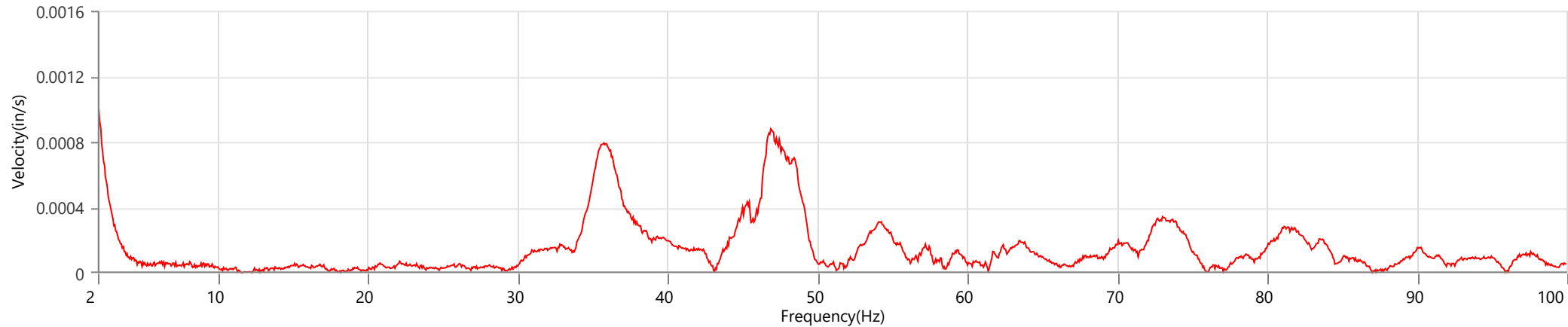
Waveform Trigger Source Long at December 9, 2025 11:31:30
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 3.mmb
Operator Operator

Serial Number UM20529
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration February 14, 2025 by Instantel
Event File Name UM20529_20251209113130.IDFW
USB Sensor Support Disabled

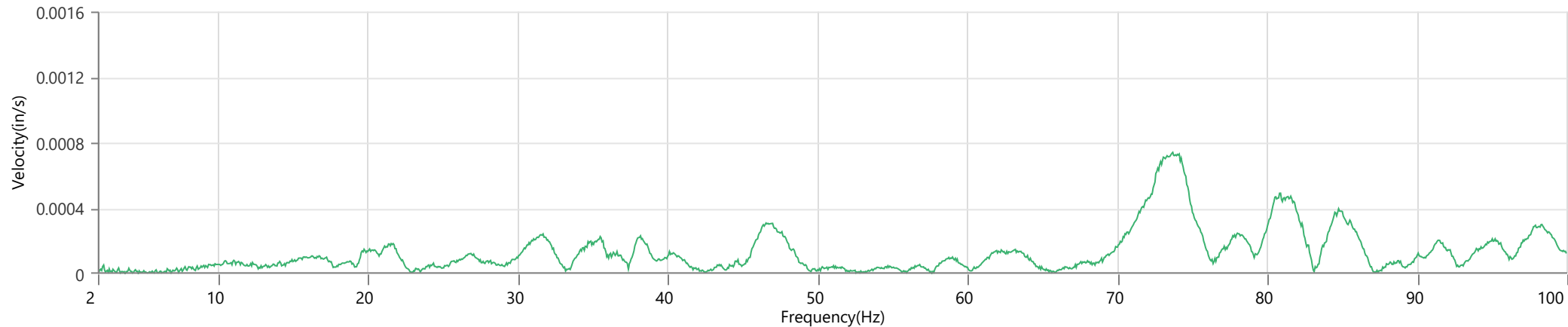
Notes
Location Station 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

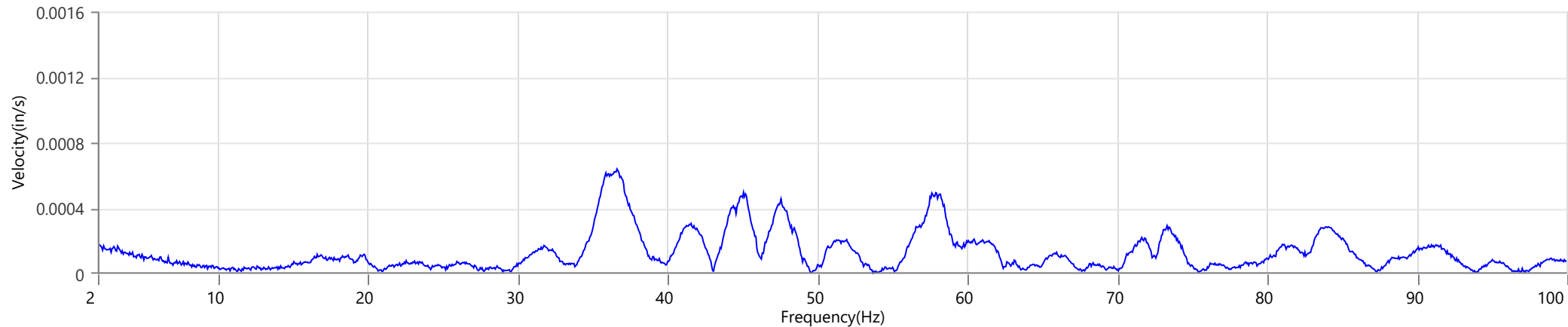
Tran - Dominant Frequency 2.0 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.1204 in/s)



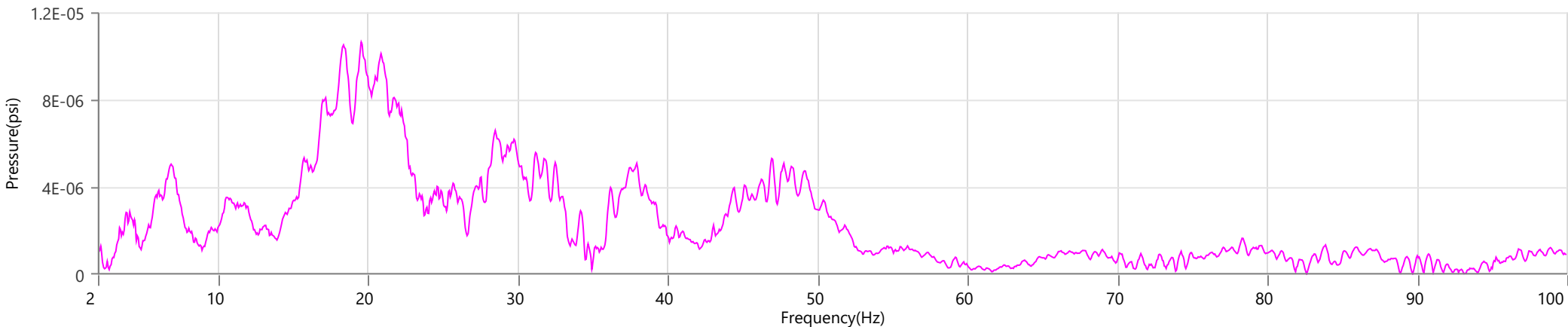
Vert - Dominant Frequency 73.7 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.1216 in/s)



Long - Dominant Frequency 36.6 Hz, Amplitude 0.0006 in/s (Peak Particle Velocity: 0.0866 in/s)



Mic - Dominant Frequency 19.6 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.001044 psi)



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

Vert at December 9, 2025 11:31:30
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

UM22233
Micromate ISEE 11.0AK
3.8 volts
February 20, 2025 by Instantel
UM22233_20251209113130.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
Peak Particle Velocity
Zero Crossing Frequency
Time (Relative to Trigger)
Peak Acceleration
Peak Displacement
Sensor Check
Frequency
Overswing Ratio

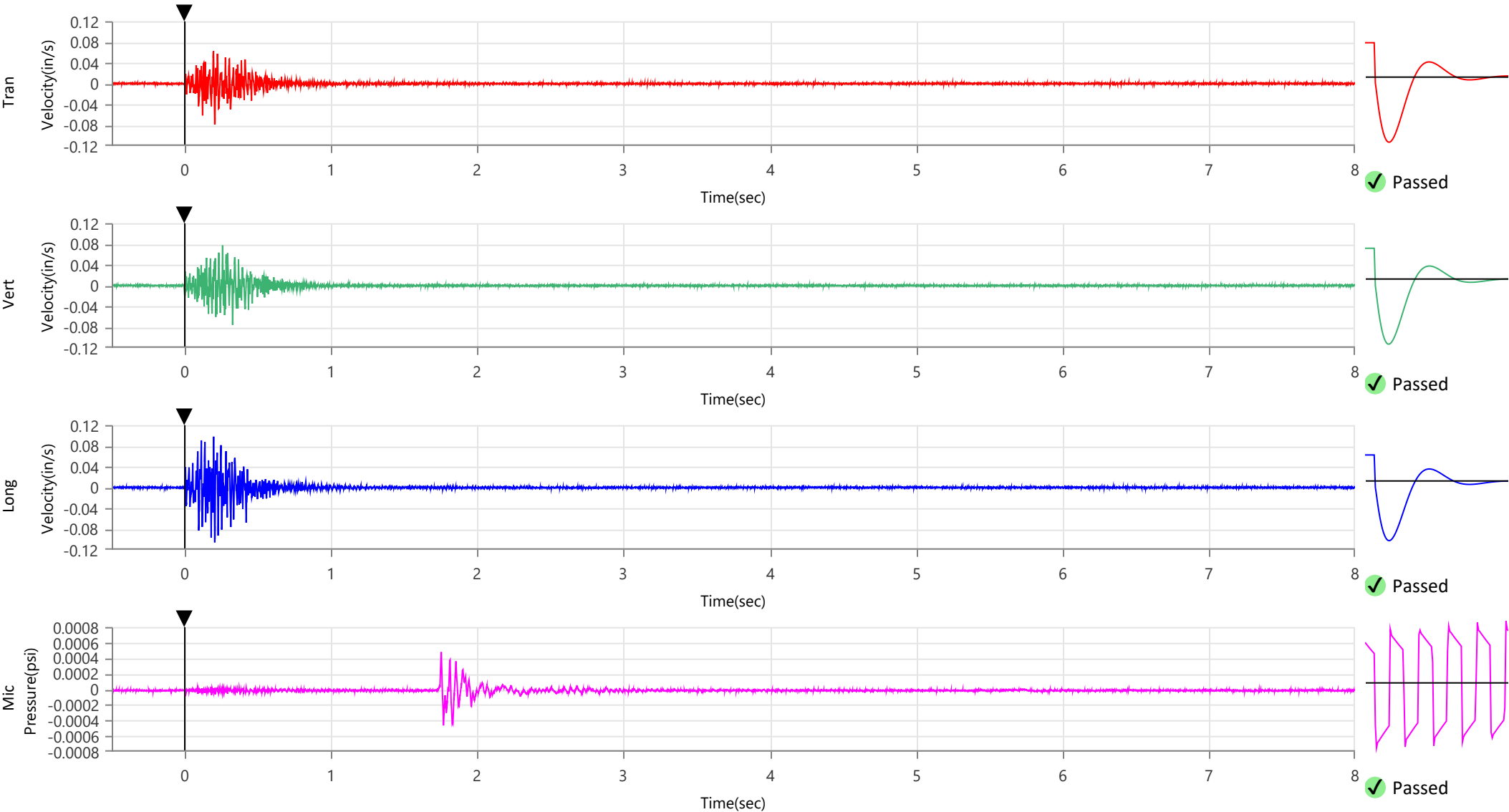
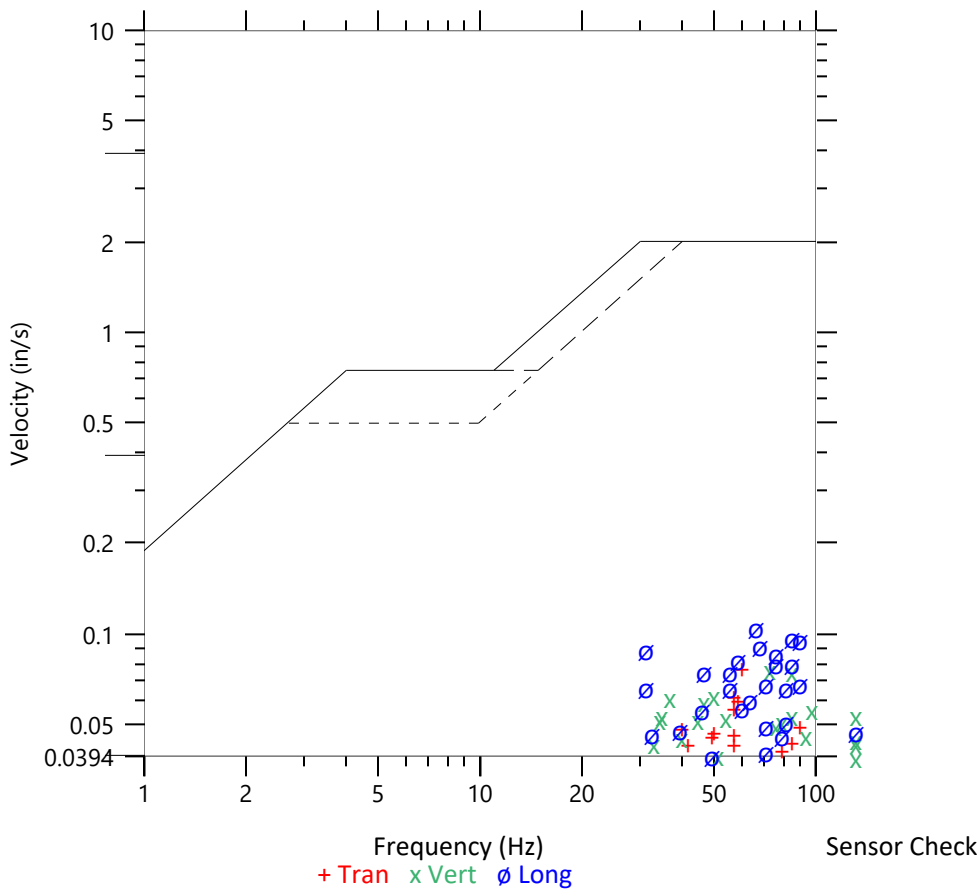
Tran	Vert	Long
0.0788 in/s	0.0773 in/s	0.1058 in/s
60.2 Hz	73.1 Hz	66.1 Hz
0.204 sec	0.258 sec	0.205 sec
0.102 g	0.115 g	0.138 g
0.000 in	0.000 in	0.000 in
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.3 Hz
4.2	5.0	4.9

Peak Vector Sum 0.1367 in/s at 0.204 sec

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

0.000477 psi
104.3 dB(L)
1.753 sec
18.1 Hz
✓ Passed
20.5 Hz
1647 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



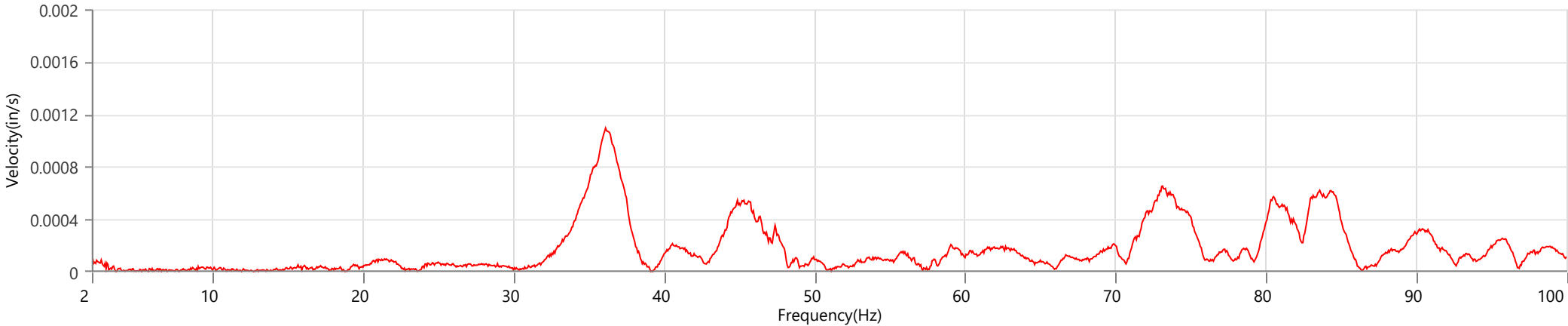
Waveform Trigger Source Vert at December 9, 2025 11:31:30
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 4.mmb
Operator Operator

Serial Number UM22233
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration February 20, 2025 by Instantel
Event File Name UM22233_20251209113130.IDFW
USB Sensor Support Disabled

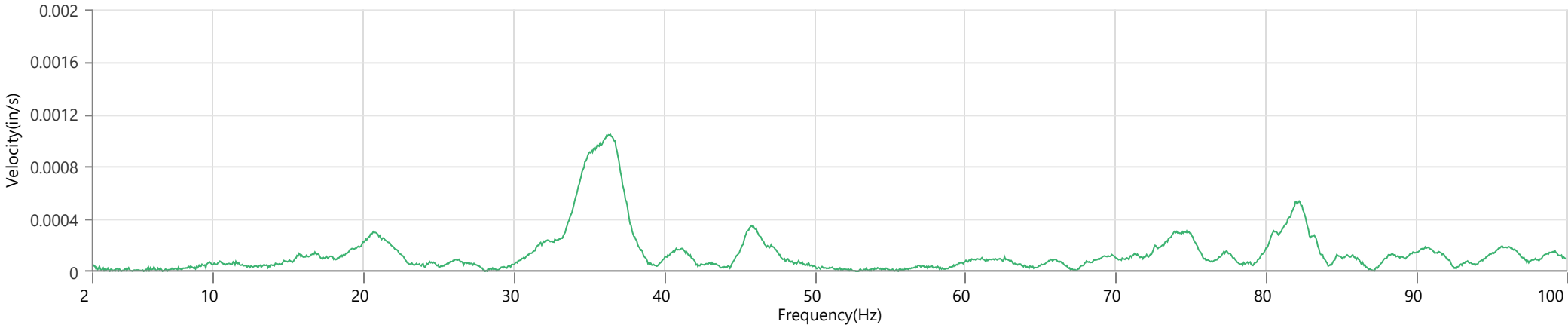
Notes
Location Station 4
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

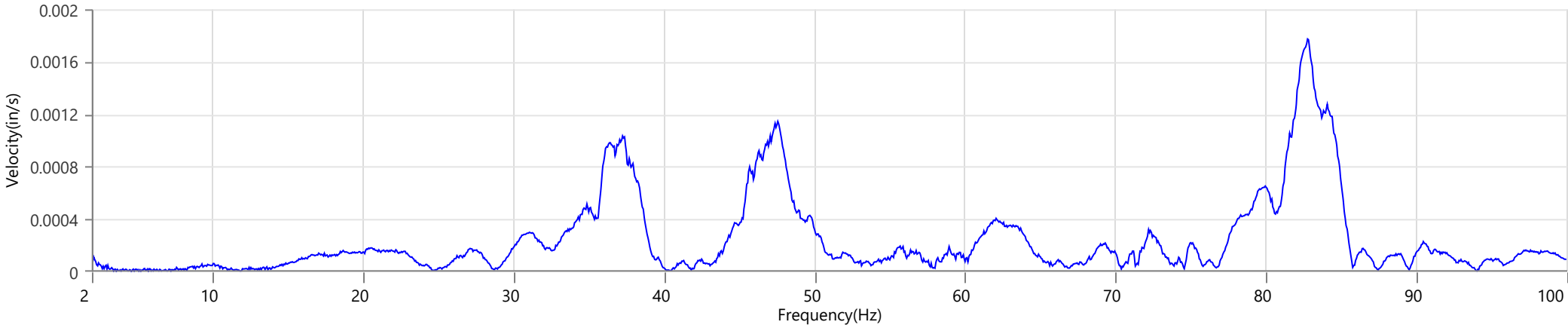
Tran - Dominant Frequency 36.1 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0788 in/s)



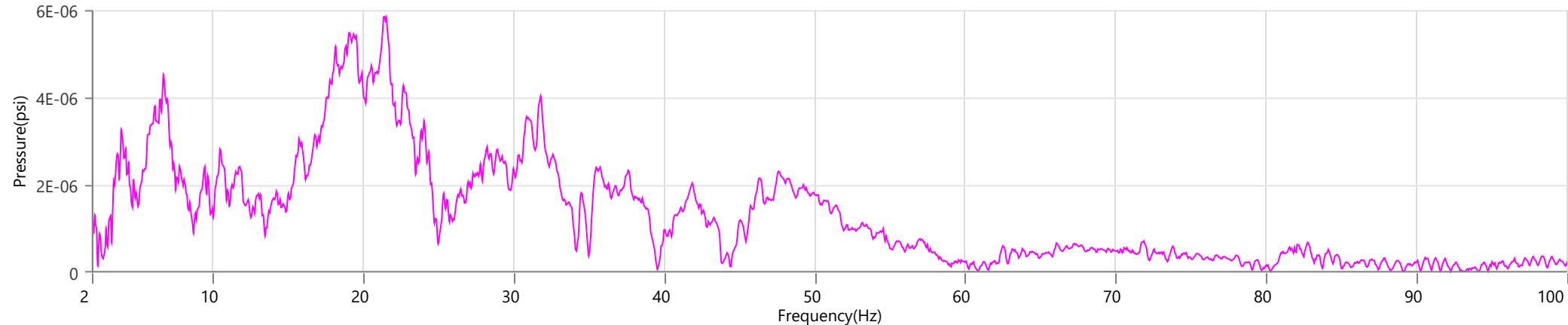
Vert - Dominant Frequency 36.4 Hz, Amplitude 0.0010 in/s (Peak Particle Velocity: 0.0773 in/s)



Long - Dominant Frequency 82.8 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.1058 in/s)



Mic - Dominant Frequency 21.4 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000477 psi)



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

Tran at December 9, 2025 11:31:30
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

UM9228
Micromate ISEE 11.0AK
3.8 volts
April 24, 2025 by Instantel
UM9228_20251209113130.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
0.1244 in/s
97.5 Hz
0.140 sec
0.230 g
0.000 in
✓ Passed
7.3 Hz
3.6

Vert
0.0884 in/s
60.2 Hz
0.355 sec
0.155 g
0.000 in
✓ Passed
7.7 Hz
3.7

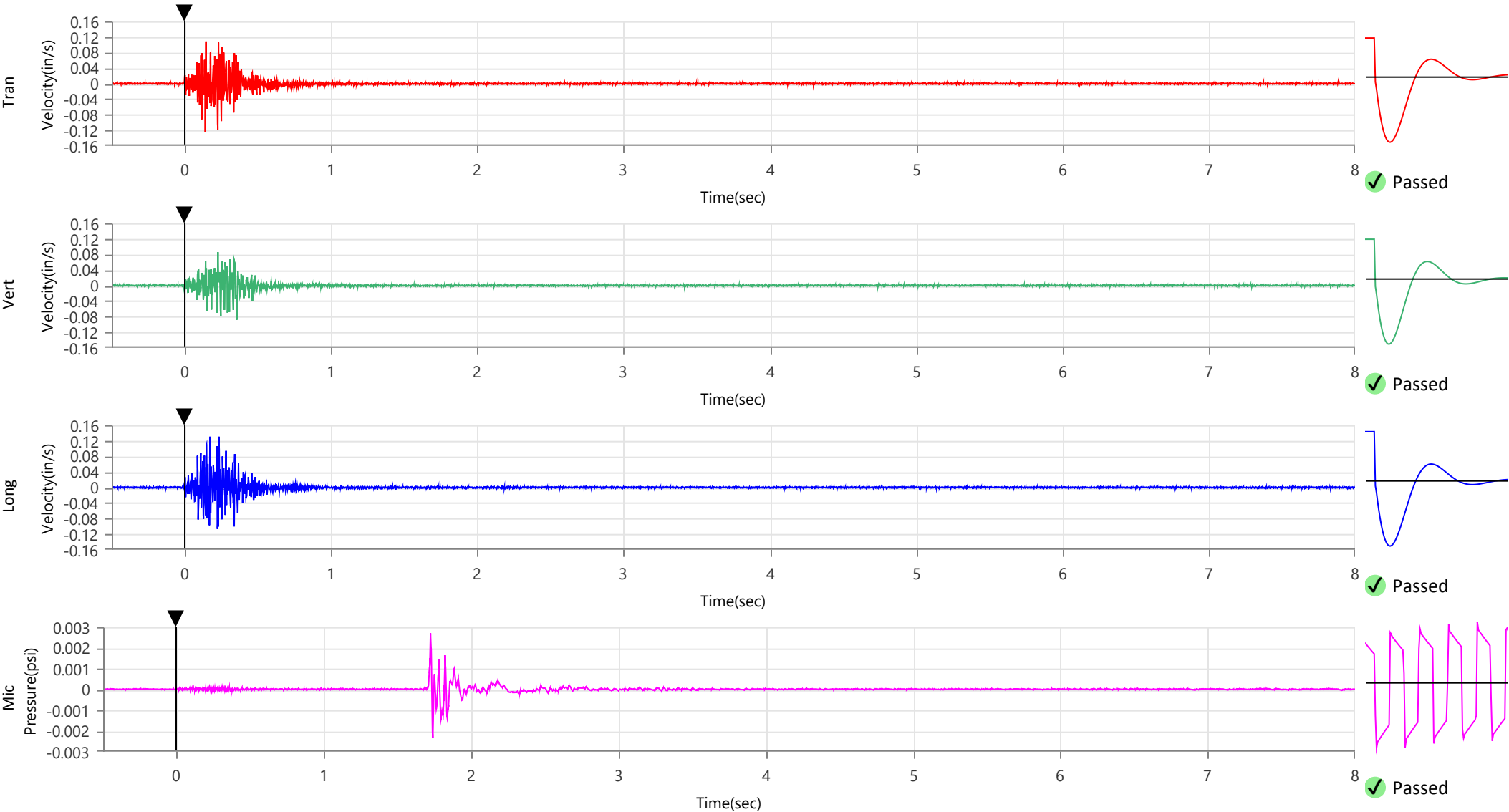
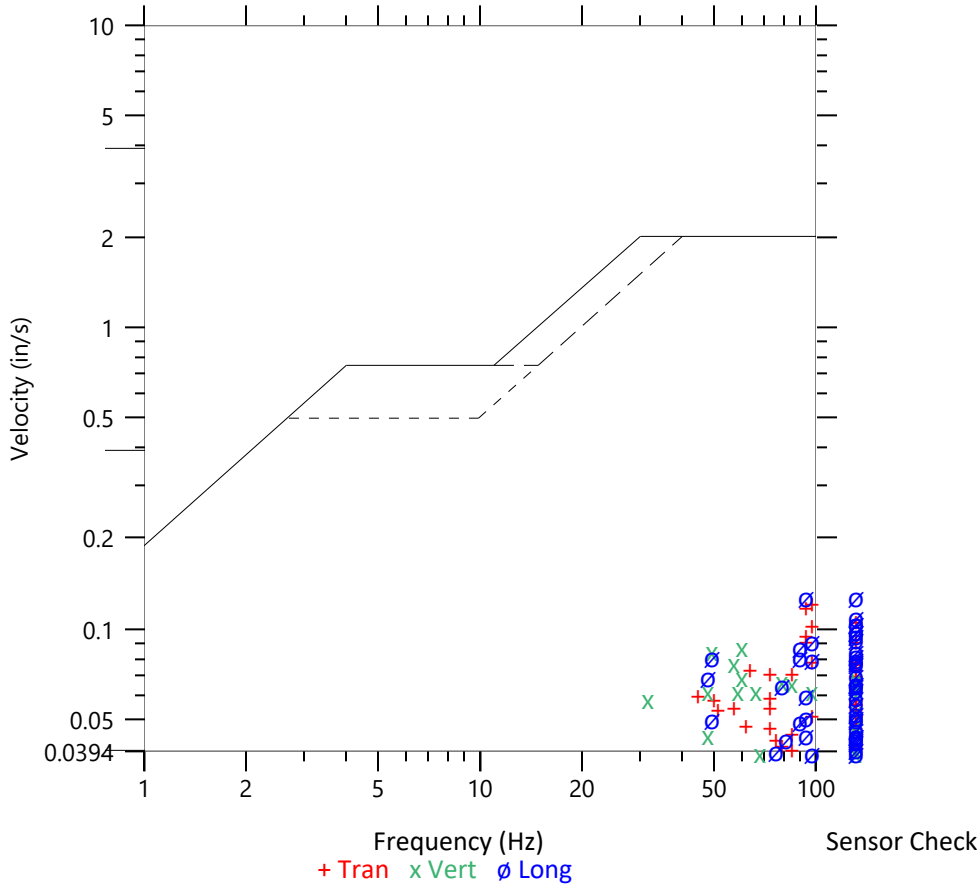
Long
0.1303 in/s
>100 Hz
0.172 sec
0.257 g
0.000 in
✓ Passed
7.1 Hz
3.8

Peak Vector Sum
0.1459 in/s at 0.230 sec

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

0.002703 psi
119.4 dB(L)
1.724 sec
8.9 Hz
✓ Passed
19.7 Hz
1617 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



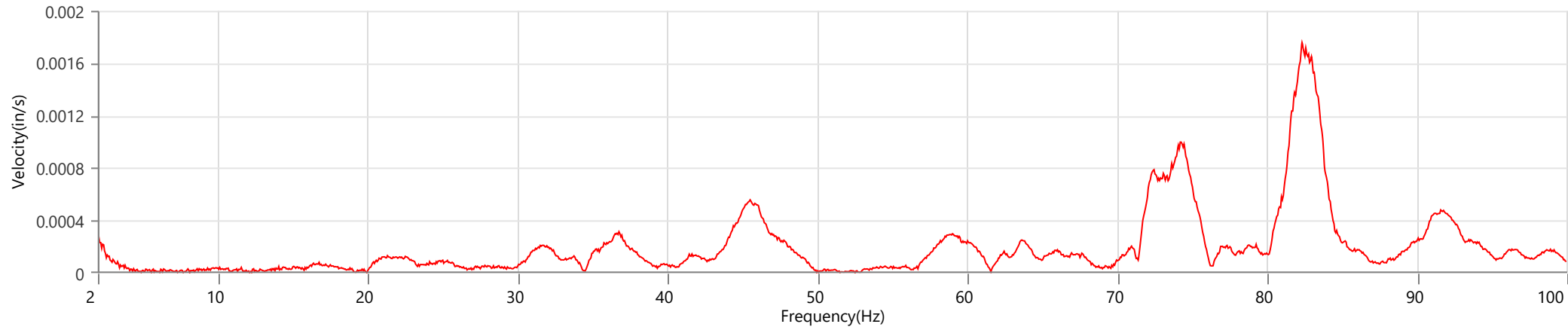
Waveform Trigger Source Tran at December 9, 2025 11:31:30
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

Serial Number UM9228
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration April 24, 2025 by Instantel
Event File Name UM9228_20251209113130.IDFW
USB Sensor Support Disabled

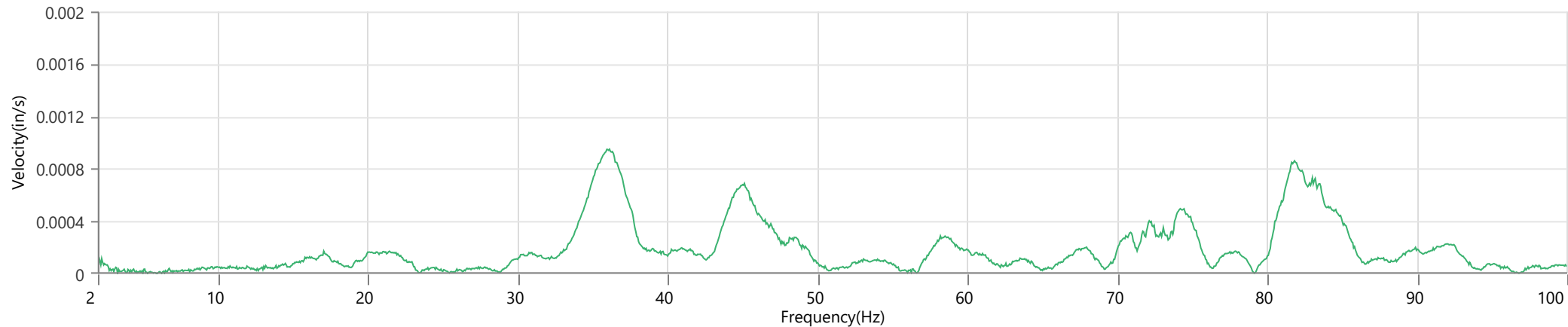
Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

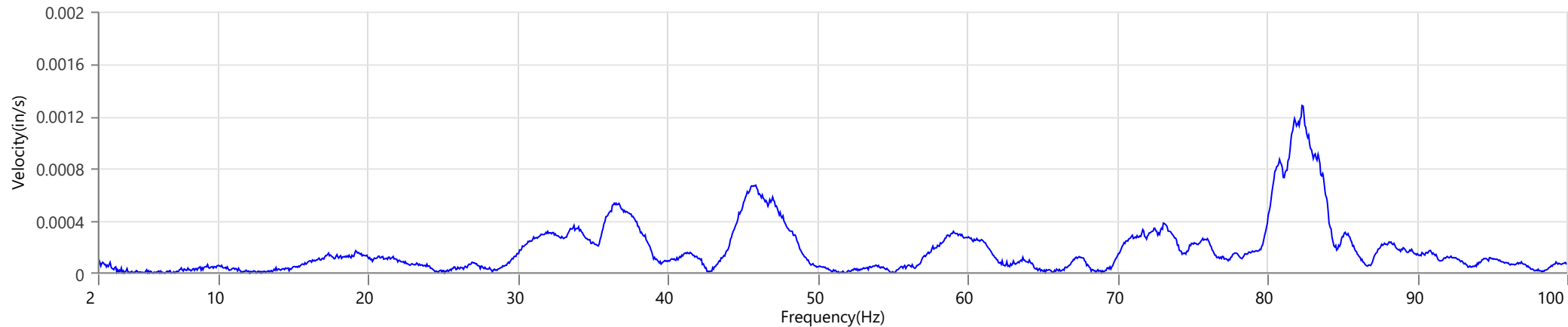
Tran - Dominant Frequency 82.3 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.1244 in/s)



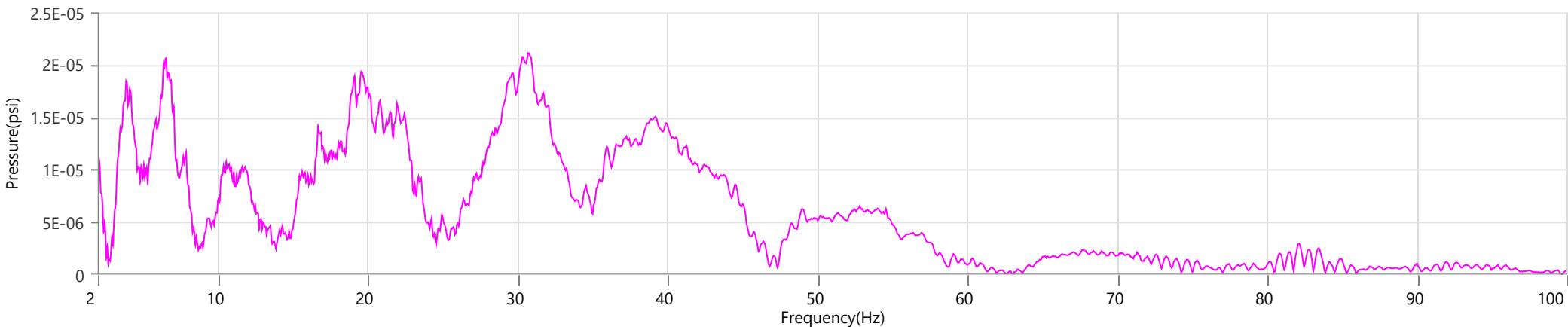
Vert - Dominant Frequency 36.1 Hz, Amplitude 0.0010 in/s (Peak Particle Velocity: 0.0884 in/s)



Long - Dominant Frequency 82.3 Hz, Amplitude 0.0013 in/s (Peak Particle Velocity: 0.1303 in/s)



Mic - Dominant Frequency 30.7 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.002703 psi)



Waveform Trigger Source Long at December 9, 2025 11:31:31
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 6.mmb
Operator Operator

Serial Number UM6470
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 1, 2025 by Instantel
Event File Name UM6470_20251209113131.IDFW
USB Sensor Support Disabled

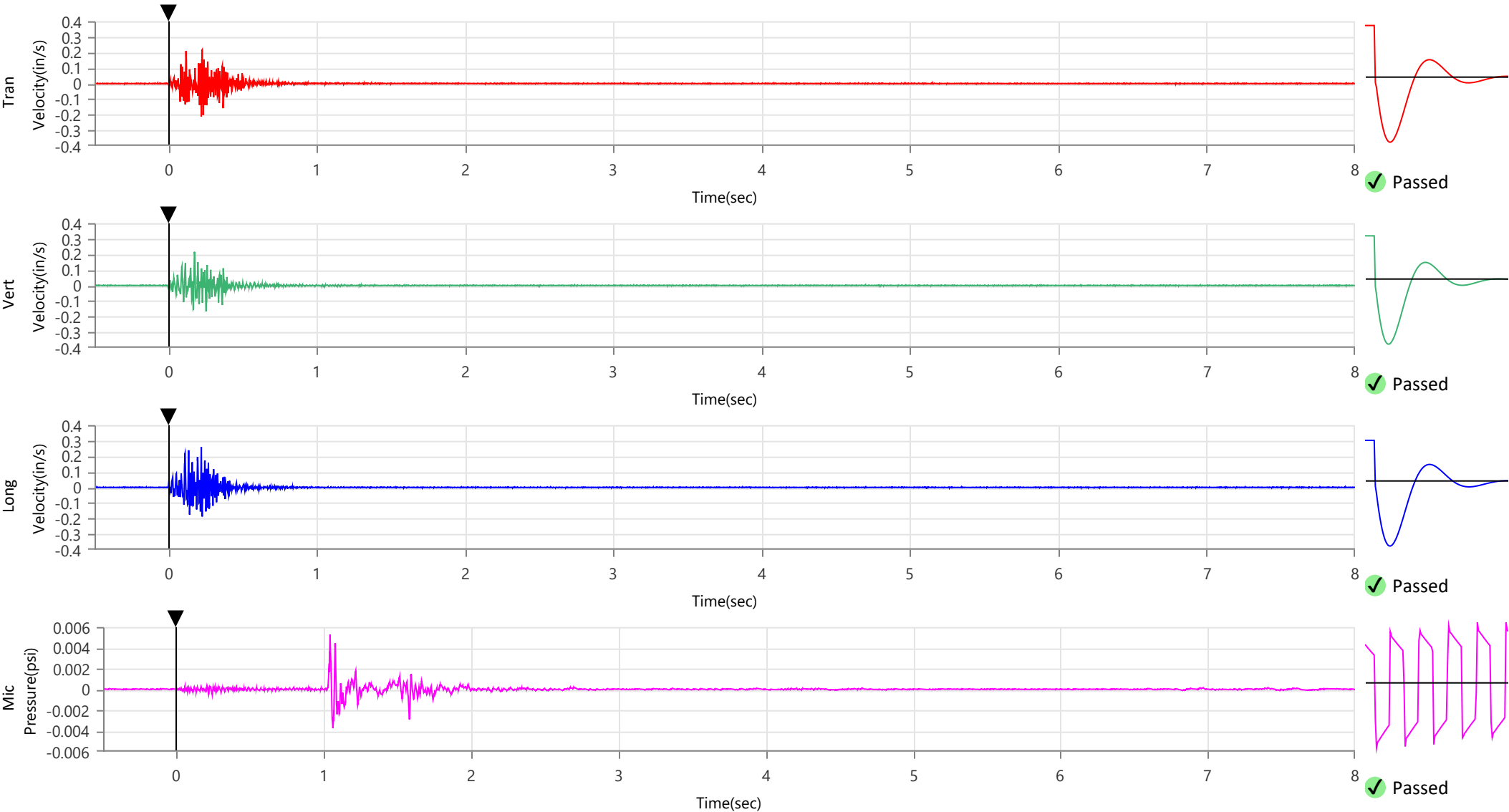
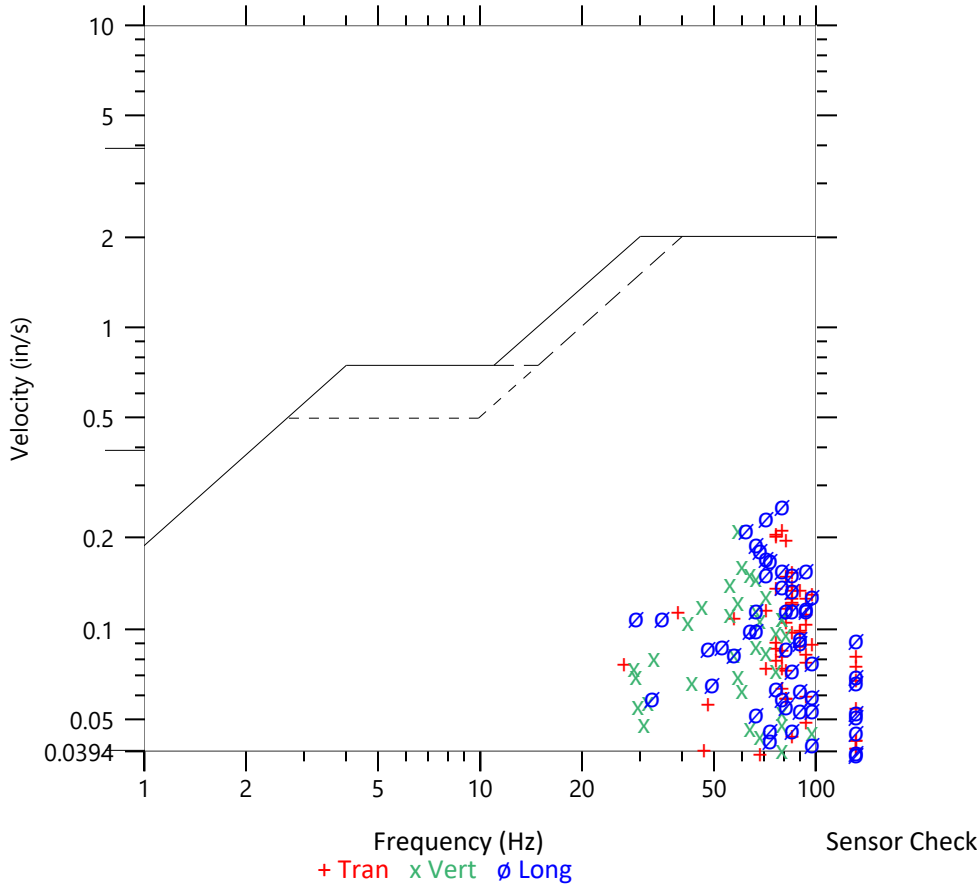
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.2169 in/s	0.2163 in/s	0.2603 in/s
Zero Crossing Frequency	78.8 Hz	58.5 Hz	78.8 Hz
Time (Relative to Trigger)	0.226 sec	0.175 sec	0.220 sec
Peak Acceleration	0.293 g	0.207 g	0.306 g
Peak Displacement	0.000 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.9 Hz	7.3 Hz
Overswing Ratio	3.7	3.9	3.9
Peak Vector Sum	0.3454 in/s at 0.220 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.005281 psi
Peak Sound Pressure Level 125.2 dB(L)
Time (Relative to Trigger) 1.041 sec
Zero Crossing Frequency 15.6 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1605 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



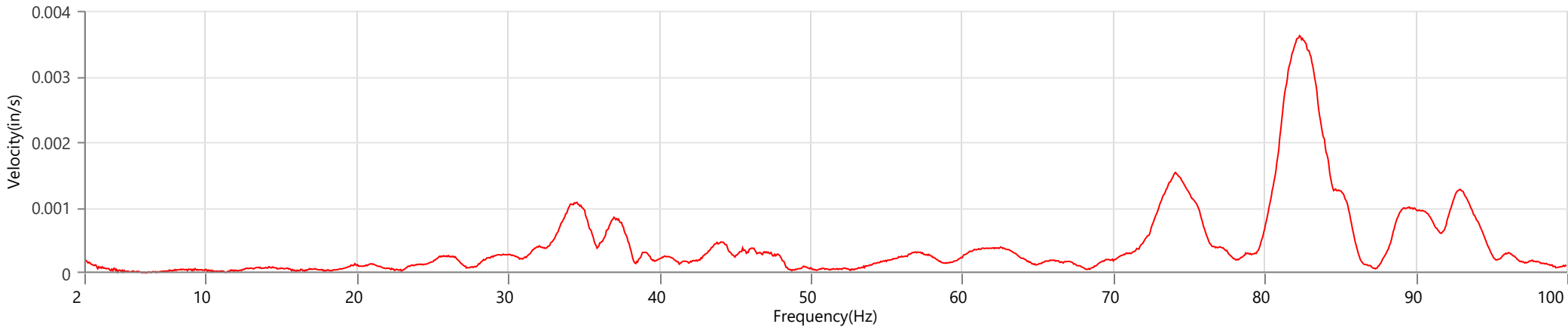
Waveform Trigger Source Long at December 9, 2025 11:31:31
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

Serial Number UM6470
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 1, 2025 by Instantel
Event File Name UM6470_20251209113131.IDFW
USB Sensor Support Disabled

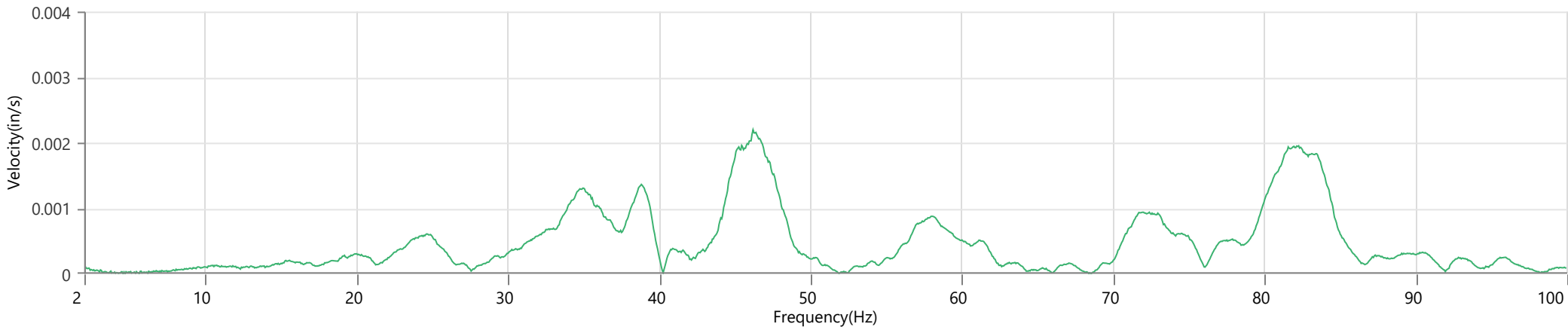
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

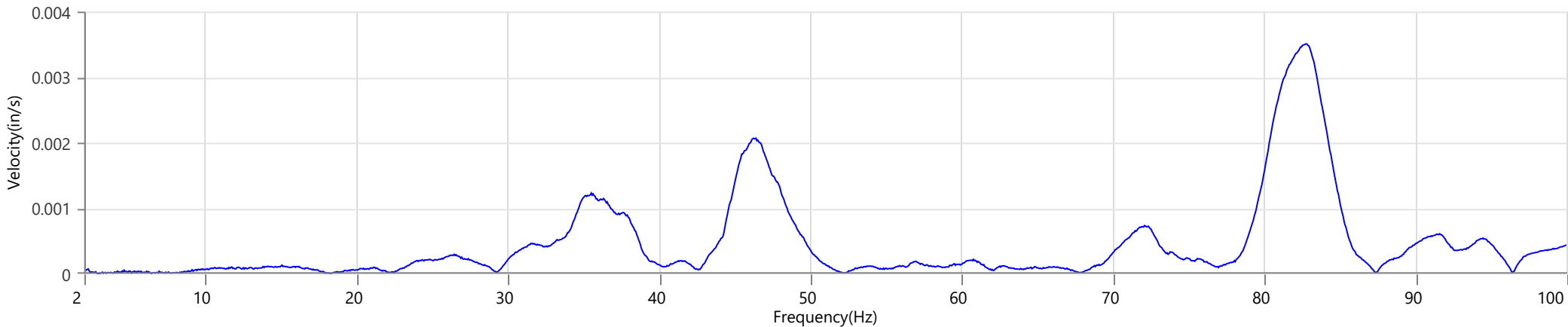
Tran - Dominant Frequency 82.3 Hz, Amplitude 0.0036 in/s (Peak Particle Velocity: 0.2169 in/s)



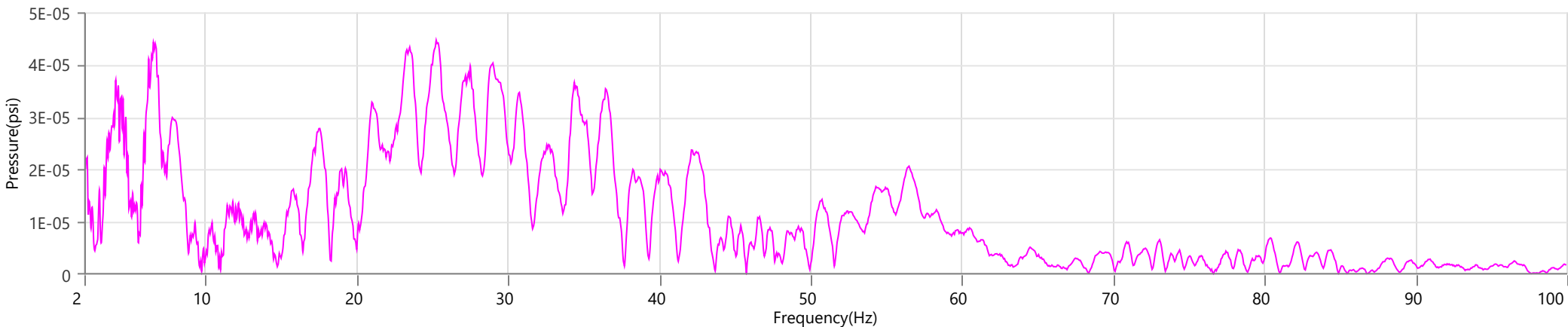
Vert - Dominant Frequency 46.2 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.2163 in/s)



Long - Dominant Frequency 82.8 Hz, Amplitude 0.0035 in/s (Peak Particle Velocity: 0.2603 in/s)



Mic - Dominant Frequency 25.2 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.005281 psi)





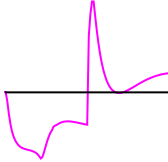
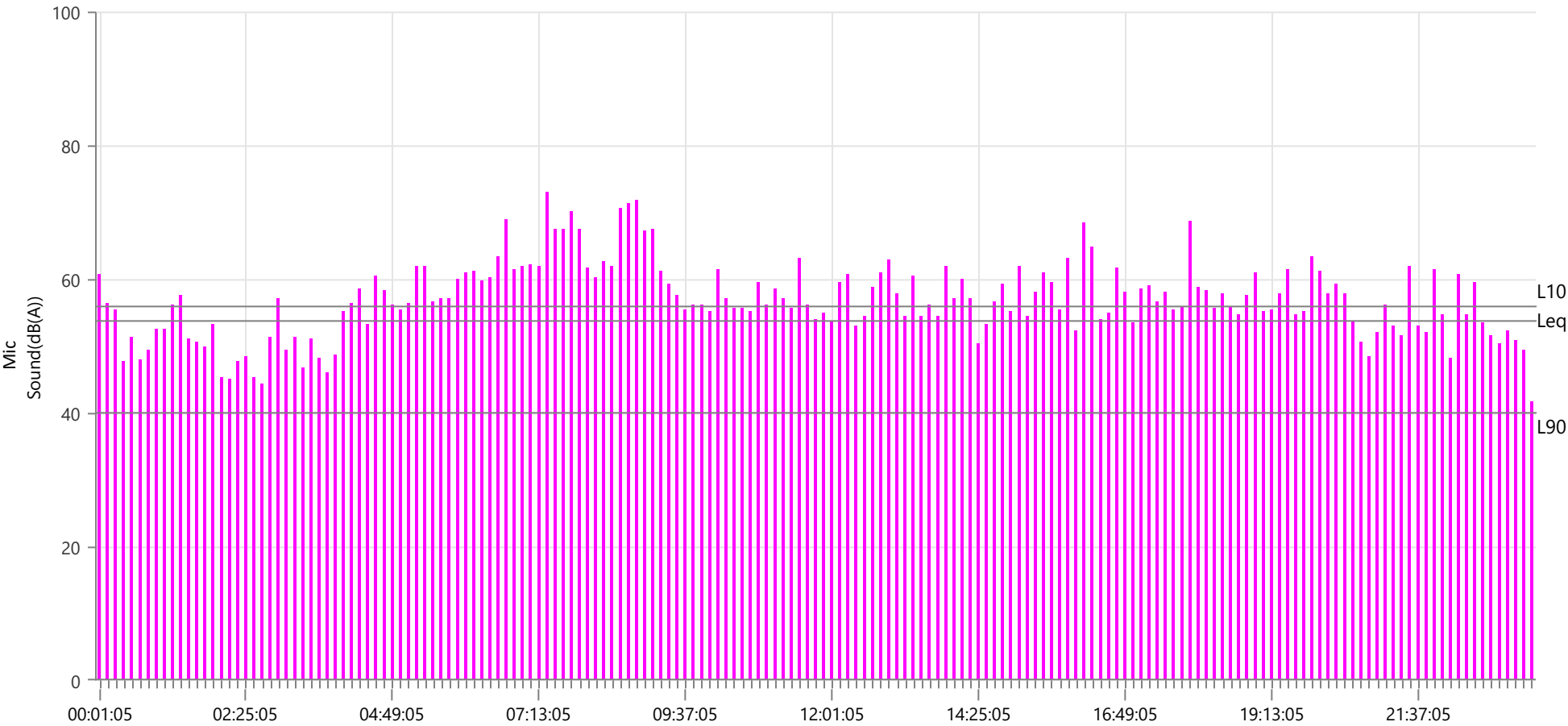
Start December 9, 2025 00:00:05
Finish December 9, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM21408
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 22, 2025 by Instantel
Microphone Calibration UA10767, February 18, 2025 by Instantel
Event File Name UM21408_20251209000005.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 73.0 dB(A)
Date Dec 9, 2025
Time 07:21:05
A-Weight Slow
LMin 37.6 L10 56 L90 40 Leq 53.6
Sensor Check Passed
Test Amplitude 1166 mv



Passed

Start December 9, 2025 00:00:05
Finish December 9, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

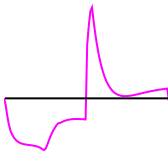
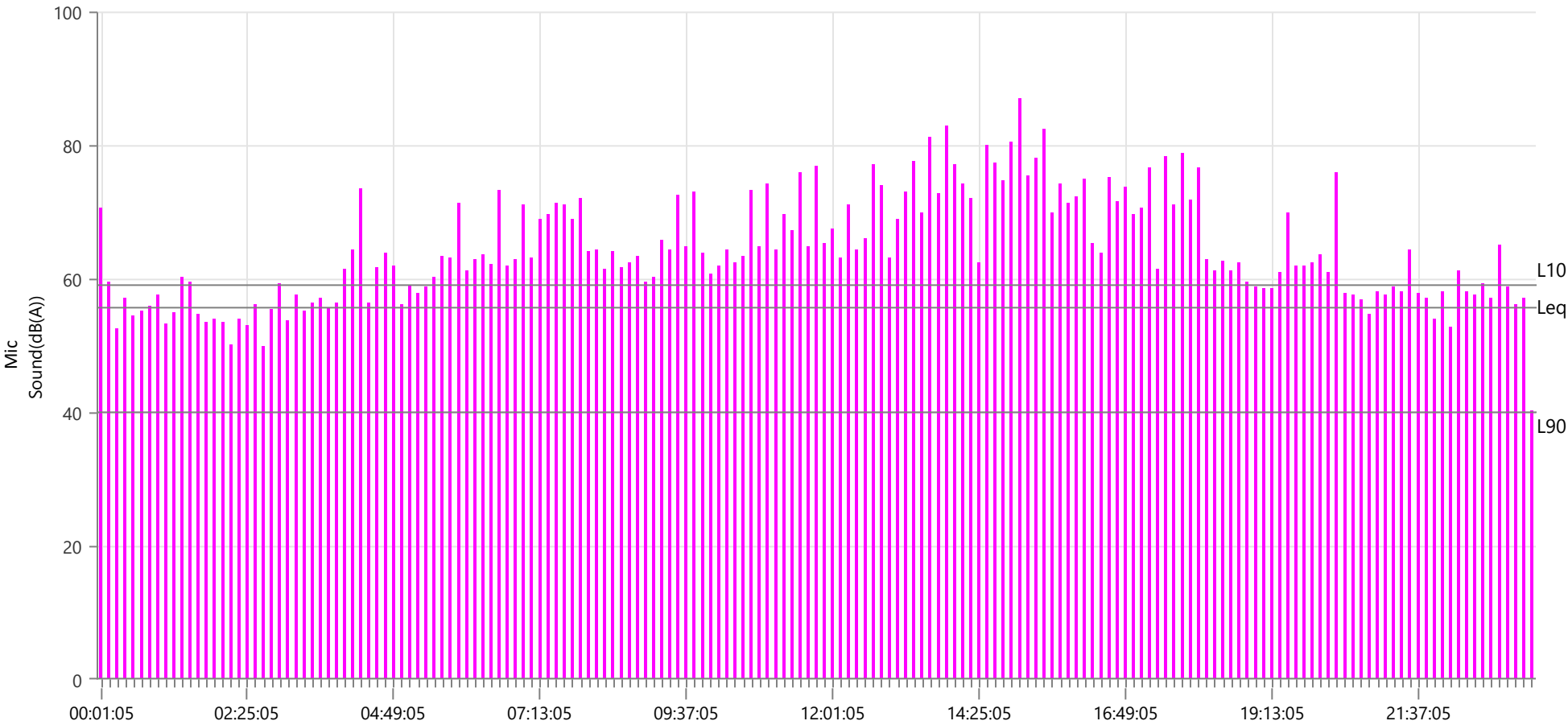
Serial Number UM8328
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 22, 2025 by Instantel
Microphone Calibration UA10376, February 18, 2025 by Field
Event File Name Calibration
USB Sensor Support UM8328_20251209000005.IDFH
Disabled

Notes
Location Noise 3
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.490958 W98.213495
Post Event Notes No text to be displayed.

Sound Level Microphone
LMax 87.1 dB(A)
Date Dec 9, 2025
Time 15:07:05
Sound(dB(A)) LMin L10 L90 Leq
Sensor Check 36.4 59 40 55.8
Test Amplitude ✓ Passed 1028 mv

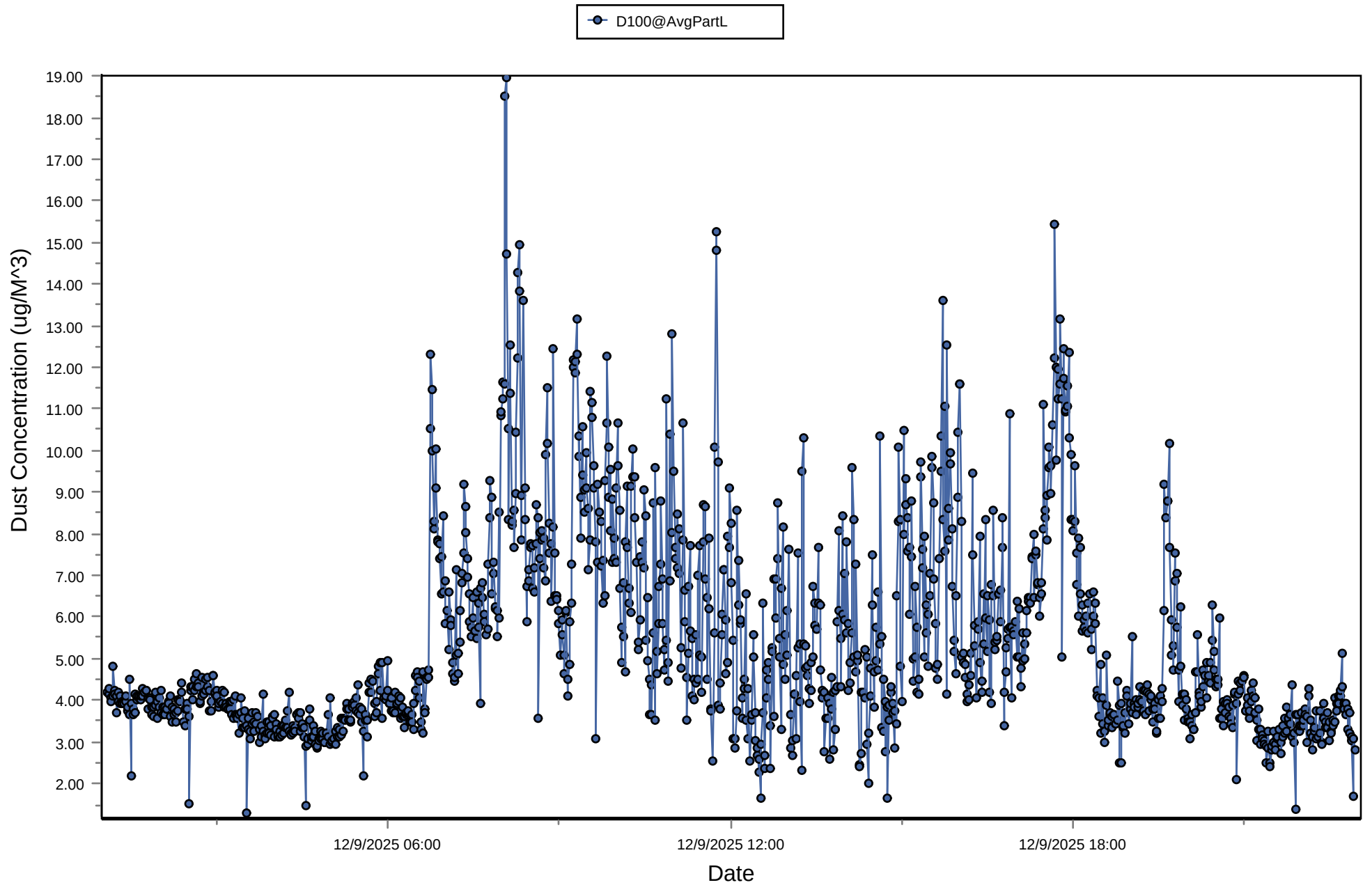
Sensor Check



✓ Passed

Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

