

Waveform Trigger Source Long at March 20, 2025 10:27:20
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_20250320102720.IDFW
USB Sensor Support Disabled

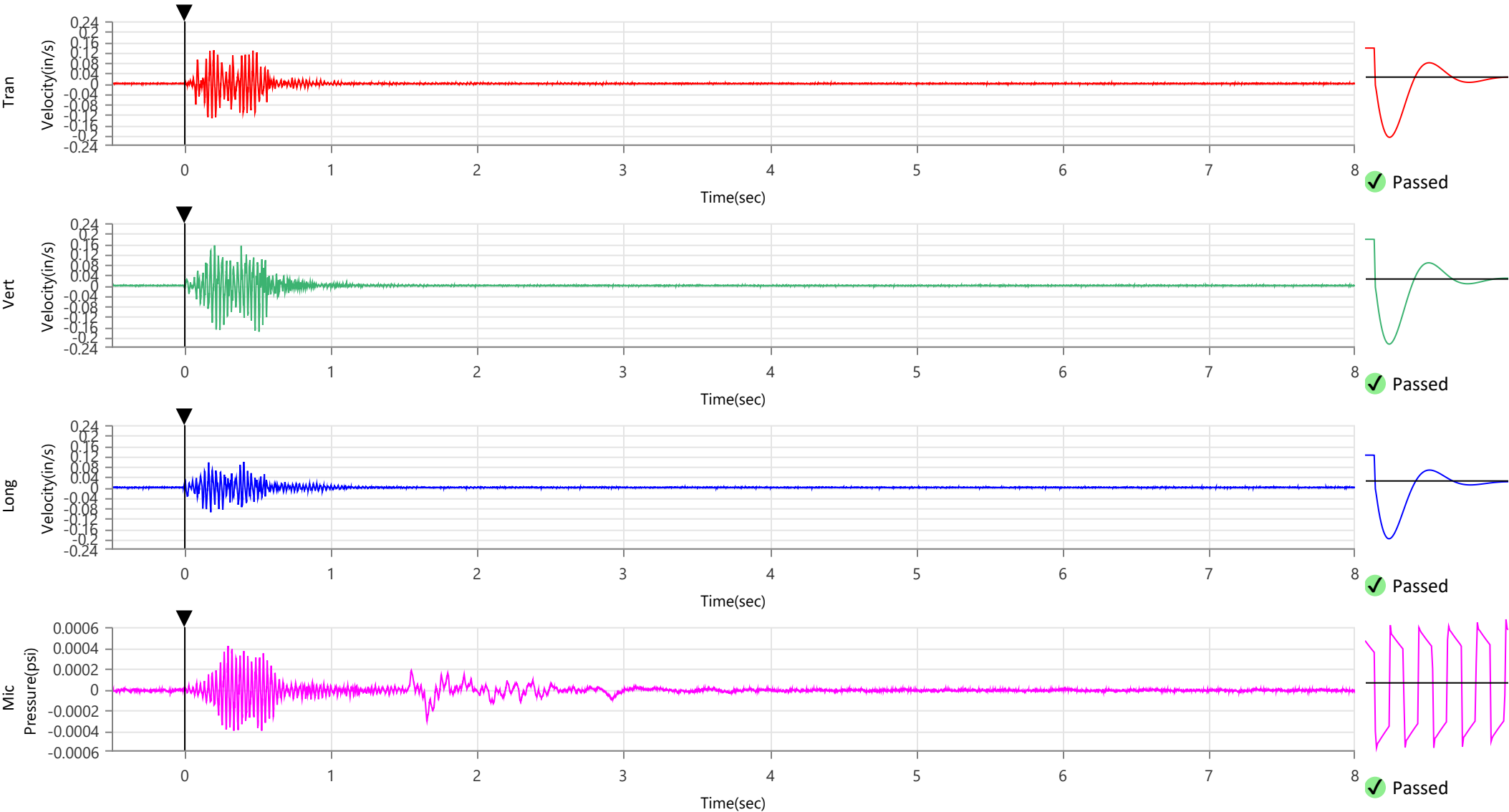
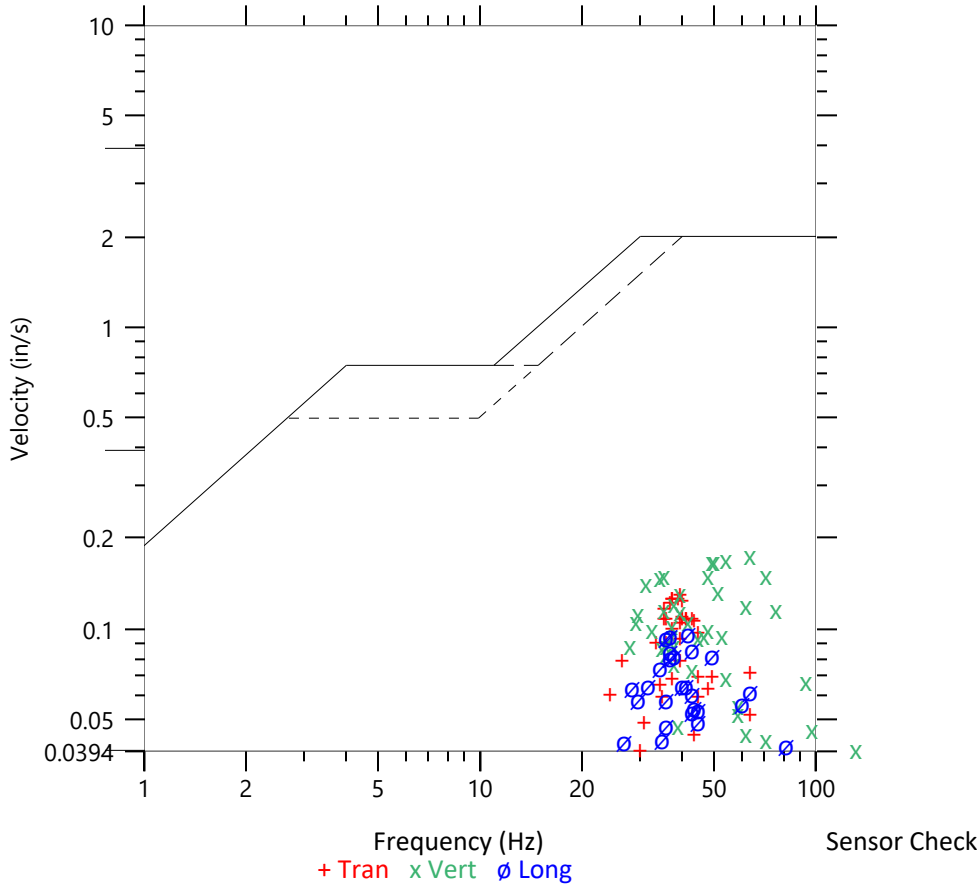
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1337 in/s	0.1781 in/s	0.0984 in/s
Zero Crossing Frequency	39.4 Hz	64.0 Hz	41.8 Hz
Time (Relative to Trigger)	0.186 sec	0.508 sec	0.404 sec
Peak Acceleration	0.132 g	0.178 g	0.102 g
Peak Displacement	0.001 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	4.1	4.0	5.2
Peak Vector Sum	0.2065 in/s at 0.481 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000419 psi
Peak Sound Pressure Level 103.2 dB(L)
Time (Relative to Trigger) 0.296 sec
Zero Crossing Frequency 41.0 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1622 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



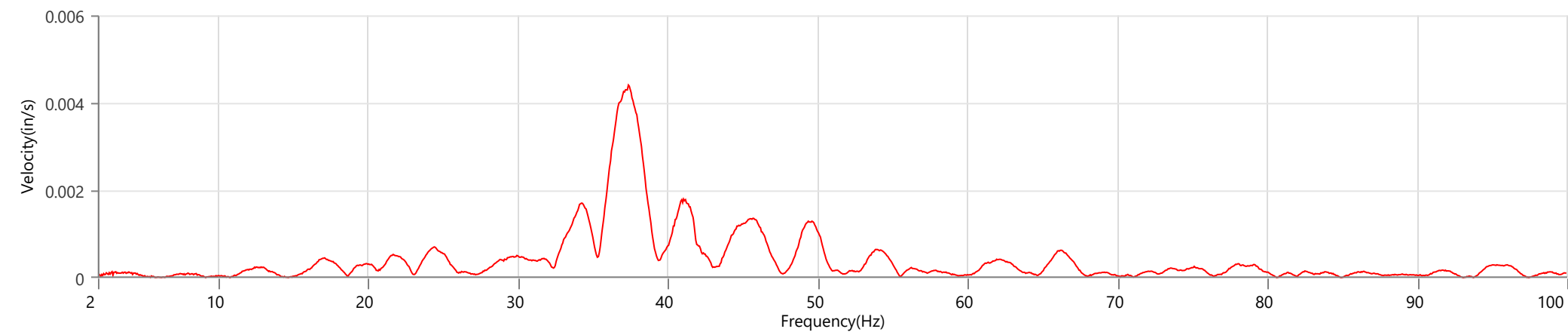
Waveform Trigger Source Long at March 20, 2025 10:27:20
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

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_20250320102720.IDFW
USB Sensor Support Disabled

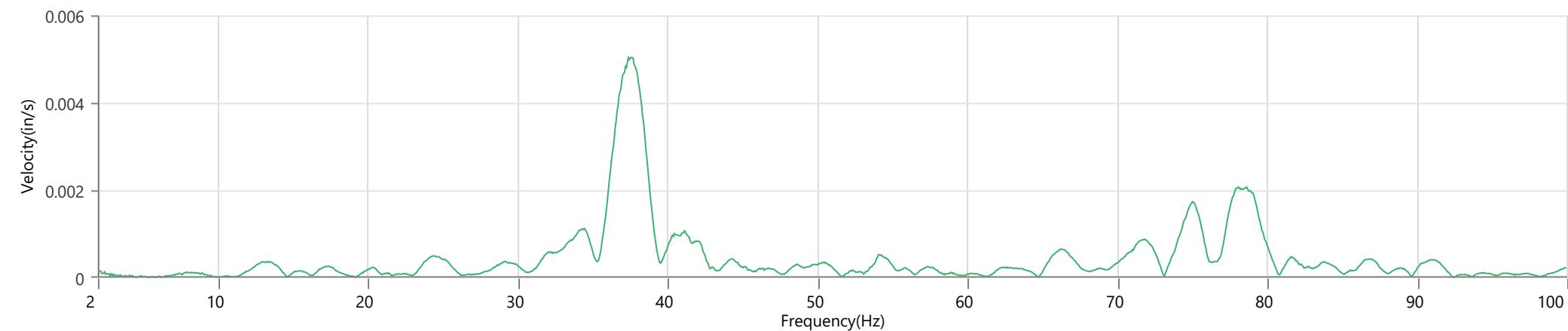
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

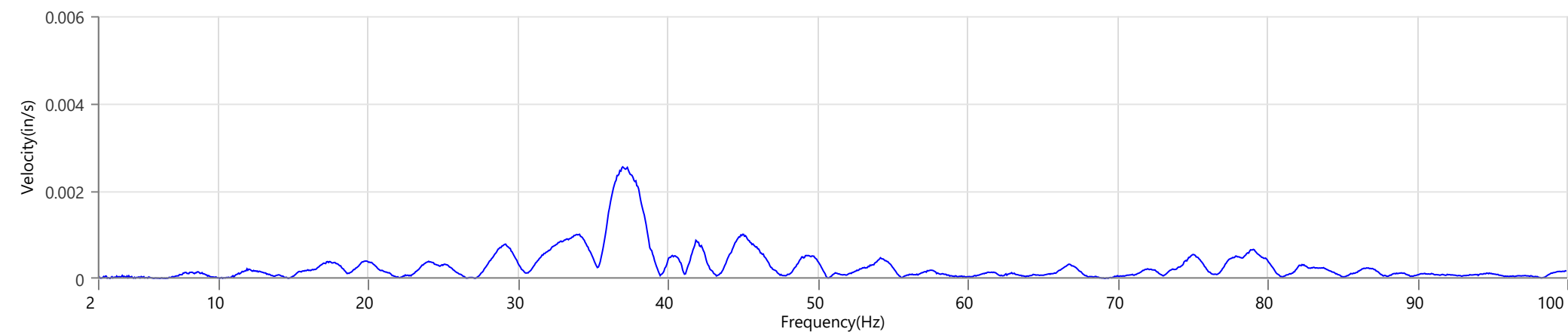
Tran - Dominant Frequency 37.4 Hz, Amplitude 0.0044 in/s (Peak Particle Velocity: 0.1337 in/s)



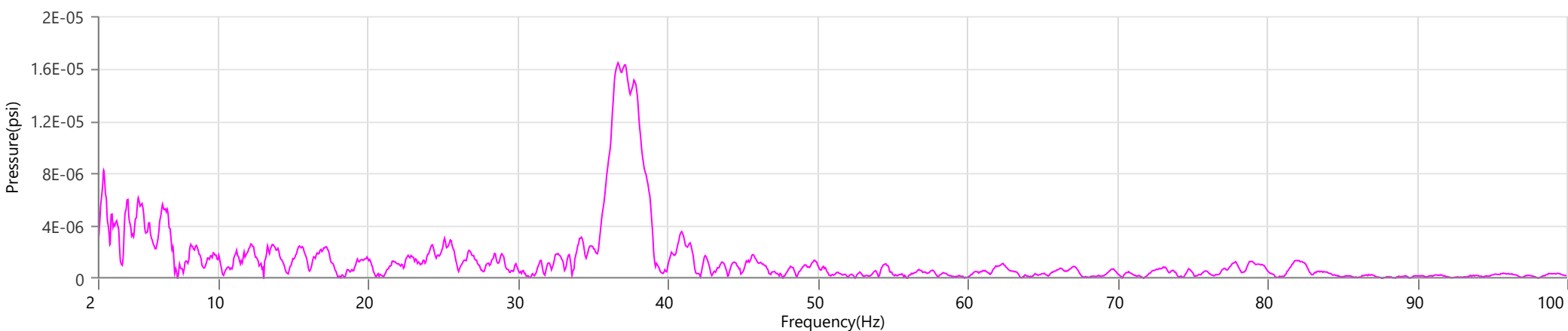
Vert - Dominant Frequency 37.6 Hz, Amplitude 0.0050 in/s (Peak Particle Velocity: 0.1781 in/s)



Long - Dominant Frequency 37.0 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.0984 in/s)



Mic - Dominant Frequency 36.7 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000419 psi)



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

Vert at March 20, 2025 10:27:20
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

UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250320102720.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

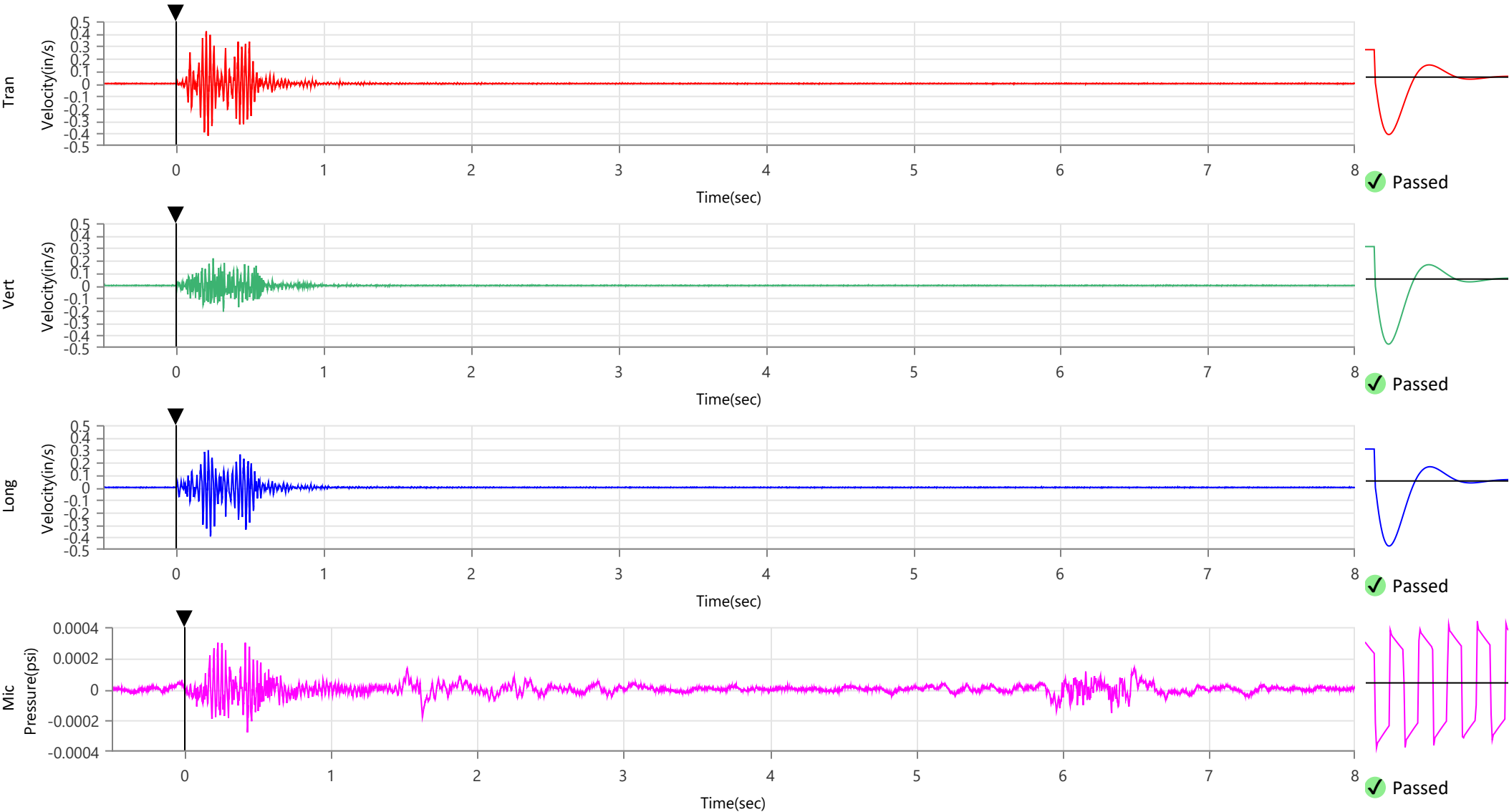
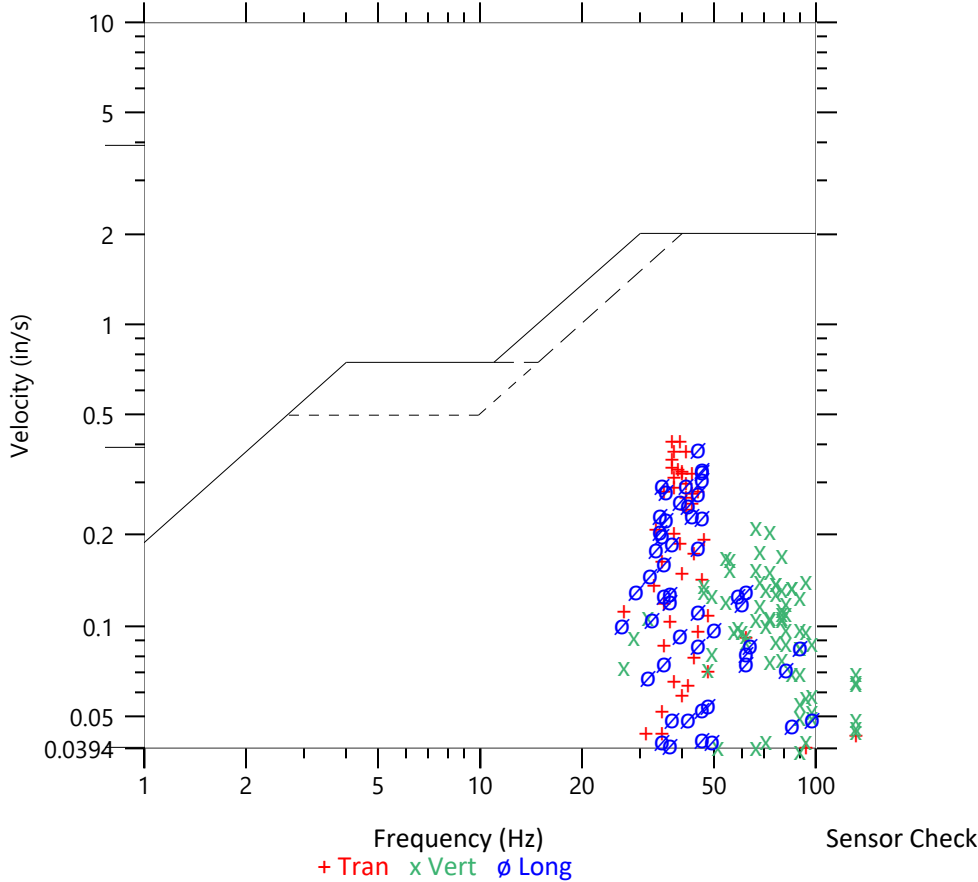
Tran	Vert	Long
0.4198 in/s	0.2178 in/s	0.3938 in/s
37.2 Hz	66.1 Hz	44.5 Hz
0.201 sec	0.248 sec	0.229 sec
0.270 g	0.253 g	0.273 g
0.002 in	0.001 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.5 Hz	7.3 Hz
4.7	4.5	4.5

Peak Vector Sum 0.5328 in/s at 0.229 sec

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

0.000299 psi
100.3 dB(L)
0.227 sec
39.4 Hz
✓ Passed
19.7 Hz
1592 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 March 20, 2025 10:27:20
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

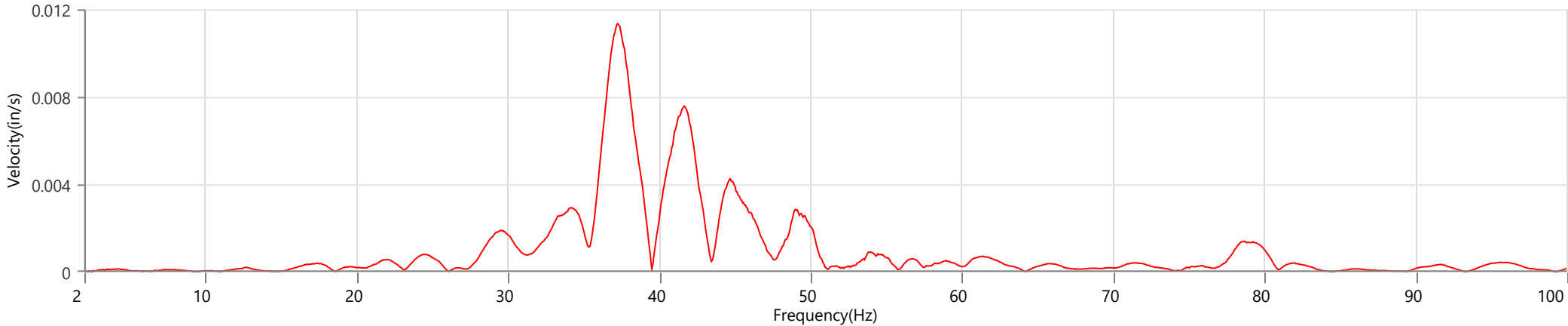
UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250320102720.IDFW
Disabled

Notes
Location
Client
Company
General Notes

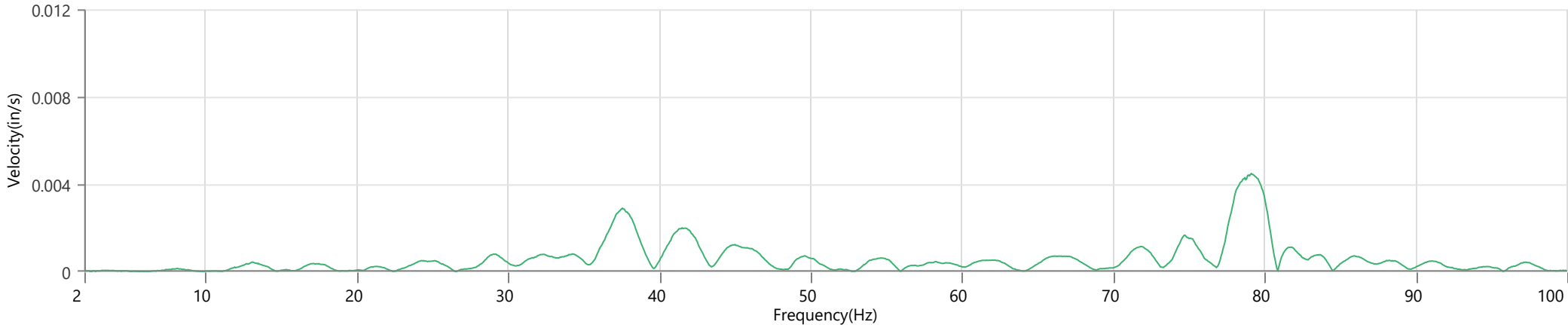
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

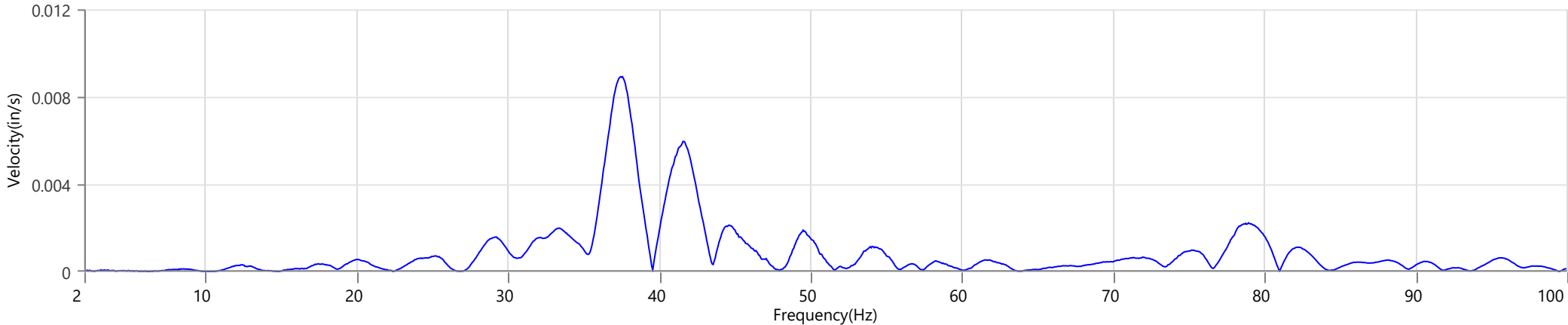
Tran - Dominant Frequency 37.2 Hz, Amplitude 0.0113 in/s (Peak Particle Velocity: 0.4198 in/s)



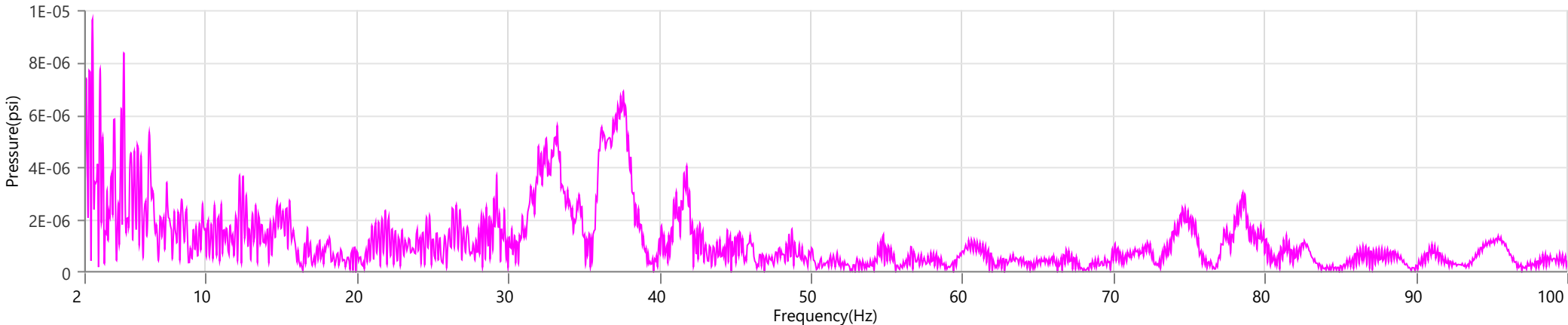
Vert - Dominant Frequency 79.1 Hz, Amplitude 0.0045 in/s (Peak Particle Velocity: 0.2178 in/s)



Long - Dominant Frequency 37.6 Hz, Amplitude 0.0089 in/s (Peak Particle Velocity: 0.3938 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000299 psi)



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

Vert at March 20, 2025 10:27:19
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_20250320102719.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

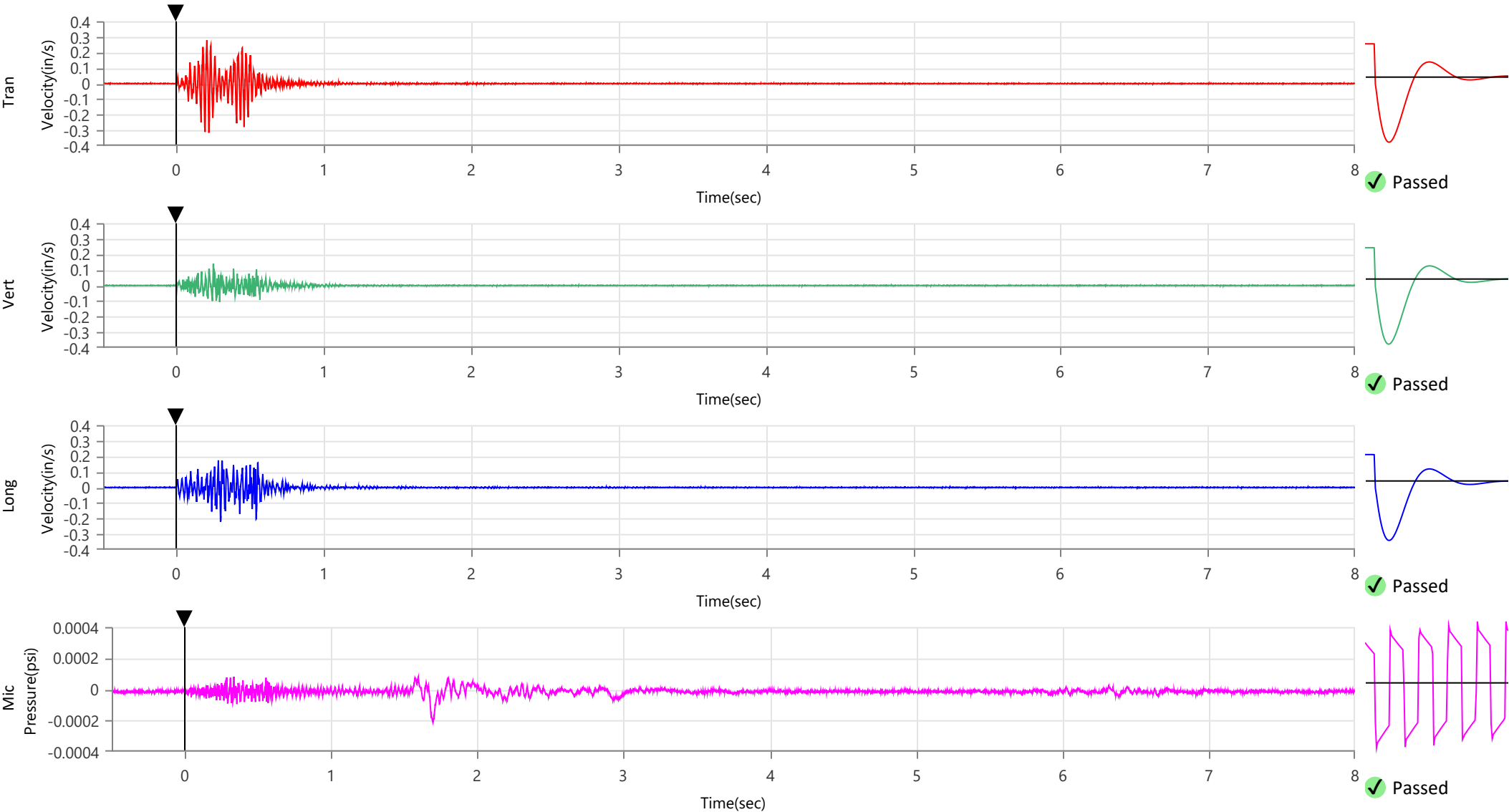
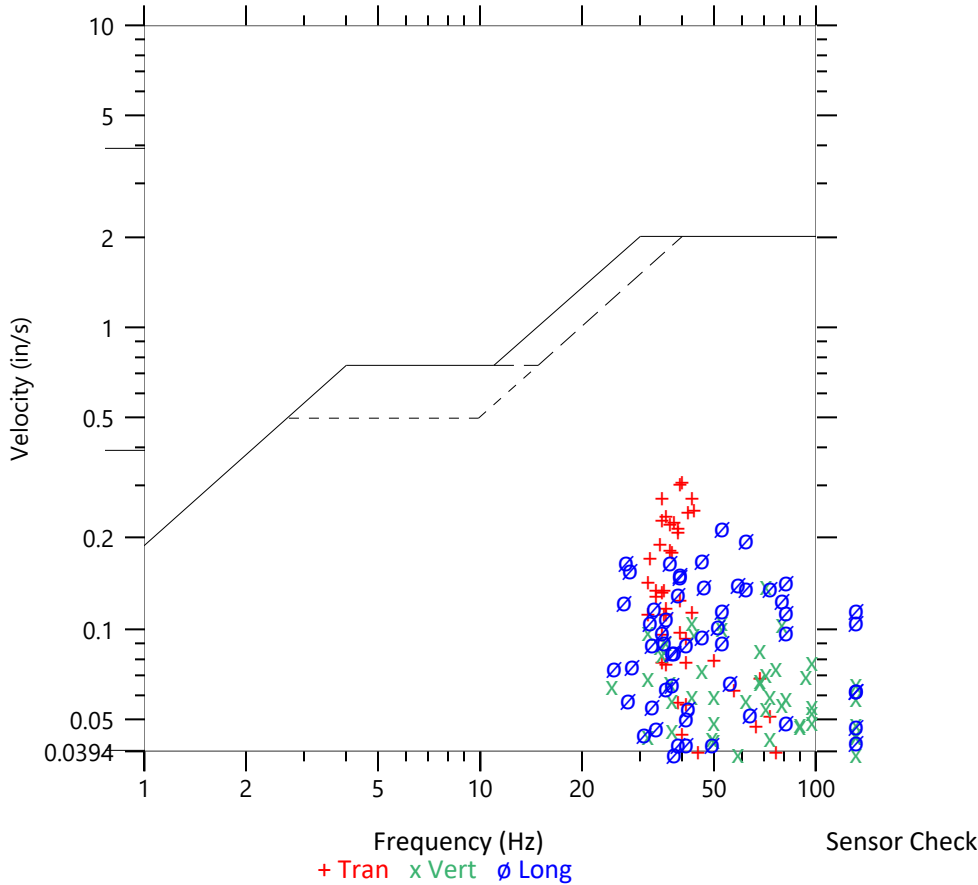
Tran	Vert	Long
0.3156 in/s	0.1409 in/s	0.2203 in/s
40.2 Hz	70.6 Hz	52.5 Hz
0.218 sec	0.249 sec	0.298 sec
0.253 g	0.155 g	0.240 g
0.001 in	0.000 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.3 Hz
4.2	4.9	4.9

Peak Vector Sum 0.3183 in/s at 0.218 sec

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

0.000212 psi
97.3 dB(L)
1.696 sec
4.5 Hz
✓ Passed
20.5 Hz
1577 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 March 20, 2025 10:27:19
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

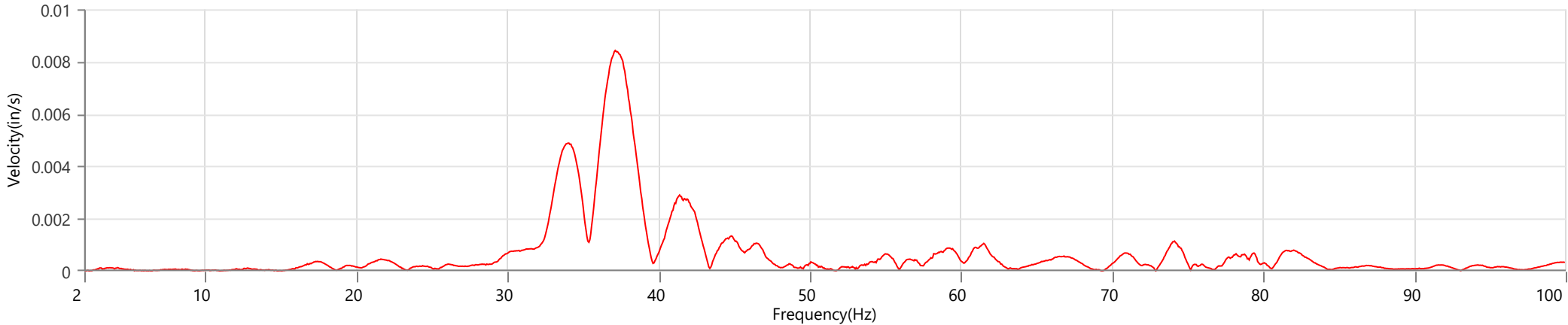
UM22233
Micromate ISEE 11.0AK
3.8 volts
February 20, 2025 by Instantel
UM22233_20250320102719.IDFW
Disabled

Notes
Location
Client
Company
General Notes

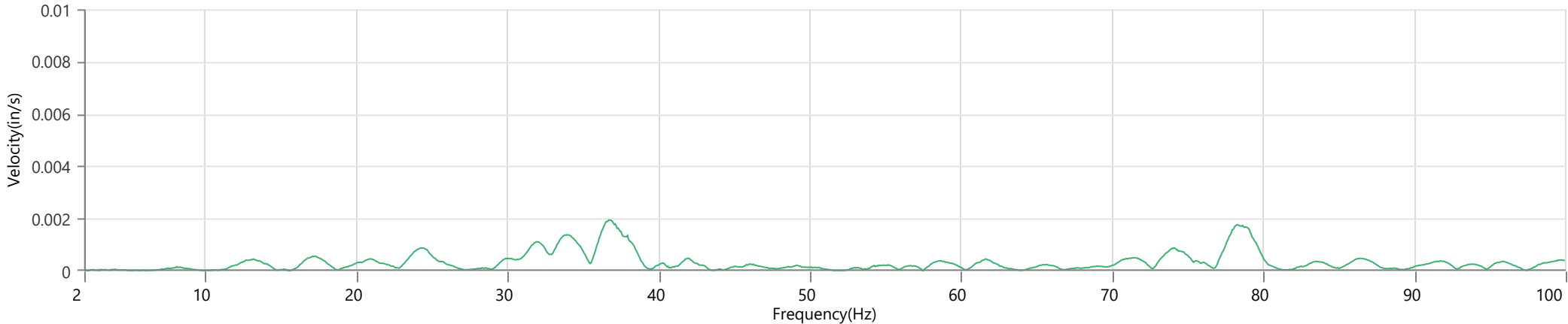
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

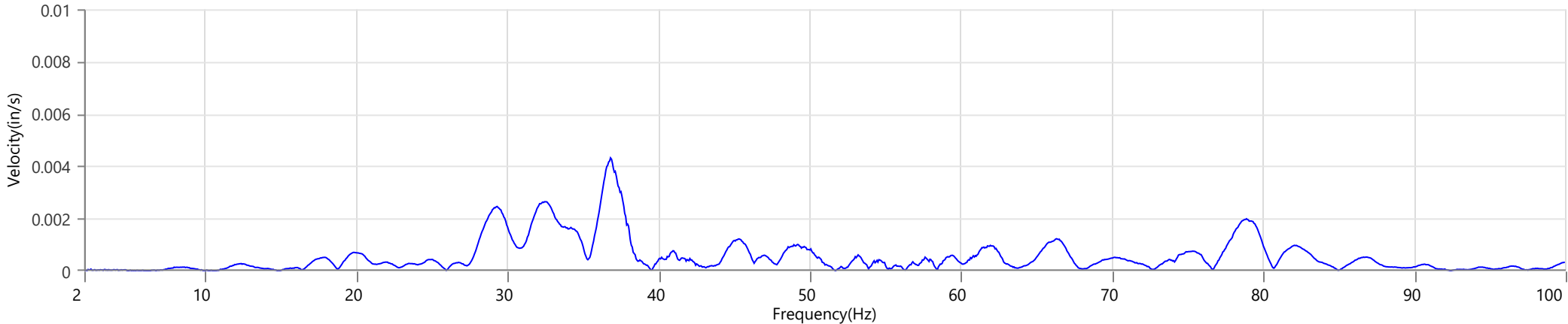
Tran - Dominant Frequency 37.1 Hz, Amplitude 0.0084 in/s (Peak Particle Velocity: 0.3156 in/s)



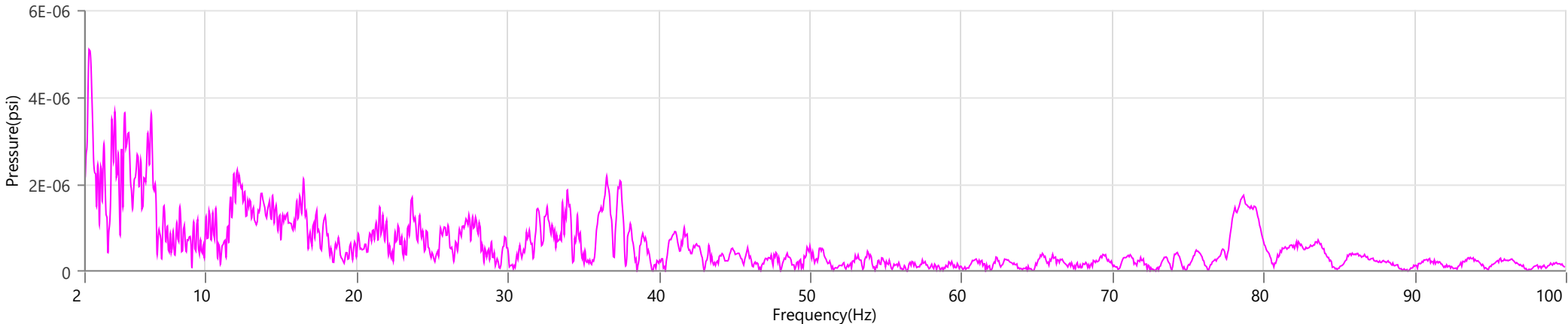
Vert - Dominant Frequency 36.7 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1409 in/s)



Long - Dominant Frequency 36.8 Hz, Amplitude 0.0043 in/s (Peak Particle Velocity: 0.2203 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000212 psi)



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

Vert at March 20, 2025 10:27:20
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_20250320102720.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
0.1955 in/s
40.2 Hz
0.220 sec
0.181 g
0.001 in
✓ Passed
7.1 Hz
4.5

Vert
0.1607 in/s
>100 Hz
0.391 sec
0.303 g
0.000 in
✓ Passed
7.3 Hz
4.3

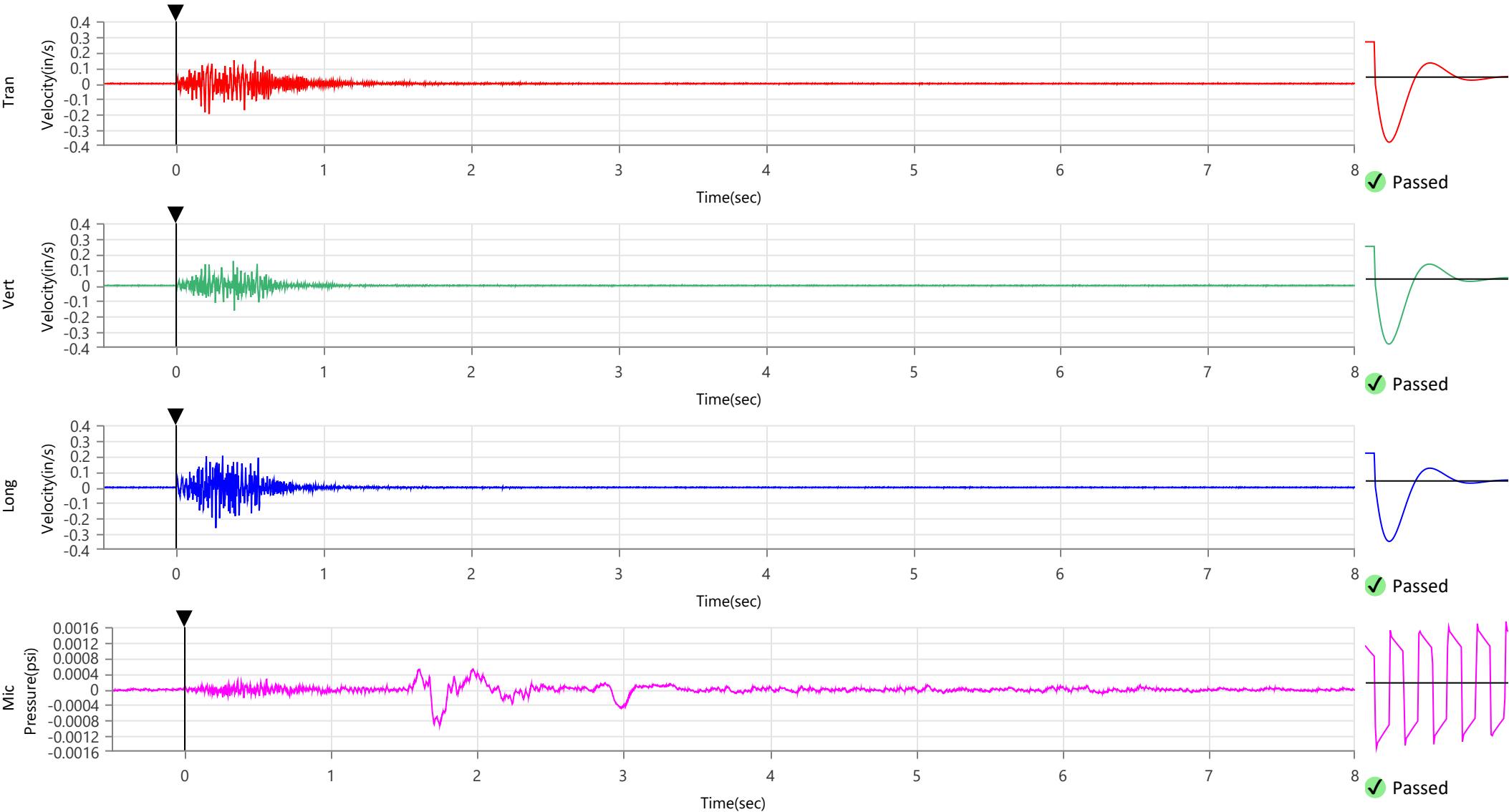
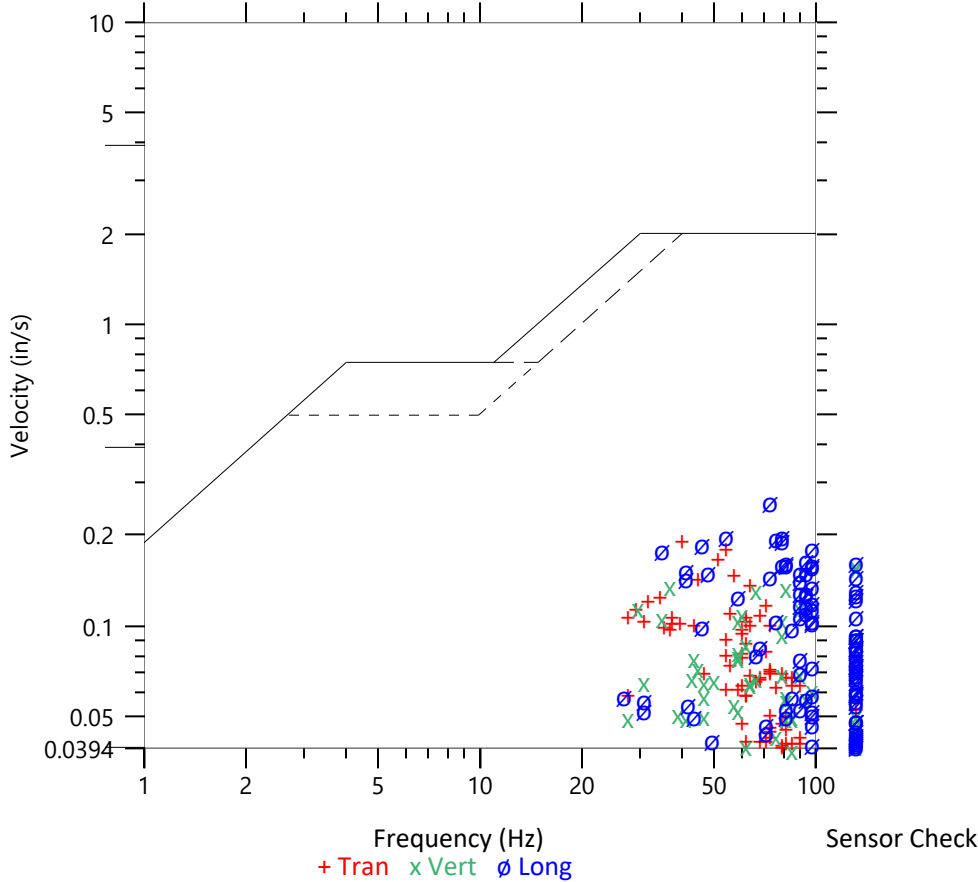
Long
0.2607 in/s
73.1 Hz
0.266 sec
0.336 g
0.001 in
✓ Passed
7.1 Hz
4.7

Peak Vector Sum 0.2759 in/s at 0.266 sec

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

0.000916 psi
110.0 dB(L)
1.742 sec
4.2 Hz
✓ Passed
20.5 Hz
1673 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 March 20, 2025 10:27:20
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

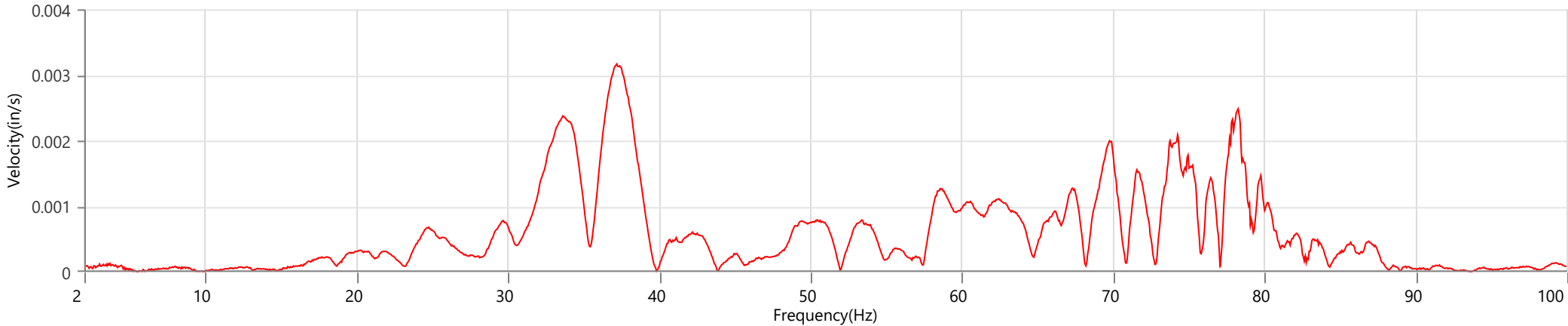
UM19910
Micromate ISEE 11.0AK
3.8 volts
May 22, 2024 by Instantel
UM19910_20250320102720.IDFW
Disabled

Notes
Location
Client
Company
General Notes

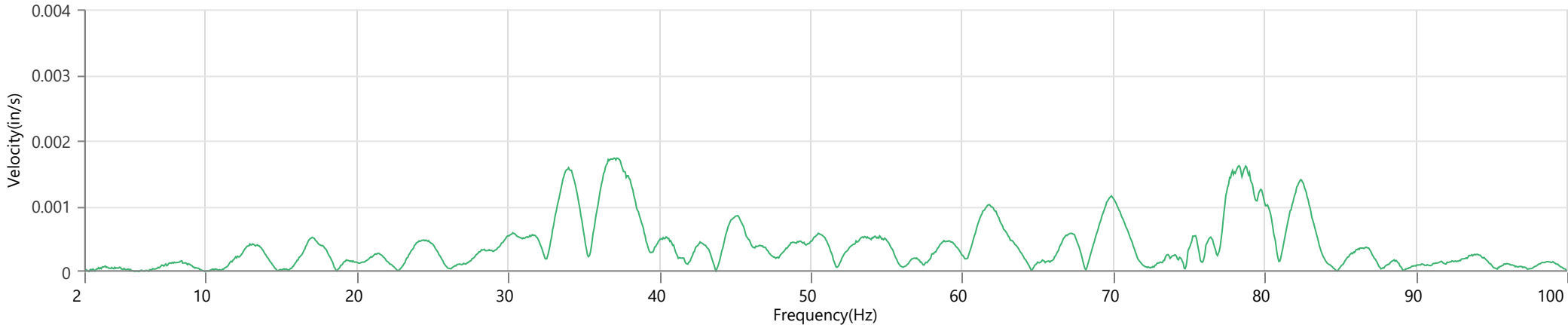
Station 5
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

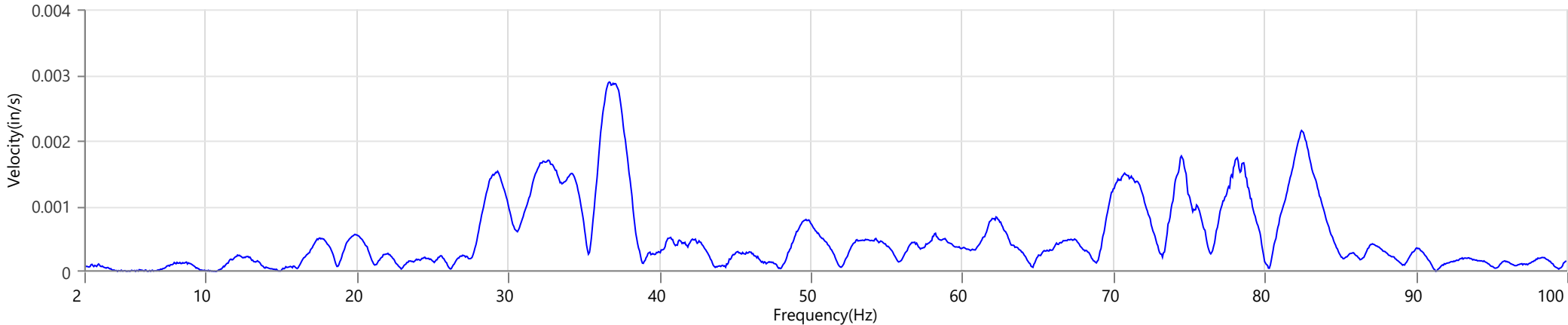
Tran - Dominant Frequency 37.2 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.1955 in/s)



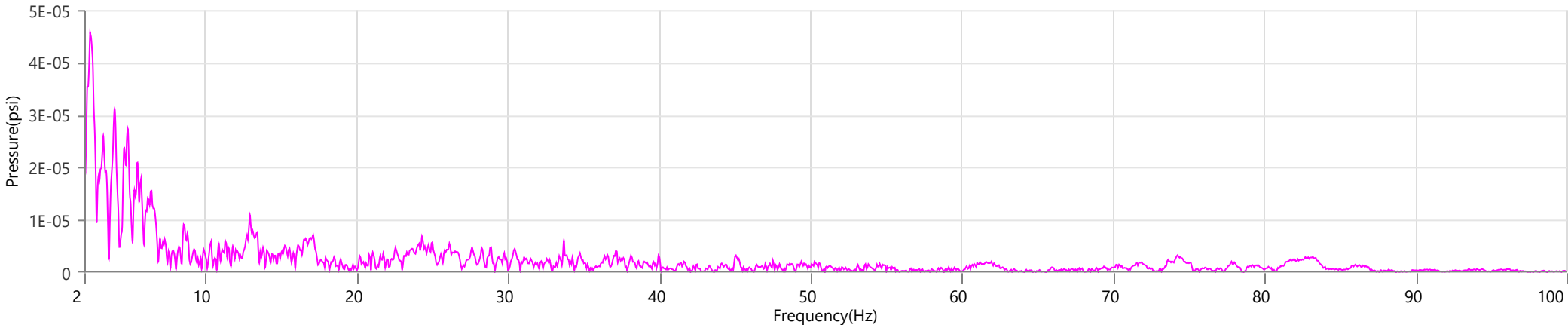
Vert - Dominant Frequency 37.2 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.1607 in/s)



Long - Dominant Frequency 36.7 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.2607 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00005 psi (Peak Sound Pressure Level: 0.000916 psi)



Waveform Trigger Source Long at March 20, 2025 10:27:21
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 UM11400
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Event File Name UM11400_20250320102721.IDFW
USB Sensor Support Disabled

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

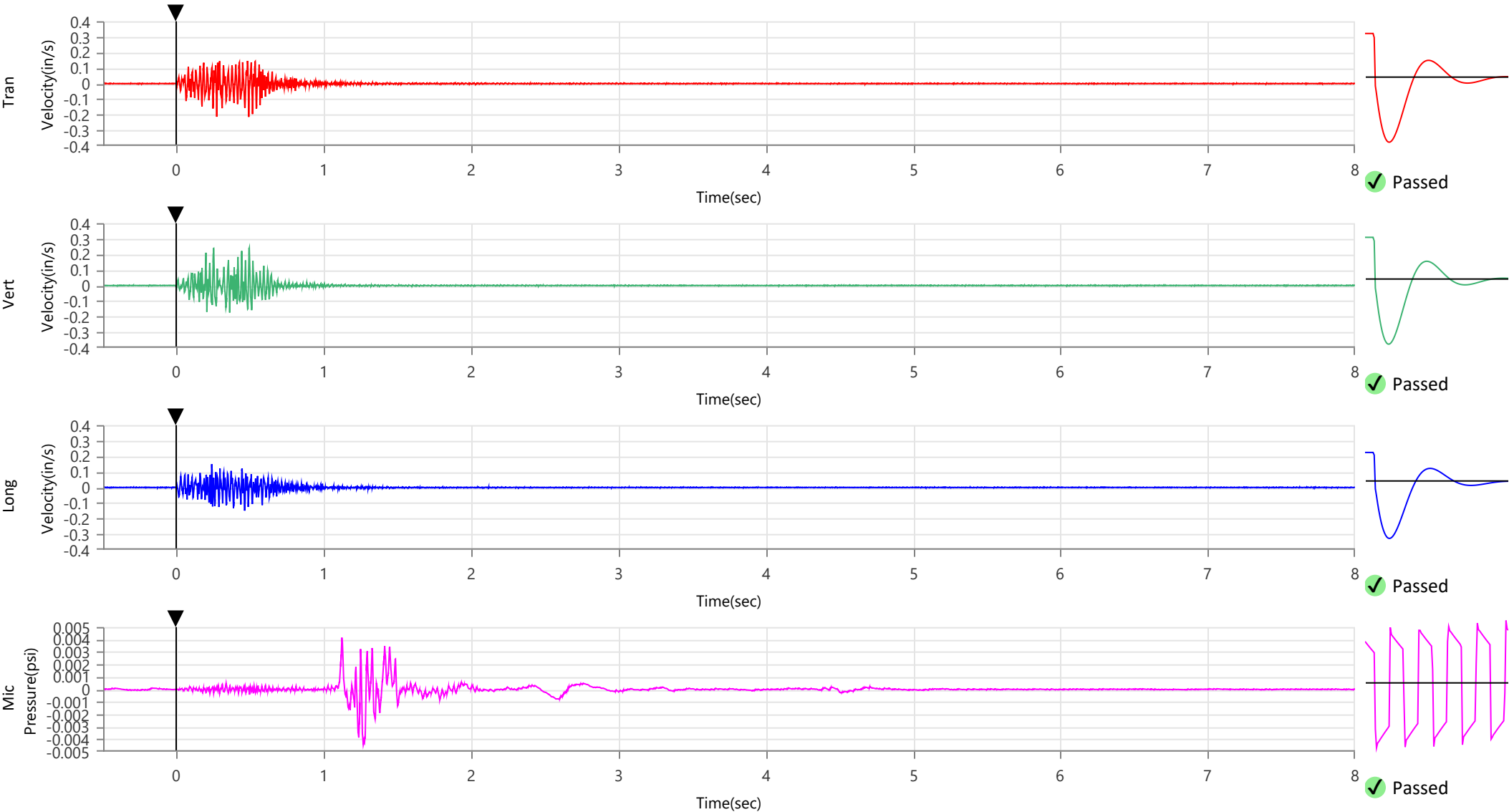
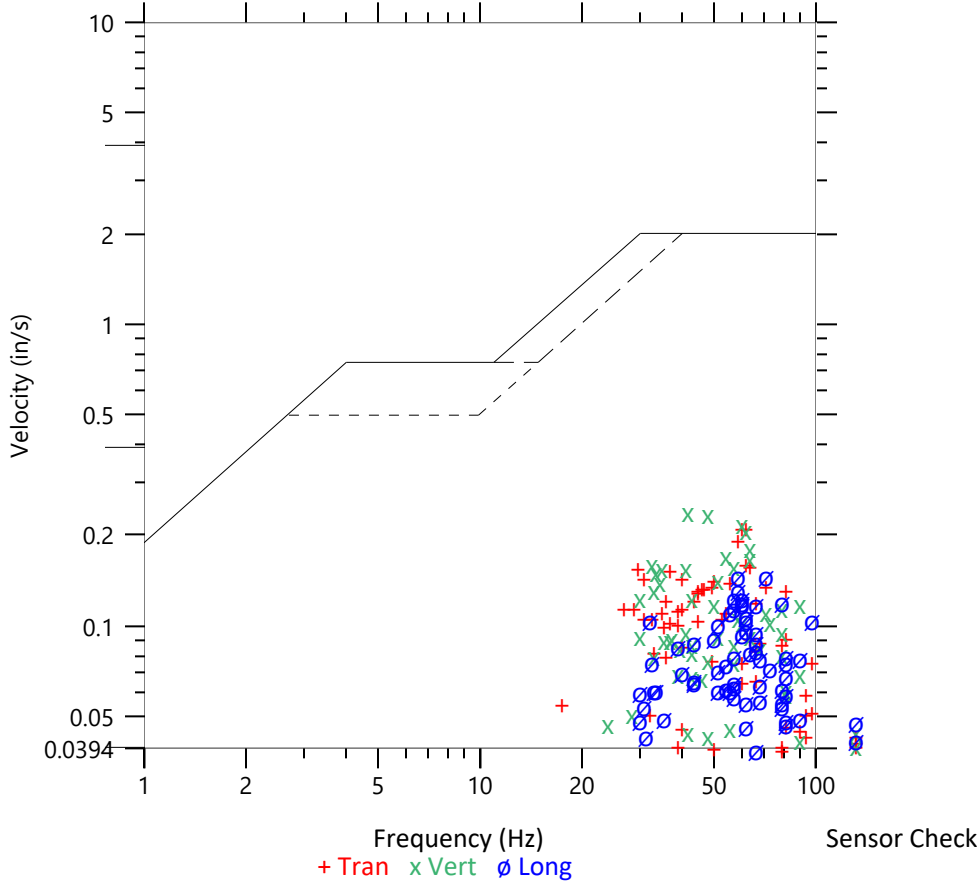
Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity Tran 0.2141 in/s Vert 0.2424 in/s Long 0.1493 in/s
Zero Crossing Frequency 60.2 Hz 41.8 Hz 70.6 Hz
Time (Relative to Trigger) 0.489 sec 0.492 sec 0.238 sec
Peak Acceleration 0.217 g 0.230 g 0.188 g
Peak Displacement 0.001 in 0.001 in 0.000 in
Sensor Check ✓ Passed ✓ Passed ✓ Passed
Frequency 7.5 Hz 7.7 Hz 7.1 Hz
Overswing Ratio 3.8 3.6 4.5

Peak Vector Sum 0.2697 in/s at 0.490 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.004453 psi
Peak Sound Pressure Level 123.7 dB(L)
Time (Relative to Trigger) 1.267 sec
Zero Crossing Frequency 16.1 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1587 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



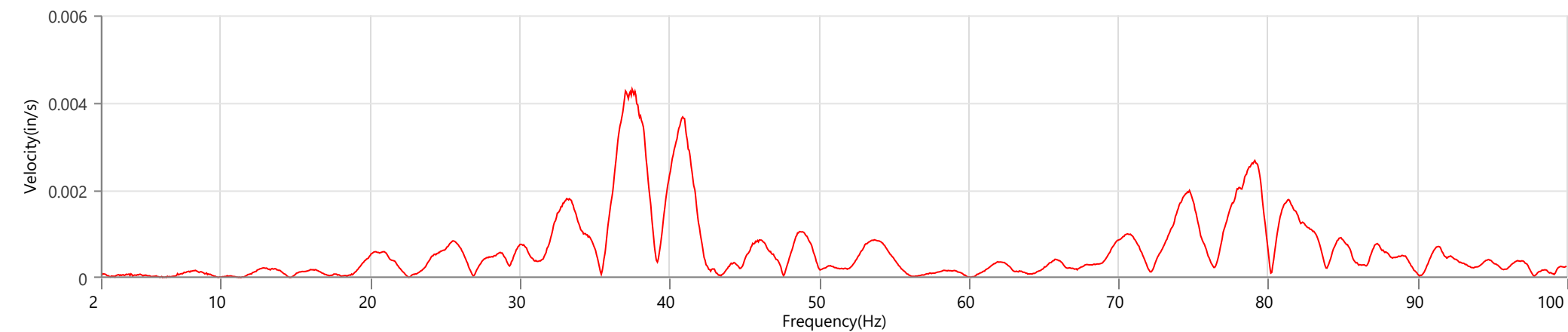
Waveform Trigger Source Long at March 20, 2025 10:27:21
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

Serial Number UM11400
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Event File Name UM11400_20250320102721.IDFW
USB Sensor Support Disabled

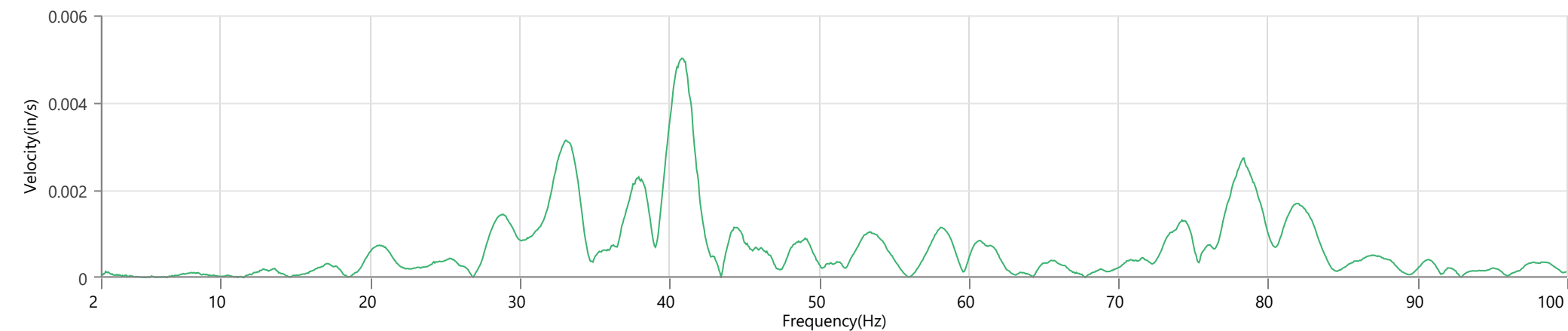
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

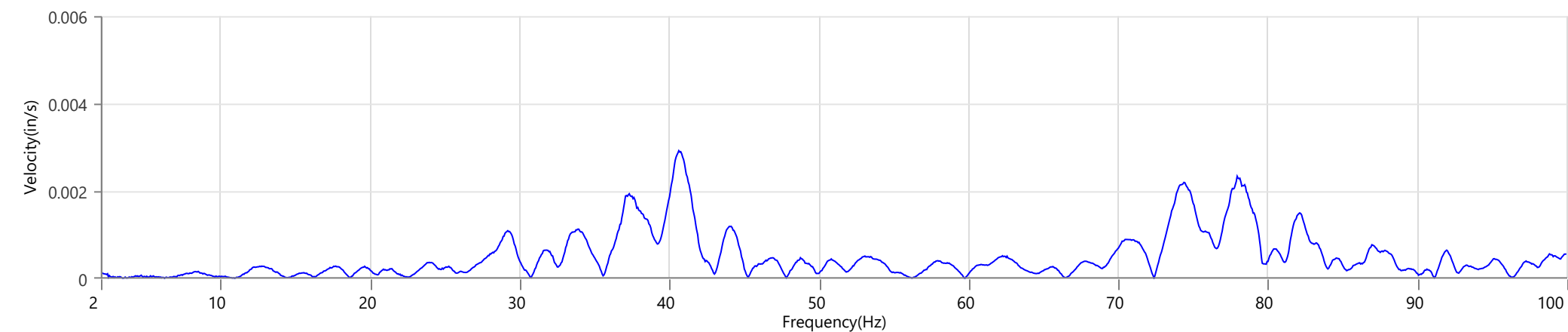
Tran - Dominant Frequency 37.5 Hz, Amplitude 0.0043 in/s (Peak Particle Velocity: 0.2141 in/s)



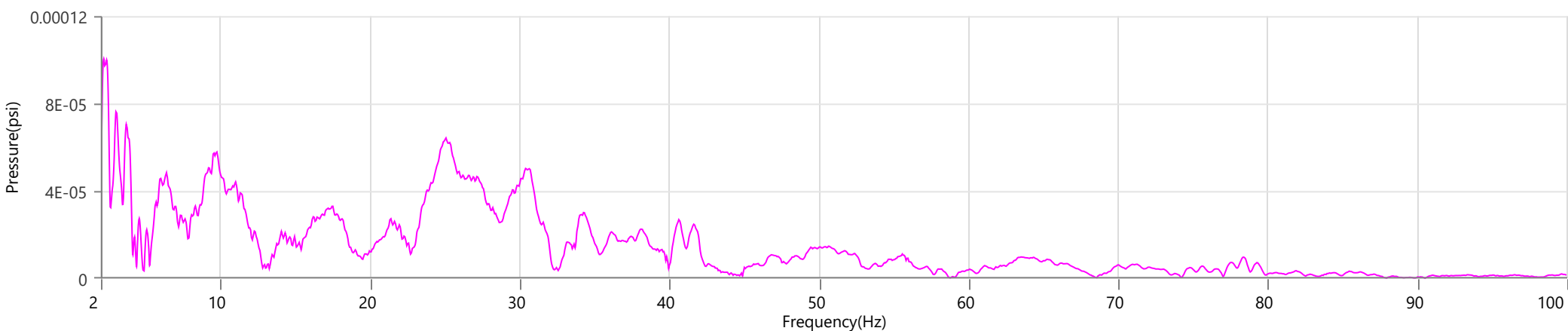
Vert - Dominant Frequency 40.9 Hz, Amplitude 0.0050 in/s (Peak Particle Velocity: 0.2424 in/s)



Long - Dominant Frequency 40.6 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.1493 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00010 psi (Peak Sound Pressure Level: 0.004453 psi)





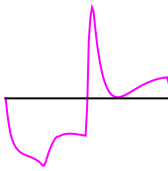
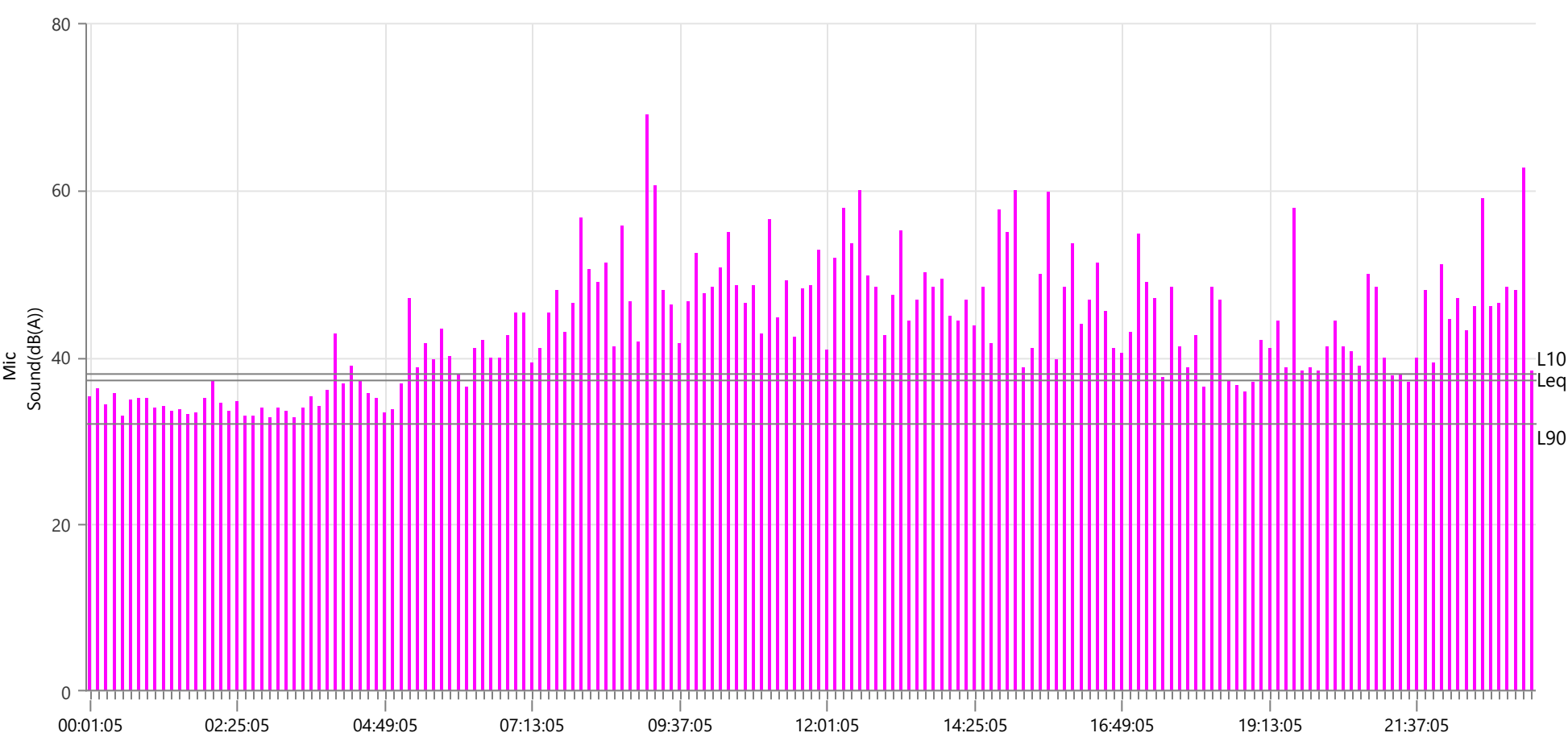
Start March 20, 2025 00:00:05
Finish March 20, 2025 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number 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_20250320000005.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.

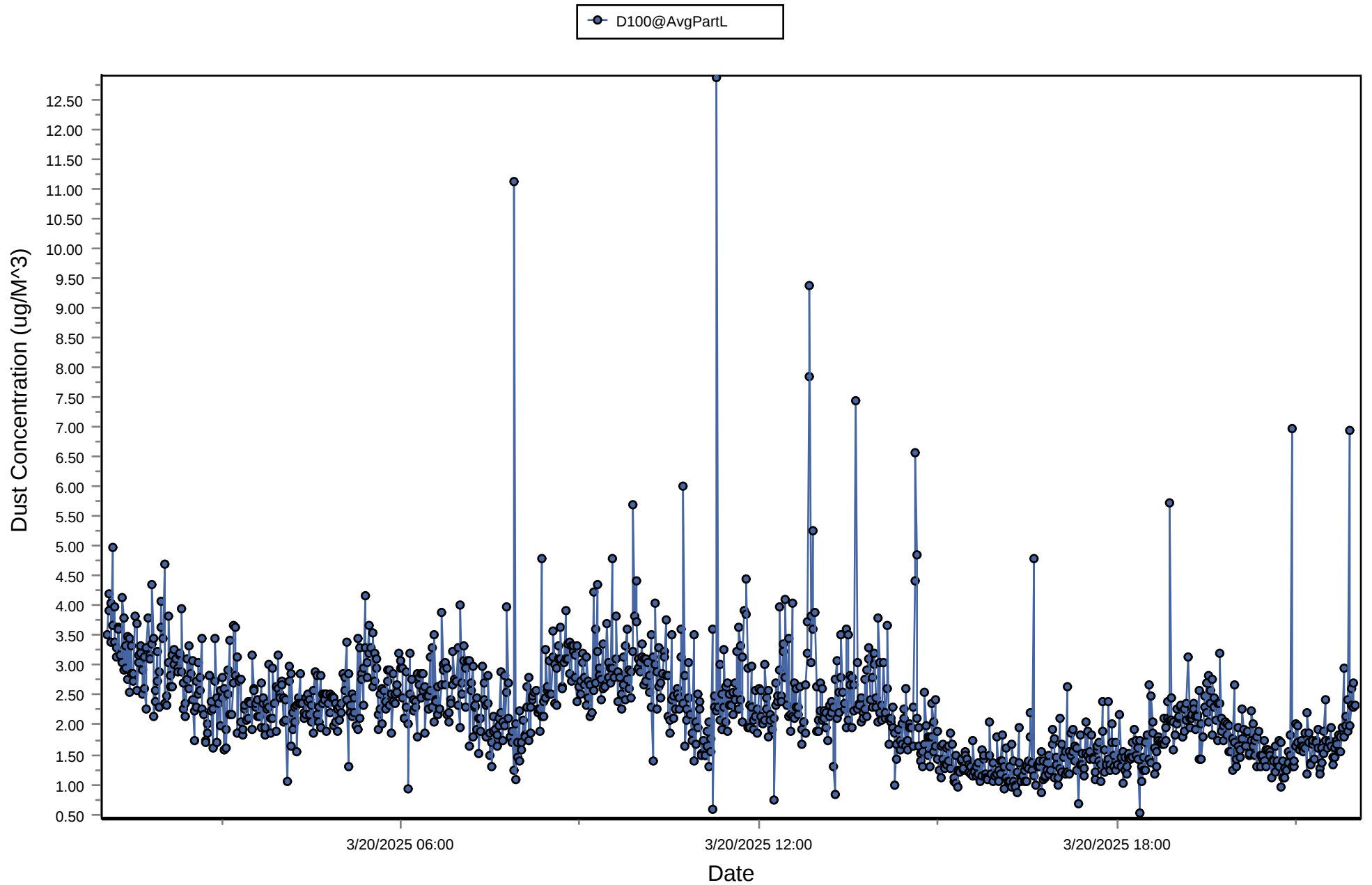
Sound Level Microphone
LMax 69.0 dB(A)
Date Mar 20, 2025
Time 09:06:05
Sound(dB(A)) LMin 30.4 L10 38 L90 32 Leq 37.1
Sensor Check Passed
Test Amplitude 1077 mv



Passed

Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

