

Waveform Trigger Source Long at September 5, 2025 12:01:15
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 UM6427
Model Number Micromate ISEE 11.0AK
Battery Level 2.7 volts
Unit Calibration March 19, 2025 by Instantel
Event File Name UM6427_20250905120115.IDFW
USB Sensor Support Disabled

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

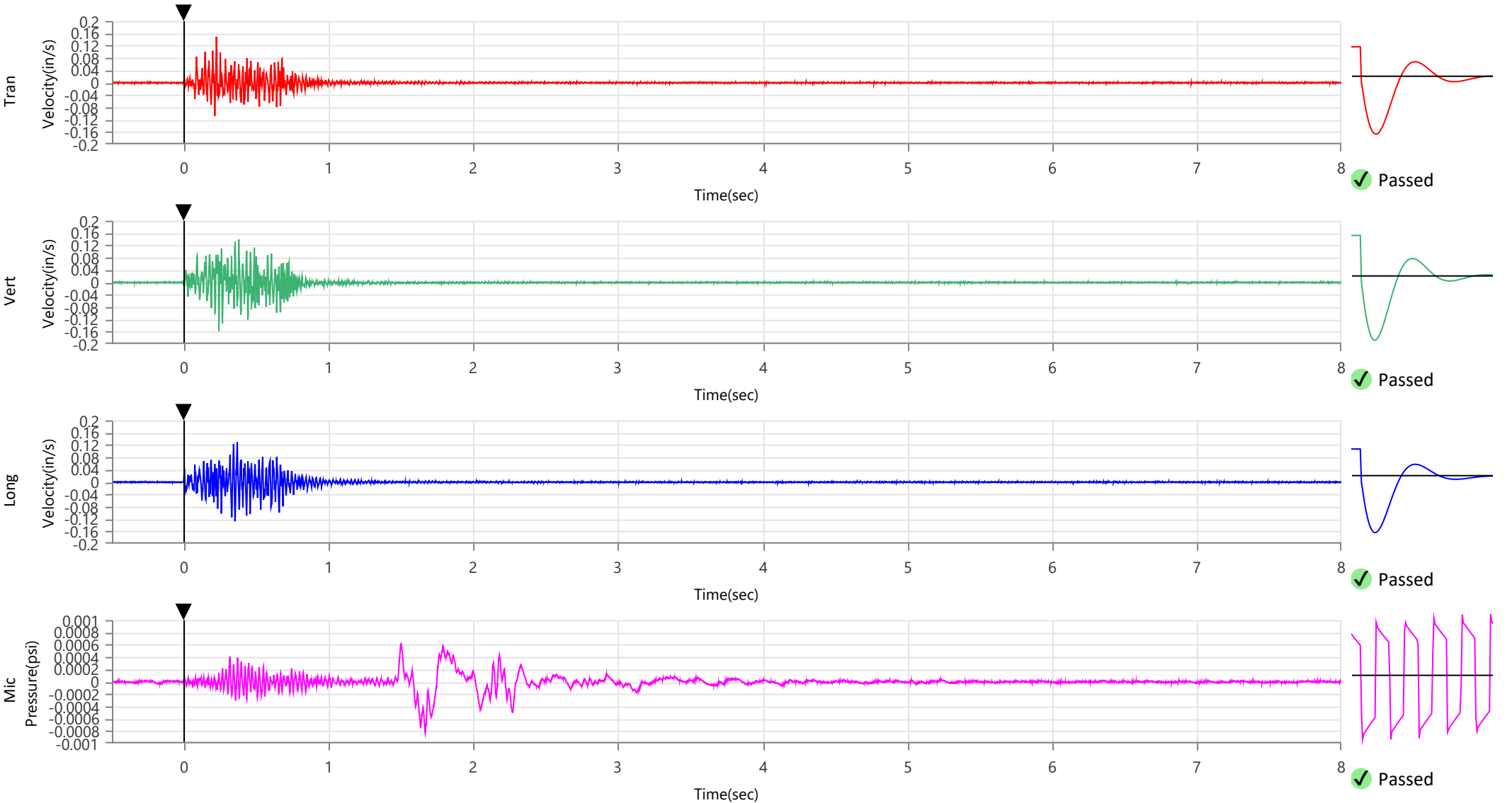
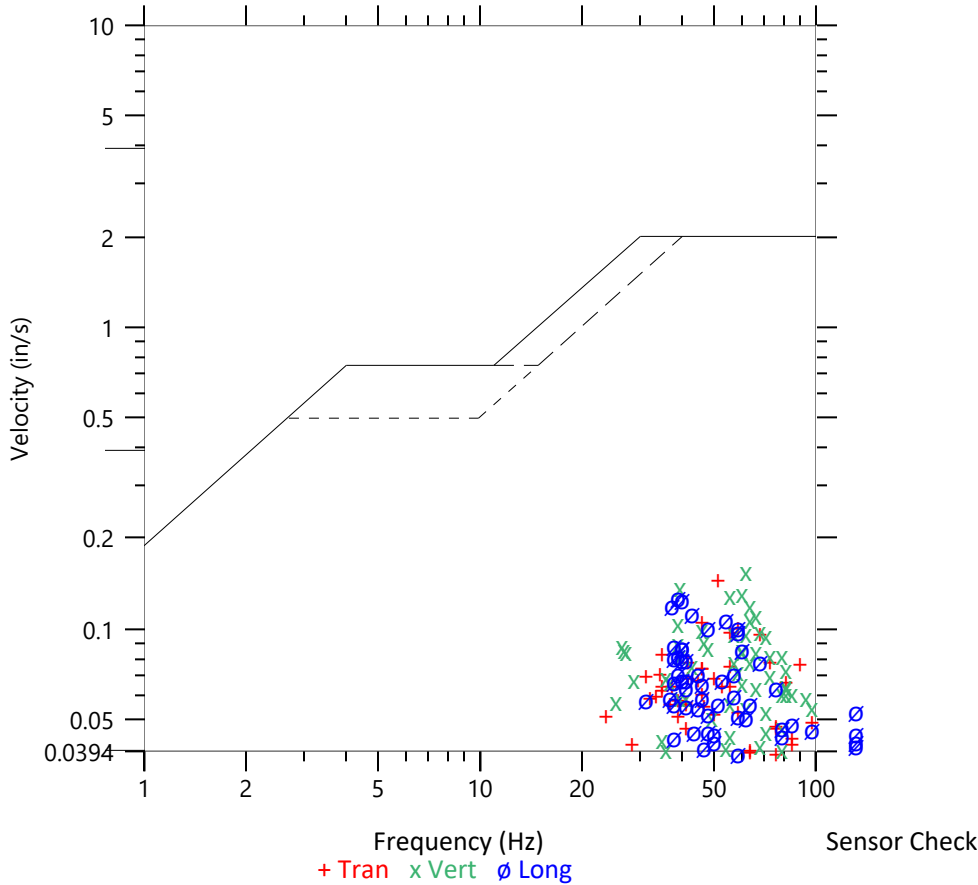
Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity Tran 0.1489 in/s Vert 0.1579 in/s Long 0.1303 in/s
Zero Crossing Frequency 51.2 Hz 62.1 Hz 38.6 Hz
Time (Relative to Trigger) 0.224 sec 0.240 sec 0.367 sec
Peak Acceleration 0.138 g 0.171 g 0.138 g
Peak Displacement 0.000 in 0.001 in 0.001 in
Sensor Check ✓ Passed ✓ Passed ✓ Passed
Frequency 7.3 Hz 7.7 Hz 7.1 Hz
Overswing Ratio 3.9 3.6 5.0

Peak Vector Sum 0.1788 in/s at 0.353 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000826 psi
Peak Sound Pressure Level 109.1 dB(L)
Time (Relative to Trigger) 1.667 sec
Zero Crossing Frequency 3.1 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1257 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

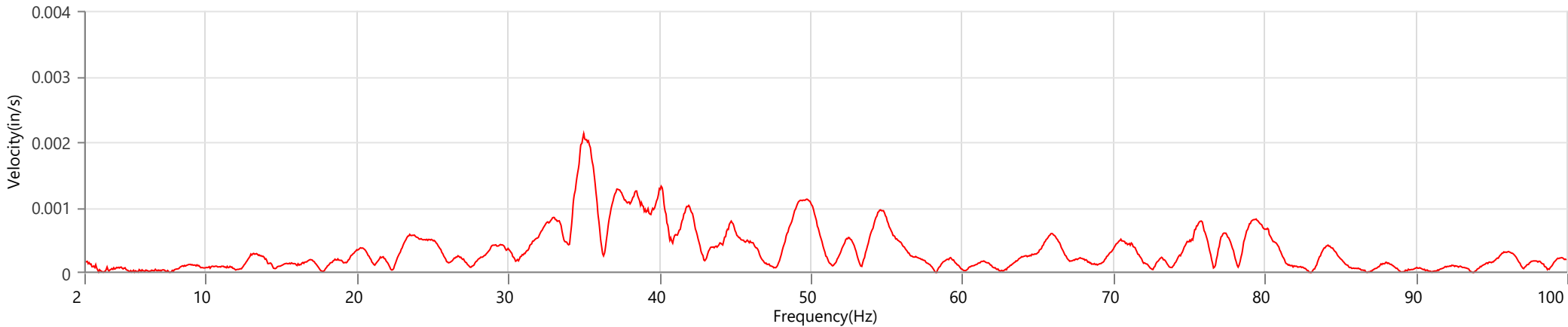


Waveform Trigger Source	Long at September 5, 2025 12:01:15	Serial Number	UM6427
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	2.7 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	March 19, 2025 by Instantel
Sample Rate	4096 sps	Event File Name	UM6427_20250905120115.IDFW
Setup File Name	Spicewood Hwy 71 - Station 2.mmb	USB Sensor Support	Disabled
Operator	Operator		

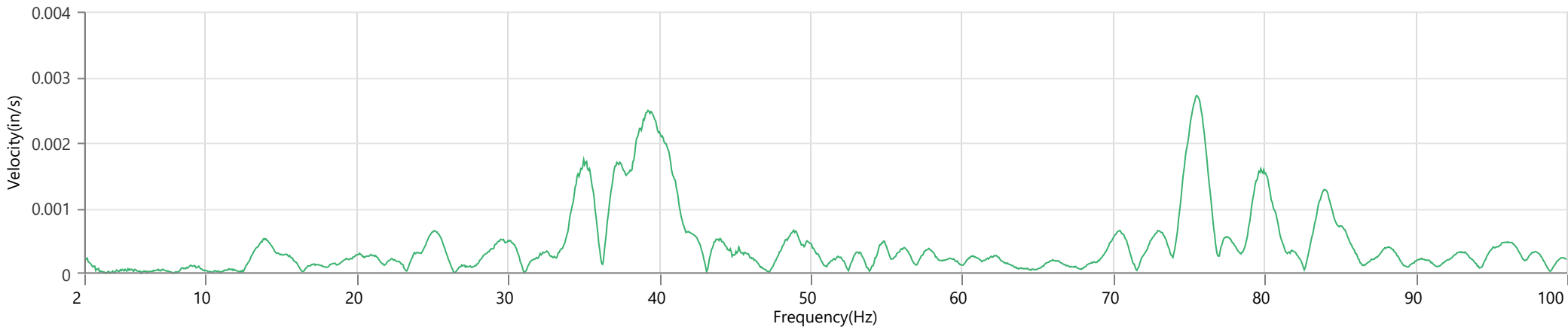
Notes	
Location	Station 2
Client	Spicewood Crushed Stone
Company	Hwy 71
General Notes	IGS, Inc

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

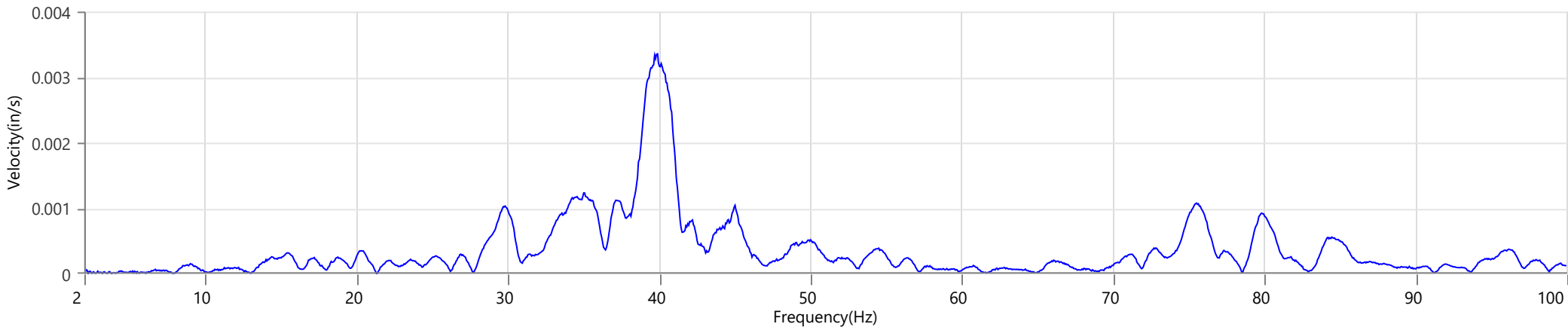
Tran - Dominant Frequency 35.0 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1489 in/s)



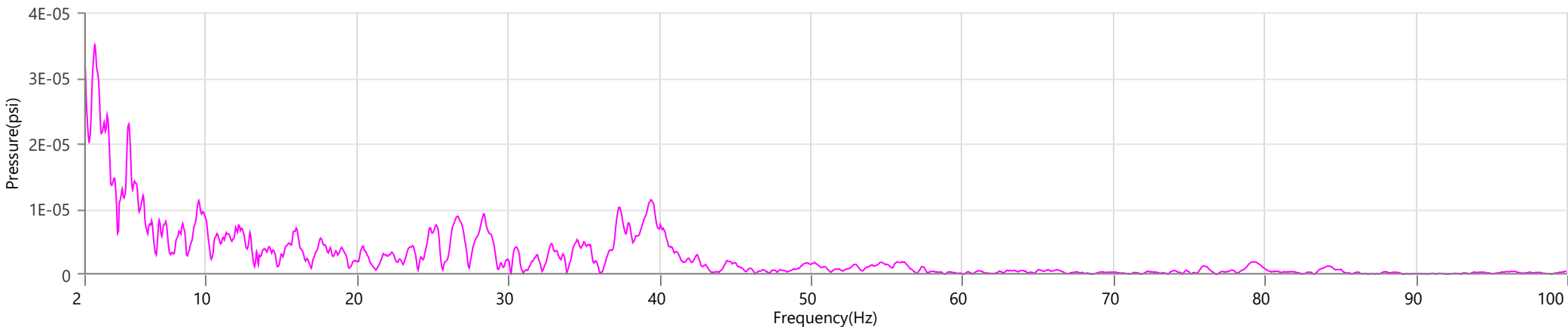
Vert - Dominant Frequency 75.5 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.1579 in/s)



Long - Dominant Frequency 39.9 Hz, Amplitude 0.0034 in/s (Peak Particle Velocity: 0.1303 in/s)



Mic - Dominant Frequency 2.7 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000826 psi)



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

Vert at September 5, 2025 12:01:16
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

UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250905120116.IDFW
Disabled

Notes
Location
Client
Company
General Notes

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

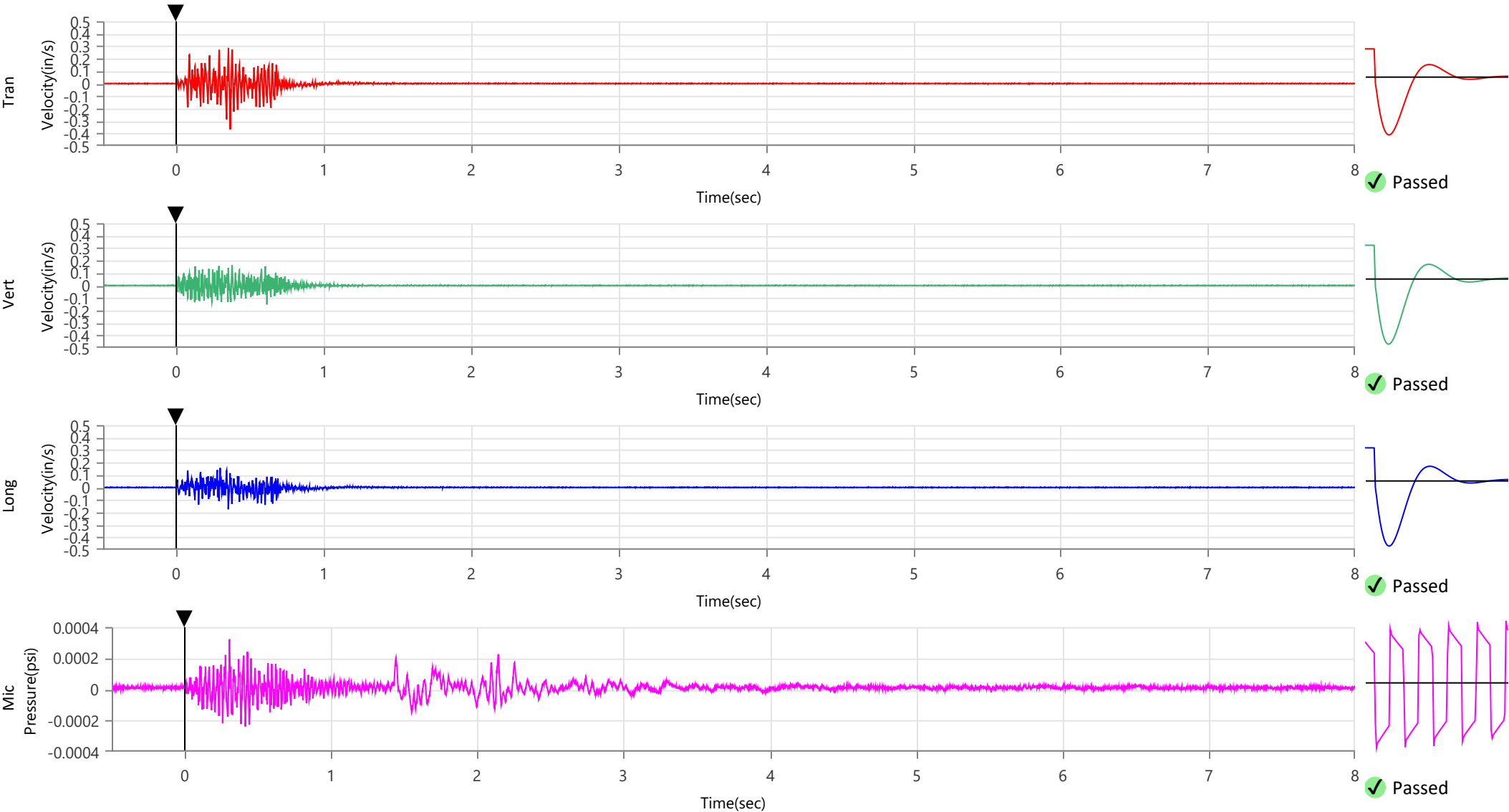
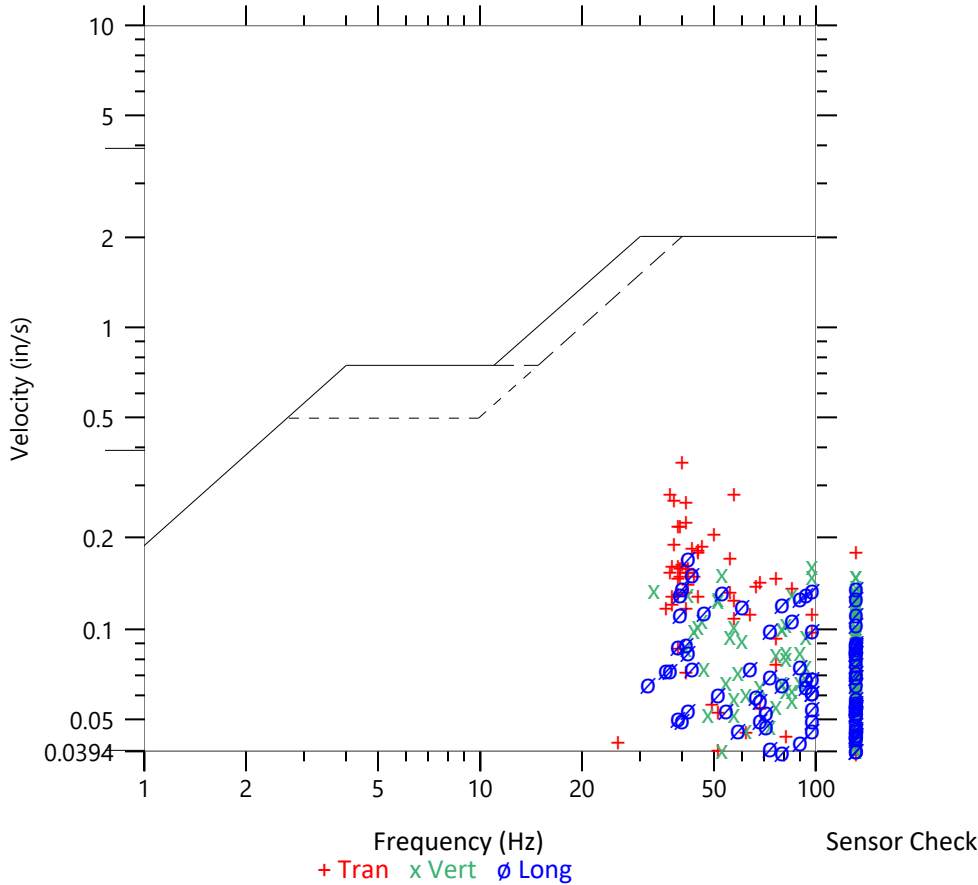
Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.3674 in/s	0.1648 in/s	0.1756 in/s
Zero Crossing Frequency	40.2 Hz	97.5 Hz	41.8 Hz
Time (Relative to Trigger)	0.363 sec	0.376 sec	0.350 sec
Peak Acceleration	0.303 g	0.346 g	0.253 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.3 Hz
Overswing Ratio	4.5	4.4	4.4
Peak Vector Sum	0.3833 in/s at 0.363 sec		

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

0.000322 psi
100.9 dB(L)
0.305 sec
38.6 Hz
✓ Passed
20.5 Hz
1275 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 September 5, 2025 12:01:16
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

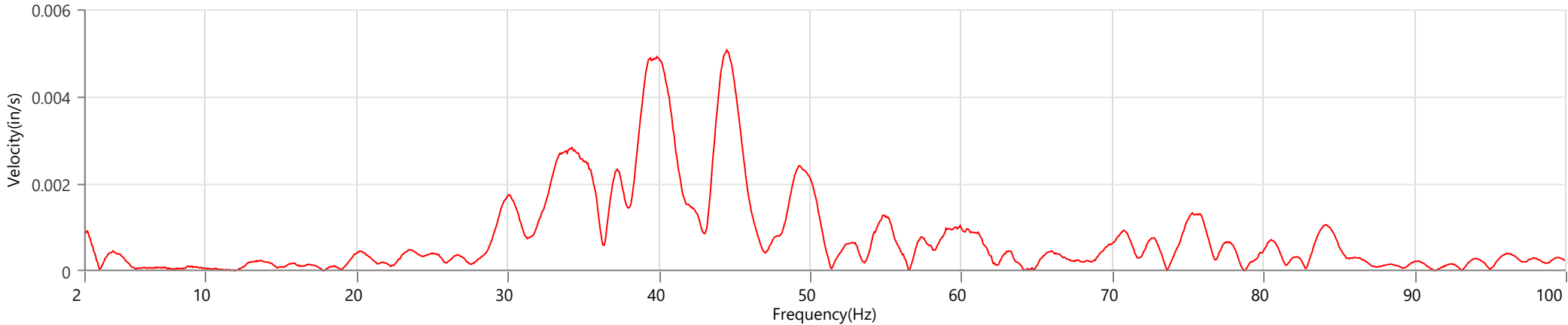
UM20529
Micromate ISEE 11.0AK
3.8 volts
February 14, 2025 by Instantel
UM20529_20250905120116.IDFW
Disabled

Notes
Location
Client
Company
General Notes

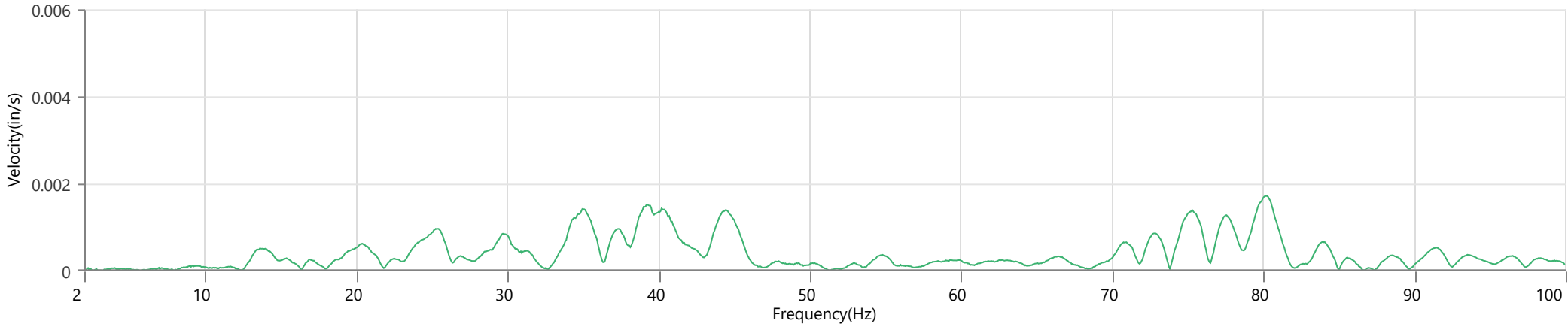
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

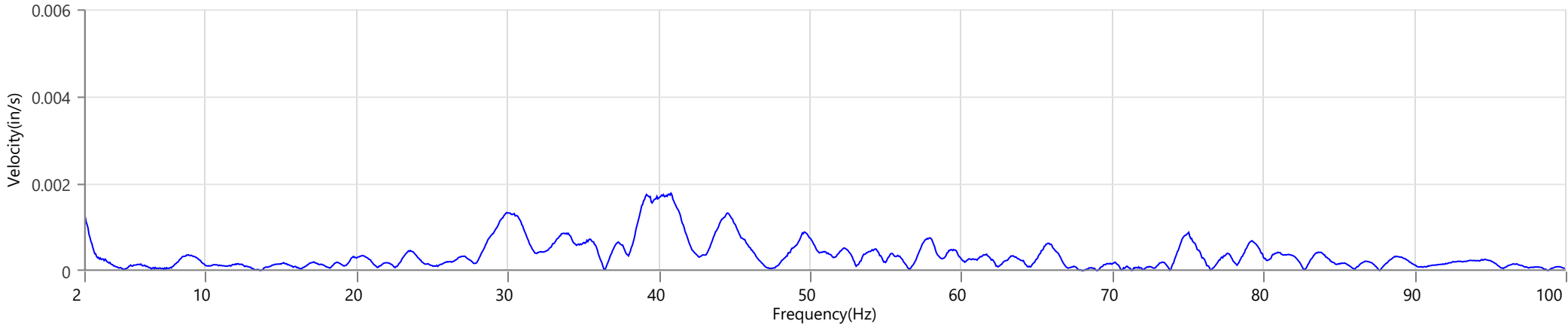
Tran - Dominant Frequency 44.5 Hz, Amplitude 0.0051 in/s (Peak Particle Velocity: 0.3674 in/s)



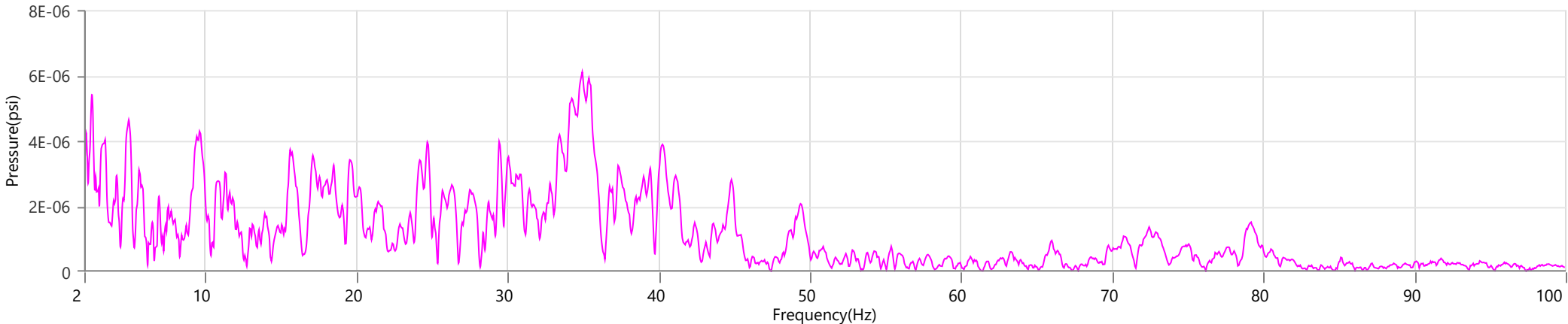
Vert - Dominant Frequency 80.2 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.1648 in/s)



Long - Dominant Frequency 40.8 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.1756 in/s)



Mic - Dominant Frequency 34.9 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000322 psi)



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

Vert at September 5, 2025 12:01:15
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_20250905120115.IDFW
Disabled

Notes
Location
Client
Company
General Notes

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

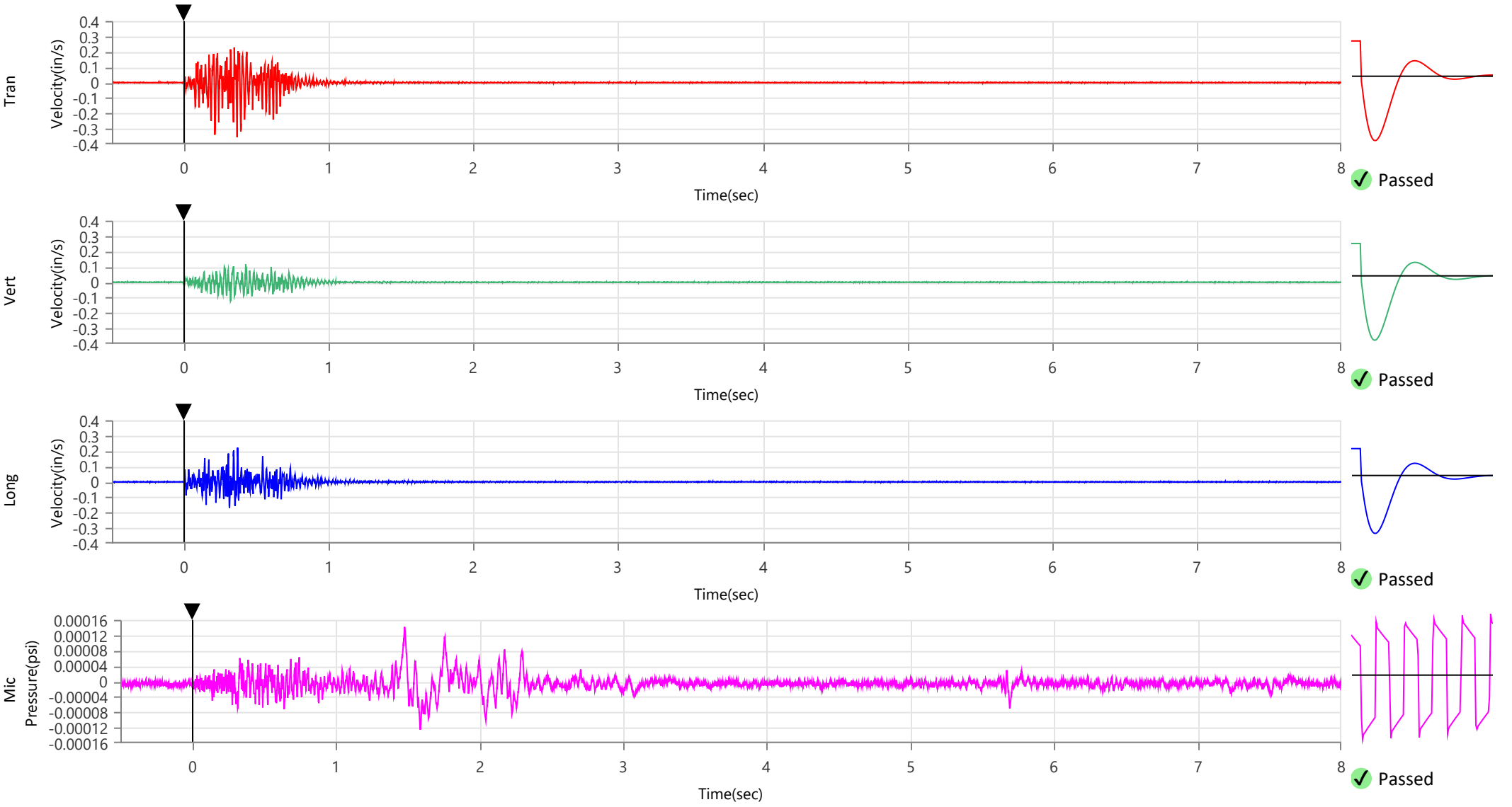
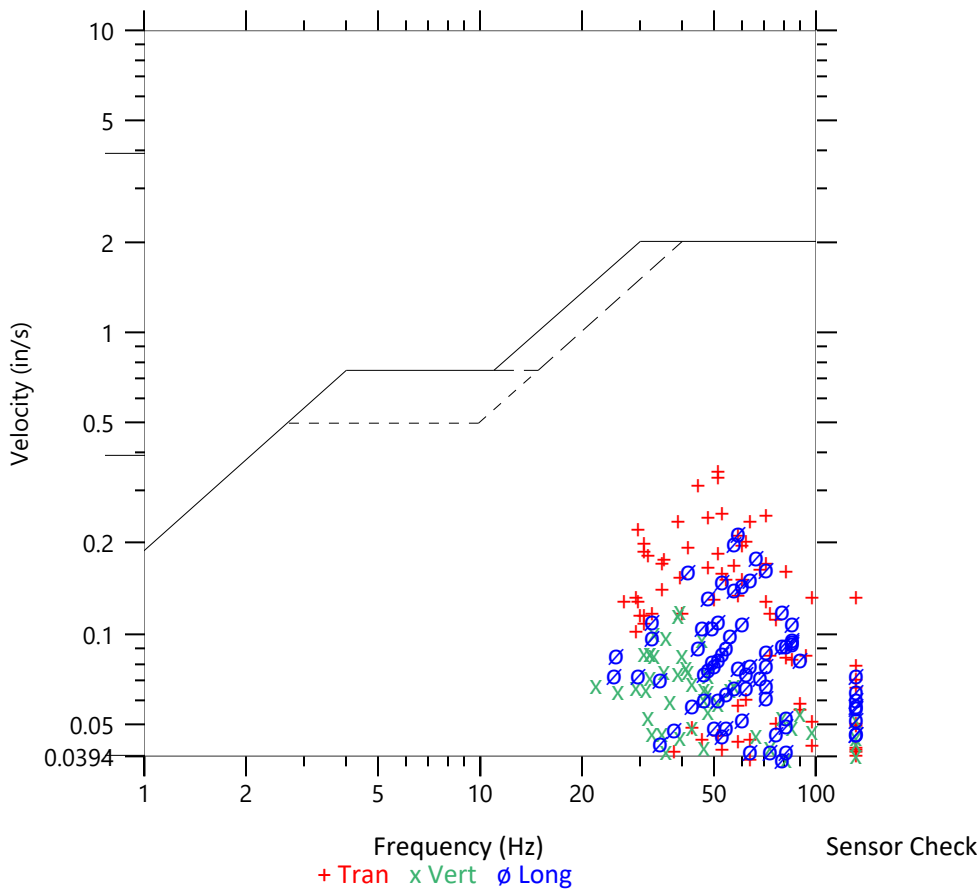
Extended Note N30.49821 W98.21578
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.3544 in/s	0.1210 in/s	0.2222 in/s
Zero Crossing Frequency	51.2 Hz	39.4 Hz	58.5 Hz
Time (Relative to Trigger)	0.366 sec	0.321 sec	0.370 sec
Peak Acceleration	0.369 g	0.161 g	0.227 g
Peak Displacement	0.001 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	4.1	4.7	4.7
Peak Vector Sum	0.3622 in/s at 0.366 sec		

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

0.000142 psi
93.8 dB(L)
1.479 sec
8.3 Hz
✓ Passed
20.5 Hz
1285 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 September 5, 2025 12:01:15
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

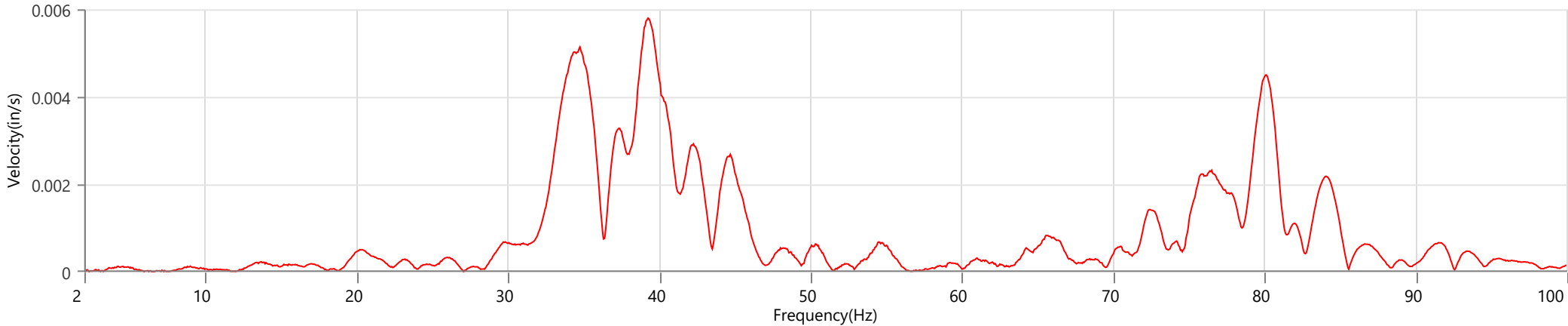
UM22233
Micromate ISEE 11.0AK
3.8 volts
February 20, 2025 by Instantel
UM22233_20250905120115.IDFW
Disabled

Notes
Location
Client
Company
General Notes

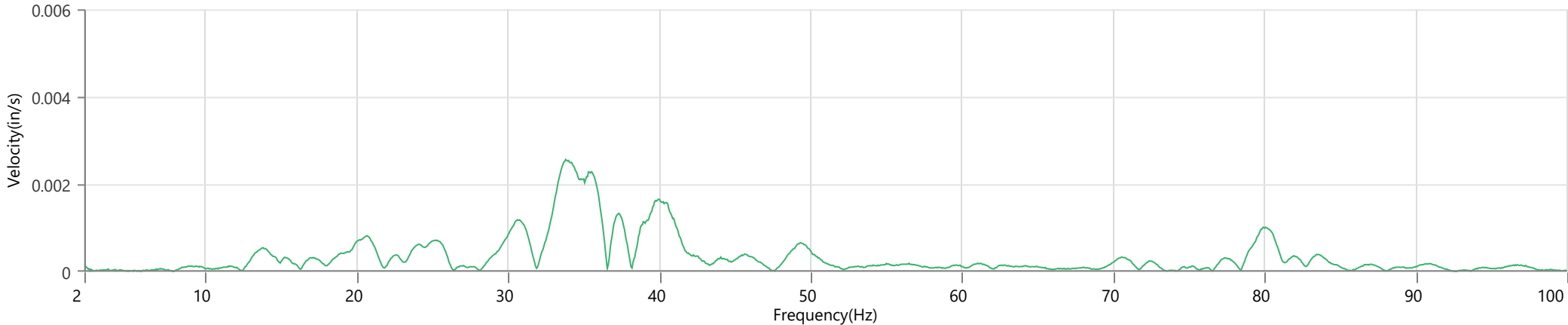
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

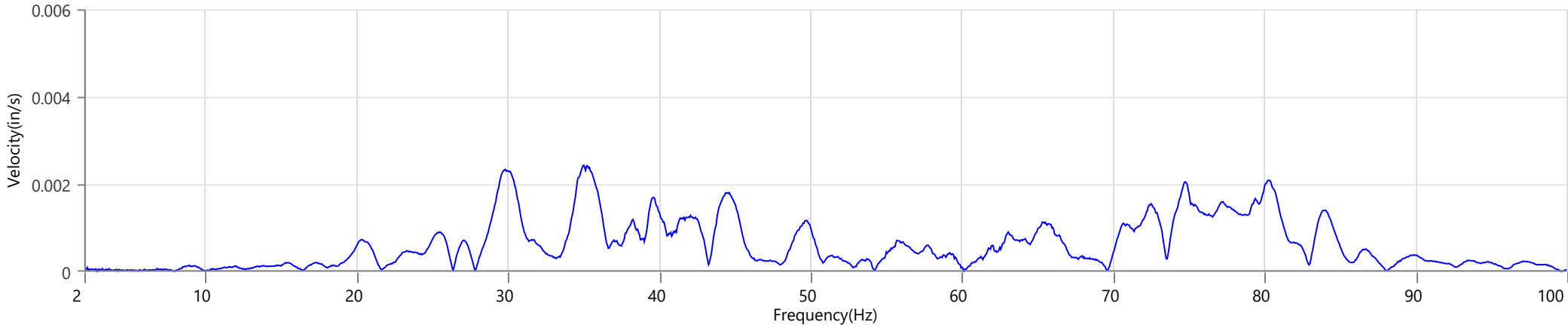
Tran - Dominant Frequency 39.2 Hz, Amplitude 0.0058 in/s (Peak Particle Velocity: 0.3544 in/s)



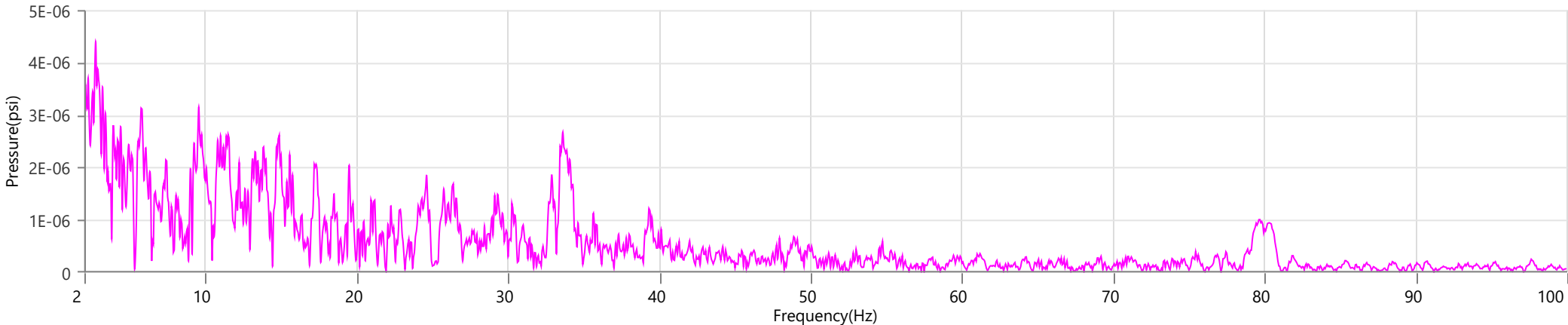
Vert - Dominant Frequency 33.8 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1210 in/s)



Long - Dominant Frequency 35.0 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.2222 in/s)



Mic - Dominant Frequency 2.8 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000142 psi)



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

Vert at September 5, 2025 12:01:16
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

UM9228
Micromate ISEE 11.0AK
3.8 volts
April 24, 2025 by Instantel
UM9228_20250905120116.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

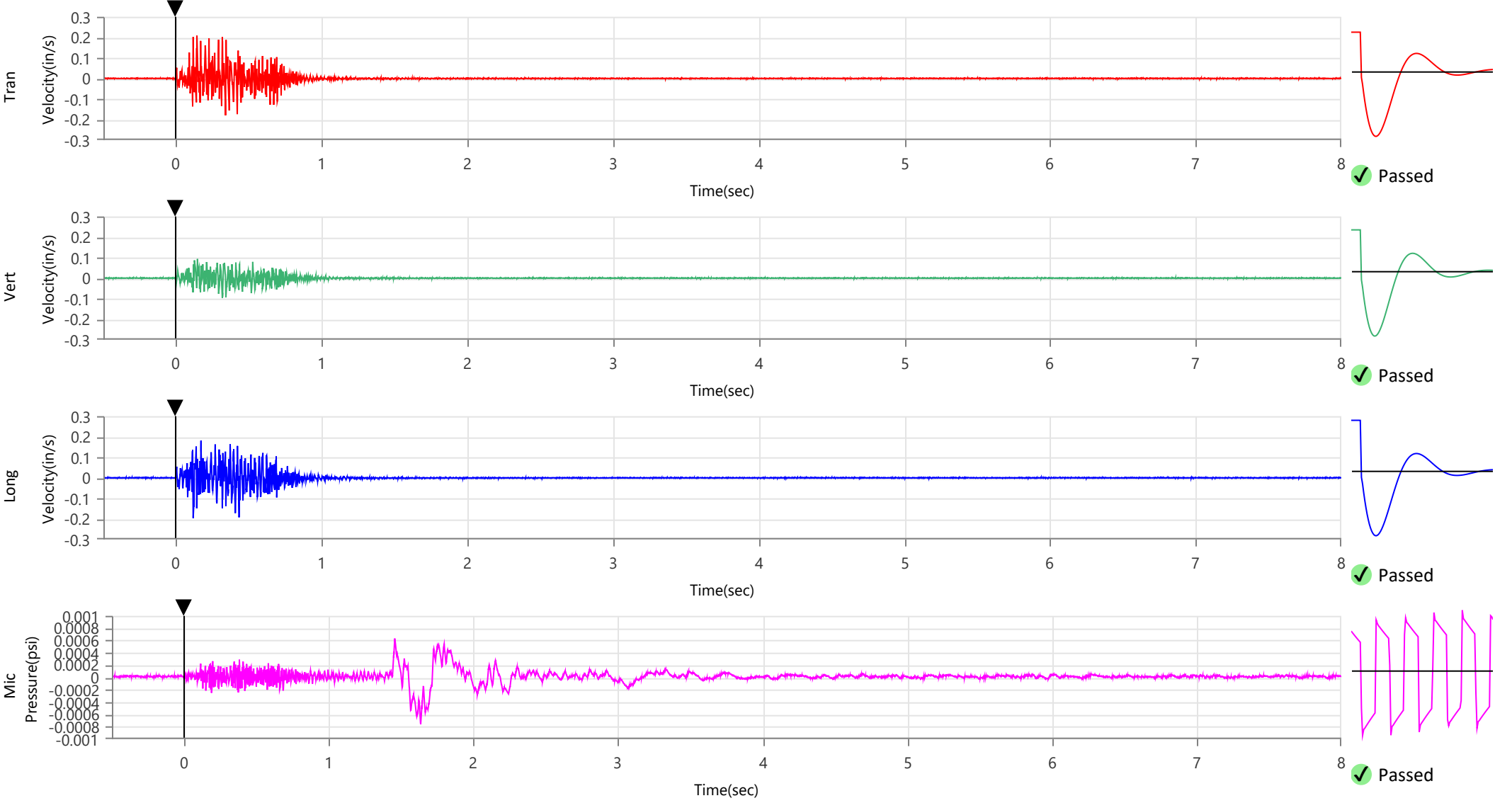
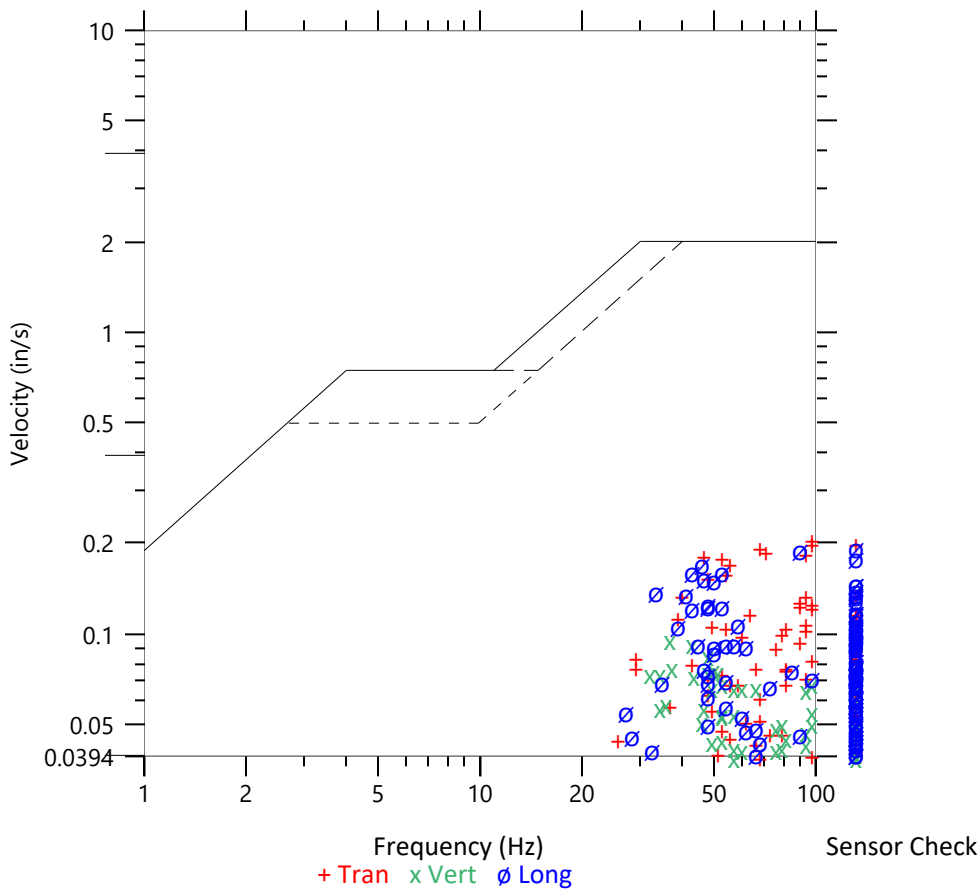
Tran	Vert	Long
0.2076 in/s	0.0965 in/s	0.1961 in/s
97.5 Hz	37.2 Hz	>100 Hz
0.143 sec	0.317 sec	0.116 sec
0.372 g	0.155 g	0.372 g
0.000 in	0.000 in	0.000 in
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.7 Hz	7.3 Hz
3.4	3.5	3.6

Peak Vector Sum 0.2757 in/s at 0.117 sec

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

0.000761 psi
108.4 dB(L)
1.636 sec
3.1 Hz
✓ Passed
19.7 Hz
1260 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 September 5, 2025 12:01:16
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

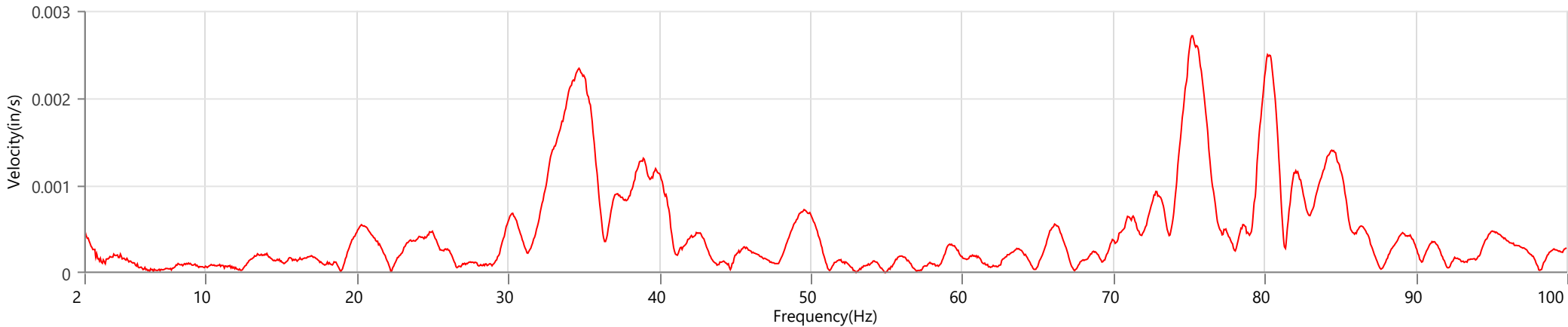
UM9228
Micromate ISEE 11.0AK
3.8 volts
April 24, 2025 by Instantel
UM9228_20250905120116.IDFW
Disabled

Notes
Location
Client
Company
General Notes

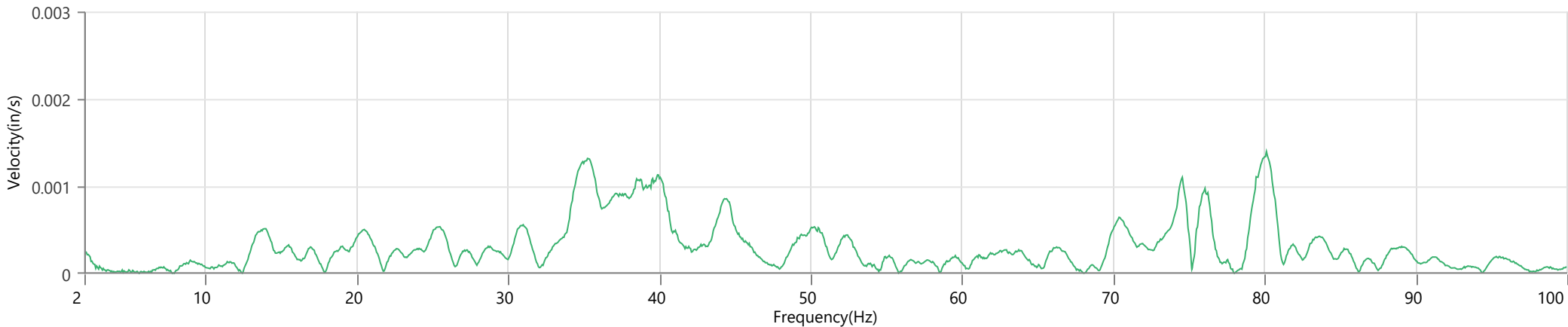
Station 5
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

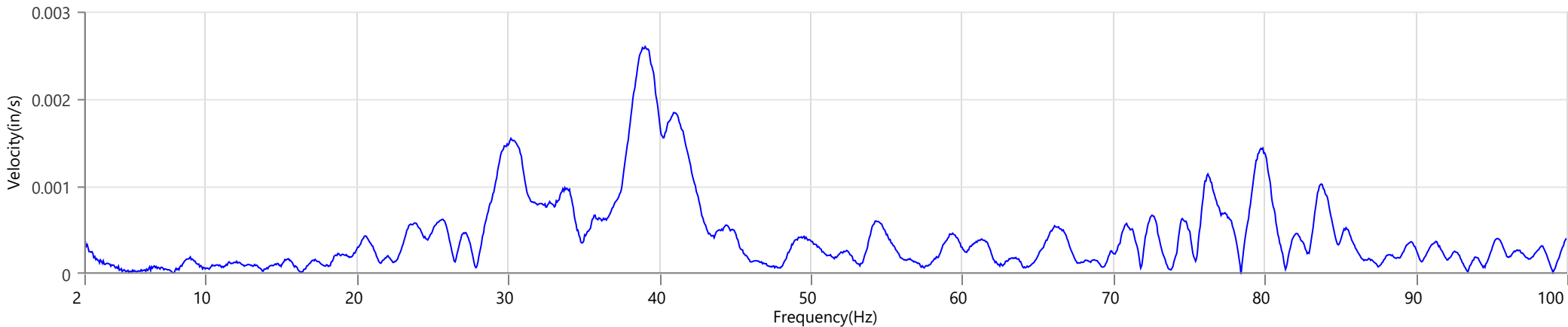
Tran - Dominant Frequency 75.2 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.2076 in/s)



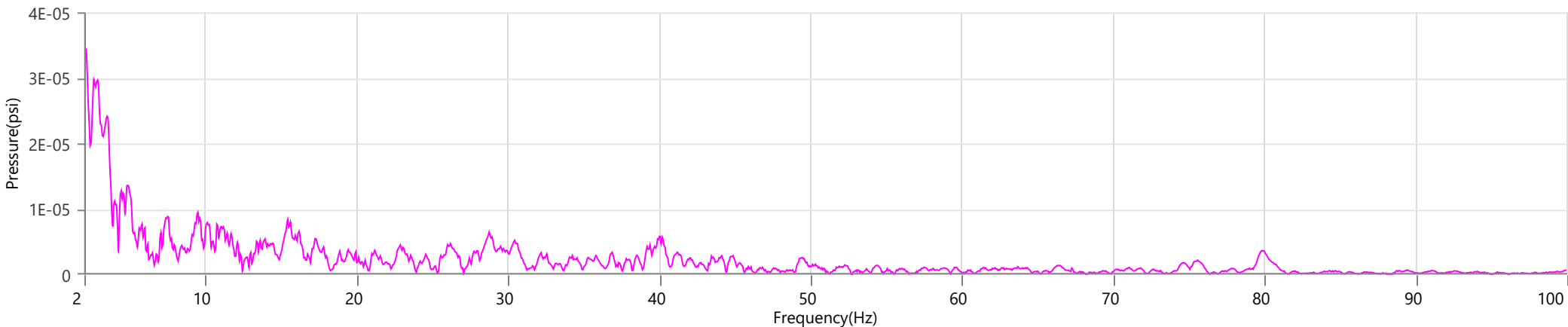
Vert - Dominant Frequency 80.1 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.0965 in/s)



Long - Dominant Frequency 39.1 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1961 in/s)



Mic - Dominant Frequency 2.1 Hz, Amplitude 0.00003 psi (Peak Sound Pressure Level: 0.000761 psi)



Waveform Trigger Source Long at September 5, 2025 12:01:15
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 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_20250905120115.IDFW
USB Sensor Support Disabled

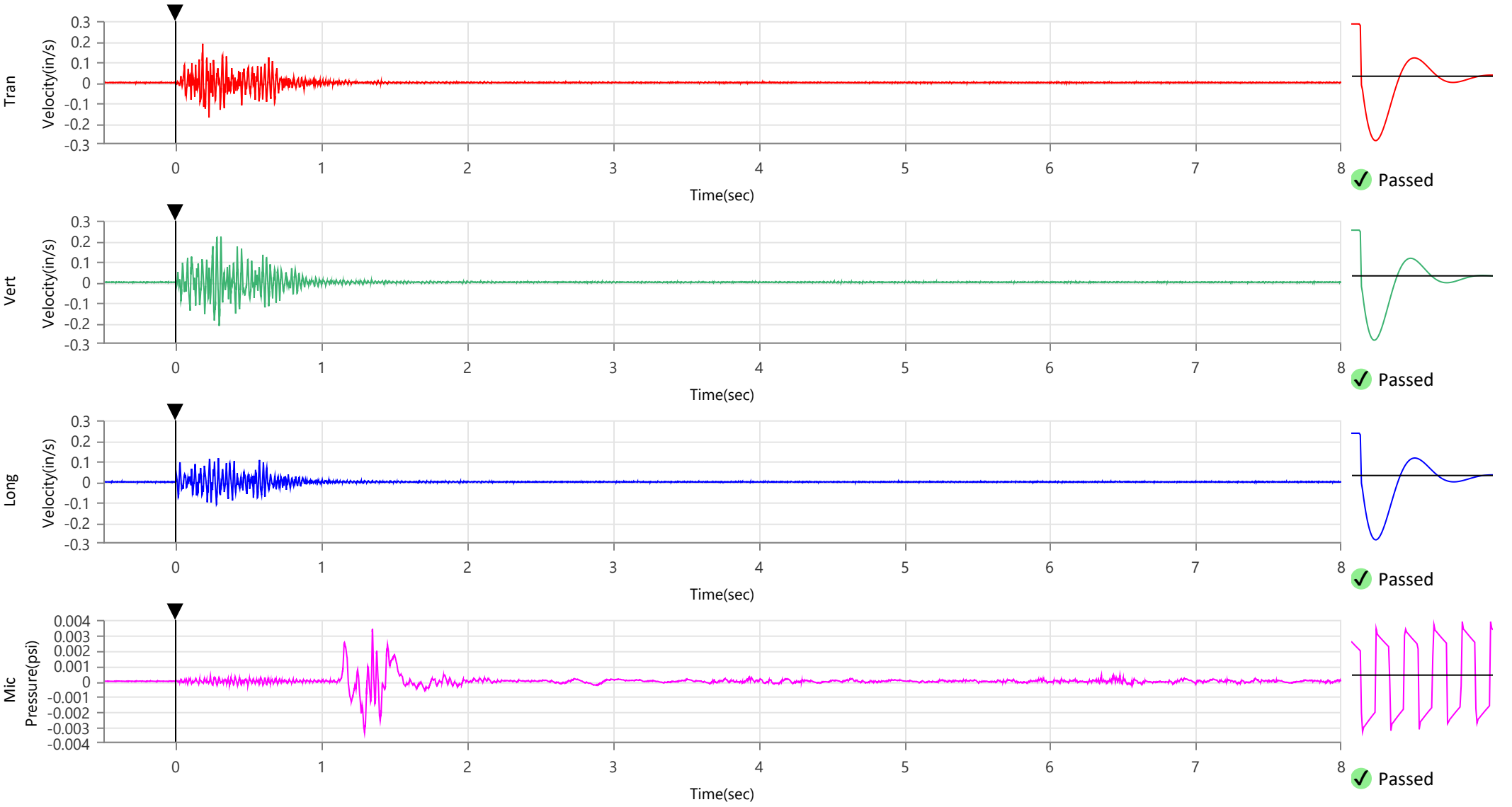
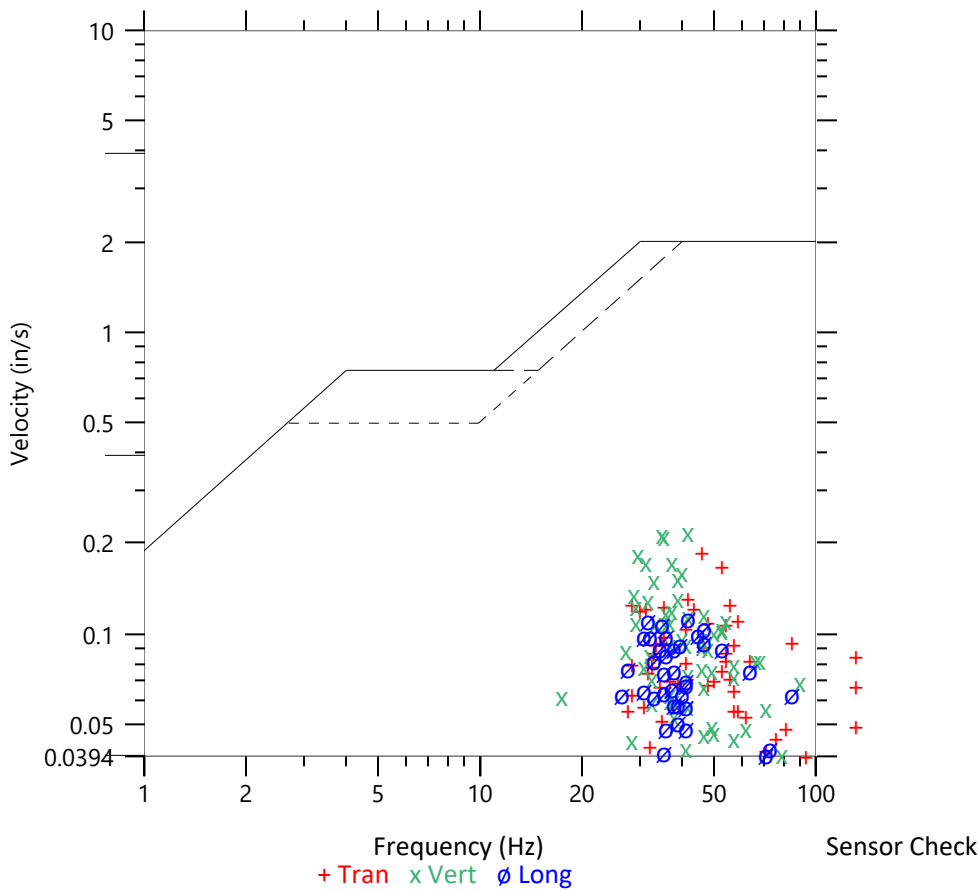
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1893 in/s	0.2222 in/s	0.1154 in/s
Zero Crossing Frequency	45.5 Hz	41.8 Hz	41.8 Hz
Time (Relative to Trigger)	0.183 sec	0.307 sec	0.291 sec
Peak Acceleration	0.220 g	0.161 g	0.112 g
Peak Displacement	0.001 in	0.001 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.9 Hz	7.3 Hz
Overswing Ratio	3.5	3.6	3.6
Peak Vector Sum	0.2322 in/s at 0.307 sec		

ISEE Linear Microphone	0.003414 psi
Peak Sound Pressure Level	121.4 dB(L)
Time (Relative to Trigger)	1.349 sec
Zero Crossing Frequency	29.7 Hz
Sensor Check	✓ Passed
Frequency	20.5 Hz
Test Amplitude	1333 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



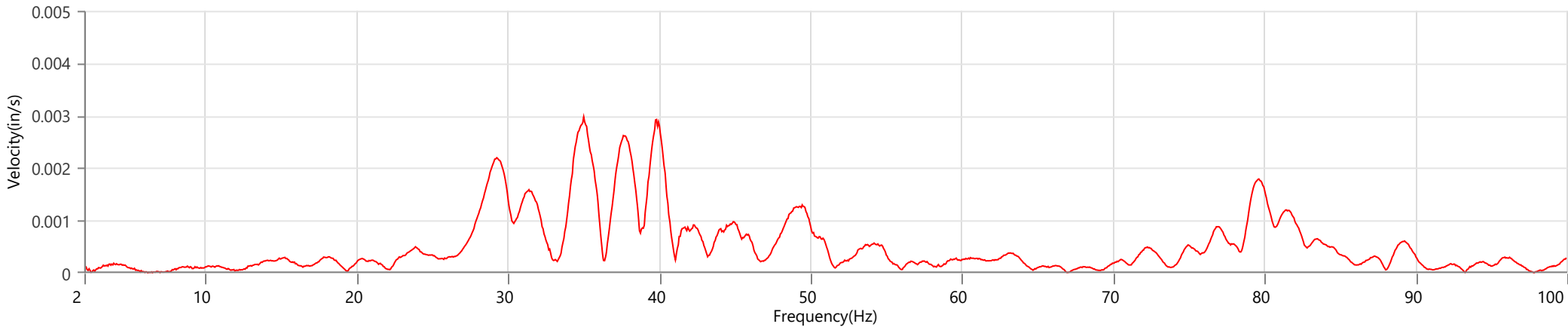
Waveform Trigger Source Long at September 5, 2025 12:01:15
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 6.mmb
Operator Operator

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_20250905120115.IDFW
USB Sensor Support Disabled

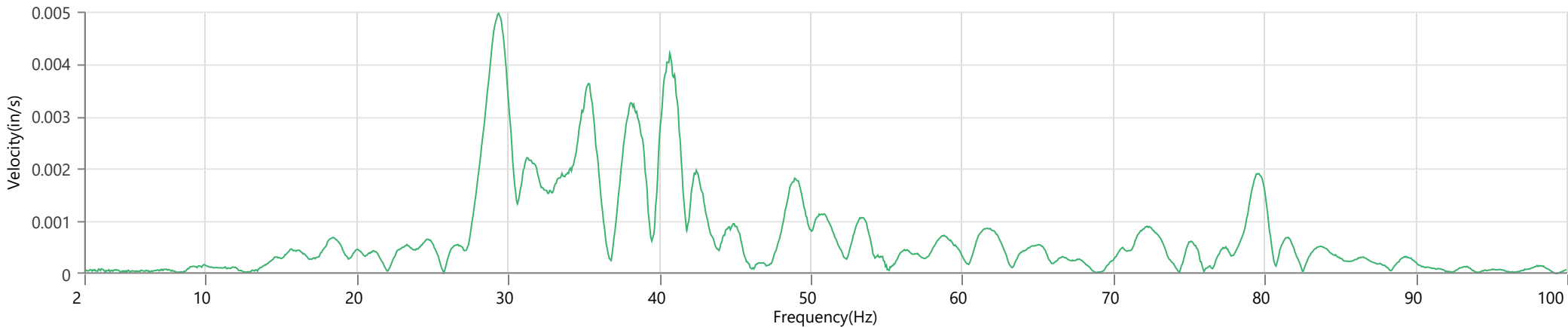
Notes
Location Station 6
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

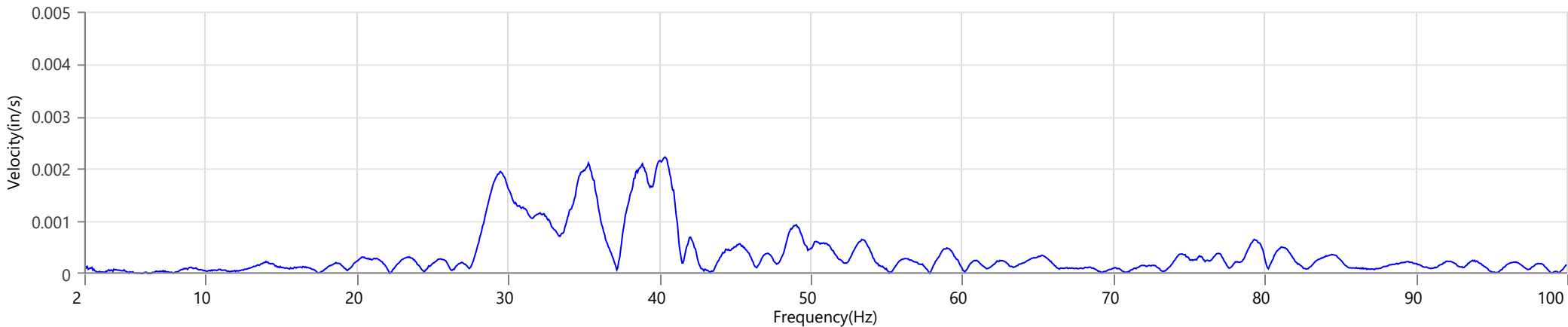
Tran - Dominant Frequency 35.0 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1893 in/s)



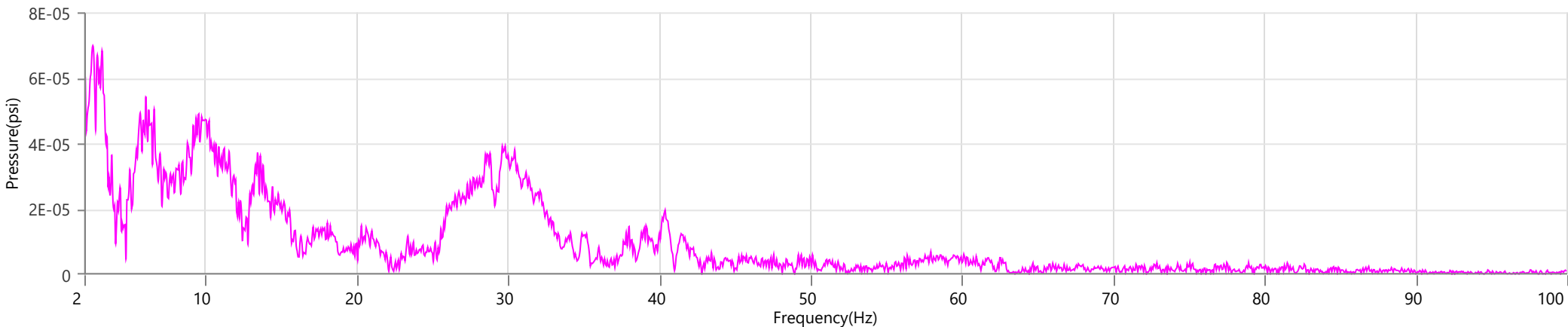
Vert - Dominant Frequency 29.4 Hz, Amplitude 0.0050 in/s (Peak Particle Velocity: 0.2222 in/s)



Long - Dominant Frequency 40.4 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1154 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00007 psi (Peak Sound Pressure Level: 0.003414 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 5, 2025 00:00:05

September 5, 2025 23:29:59

1409.91/60 sec

4096 sps

Spicewood Hwy 71 - Noise 2.mmb

Operator

Serial Number

Model Number

Battery Level

Unit Calibration

Microphone Calibration

Event File Name

USB Sensor Support

UM21408

Micromate ISEE 11.0AK

3.8 volts

May 22, 2025 by Instantel

UA10767, February 18, 2025 by Instantel

UM21408_20250905000005.IDFH

Disabled

Notes

Location

Client

Company

General Notes

Noise 2

Spicewood Crushed Stone

Hwy 71 Quarry

IGS, Inc.

Extended Note

Post Event Notes

Station 5N30.49911 W98.21538

No text to be displayed.

Sound Level Microphone

LMax

Date

Time

Sound(dB(A))

Sensor Check

Test Amplitude

A-Weight Slow

69.9 dB(A)

Sep 5, 2025

09:20:05

LMin

L10

L90

Leq

33.7

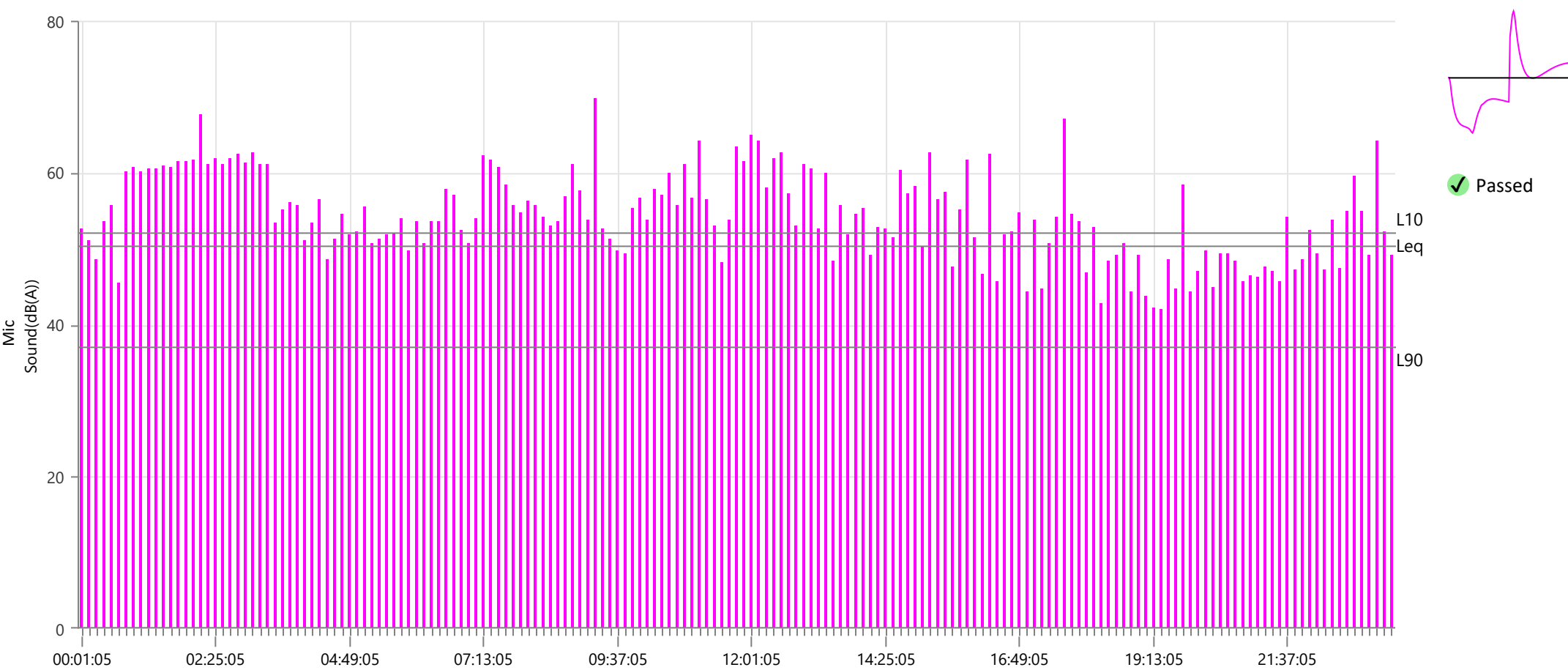
52

37

50.4

✓ Passed

1104 mv





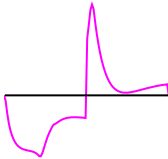
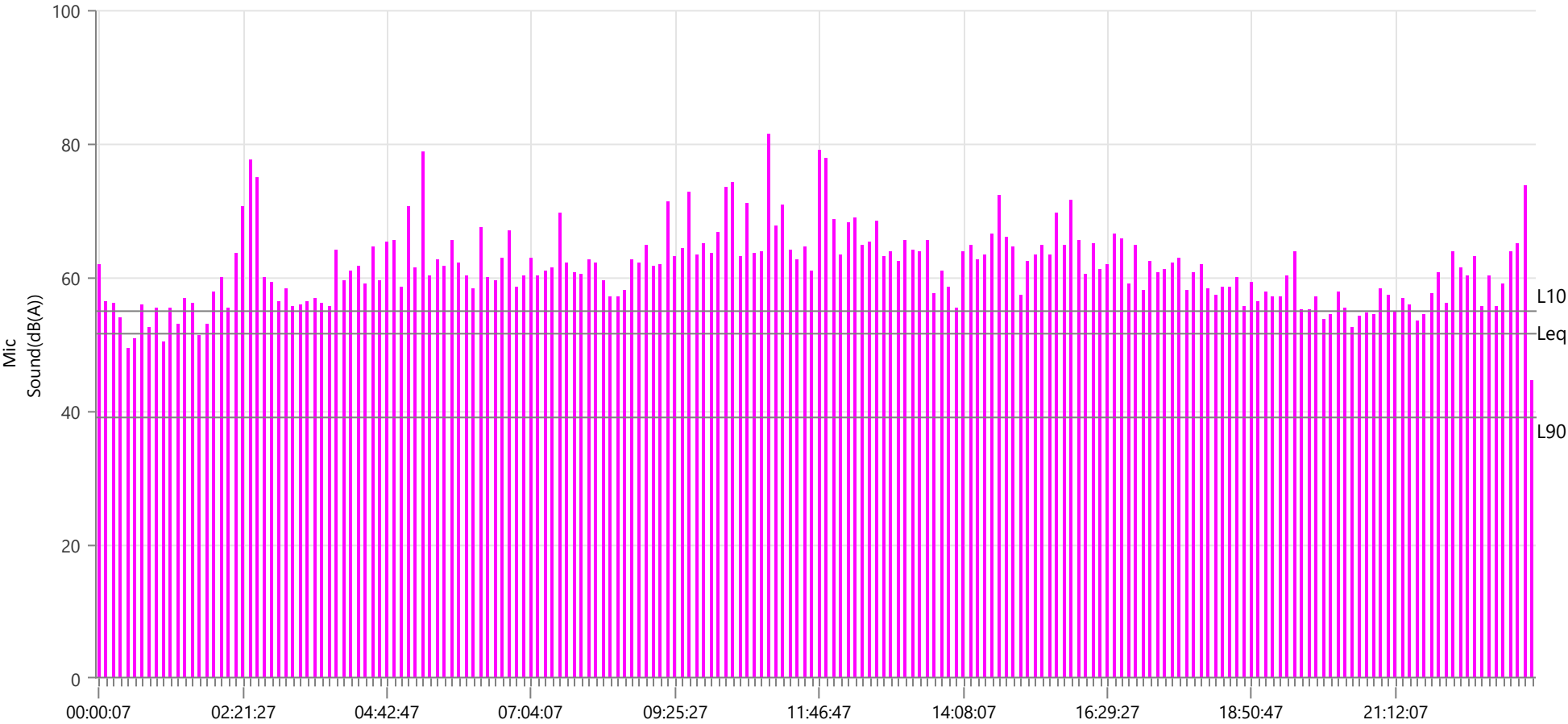
Start September 5, 2025 00:00:05
Finish September 5, 2025 23:29:59
Number of Intervals/Interval 42297.25/2 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

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_20250905000005.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.

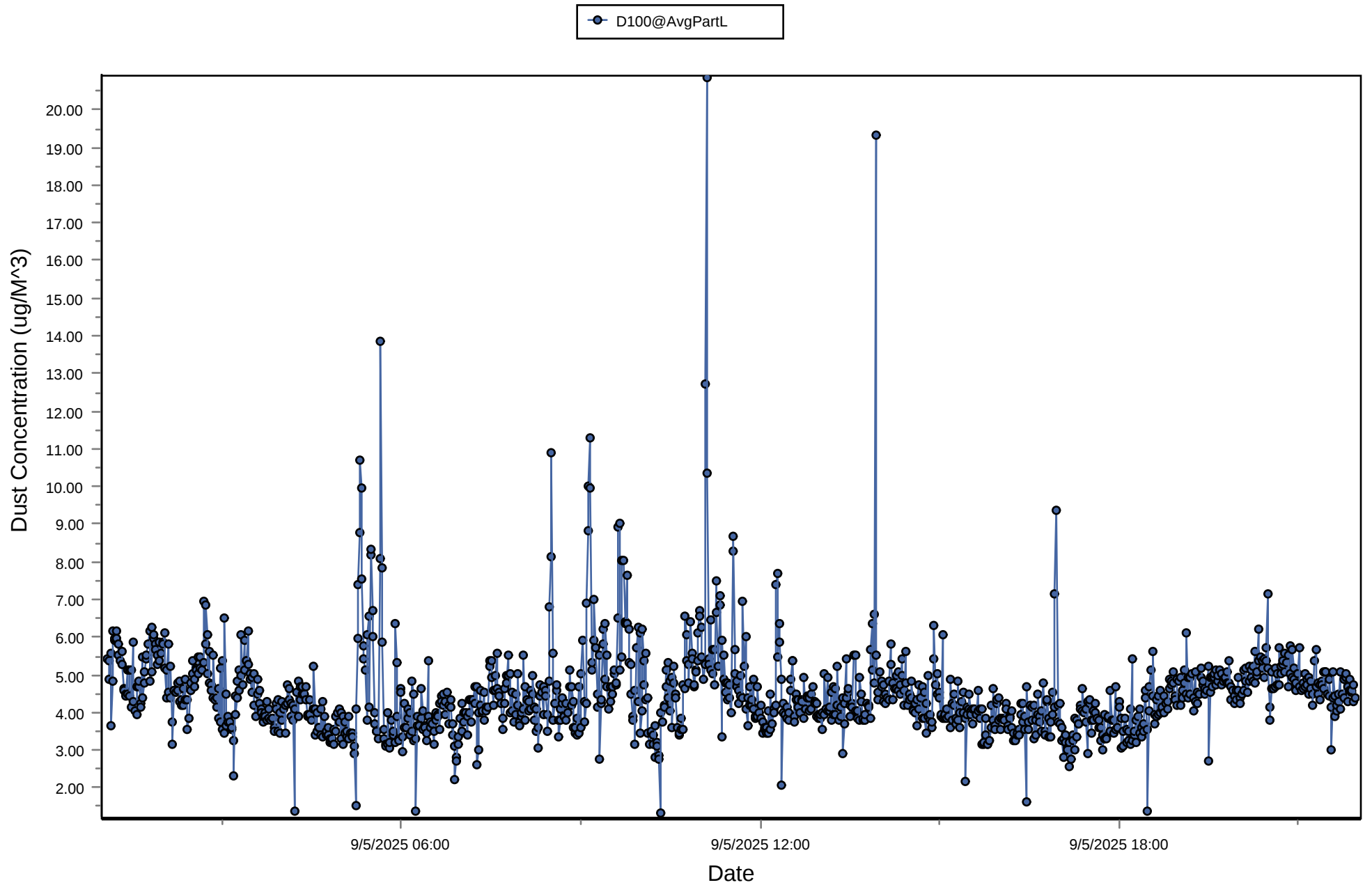
Sound Level Microphone
LMax 81.5 dB(A)
Date Sep 5, 2025
Time 10:58:51
Sound(dB(A)) LMin 35.3 L10 55 L90 39 Leq 51.6
Sensor Check Passed
Test Amplitude 950 mv



Passed

Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

