

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

Long at July 31, 2025 09:51:51  
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 2.mmb  
Operator

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

UM6427  
Micromate ISEE 11.0AK  
3.8 volts  
March 19, 2025 by Instantel  
UM6427\_20250731095151.IDFW  
Disabled

Notes  
Location  
Client  
Company  
General Notes

Station 2  
Spicewood Crushed Stone  
Hwy 71  
IGS, Inc

Extended Note N30.49650 W21572  
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

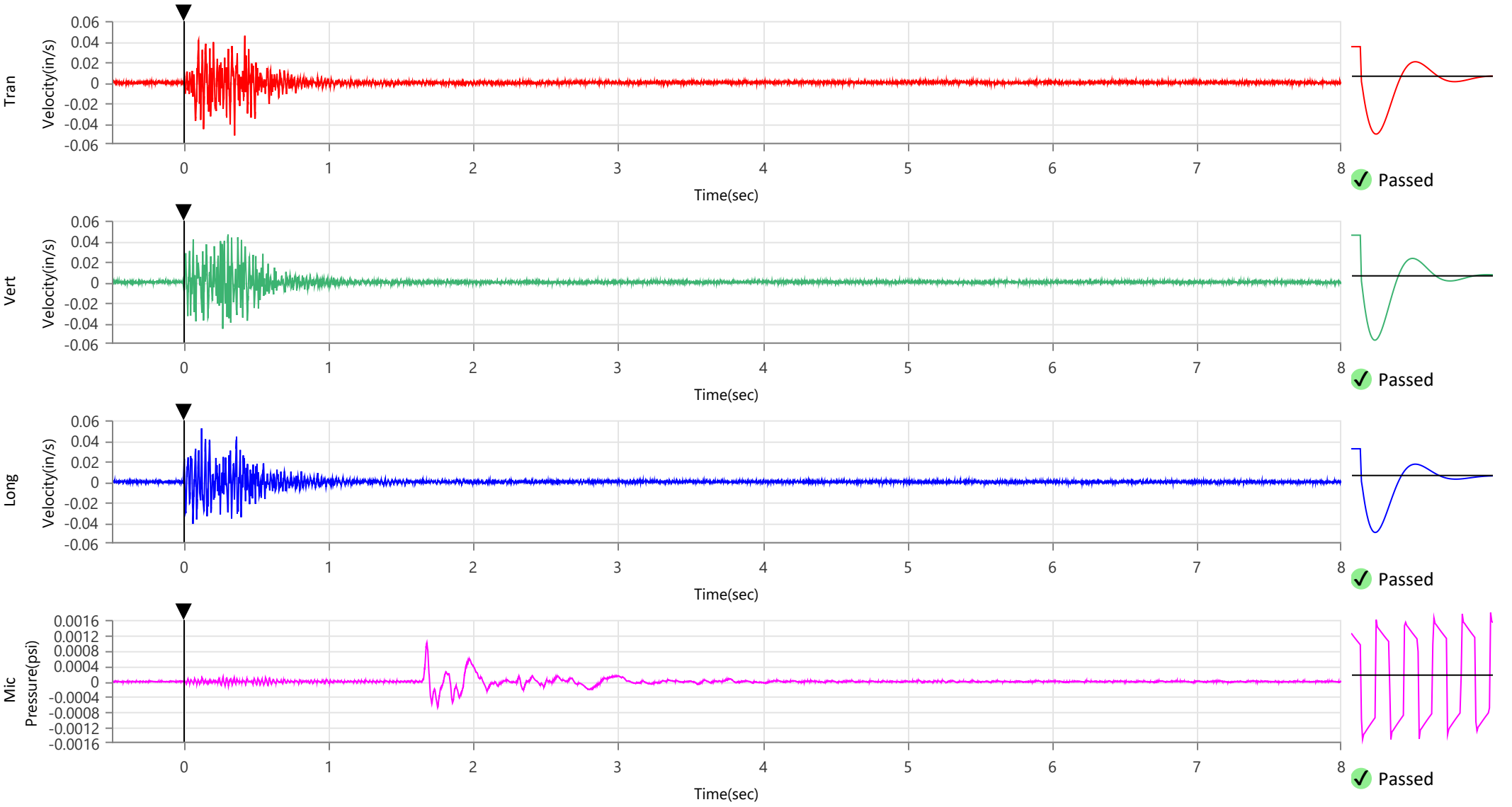
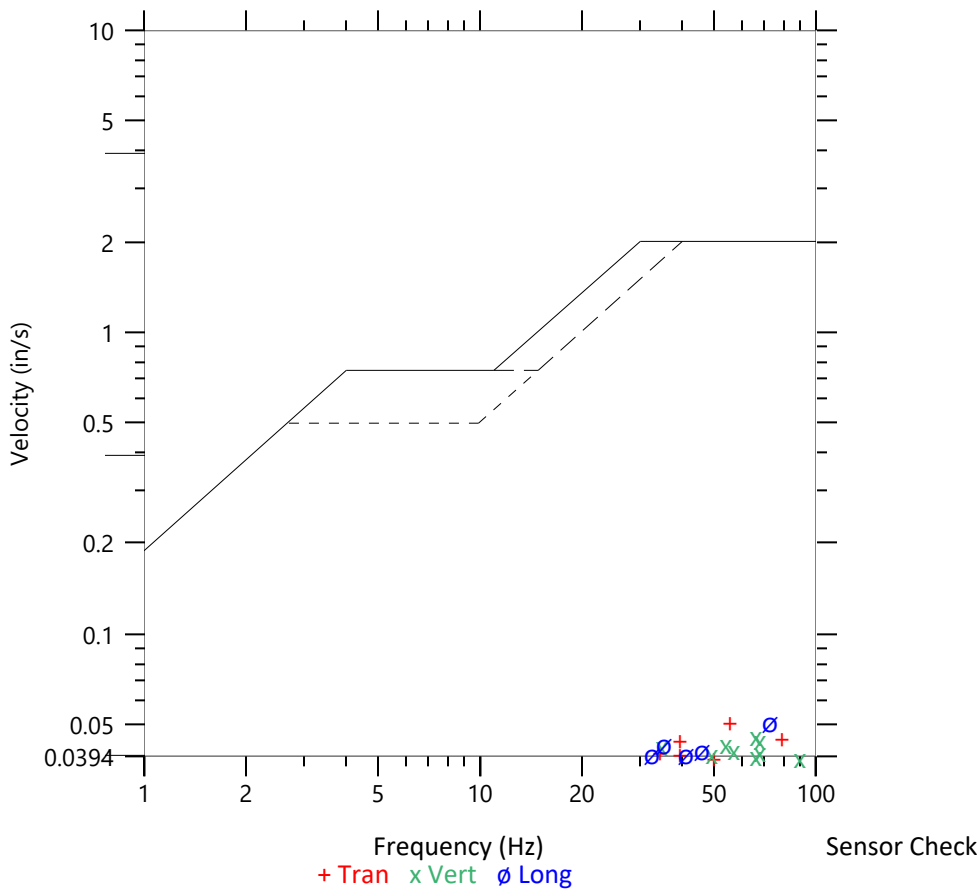
| Tran        | Vert        | Long        |
|-------------|-------------|-------------|
| 0.0515 in/s | 0.0465 in/s | 0.0521 in/s |
| 55.4 Hz     | 66.1 Hz     | 73.1 Hz     |
| 0.348 sec   | 0.303 sec   | 0.121 sec   |
| 0.066 g     | 0.072 g     | 0.072 g     |
| 0.000 in    | 0.000 in    | 0.000 in    |
| ✓ Passed    | ✓ Passed    | ✓ Passed    |
| 7.3 Hz      | 7.7 Hz      | 7.1 Hz      |
| 3.9         | 3.6         | 5.0         |

Peak Vector Sum 0.0617 in/s at 0.134 sec

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

0.001010 psi  
110.8 dB(L)  
1.678 sec  
9.8 Hz  
✓ Passed  
20.5 Hz  
1300 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



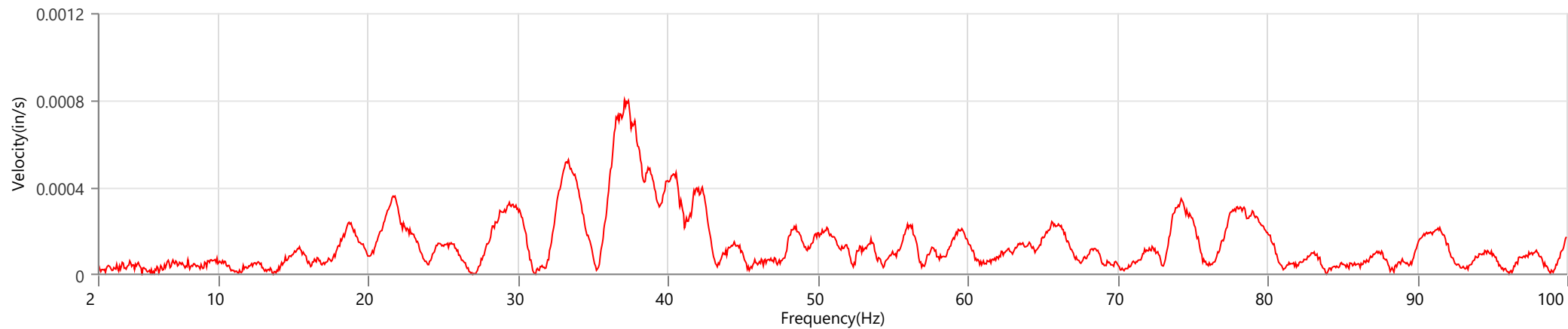
**Waveform Trigger Source** Long at July 31, 2025 09:51:51  
**Trigger Level(s)** Geo 0.0200 in/s  
**Trigger Level (Mic)** Mic 0.01029 psi, 131 dB(L)  
**Pre-Trigger/Record Time** 0.50 sec/8.0 sec (Fixed)  
**Sample Rate** 4096 sps  
**Setup File Name** Spicewood Hwy 71 - Station 2.mmb  
**Operator** 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\_20250731095151.IDFW  
**USB Sensor Support** Disabled

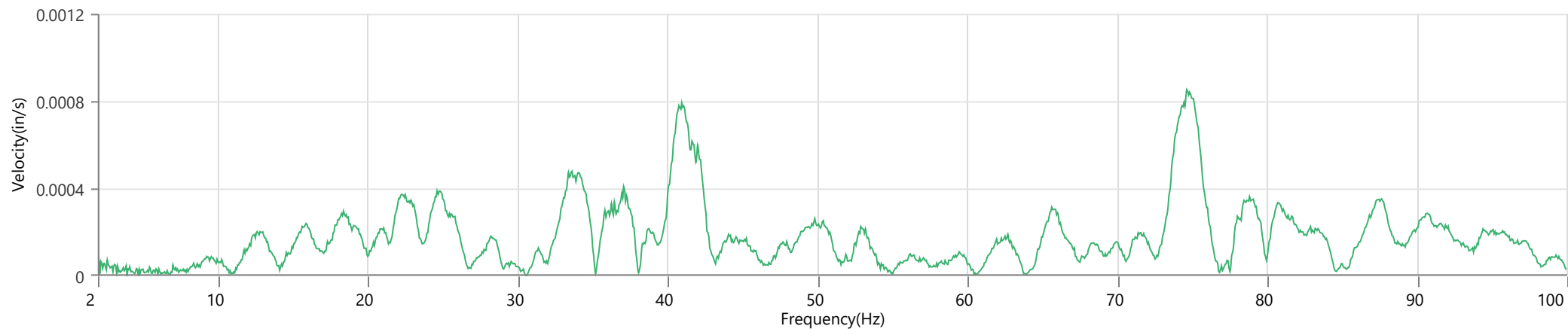
**Notes**  
Location Station 2  
Client Spicewood Crushed Stone  
Company Hwy 71  
General Notes IGS, Inc

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

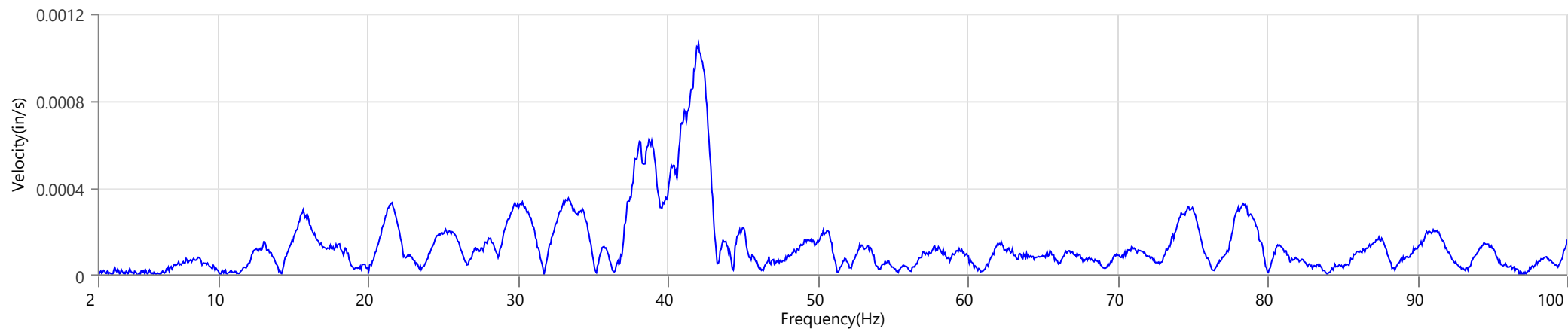
**Tran - Dominant Frequency 37.1 Hz, Amplitude 0.0008 in/s (Peak Particle Velocity: 0.0515 in/s)**



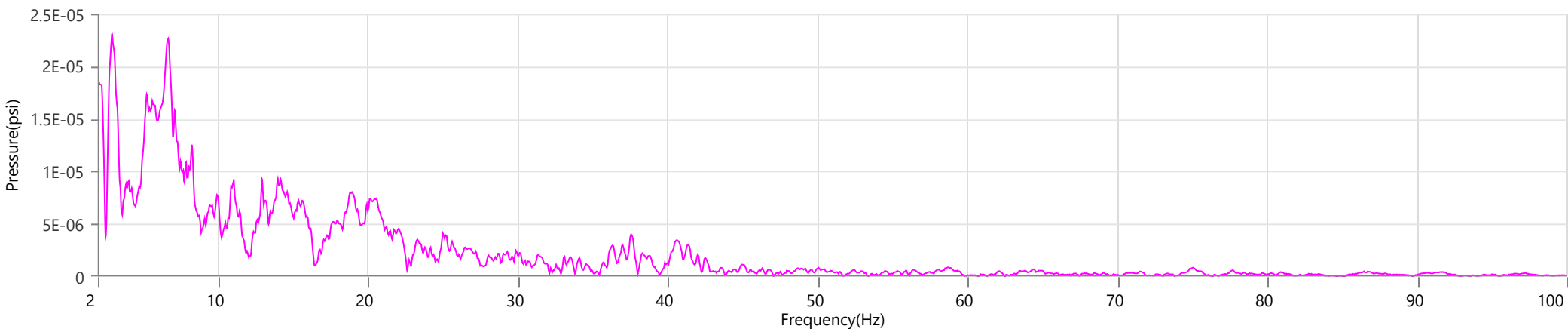
**Vert - Dominant Frequency 74.6 Hz, Amplitude 0.0009 in/s (Peak Particle Velocity: 0.0465 in/s)**



**Long - Dominant Frequency 42.1 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0521 in/s)**



**Mic - Dominant Frequency 2.9 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.001010 psi)**



Waveform Trigger Source Long at July 31, 2025 09:51:51  
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\_20250731095151.IDFW  
USB Sensor Support Disabled

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

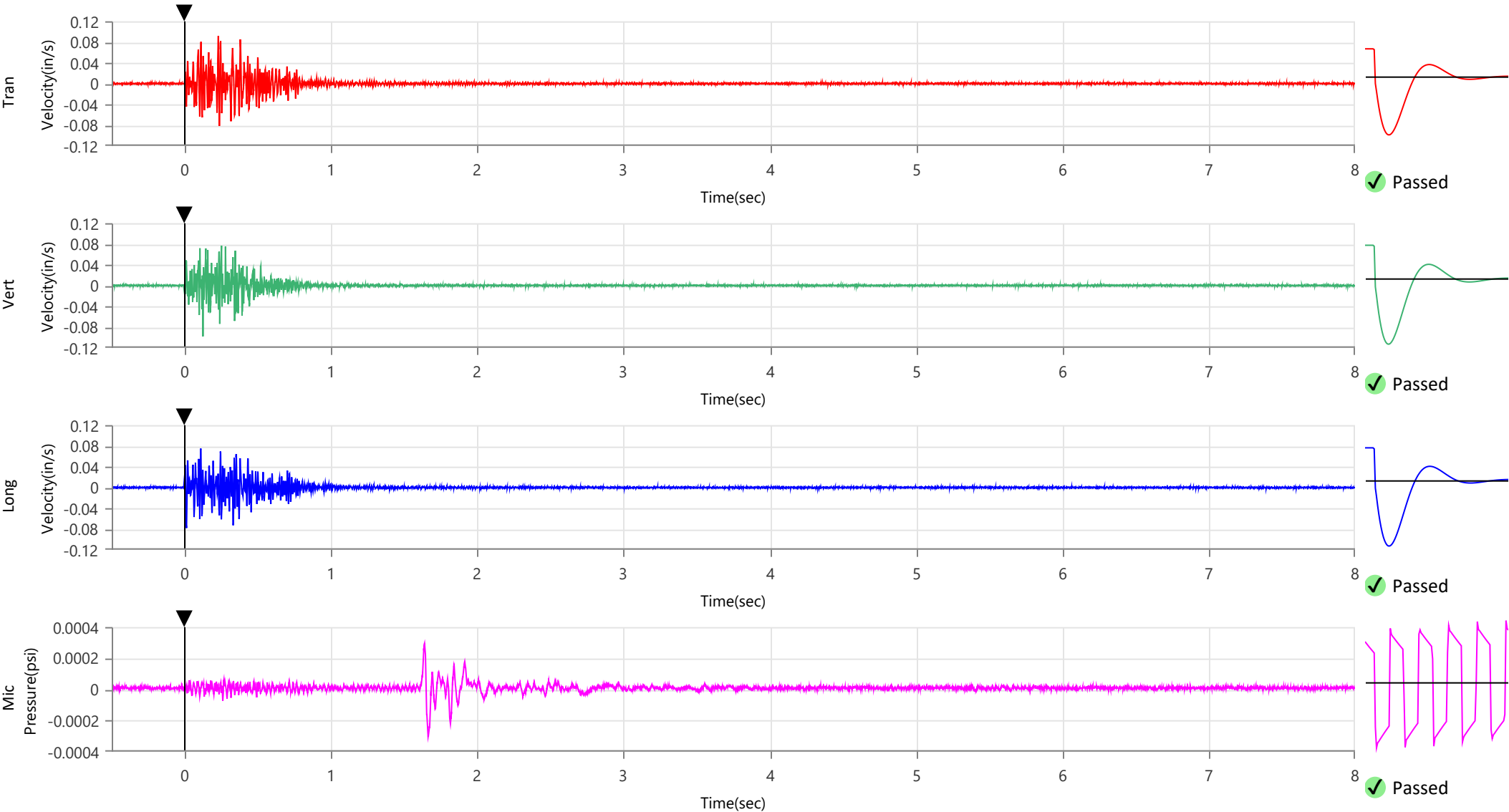
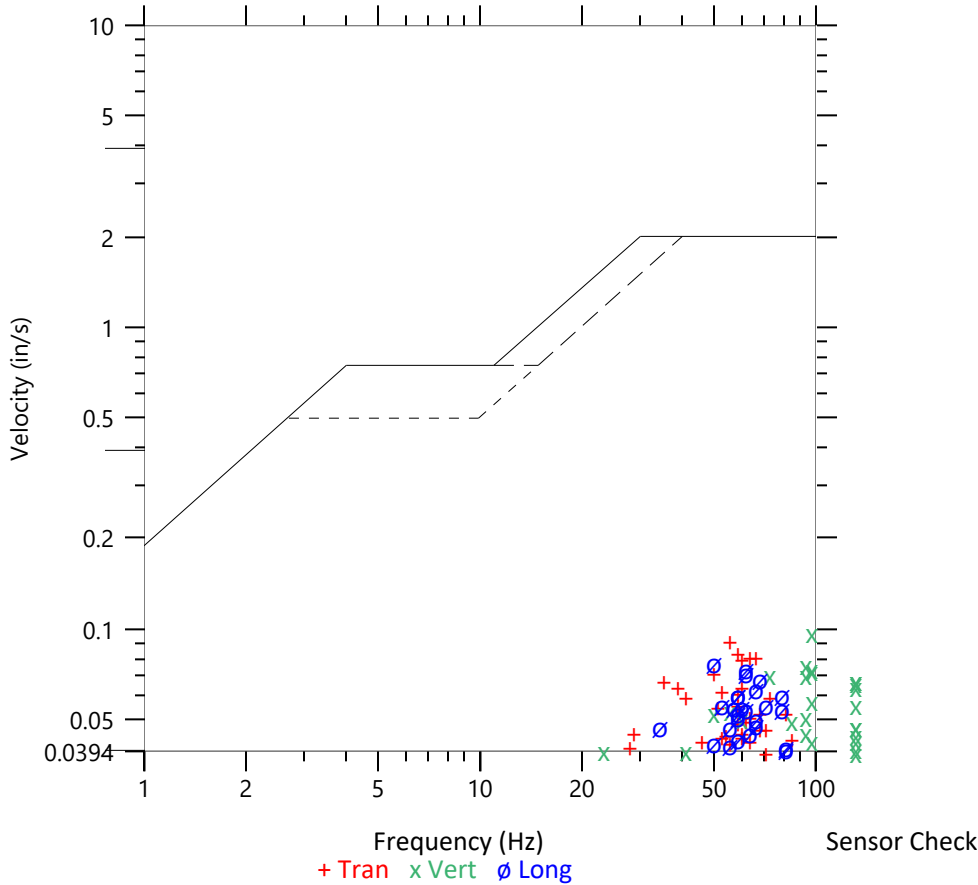
Extended Note N30.49742 W98.21566  
Post Event Notes No text to be displayed.

| Geophone                   | Tran        | Vert        | Long        |
|----------------------------|-------------|-------------|-------------|
| Peak Particle Velocity     | 0.0919 in/s | 0.0981 in/s | 0.0782 in/s |
| Zero Crossing Frequency    | 55.4 Hz     | 97.5 Hz     | 50.0 Hz     |
| Time (Relative to Trigger) | 0.229 sec   | 0.124 sec   | 0.011 sec   |
| Peak Acceleration          | 0.099 g     | 0.138 g     | 0.095 g     |
| Peak Displacement          | 0.000 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 0.1099 in/s at 0.251 sec

ISEE Linear Microphone  
Peak Sound Pressure Level 0.000304 psi  
Peak Sound Pressure Level 100.4 dB(L)  
Time (Relative to Trigger) 1.664 sec  
Zero Crossing Frequency 14.8 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1324 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



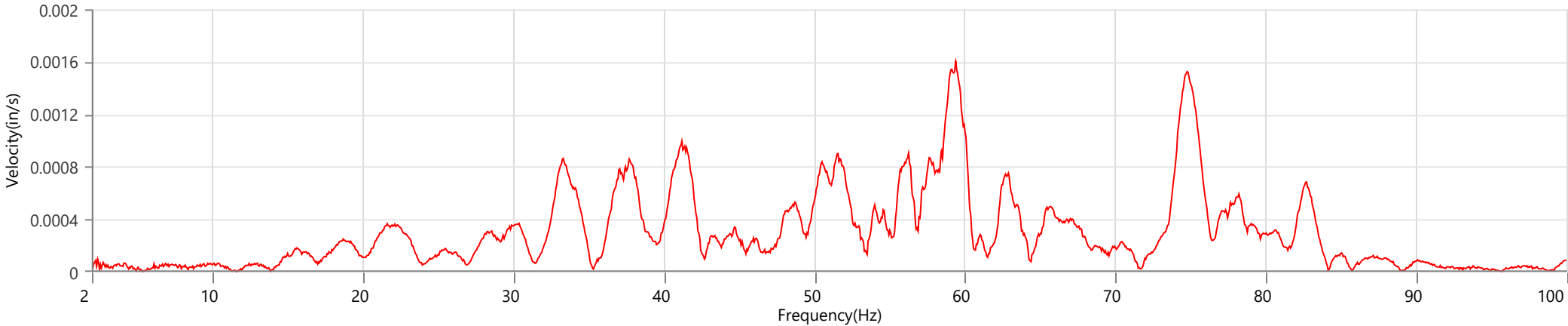
**Waveform Trigger Source** Long at July 31, 2025 09:51:51  
**Trigger Level(s)** Geo 0.0200 in/s  
**Trigger Level (Mic)** Mic 0.01029 psi, 131 dB(L)  
**Pre-Trigger/Record Time** 0.50 sec/8.0 sec (Fixed)  
**Sample Rate** 4096 sps  
**Setup File Name** Spicewood Hwy 71 - Station 3.mmb  
**Operator** 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\_20250731095151.IDFW  
**USB Sensor Support** Disabled

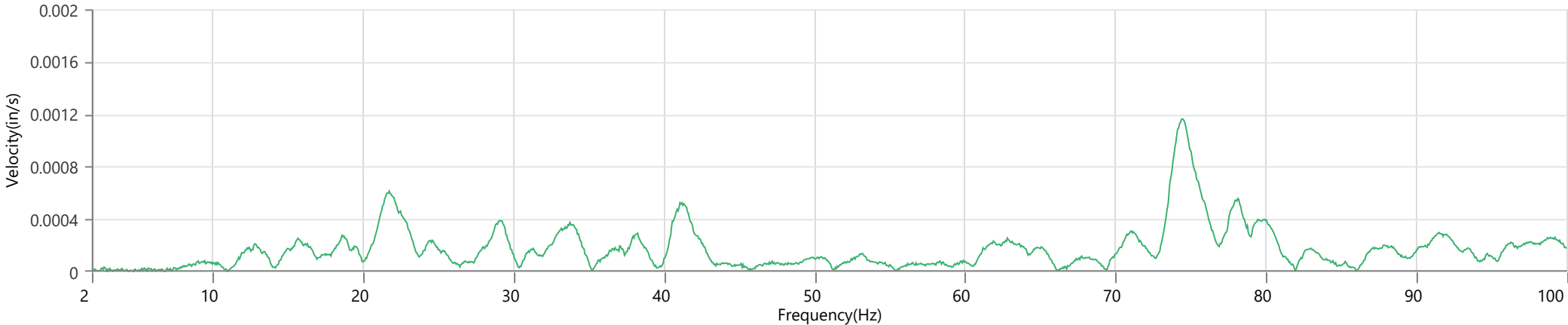
**Notes**  
Location Station 3  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

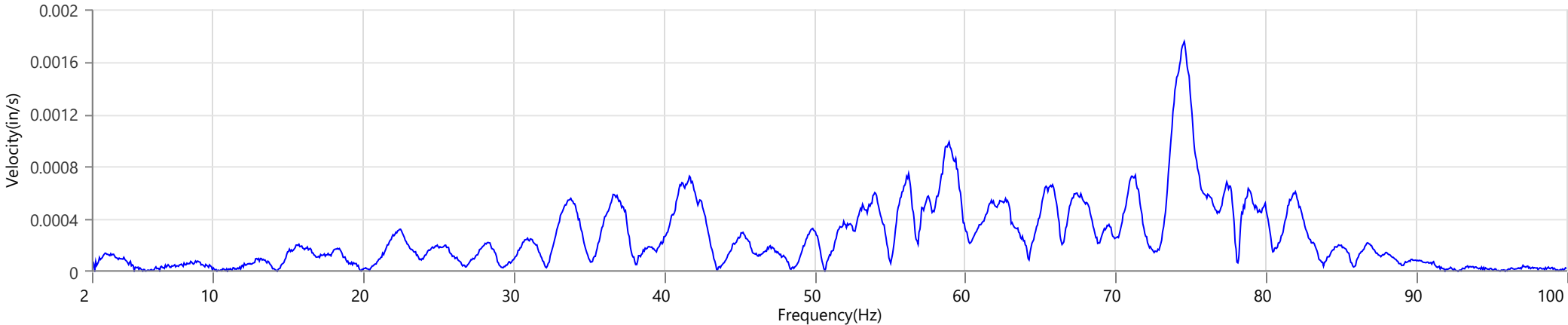
**Tran - Dominant Frequency 59.4 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0919 in/s)**



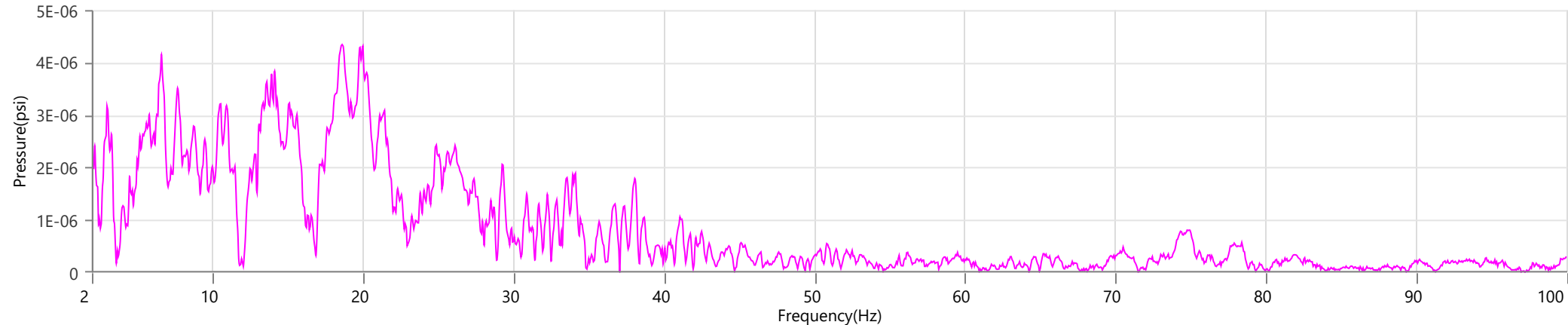
**Vert - Dominant Frequency 74.4 Hz, Amplitude 0.0012 in/s (Peak Particle Velocity: 0.0981 in/s)**



**Long - Dominant Frequency 74.6 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.0782 in/s)**



**Mic - Dominant Frequency 18.6 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000304 psi)**



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

Vert at July 31, 2025 09:51:51  
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\_20250731095151.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

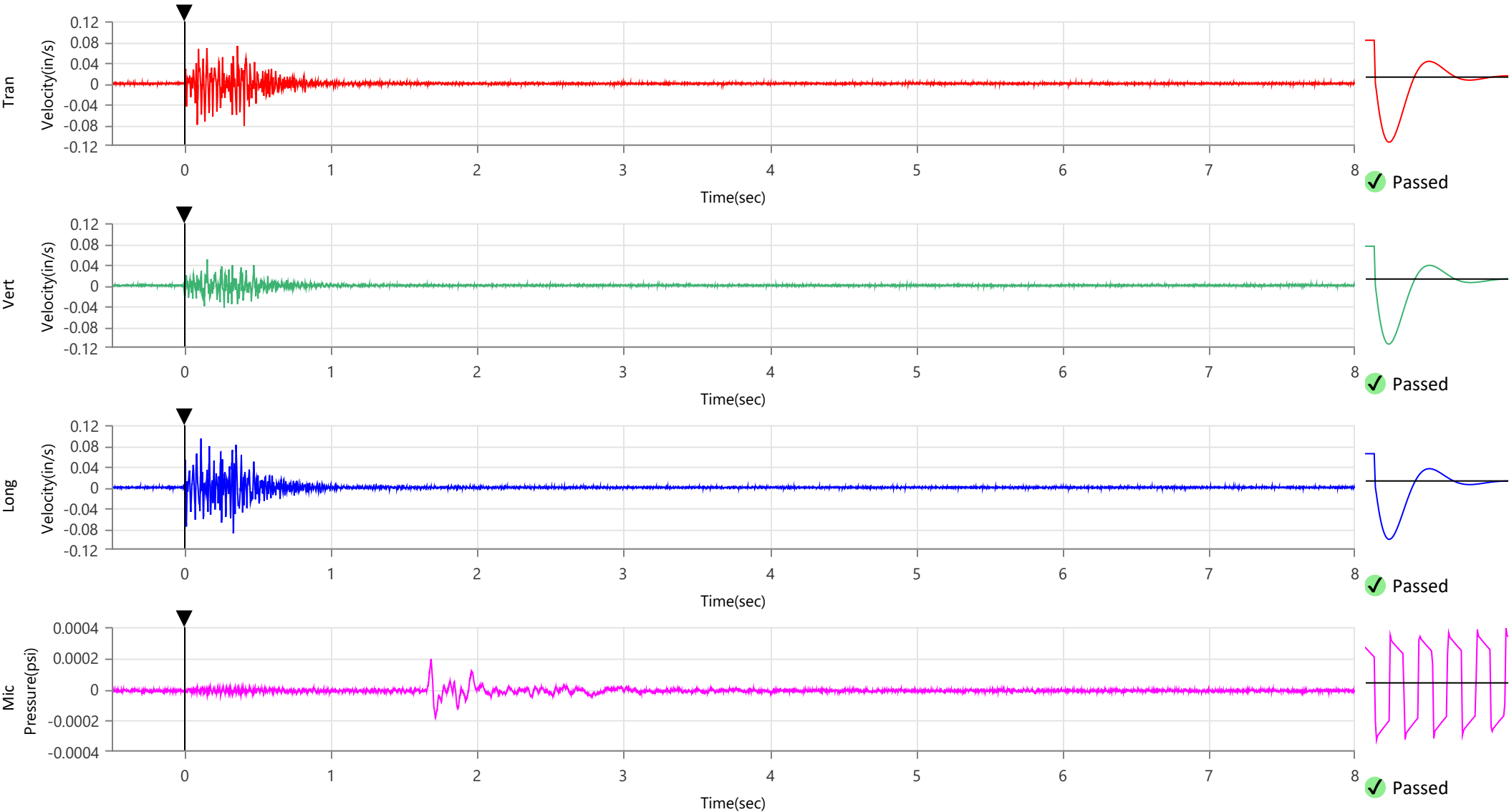
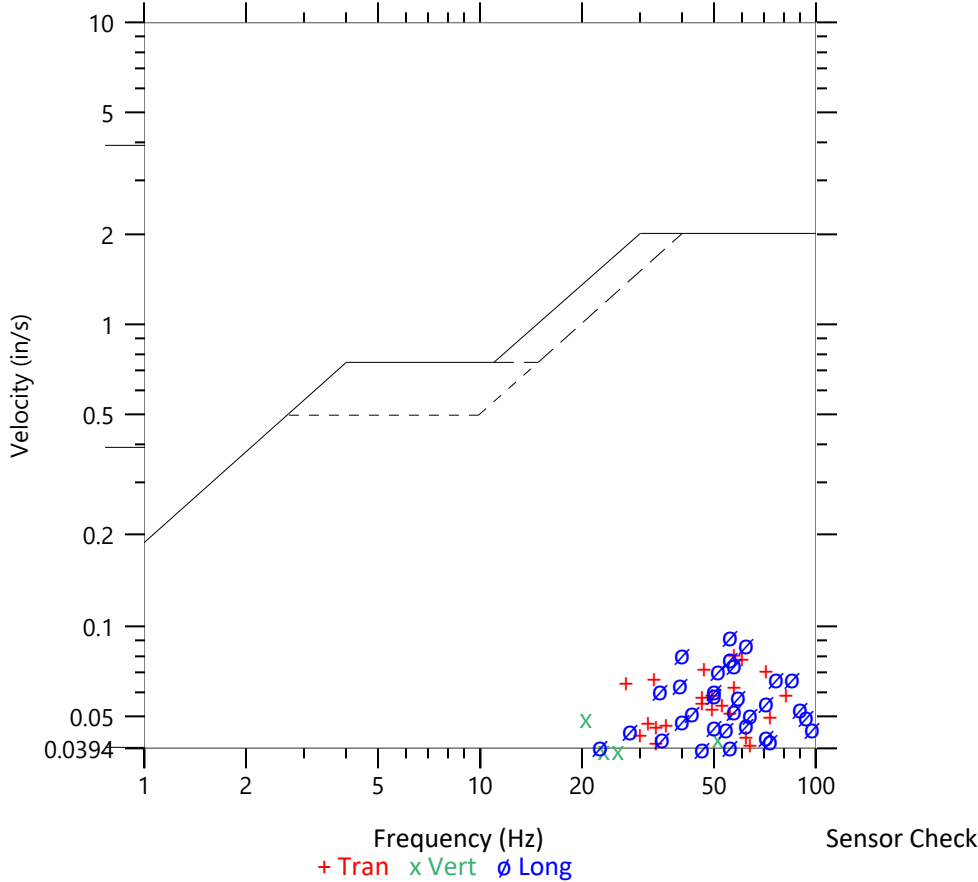
| Tran        | Vert        | Long        |
|-------------|-------------|-------------|
| 0.0819 in/s | 0.0503 in/s | 0.0940 in/s |
| 56.9 Hz     | 20.7 Hz     | 55.4 Hz     |
| 0.406 sec   | 0.154 sec   | 0.111 sec   |
| 0.092 g     | 0.076 g     | 0.109 g     |
| 0.000 in    | 0.000 in    | 0.000 in    |
| ✓ Passed    | ✓ Passed    | ✓ Passed    |
| 7.5 Hz      | 7.3 Hz      | 7.3 Hz      |
| 4.1         | 4.7         | 4.7         |

Peak Vector Sum 0.1028 in/s at 0.111 sec

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

0.000196 psi  
96.6 dB(L)  
1.684 sec  
12.8 Hz  
✓ Passed  
20.5 Hz  
1332 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



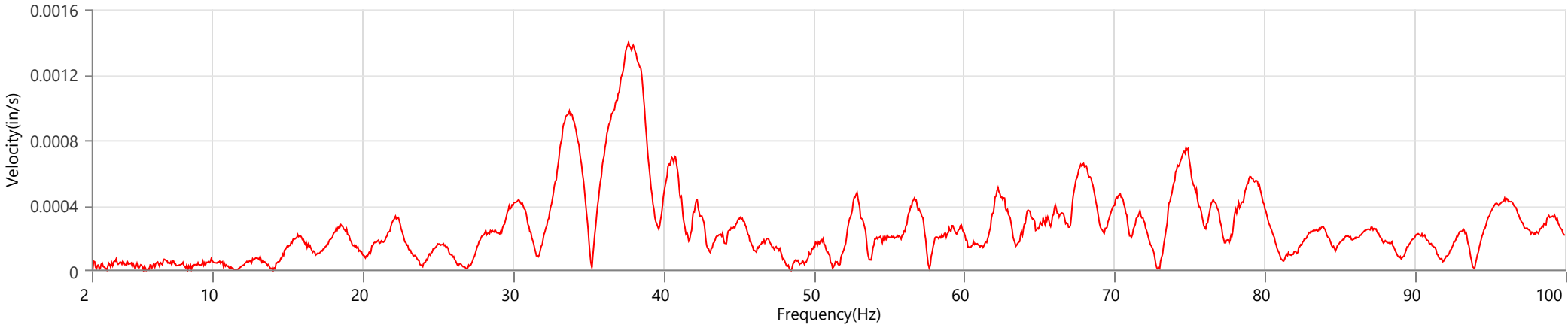
**Waveform Trigger Source** Vert at July 31, 2025 09:51:51  
**Trigger Level(s)** Geo 0.0200 in/s  
**Trigger Level (Mic)** Mic 0.01029 psi, 131 dB(L)  
**Pre-Trigger/Record Time** 0.50 sec/8.0 sec (Fixed)  
**Sample Rate** 4096 sps  
**Setup File Name** Spicewood Hwy 71 - Station 4.mmb  
**Operator** 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\_20250731095151.IDFW  
**USB Sensor Support** Disabled

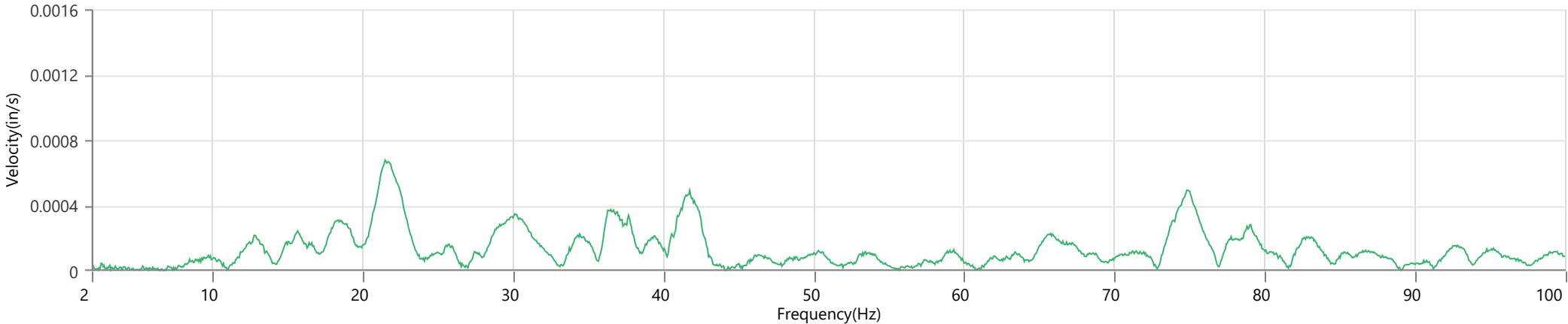
**Notes**  
Location Station 4  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

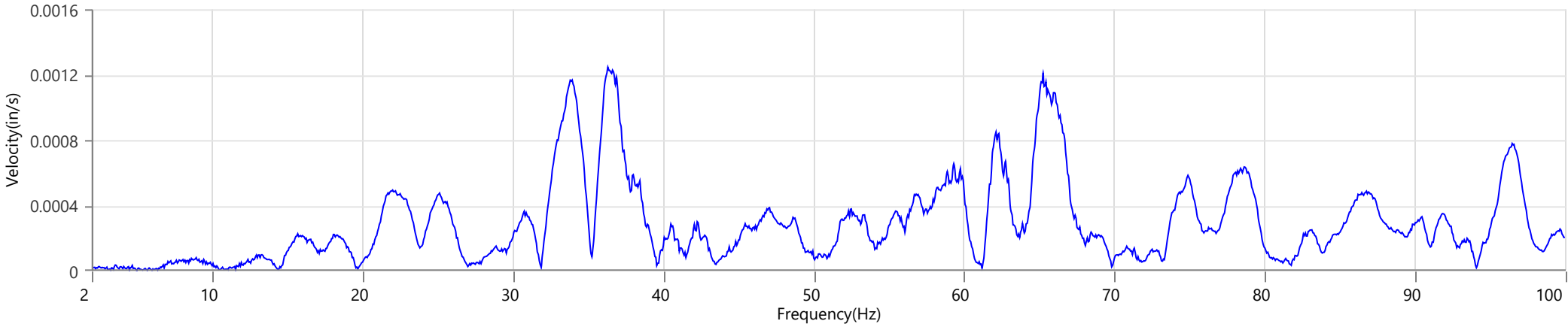
**Tran - Dominant Frequency 37.7 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.0819 in/s)**



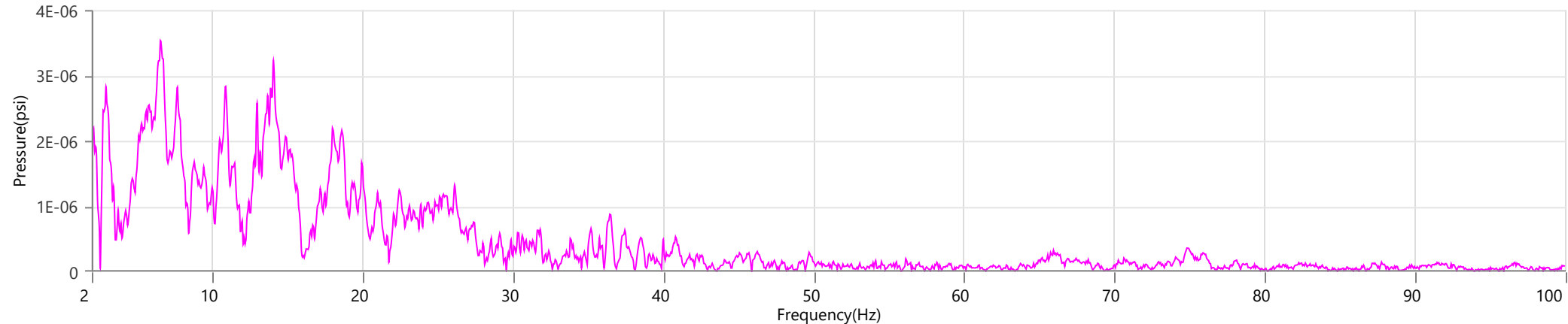
**Vert - Dominant Frequency 21.5 Hz, Amplitude 0.0007 in/s (Peak Particle Velocity: 0.0503 in/s)**



**Long - Dominant Frequency 36.3 Hz, Amplitude 0.0012 in/s (Peak Particle Velocity: 0.0940 in/s)**



**Mic - Dominant Frequency 6.6 Hz, Amplitude 0.00000 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

Tran at July 31, 2025 09:51:52  
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\_20250731095152.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  
0.0726 in/s  
50.0 Hz  
0.100 sec  
0.122 g  
0.000 in  
✓ Passed  
7.3 Hz  
3.4

Vert  
0.0583 in/s  
75.9 Hz  
0.372 sec  
0.082 g  
0.000 in  
✓ Passed  
7.7 Hz  
3.4

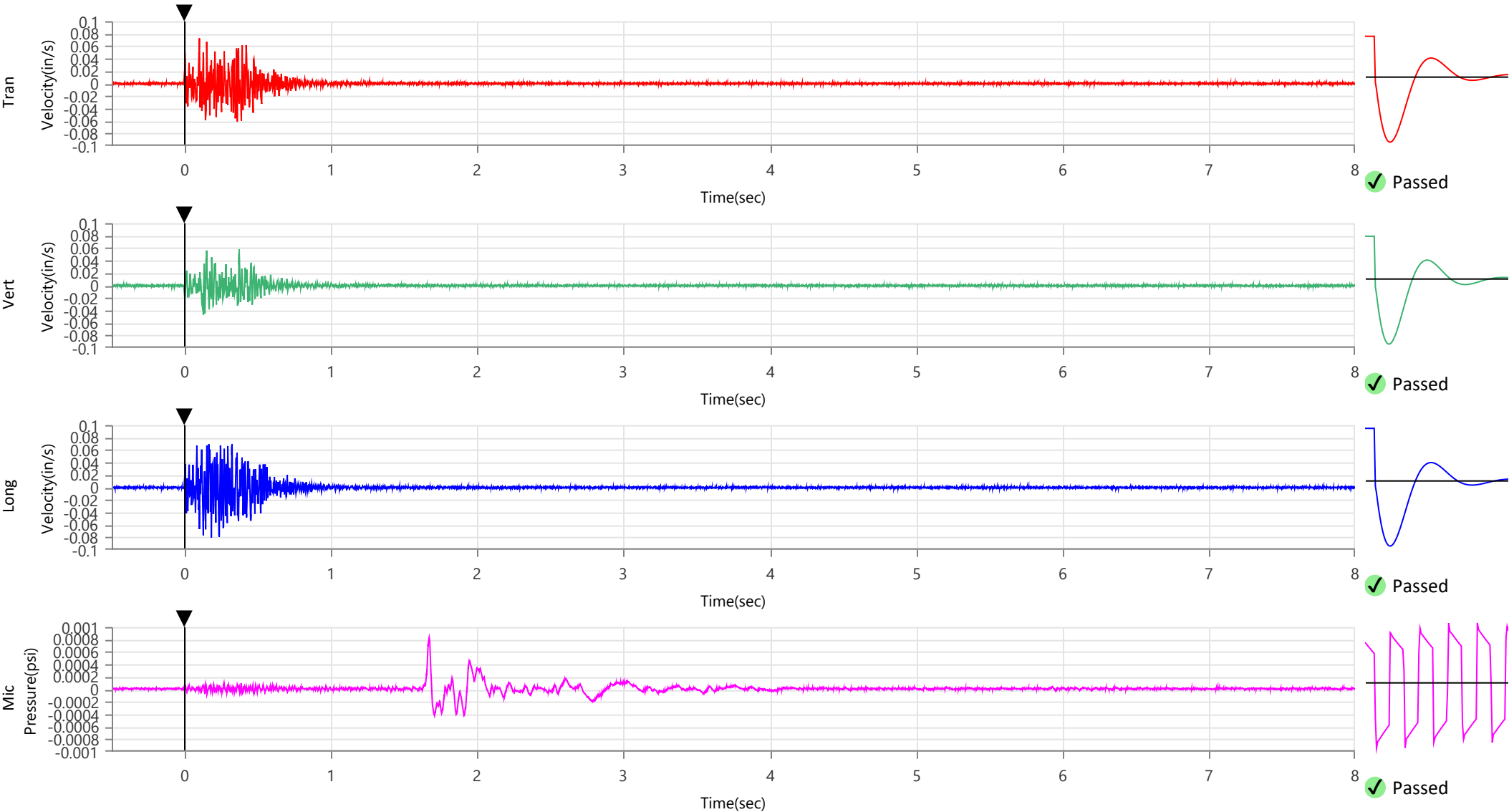
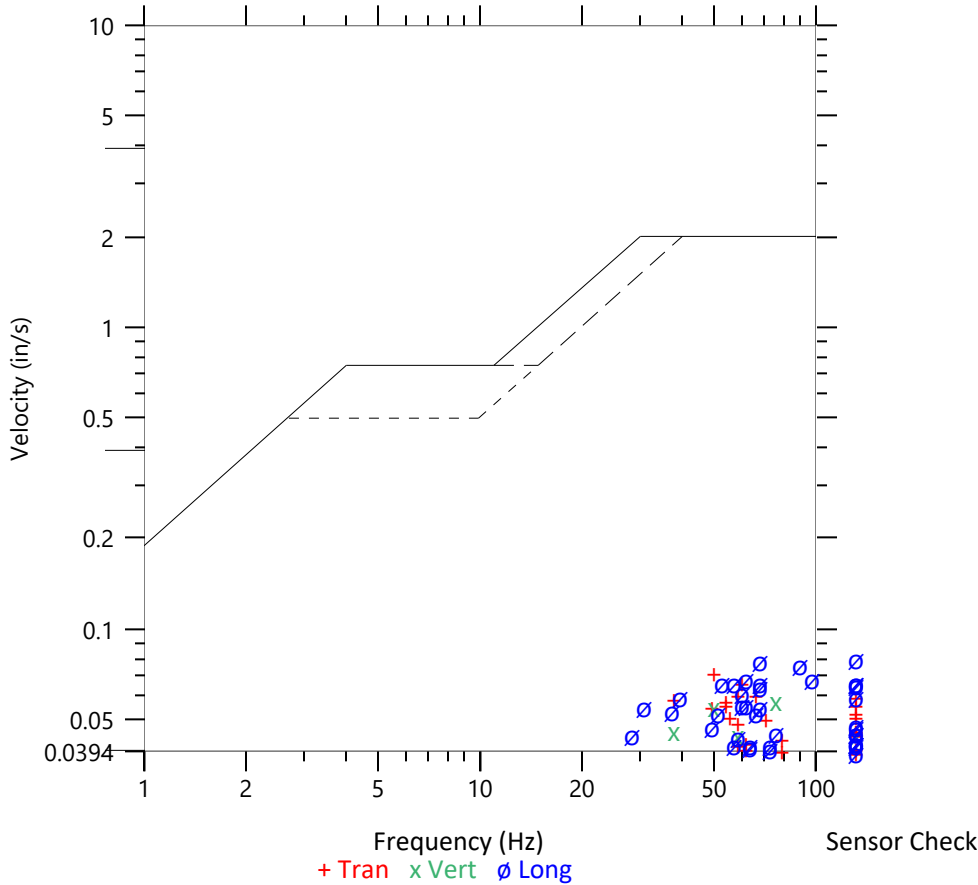
Long  
0.0807 in/s  
>100 Hz  
0.182 sec  
0.145 g  
0.000 in  
✓ Passed  
7.3 Hz  
3.5

Peak Vector Sum  
0.1062 in/s at 0.151 sec

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

0.000830 psi  
109.1 dB(L)  
1.670 sec  
7.8 Hz  
✓ Passed  
19.7 Hz  
1029 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

Tran at July 31, 2025 09:51:52  
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

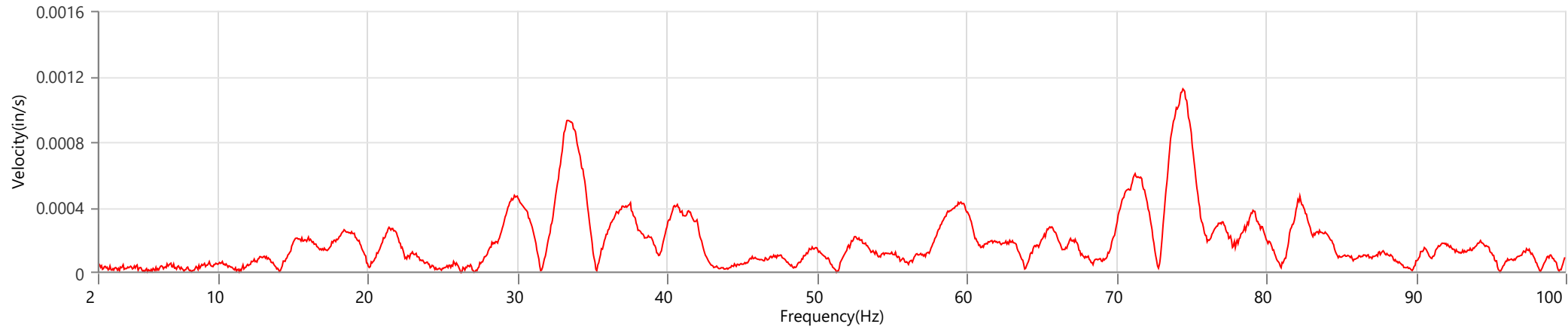
UM9228  
Micromate ISEE 11.0AK  
3.8 volts  
April 24, 2025 by Instantel  
UM9228\_20250731095152.IDFW  
Disabled

Notes  
Location  
Client  
Company  
General Notes

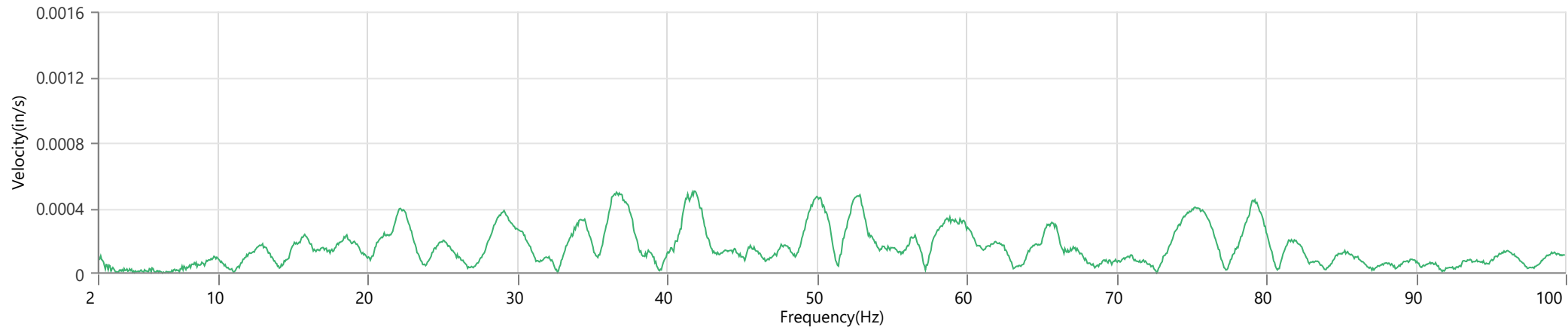
Station 5  
Spicewood Crushed Stone  
Hwy 71 Quarry  
IGS, Inc.

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

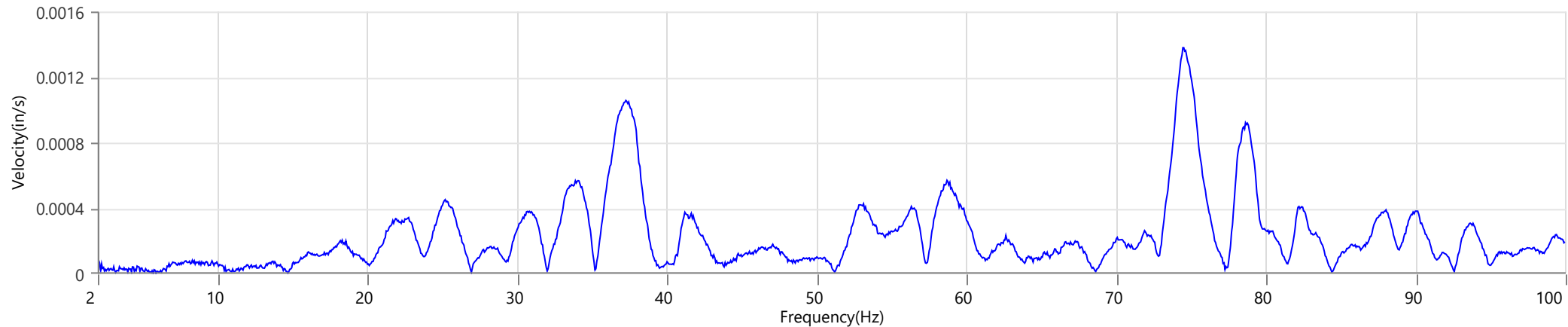
Tran - Dominant Frequency 74.4 Hz, Amplitude 0.0011 in/s (Peak Particle Velocity: 0.0726 in/s)



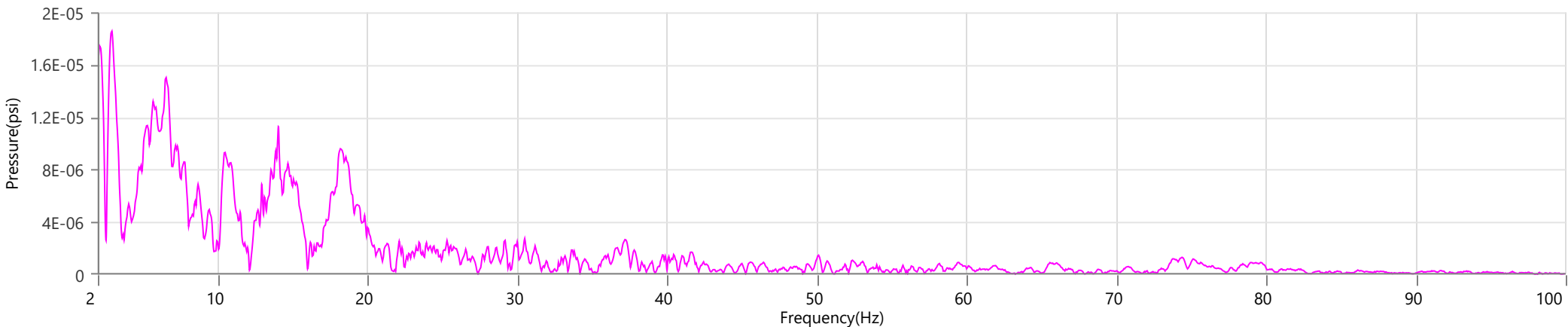
Vert - Dominant Frequency 41.8 Hz, Amplitude 0.0005 in/s (Peak Particle Velocity: 0.0583 in/s)



Long - Dominant Frequency 74.4 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.0807 in/s)



Mic - Dominant Frequency 2.9 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.000830 psi)



Waveform Trigger Source Long at July 31, 2025 09:51:52  
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\_20250731095152.IDFW  
USB Sensor Support Disabled

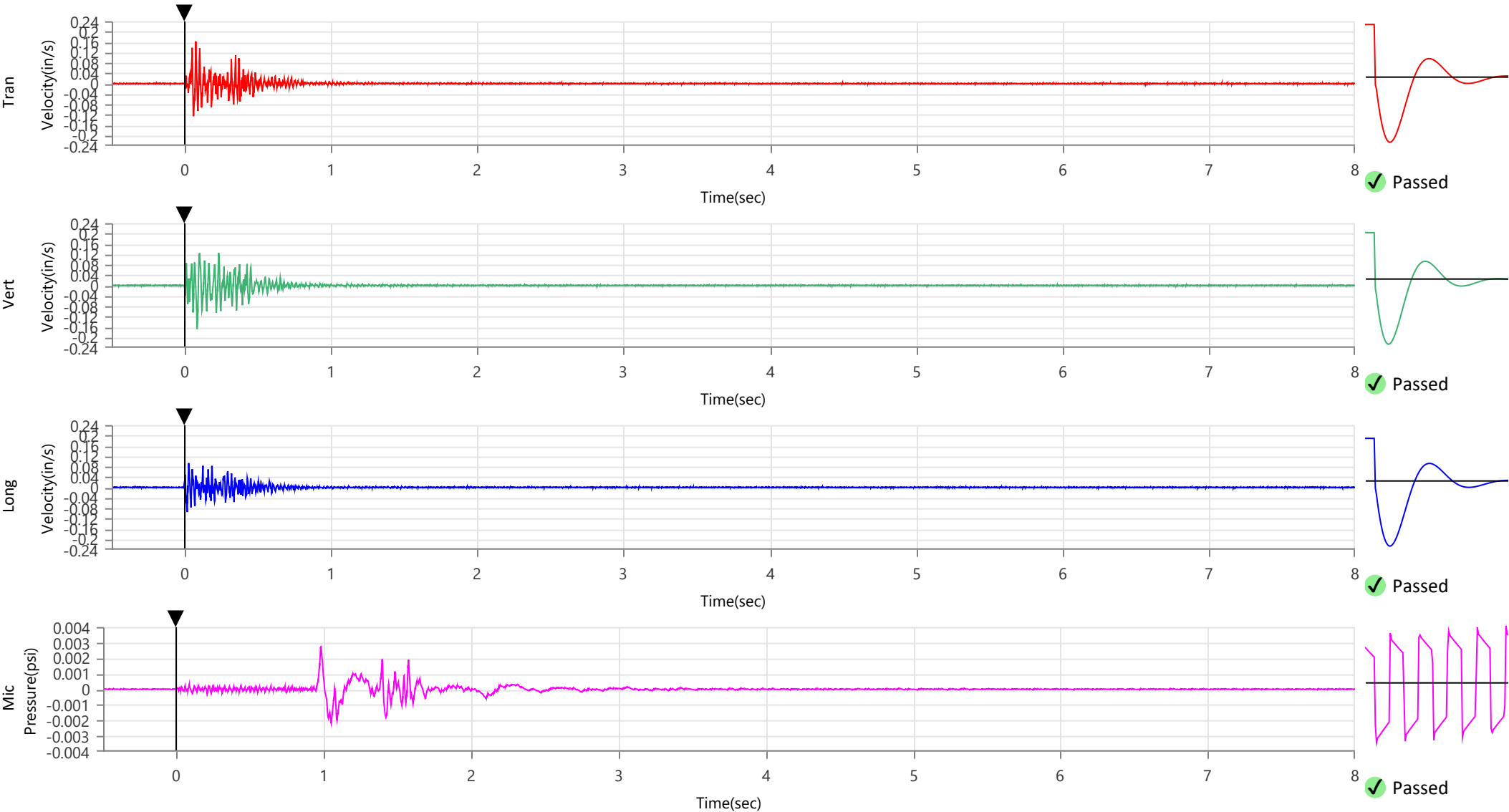
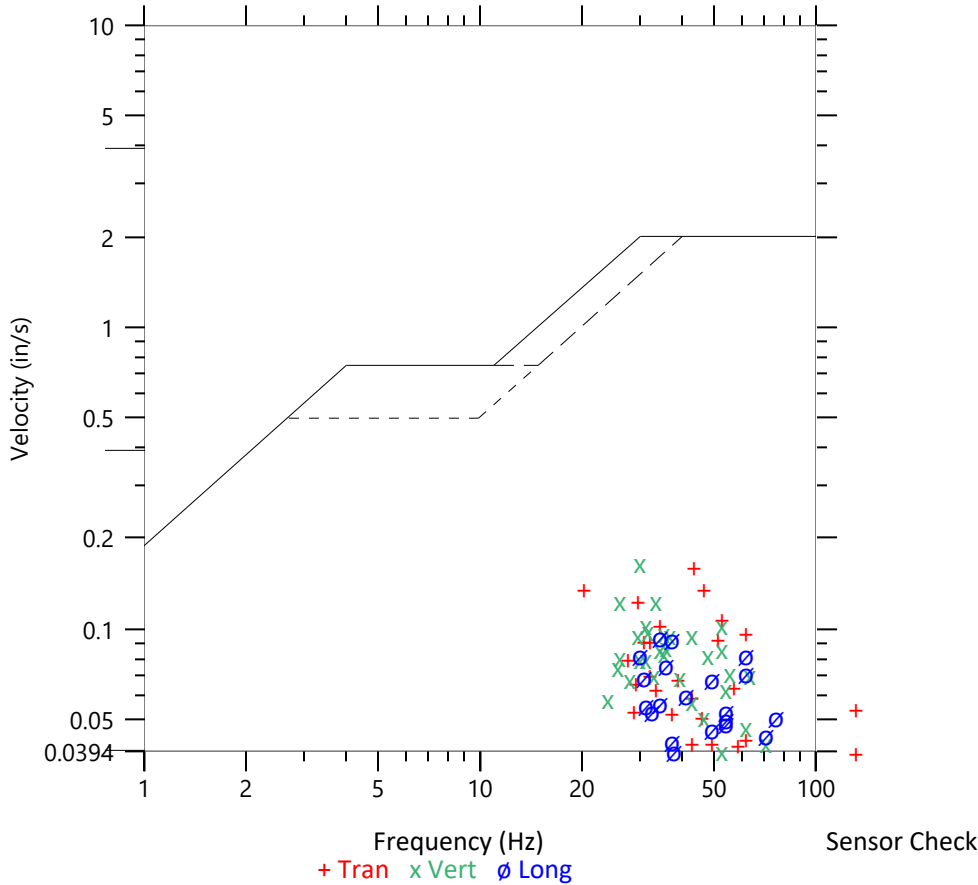
Notes  
Location Station 6  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

| Geophone                   | Tran                     | Vert        | Long        |
|----------------------------|--------------------------|-------------|-------------|
| Peak Particle Velocity     | 0.1626 in/s              | 0.1679 in/s | 0.0950 in/s |
| Zero Crossing Frequency    | 43.6 Hz                  | 30.1 Hz     | 34.1 Hz     |
| Time (Relative to Trigger) | 0.076 sec                | 0.084 sec   | 0.017 sec   |
| Peak Acceleration          | 0.158 g                  | 0.105 g     | 0.118 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         | 3.7         |
| Peak Vector Sum            | 0.1869 in/s at 0.102 sec |             |             |

ISEE Linear Microphone  
Peak Sound Pressure Level 0.002745 psi  
Peak Sound Pressure Level 119.5 dB(L)  
Time (Relative to Trigger) 0.979 sec  
Zero Crossing Frequency 8.5 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1425 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



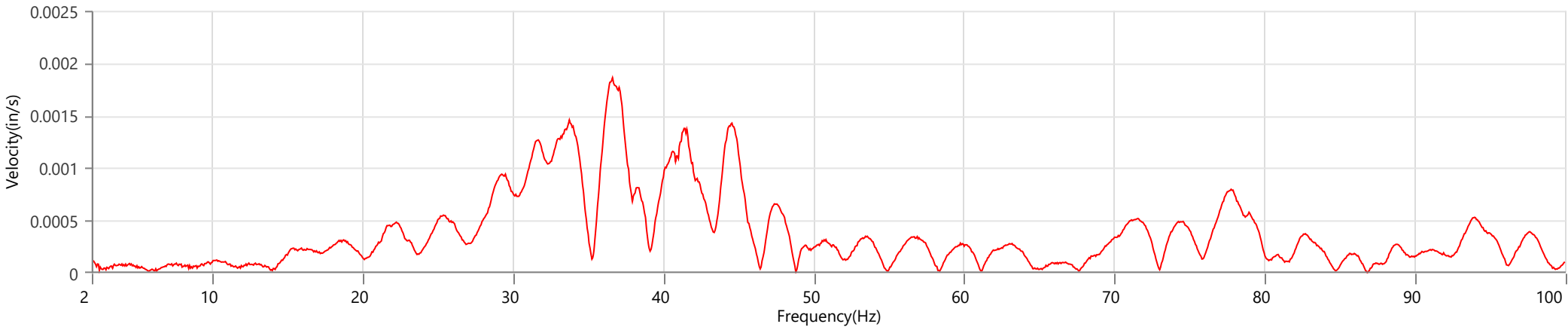
Waveform Trigger Source Long at July 31, 2025 09:51:52  
Trigger Level(s) Geo 0.0200 in/s  
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)  
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)  
Sample Rate 4096 sps  
Setup File Name Spicewood Hwy 71 - Station 6.mmb  
Operator Operator

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\_20250731095152.IDFW  
USB Sensor Support Disabled

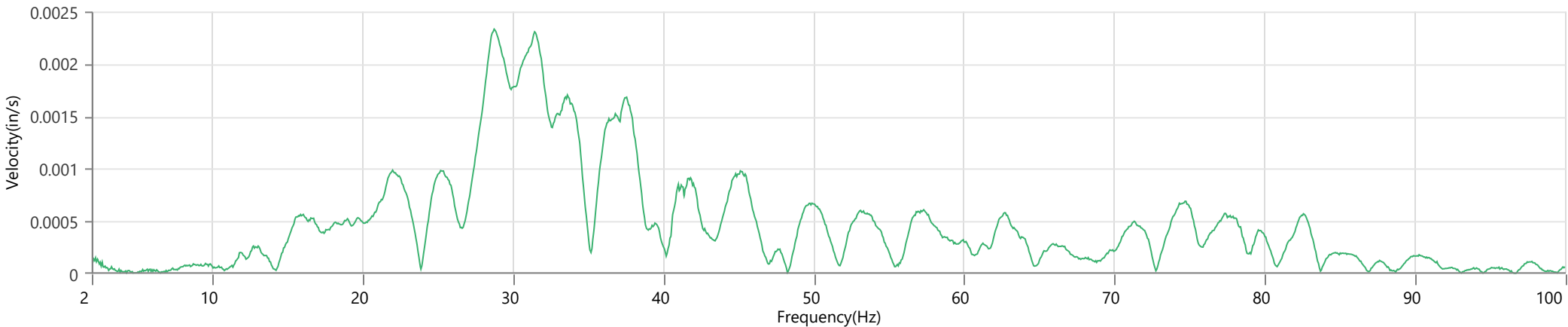
Notes  
Location Station 6  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

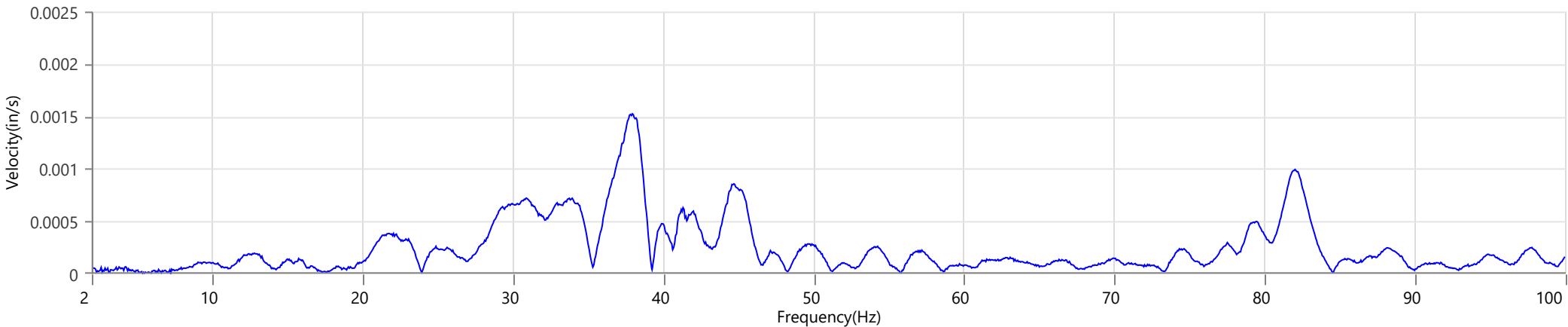
Tran - Dominant Frequency 36.6 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1626 in/s)



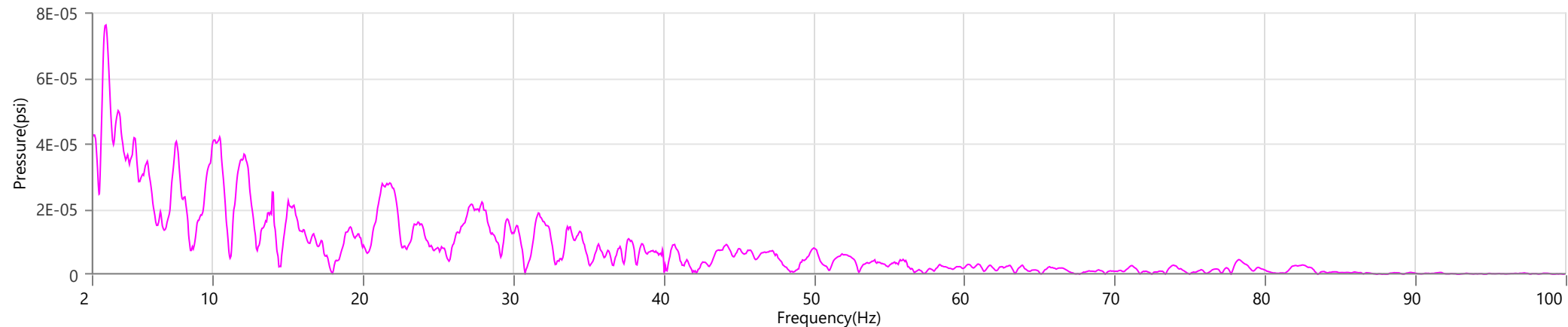
Vert - Dominant Frequency 28.8 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.1679 in/s)



Long - Dominant Frequency 37.9 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.0950 in/s)



Mic - Dominant Frequency 2.9 Hz, Amplitude 0.00008 psi (Peak Sound Pressure Level: 0.002745 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

July 31, 2025 00:00:05

July 31, 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\_20250731000005.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

72.3 dB(A)

Jul 31, 2025

09:57:05

LMin

L10

L90

Leq

31.6

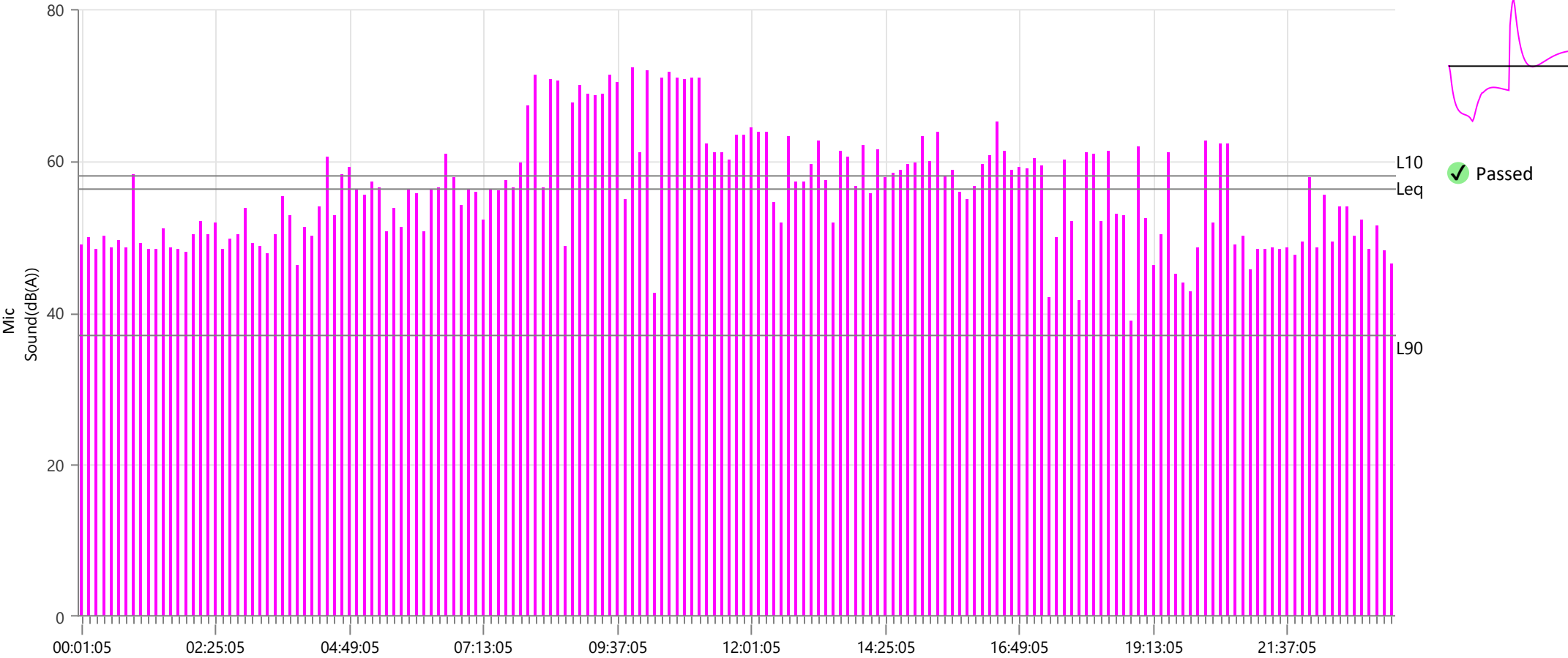
58

37

56.3

✓ Passed

1104 mv



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

July 31, 2025 00:00:05

July 31, 2025 23:29:59

42297.25/2 sec

4096 sps

Spicewood Hwy 71 - Noise 3.mmb

Operator

Serial Number

Model Number

Battery Level

Unit Calibration

Microphone Calibration

UM8328

Micromate ISEE 11.0AK

3.8 volts

May 22, 2025 by Instantel

UA10376, February 18, 2025 by Field

Event File Name

USB Sensor Support

UM8328\_20250731000005.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

67.3 dB(A)

Jul 31, 2025

06:32:33

LMin

L10

L90

Leq

33.2

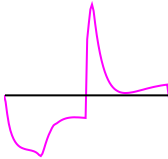
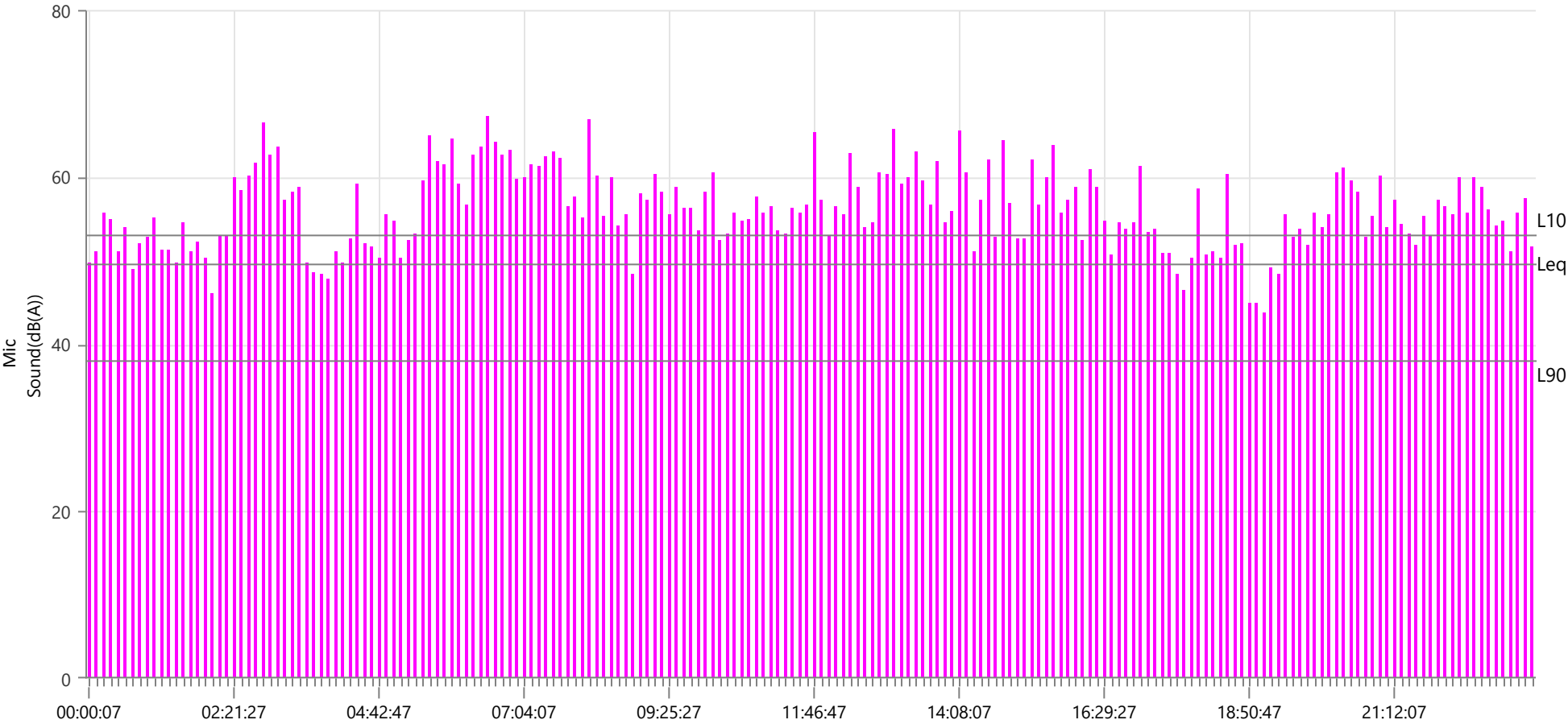
53

38

49.5

✓ Passed

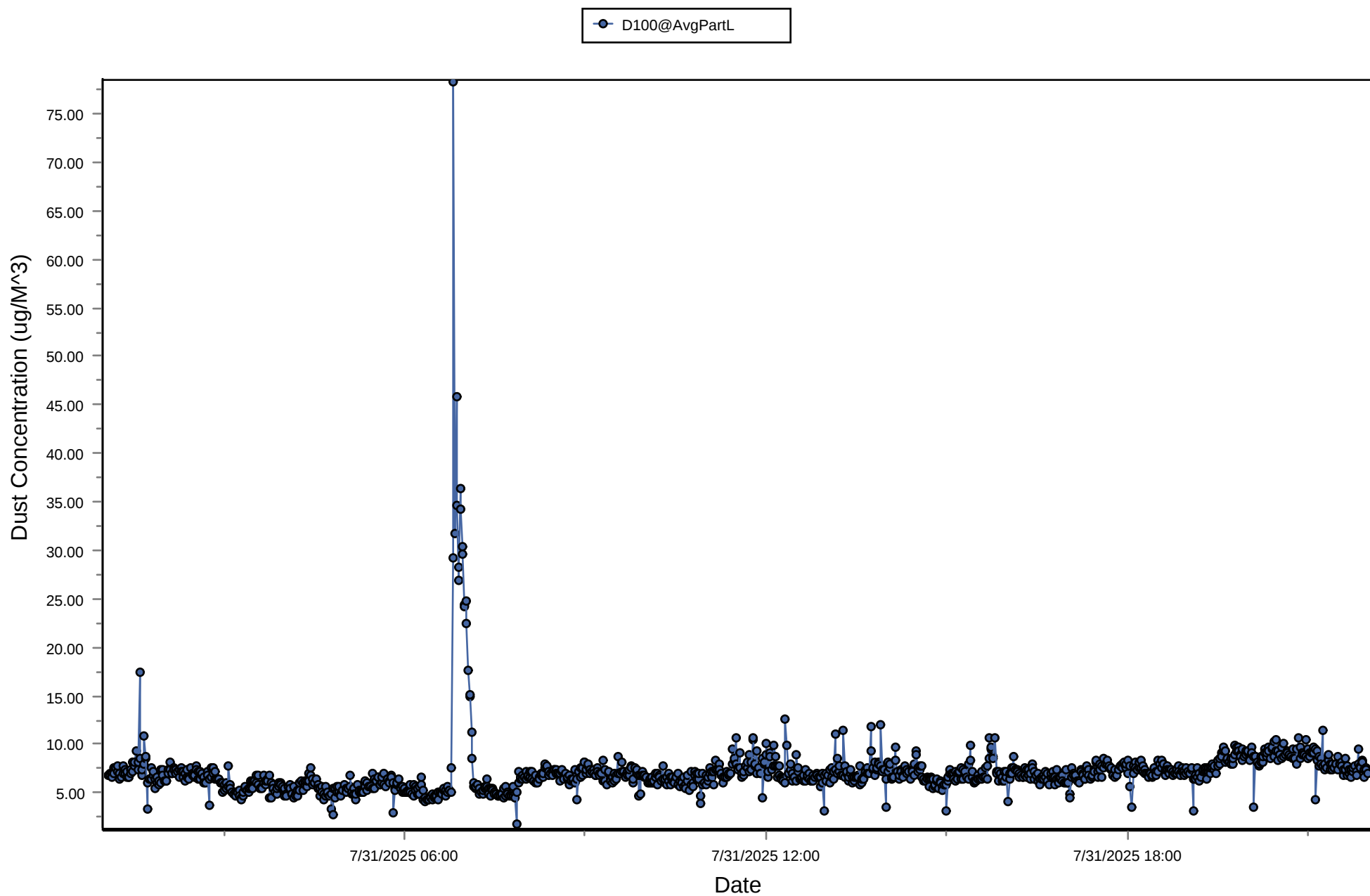
955 mv



✓ Passed

# Spicewood Crushed Stone - Hwy 71 Quarry

## South Dust Monitor



# Spicewood Crushed Stone - Hwy 71 Quarry

## North Dust Monitor

D100@AvgPartL

