

Waveform Trigger Source Long at November 21, 2025 11:38:09  
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\_20251121113809.IDFW  
USB Sensor Support Disabled

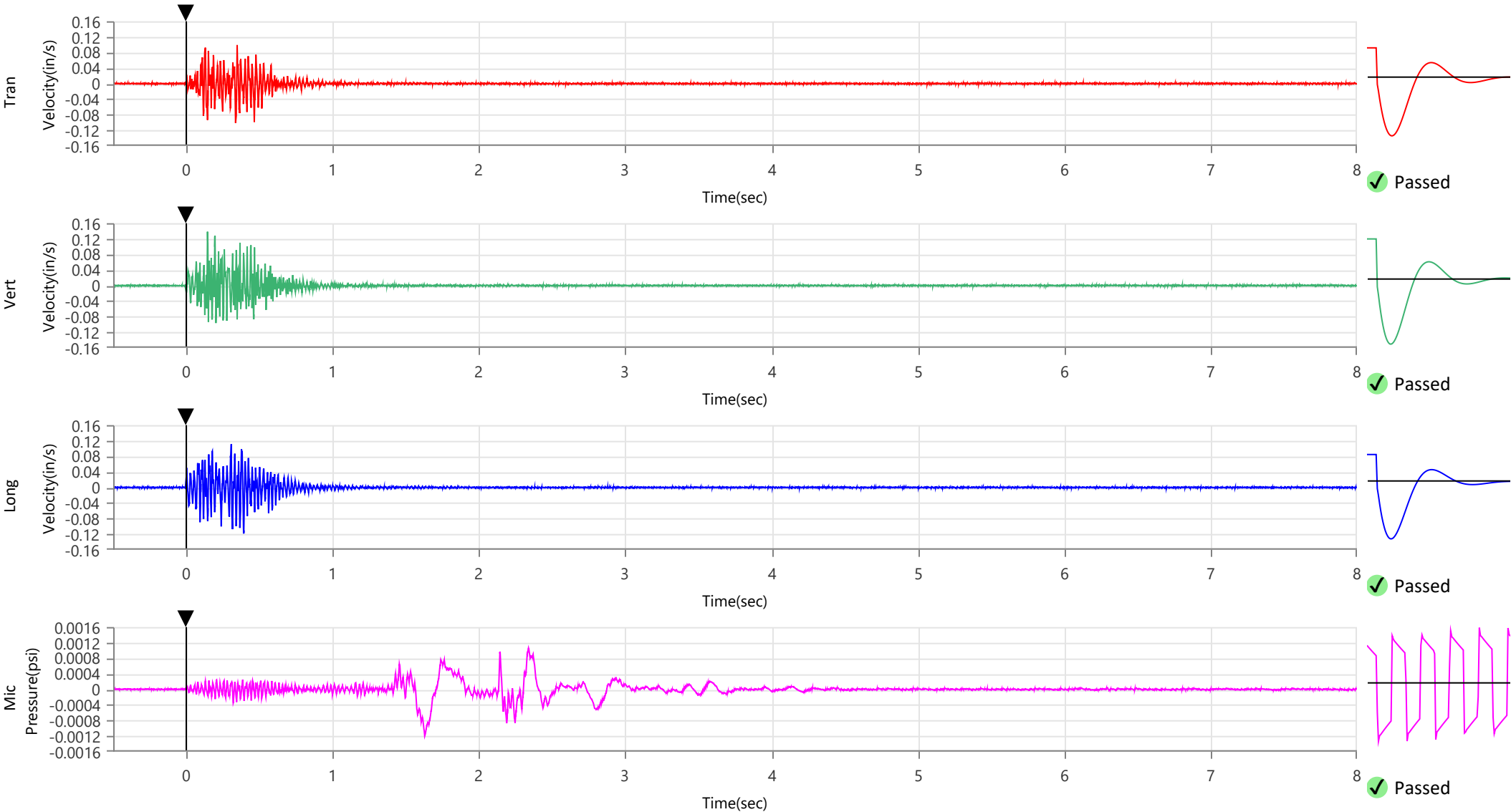
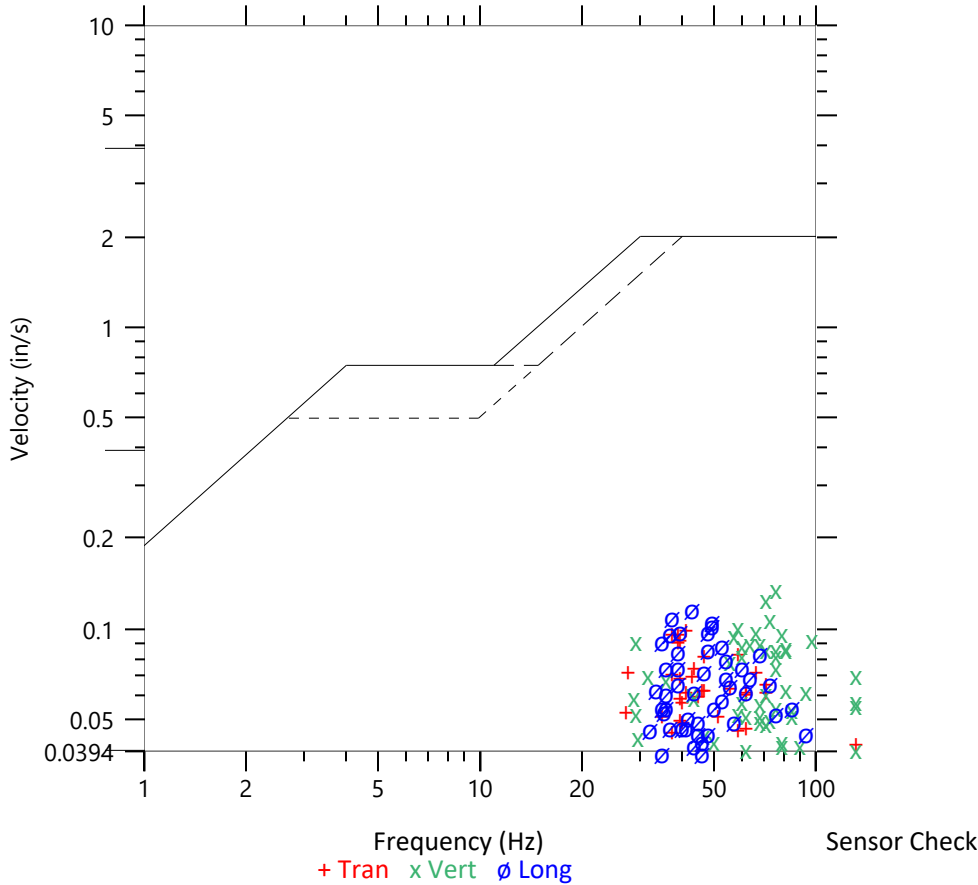
Notes  
Location Station 2  
Client Spicewood Crushed Stone  
Company Hwy 71  
General Notes IGS, Inc

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

|                            |                          |             |             |
|----------------------------|--------------------------|-------------|-------------|
| Geophone                   | Tran                     | Vert        | Long        |
| Peak Particle Velocity     | 0.1009 in/s              | 0.1381 in/s | 0.1185 in/s |
| Zero Crossing Frequency    | 41.0 Hz                  | 75.9 Hz     | 42.7 Hz     |
| Time (Relative to Trigger) | 0.336 sec                | 0.146 sec   | 0.392 sec   |
| Peak Acceleration          | 0.132 g                  | 0.161 g     | 0.151 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            | 4.0                      | 3.7         | 5.1         |
| Peak Vector Sum            | 0.1856 in/s at 0.146 sec |             |             |

|                            |              |
|----------------------------|--------------|
| ISEE Linear Microphone     |              |
| Peak Sound Pressure Level  | 0.001199 psi |
| Peak Sound Pressure Level  | 112.3 dB(L)  |
| Time (Relative to Trigger) | 1.630 sec    |
| Zero Crossing Frequency    | 3.6 Hz       |
| Sensor Check               | ✓ Passed     |
| Frequency                  | 19.7 Hz      |
| Test Amplitude             | 1339 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**

Long at November 21, 2025 11:38:09  
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**

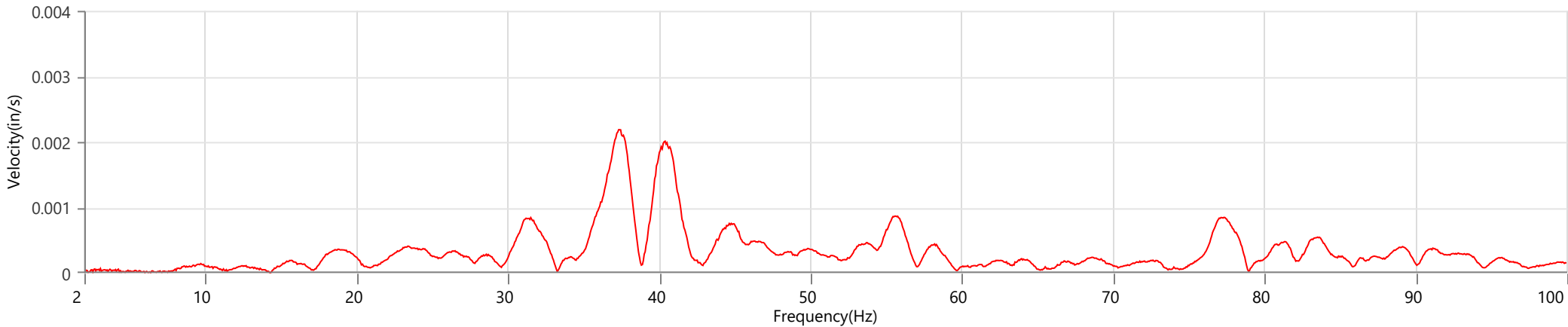
UM6427  
Micromate ISEE 11.0AK  
3.8 volts  
March 19, 2025 by Instantel  
UM6427\_20251121113809.IDFW  
Disabled

**Notes**  
Location  
Client  
Company  
General Notes

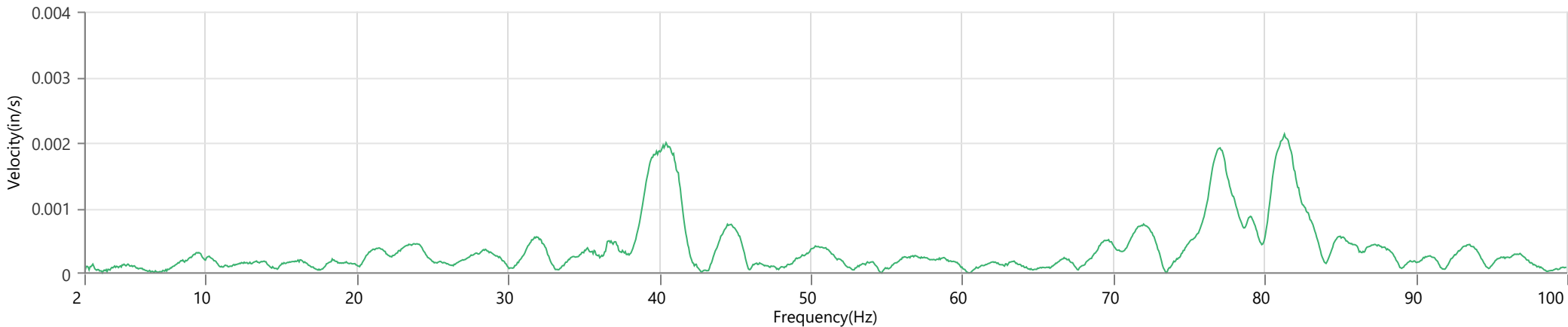
Station 2  
Spicewood Crushed Stone  
Hwy 71  
IGS, Inc

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

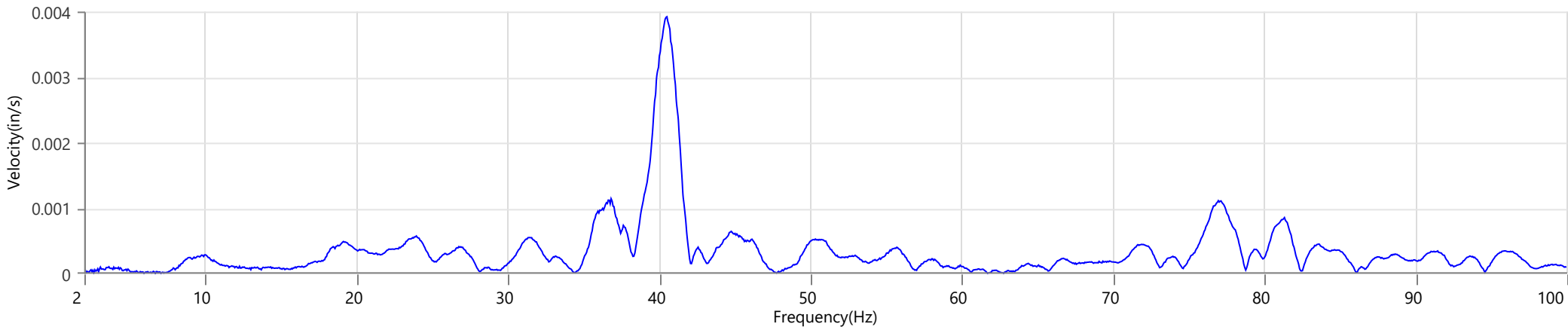
**Tran - Dominant Frequency 37.3 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1009 in/s)**



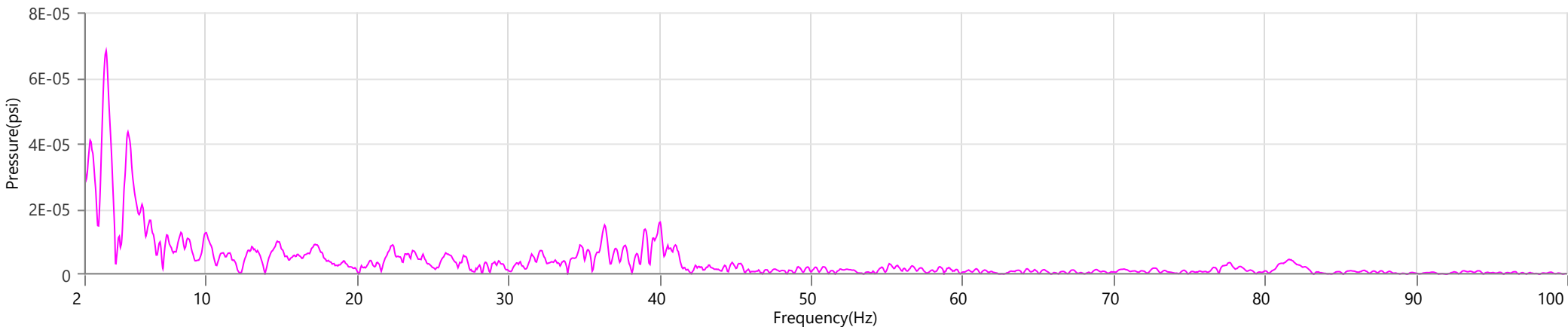
**Vert - Dominant Frequency 81.3 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1381 in/s)**



**Long - Dominant Frequency 40.5 Hz, Amplitude 0.0039 in/s (Peak Particle Velocity: 0.1185 in/s)**



**Mic - Dominant Frequency 3.4 Hz, Amplitude 0.00007 psi (Peak Sound Pressure Level: 0.001199 psi)**



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

Vert at November 21, 2025 11:38:09  
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\_20251121113809.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  
0.2635 in/s  
31.0 Hz  
0.177 sec  
0.280 g  
0.006 in  
✓ Passed  
7.3 Hz  
4.6

Vert  
0.1825 in/s  
>100 Hz  
0.164 sec  
0.339 g  
0.000 in  
✓ Passed  
7.5 Hz  
4.4

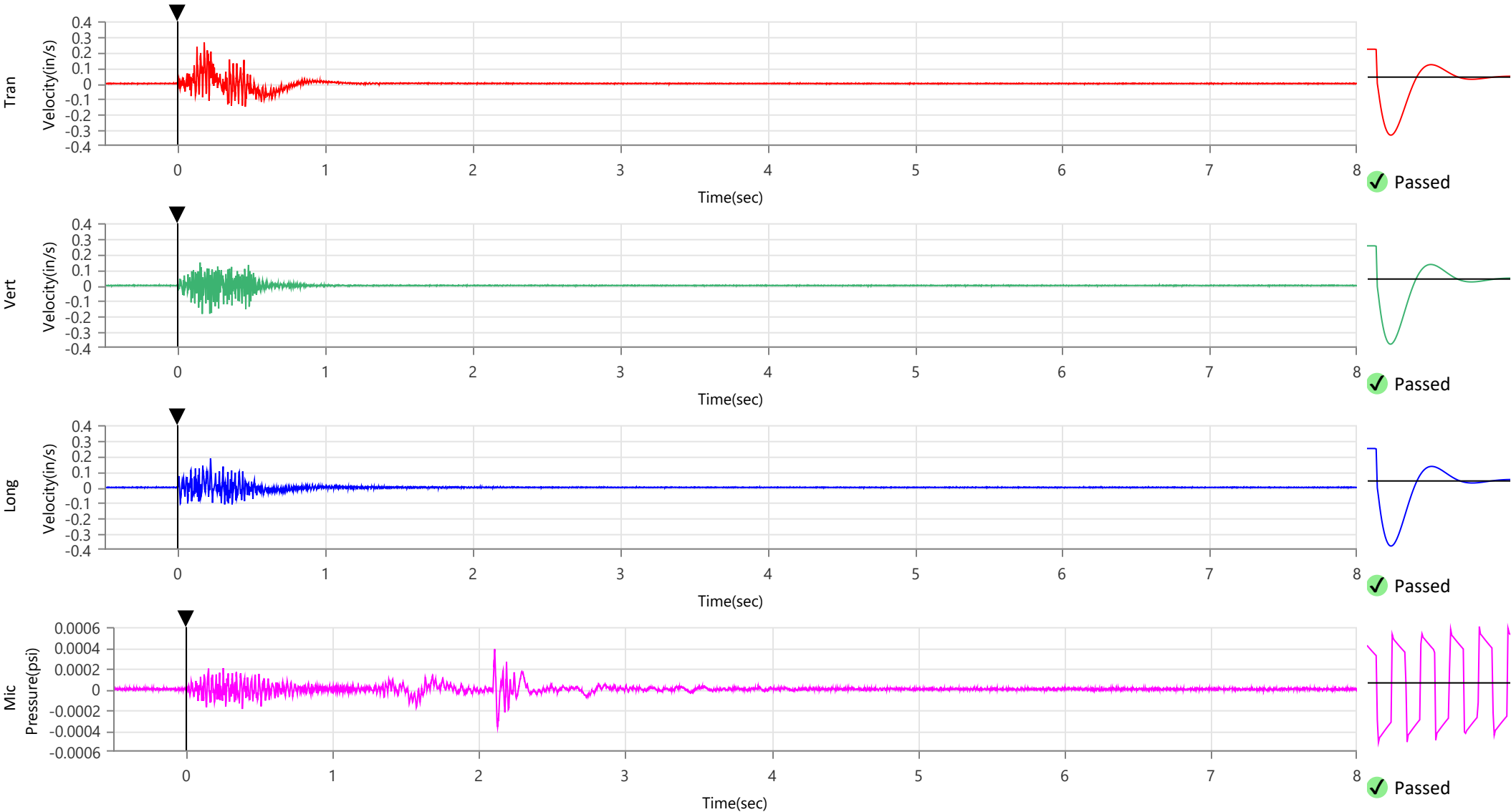
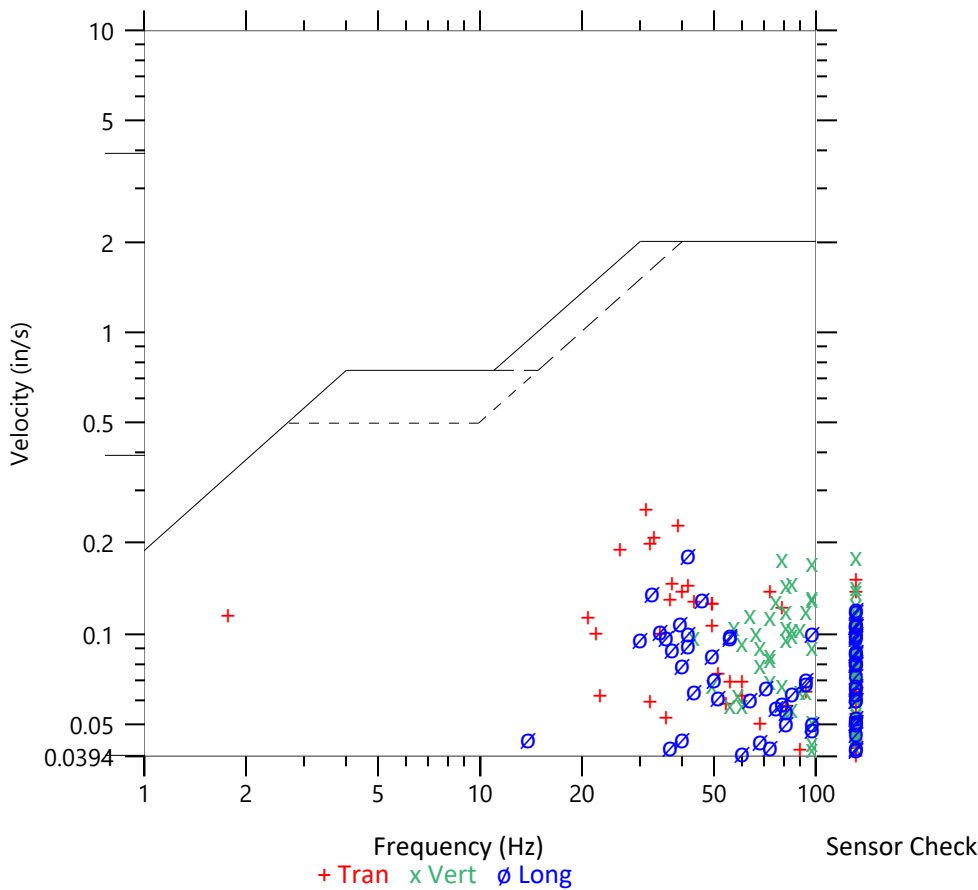
Long  
0.1859 in/s  
41.8 Hz  
0.219 sec  
0.263 g  
0.001 in  
✓ Passed  
7.3 Hz  
4.4

Peak Vector Sum  
0.2635 in/s at 0.177 sec

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

0.000387 psi  
102.5 dB(L)  
2.108 sec  
25.9 Hz  
✓ Passed  
20.5 Hz  
1356 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)

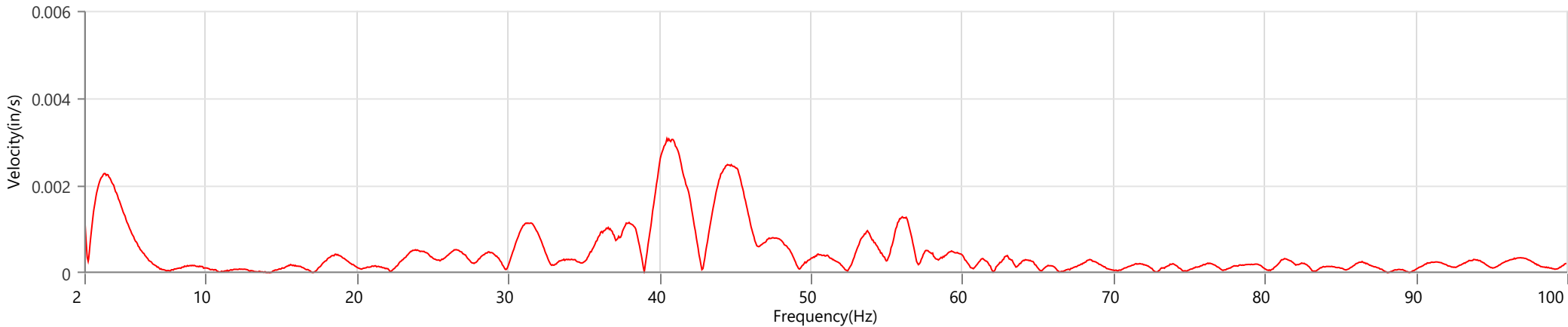


|                                |                                    |                           |                                |
|--------------------------------|------------------------------------|---------------------------|--------------------------------|
| <b>Waveform Trigger Source</b> | Vert at November 21, 2025 11:38:09 | <b>Serial Number</b>      | UM20529                        |
| <b>Trigger Level(s)</b>        | Geo 0.0200 in/s                    | <b>Model Number</b>       | Micromate ISEE 11.0AK          |
| <b>Trigger Level (Mic)</b>     | Mic 0.01029 psi, 131 dB(L)         | <b>Battery Level</b>      | 3.8 volts                      |
| <b>Pre-Trigger/Record Time</b> | 0.50 sec/8.0 sec (Fixed)           | <b>Unit Calibration</b>   | February 14, 2025 by Instantel |
| <b>Sample Rate</b>             | 4096 sps                           | <b>Event File Name</b>    | UM20529_20251121113809.IDFW    |
| <b>Setup File Name</b>         | Spicewood Hwy 71 - Station 3.mmb   | <b>USB Sensor Support</b> | Disabled                       |
| <b>Operator</b>                | Operator                           |                           |                                |

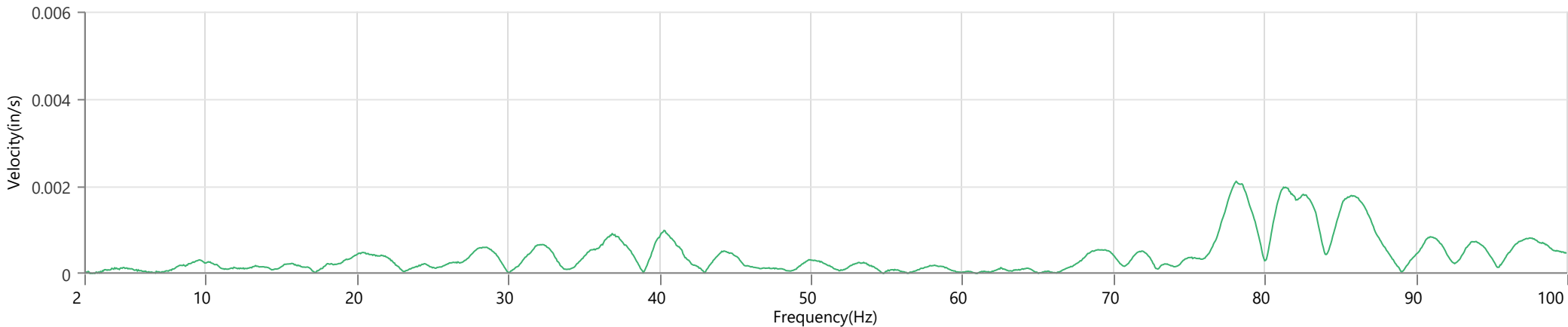
|               |                         |
|---------------|-------------------------|
| <b>Notes</b>  |                         |
| Location      | Station 3               |
| Client        | Spicewood Crushed Stone |
| Company       | Hwy 71 Quarry           |
| General Notes | IGS, Inc.               |

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

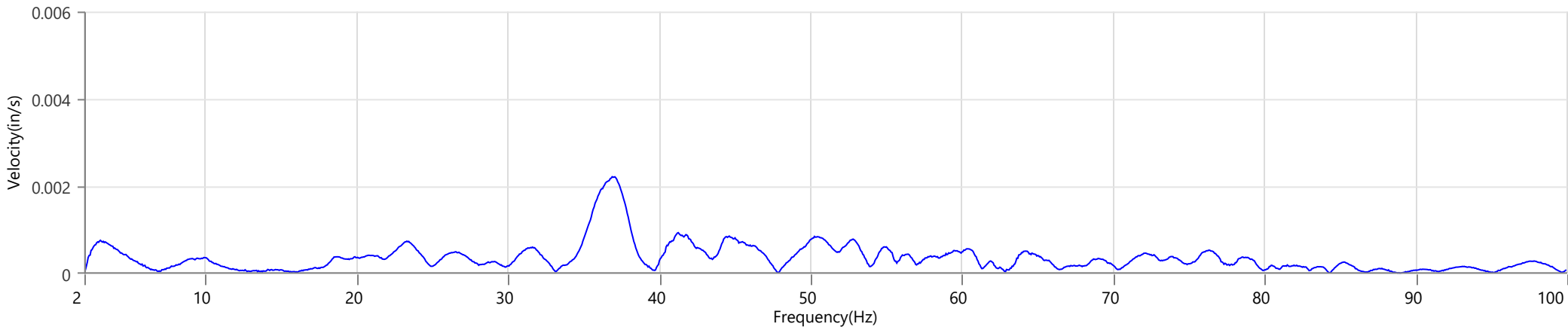
**Tran - Dominant Frequency 40.5 Hz, Amplitude 0.0031 in/s (Peak Particle Velocity: 0.2635 in/s)**



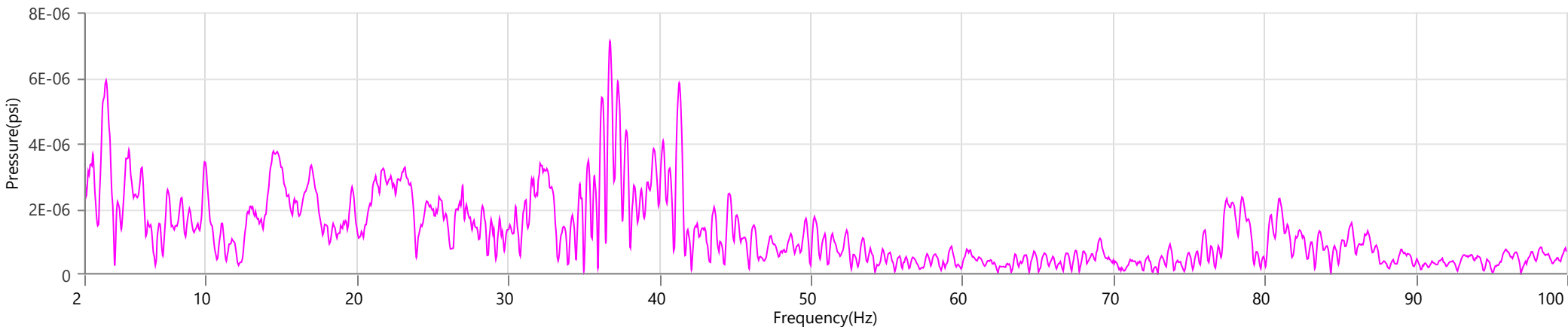
**Vert - Dominant Frequency 78.1 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1825 in/s)**



**Long - Dominant Frequency 36.9 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1859 in/s)**



**Mic - Dominant Frequency 36.8 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000387 psi)**



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

Vert at November 21, 2025 11:38:09  
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\_20251121113809.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  
0.2154 in/s  
44.5 Hz  
0.171 sec  
0.204 g  
0.001 in  
✓ Passed  
7.3 Hz  
4.2

Vert  
0.0856 in/s  
>100 Hz  
0.206 sec  
0.191 g  
0.000 in  
✓ Passed  
7.3 Hz  
4.8

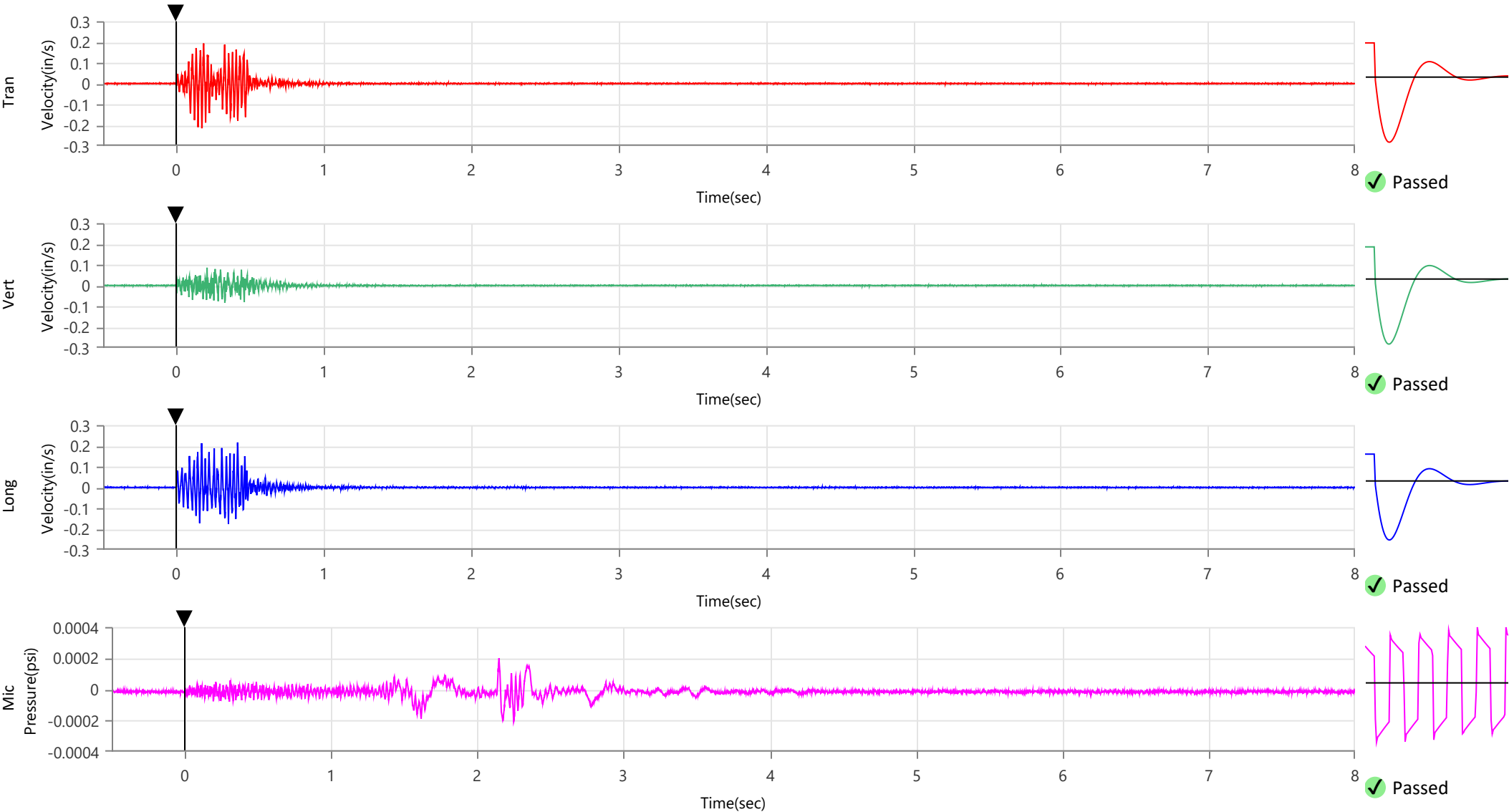
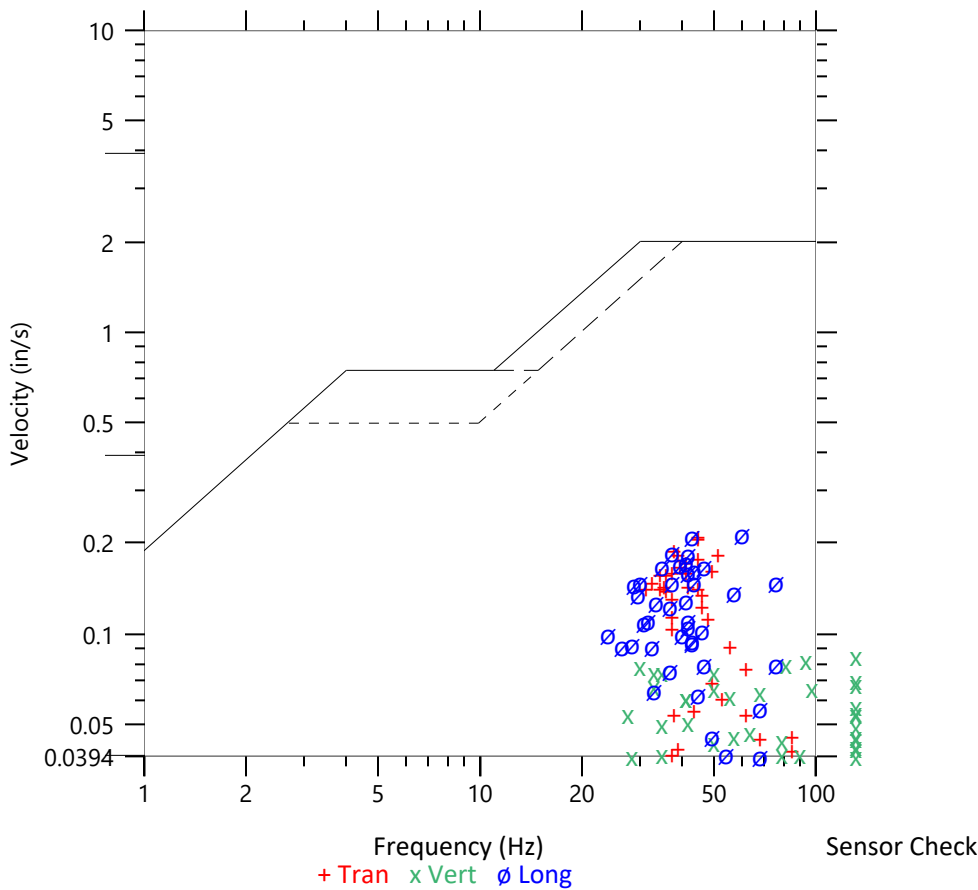
Long  
0.2166 in/s  
60.2 Hz  
0.413 sec  
0.211 g  
0.001 in  
✓ Passed  
7.3 Hz  
4.8

Peak Vector Sum 0.2925 in/s at 0.170 sec

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

0.000209 psi  
97.2 dB(L)  
2.249 sec  
25.3 Hz  
✓ Passed  
20.5 Hz  
1344 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 November 21, 2025 11:38:09  
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**

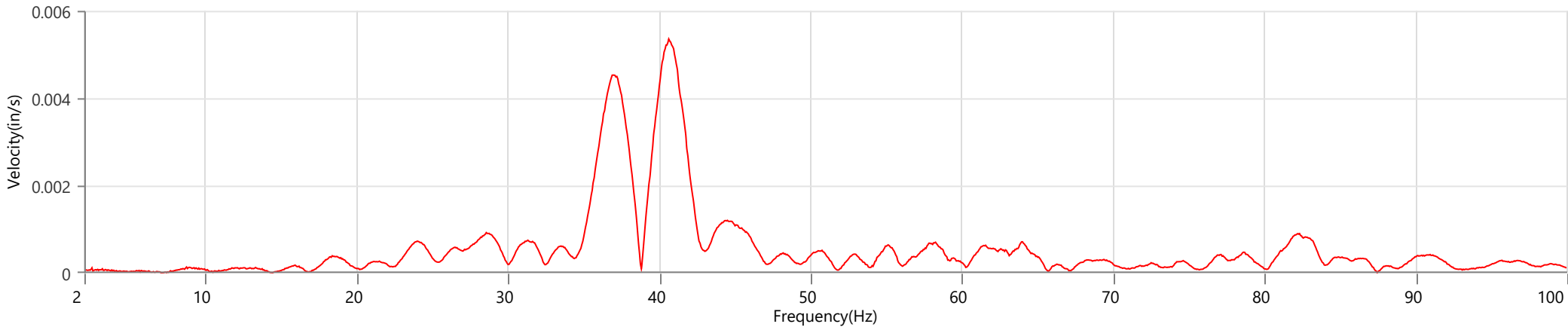
UM22233  
Micromate ISEE 11.0AK  
3.8 volts  
February 20, 2025 by Instantel  
UM22233\_20251121113809.IDFW  
Disabled

**Notes**  
Location  
Client  
Company  
General Notes

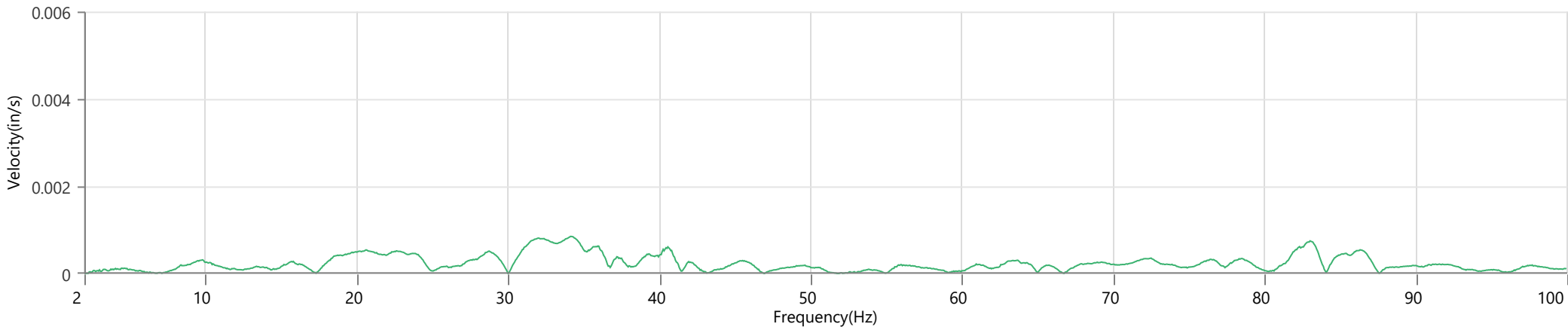
Station 4  
Spicewood Crushed Stone  
Hwy 71 Quarry  
IGS, Inc.

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

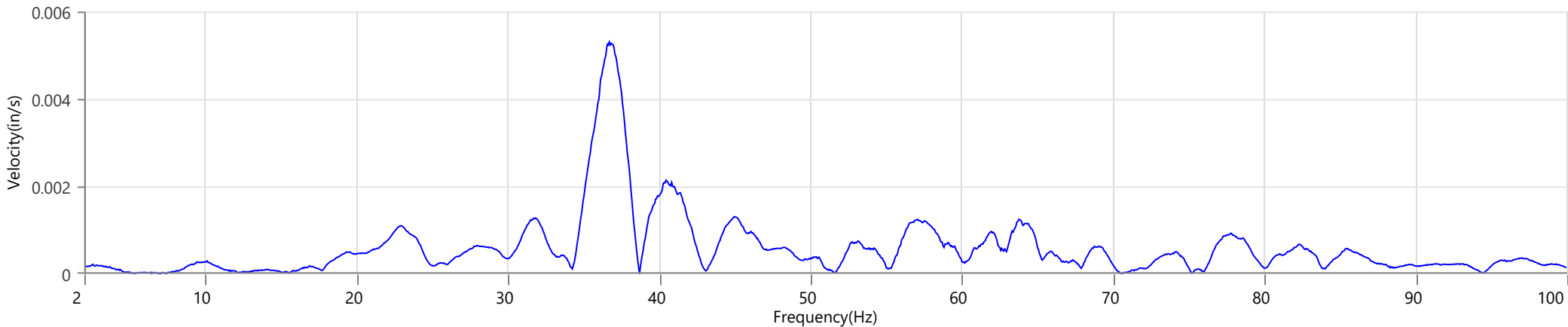
**Tran - Dominant Frequency 40.6 Hz, Amplitude 0.0054 in/s (Peak Particle Velocity: 0.2154 in/s)**



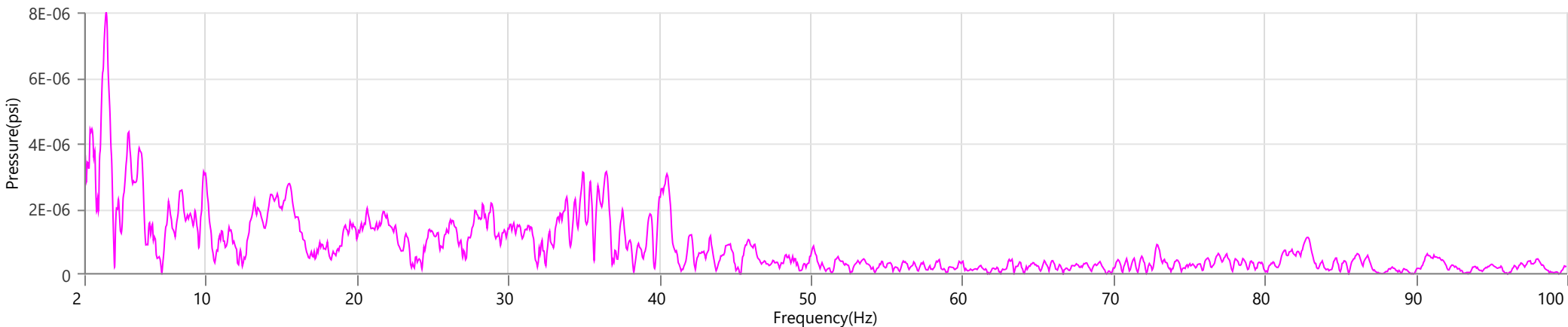
**Vert - Dominant Frequency 34.1 Hz, Amplitude 0.0009 in/s (Peak Particle Velocity: 0.0856 in/s)**



**Long - Dominant Frequency 36.7 Hz, Amplitude 0.0053 in/s (Peak Particle Velocity: 0.2166 in/s)**



**Mic - Dominant Frequency 3.4 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000209 psi)**





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

Vert at November 21, 2025 11:38:09  
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\_20251121113809.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

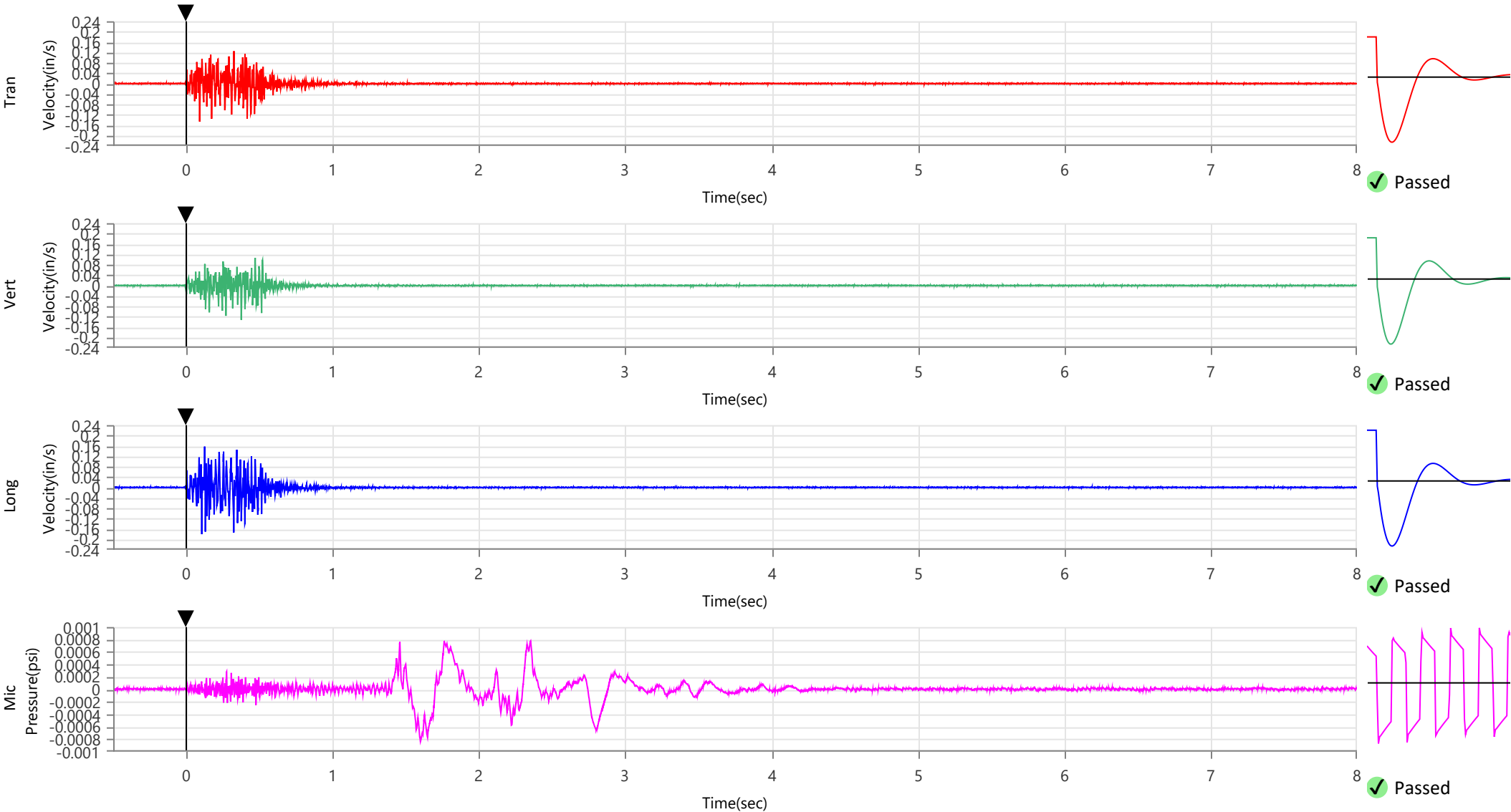
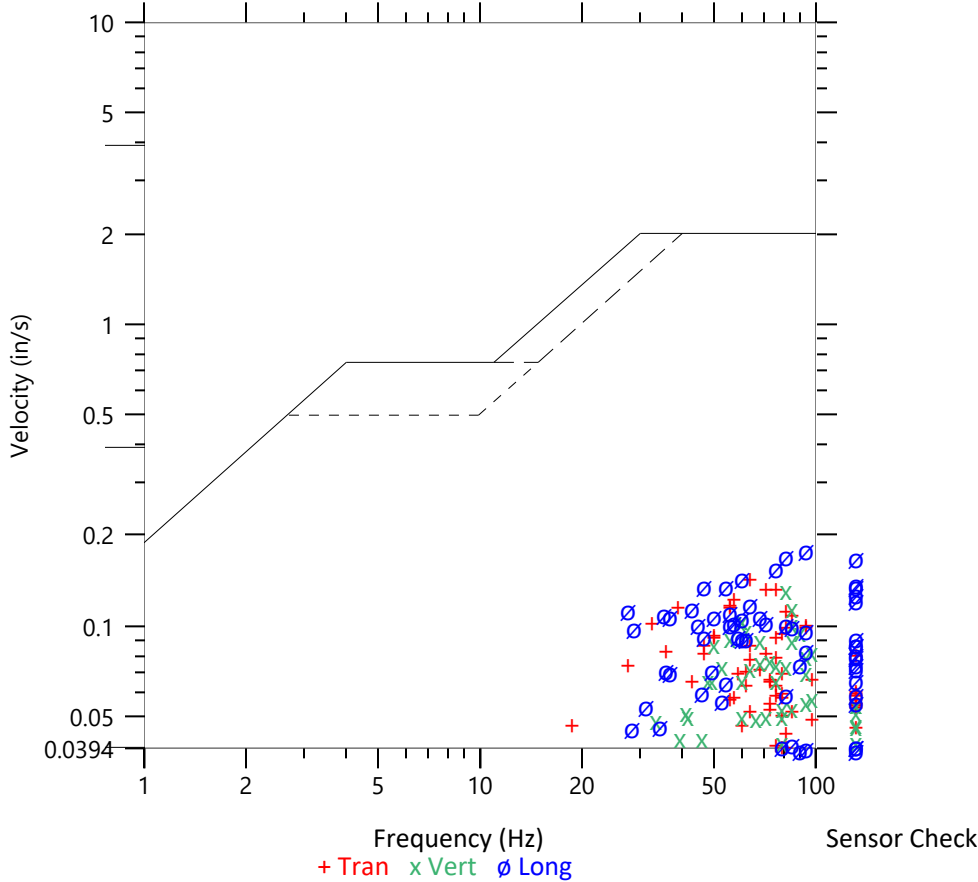
| Tran        | Vert        | Long        |
|-------------|-------------|-------------|
| 0.1465 in/s | 0.1325 in/s | 0.1803 in/s |
| 64.0 Hz     | 81.9 Hz     | 93.1 Hz     |
| 0.091 sec   | 0.376 sec   | 0.105 sec   |
| 0.194 g     | 0.194 g     | 0.293 g     |
| 0.000 in    | 0.000 in    | 0.000 in    |
| ✓ Passed    | ✓ Passed    | ✓ Passed    |
| 7.3 Hz      | 7.7 Hz      | 7.1 Hz      |
| 3.5         | 3.5         | 3.7         |

Peak Vector Sum 0.2003 in/s at 0.401 sec

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

0.000839 psi  
109.2 dB(L)  
1.600 sec  
2.8 Hz  
✓ Passed  
19.7 Hz  
1362 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 November 21, 2025 11:38:09  
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**

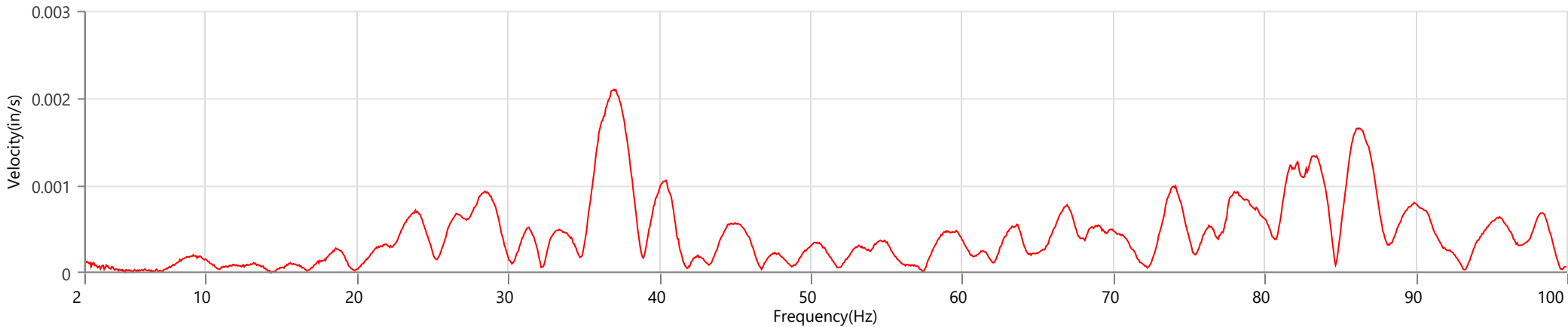
UM9228  
Micromate ISEE 11.0AK  
3.8 volts  
April 24, 2025 by Instantel  
UM9228\_20251121113809.IDFW  
Disabled

**Notes**  
Location  
Client  
Company  
General Notes

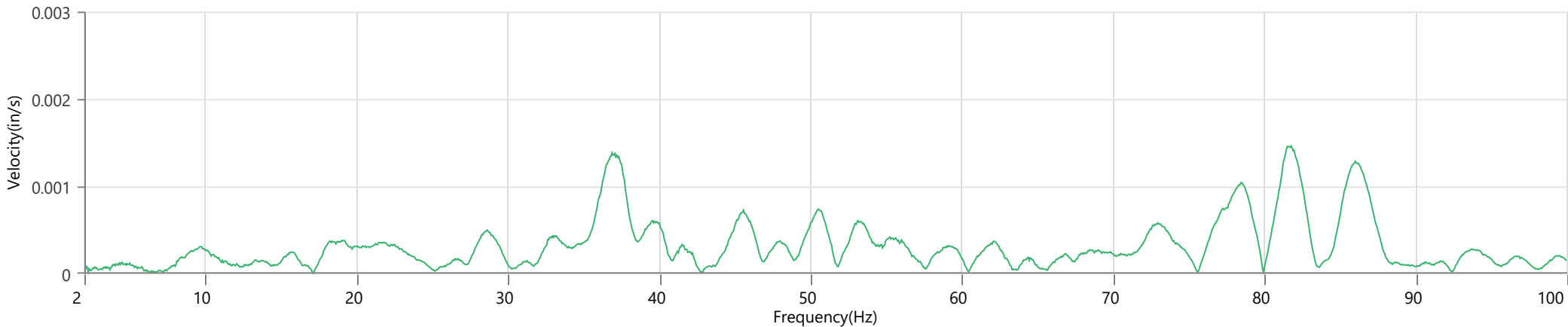
Station 5  
Spicewood Crushed Stone  
Hwy 71 Quarry  
IGS, Inc.

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

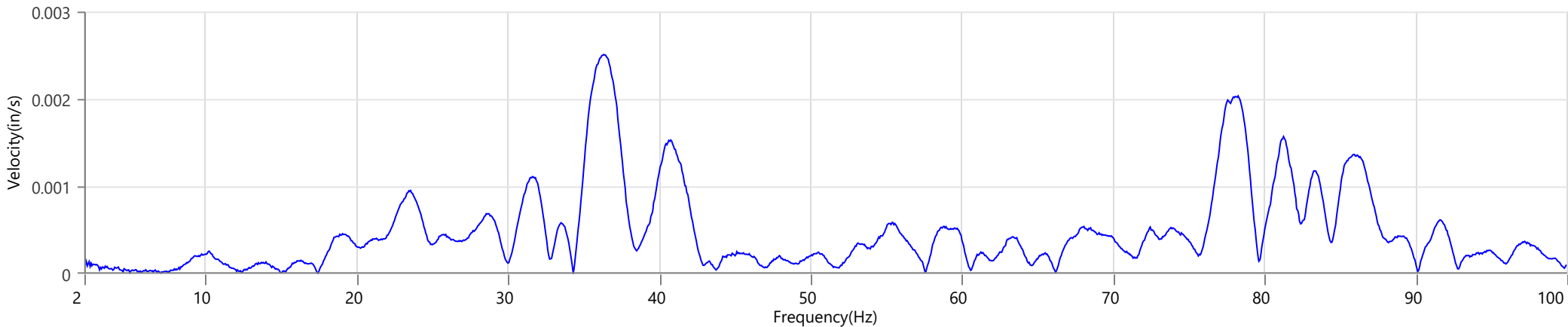
**Tran - Dominant Frequency 37.0 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1465 in/s)**



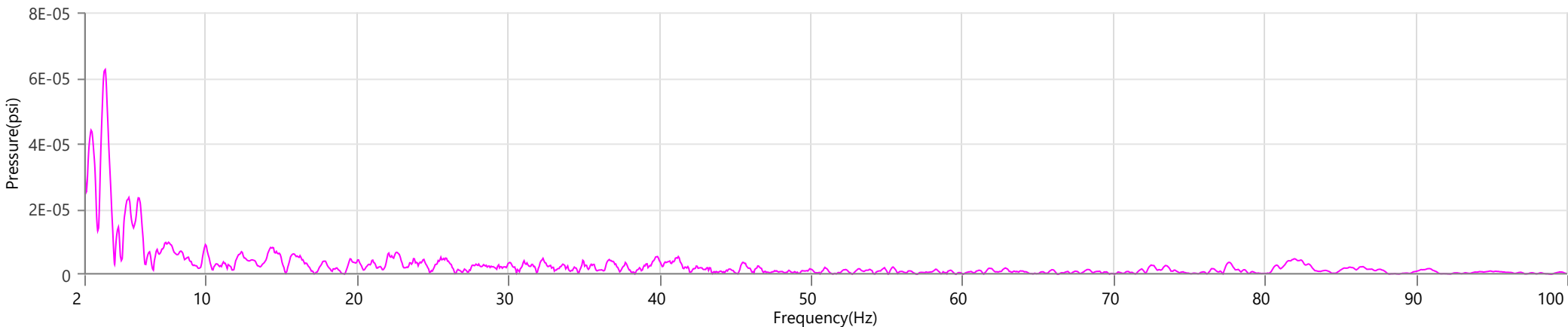
**Vert - Dominant Frequency 81.8 Hz, Amplitude 0.0015 in/s (Peak Particle Velocity: 0.1325 in/s)**



**Long - Dominant Frequency 36.3 Hz, Amplitude 0.0025 in/s (Peak Particle Velocity: 0.1803 in/s)**



**Mic - Dominant Frequency 3.4 Hz, Amplitude 0.00006 psi (Peak Sound Pressure Level: 0.000839 psi)**





Waveform Trigger Source Long at November 21, 2025 11:38:09  
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\_20251121113809.IDFW  
USB Sensor Support Disabled

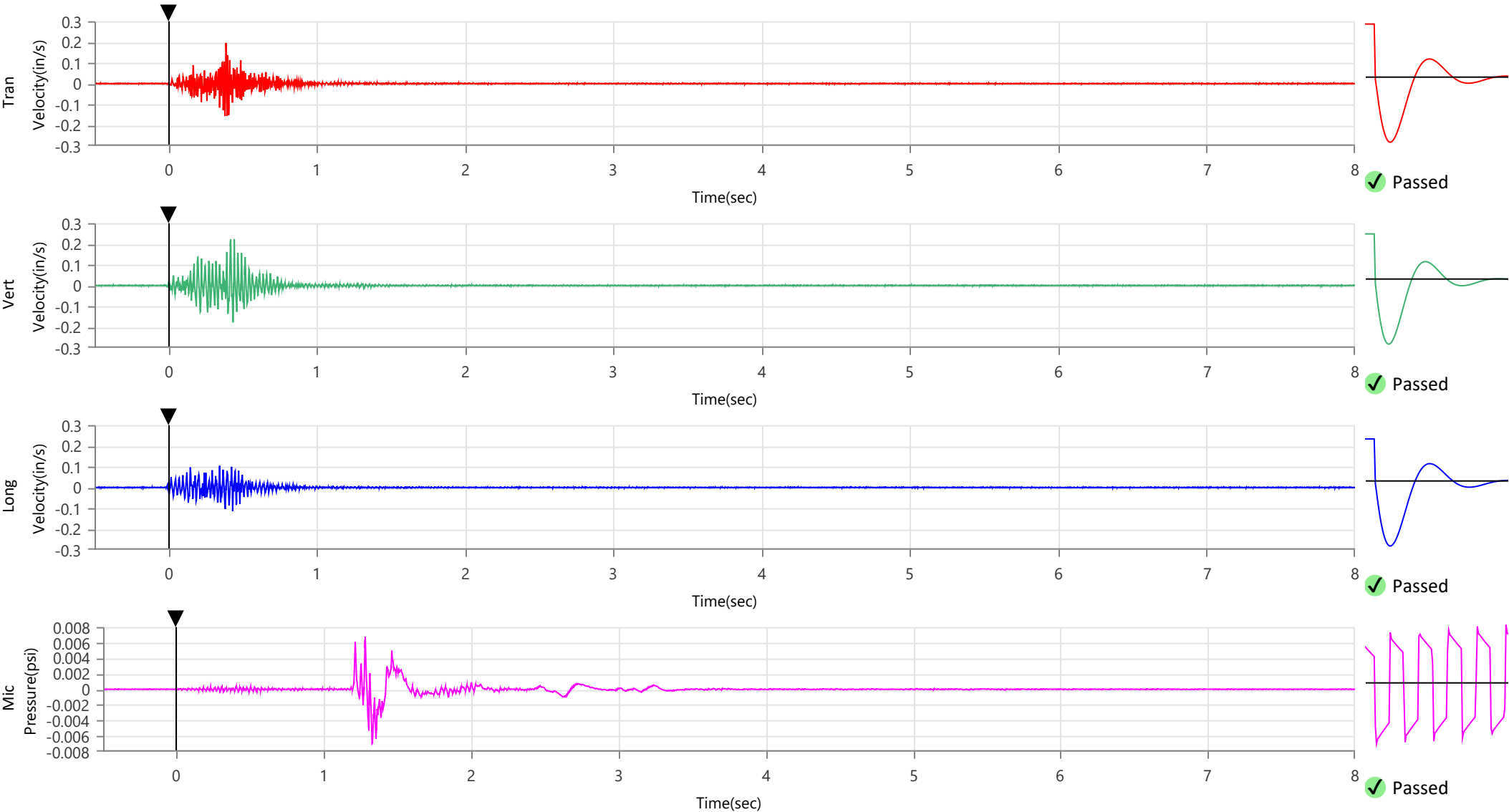
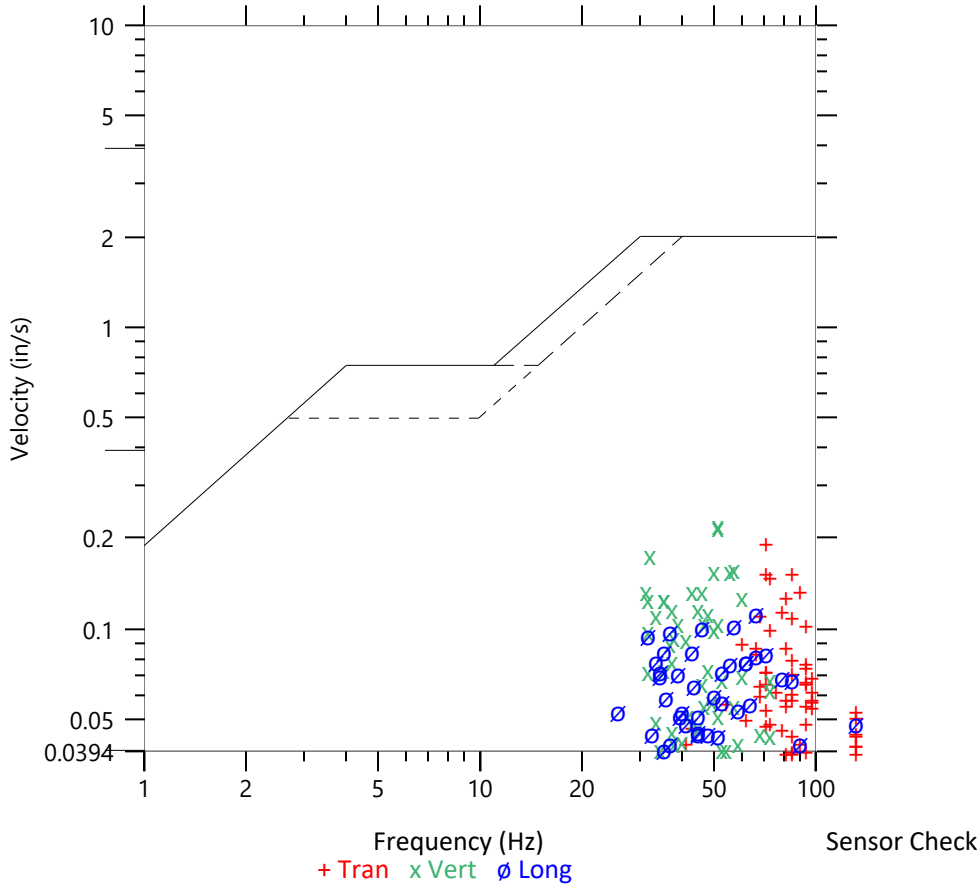
Notes  
Location Station 6  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

|                            |                          |             |             |
|----------------------------|--------------------------|-------------|-------------|
| <b>Geophone</b>            | <b>Tran</b>              | <b>Vert</b> | <b>Long</b> |
| Peak Particle Velocity     | 0.1958 in/s              | 0.2234 in/s | 0.1142 in/s |
| Zero Crossing Frequency    | 70.6 Hz                  | 51.2 Hz     | 66.1 Hz     |
| Time (Relative to Trigger) | 0.387 sec                | 0.443 sec   | 0.432 sec   |
| Peak Acceleration          | 0.217 g                  | 0.191 g     | 0.142 g     |
| Peak Displacement          | 0.000 in                 | 0.001 in    | 0.000 in    |
| Sensor Check               | ✓ Passed                 | ✓ Passed    | ✓ Passed    |
| Frequency                  | 7.3 Hz                   | 7.9 Hz      | 7.3 Hz      |
| Overswing Ratio            | 3.5                      | 3.7         | 3.7         |
| Peak Vector Sum            | 0.2358 in/s at 0.394 sec |             |             |

**ISEE Linear Microphone**  
Peak Sound Pressure Level 0.006965 psi  
Peak Sound Pressure Level 127.6 dB(L)  
Time (Relative to Trigger) 1.327 sec  
Zero Crossing Frequency 4.8 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1448 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)

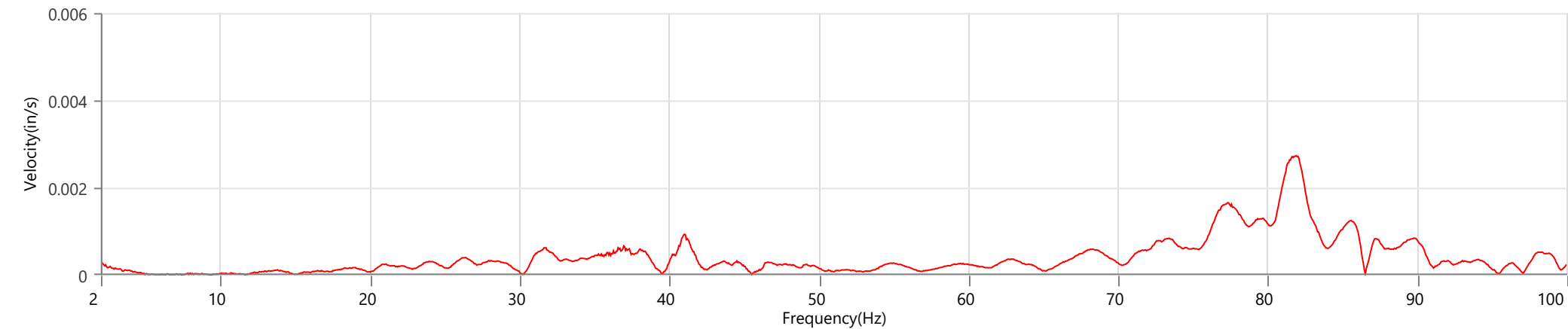


|                                |                                    |                           |                            |
|--------------------------------|------------------------------------|---------------------------|----------------------------|
| <b>Waveform Trigger Source</b> | Long at November 21, 2025 11:38:09 | <b>Serial Number</b>      | UM6470                     |
| <b>Trigger Level(s)</b>        | Geo 0.0200 in/s                    | <b>Model Number</b>       | Micromate ISEE 11.0AK      |
| <b>Trigger Level (Mic)</b>     | Mic 0.01029 psi, 131 dB(L)         | <b>Battery Level</b>      | 3.8 volts                  |
| <b>Pre-Trigger/Record Time</b> | 0.50 sec/8.0 sec (Fixed)           | <b>Unit Calibration</b>   | May 1, 2025 by Instantel   |
| <b>Sample Rate</b>             | 4096 sps                           | <b>Event File Name</b>    | UM6470_20251121113809.IDFW |
| <b>Setup File Name</b>         | Spicewood Hwy 71 - Station 6.mmb   | <b>USB Sensor Support</b> | Disabled                   |
| <b>Operator</b>                | Operator                           |                           |                            |

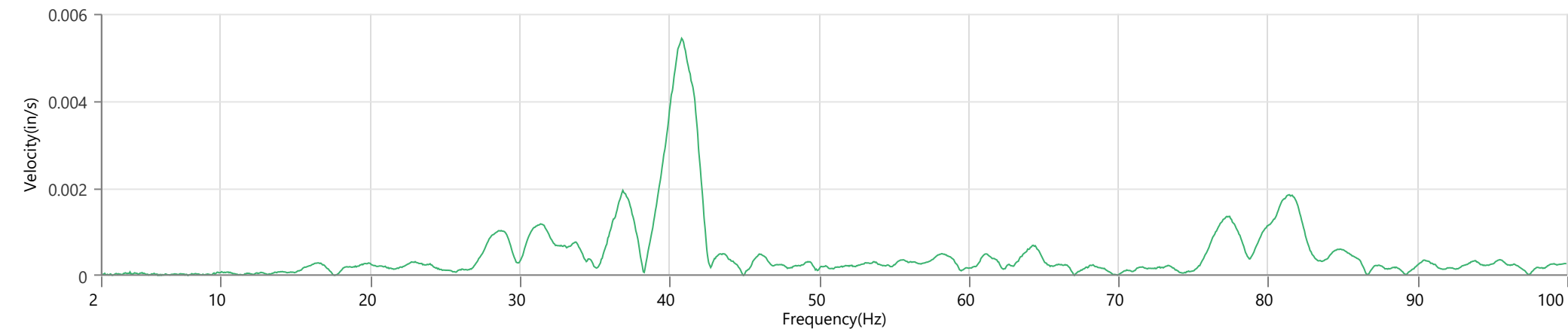
|               |                         |
|---------------|-------------------------|
| <b>Notes</b>  |                         |
| Location      | Station 6               |
| Client        | Spicewood Crushed Stone |
| Company       | Hwy 71 Quarry           |
| General Notes | IGS, Inc.               |

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

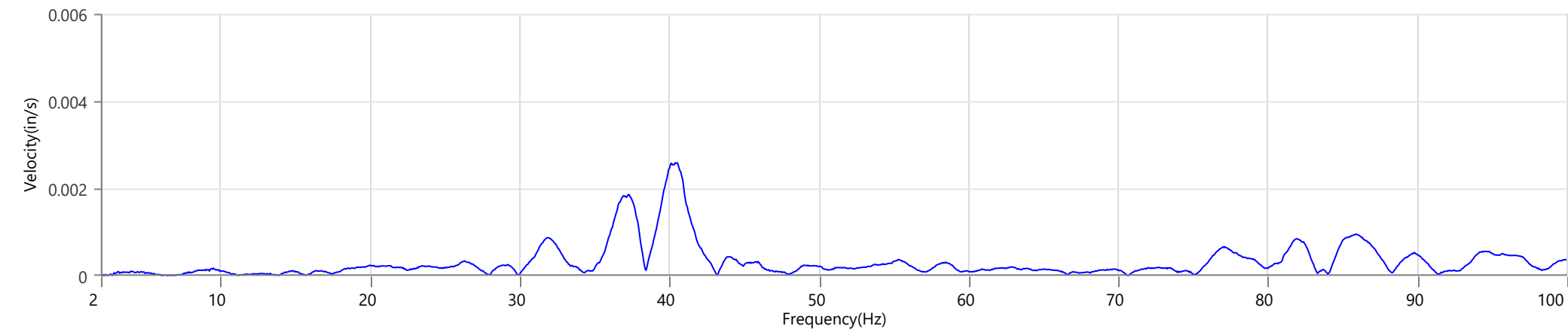
**Tran - Dominant Frequency 81.9 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.1958 in/s)**



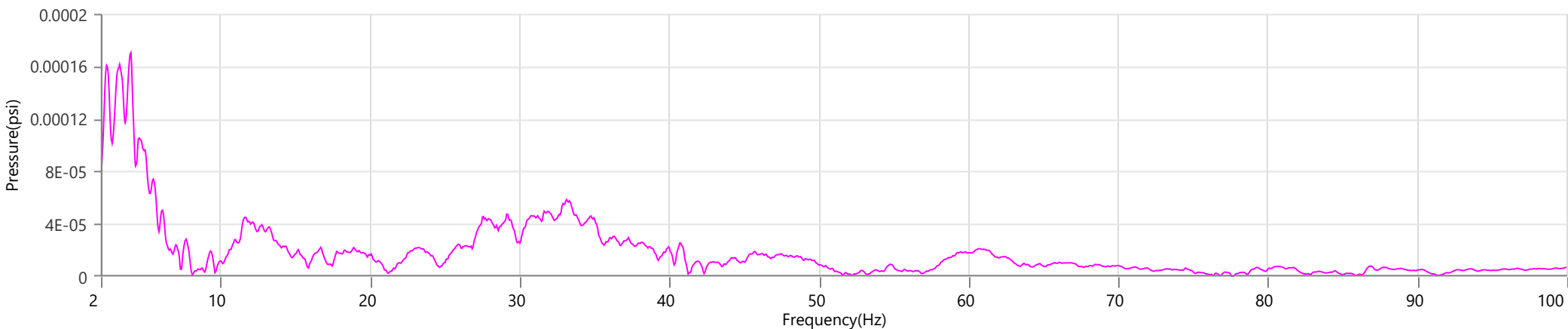
**Vert - Dominant Frequency 40.8 Hz, Amplitude 0.0054 in/s (Peak Particle Velocity: 0.2234 in/s)**



**Long - Dominant Frequency 40.5 Hz, Amplitude 0.0026 in/s (Peak Particle Velocity: 0.1142 in/s)**



**Mic - Dominant Frequency 4.0 Hz, Amplitude 0.00017 psi (Peak Sound Pressure Level: 0.006965 psi)**



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

November 21, 2025 00:00:05

November 21, 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\_20251121000005.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

72.1 dB(A)

Nov 21, 2025

00:13:05

LMin

L10

L90

Leq

34.4

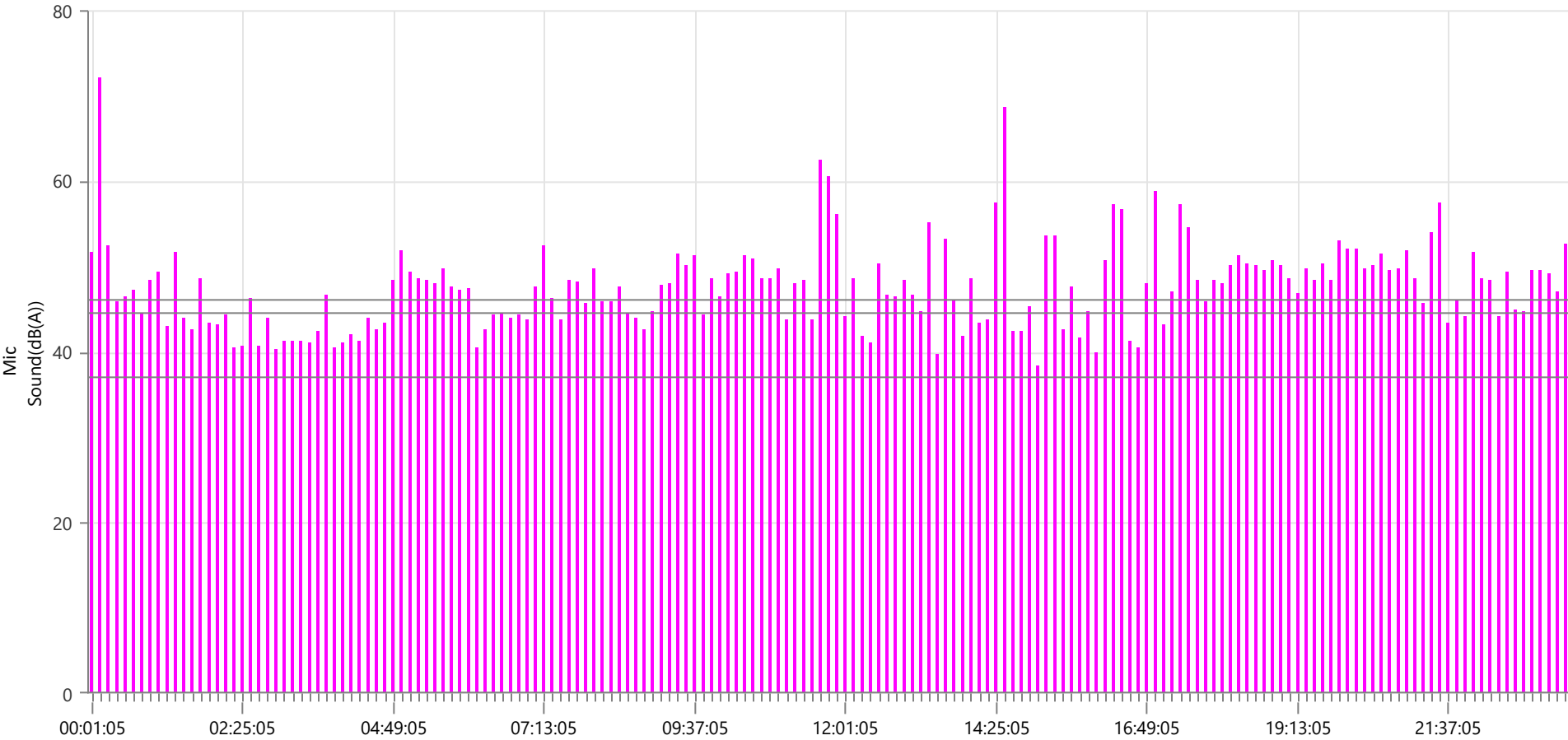
46

37

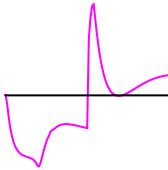
44.5

✓ Passed

1095 mv



Sensor Check



✓ Passed



StartNovember 21, 2025 00:00:04

FinishNovember 21, 2025 23:29:59

Number of Intervals/Interval1409.93/60 sec

Sample Rate4096 sps

Setup File NameSpicewood Hwy 71 - Noise 3.mmb

OperatorOperator

Serial NumberUM8328

Model NumberMicromate ISEE 11.0AK

Battery Level3.8 volts

Unit CalibrationMay 22, 2025 by Instantel

Microphone CalibrationUA10376, February 18, 2025 by Field

Event File NameCalibration

USB Sensor SupportUM8328\_20251121000004.IDFH

Disabled

Notes

LocationNoise 3

ClientSpicewood Crushed Stone

CompanyHwy 71 Quarry

General NotesIGS, Inc.

Extended NoteN30.490958 W98.213495

Post Event NotesNo text to be displayed.

Sound Level Microphone

LMax71.1 dB(A)

DateNov 21, 2025

Time20:31:04

LMin36.0

L1051

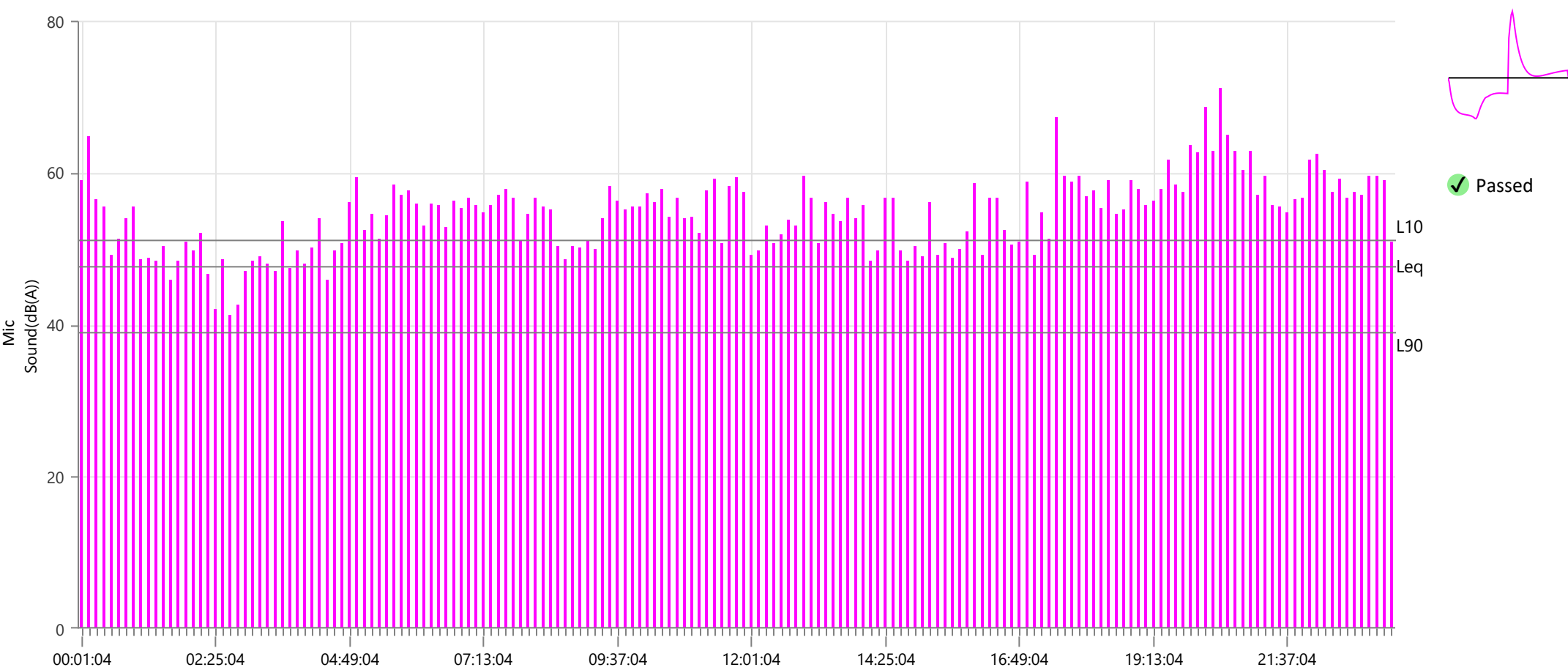
L9039

Leq47.7

Sound(dB(A))

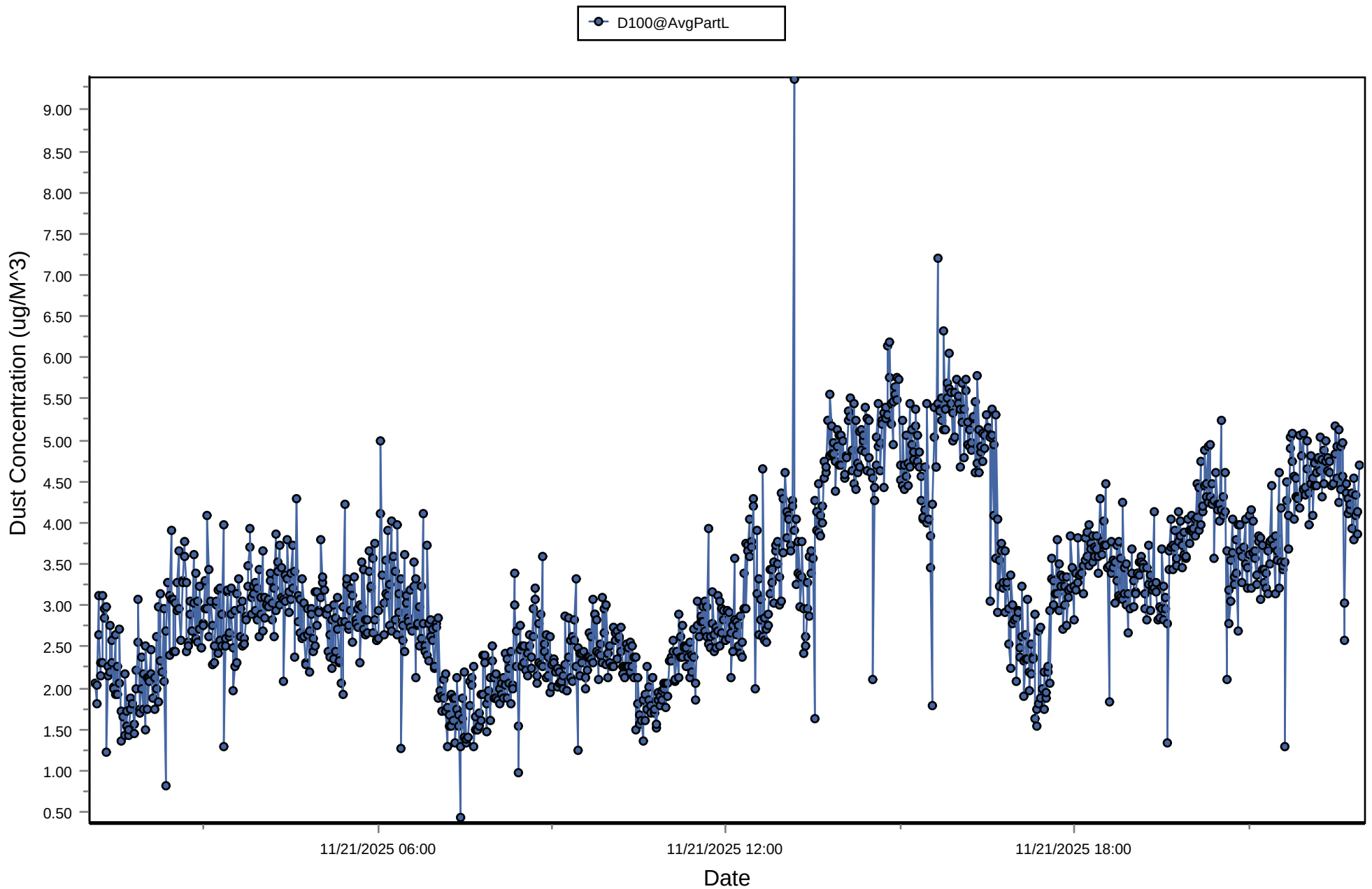
Sensor Check✓ Passed

Test Amplitude984 mv



# Spicewood Crushed Stone - Hwy 71 Quarry

## South Dust Monitor



# Spicewood Crushed Stone - Hwy 71 Quarry

## North Dust Monitor

