

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

Vert at October 29, 2024 11:30:32  
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

UM7450  
Micromate ISEE 11.0AK  
3.8 volts  
June 28, 2024 by Instantel  
UM7450\_20241029113032.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

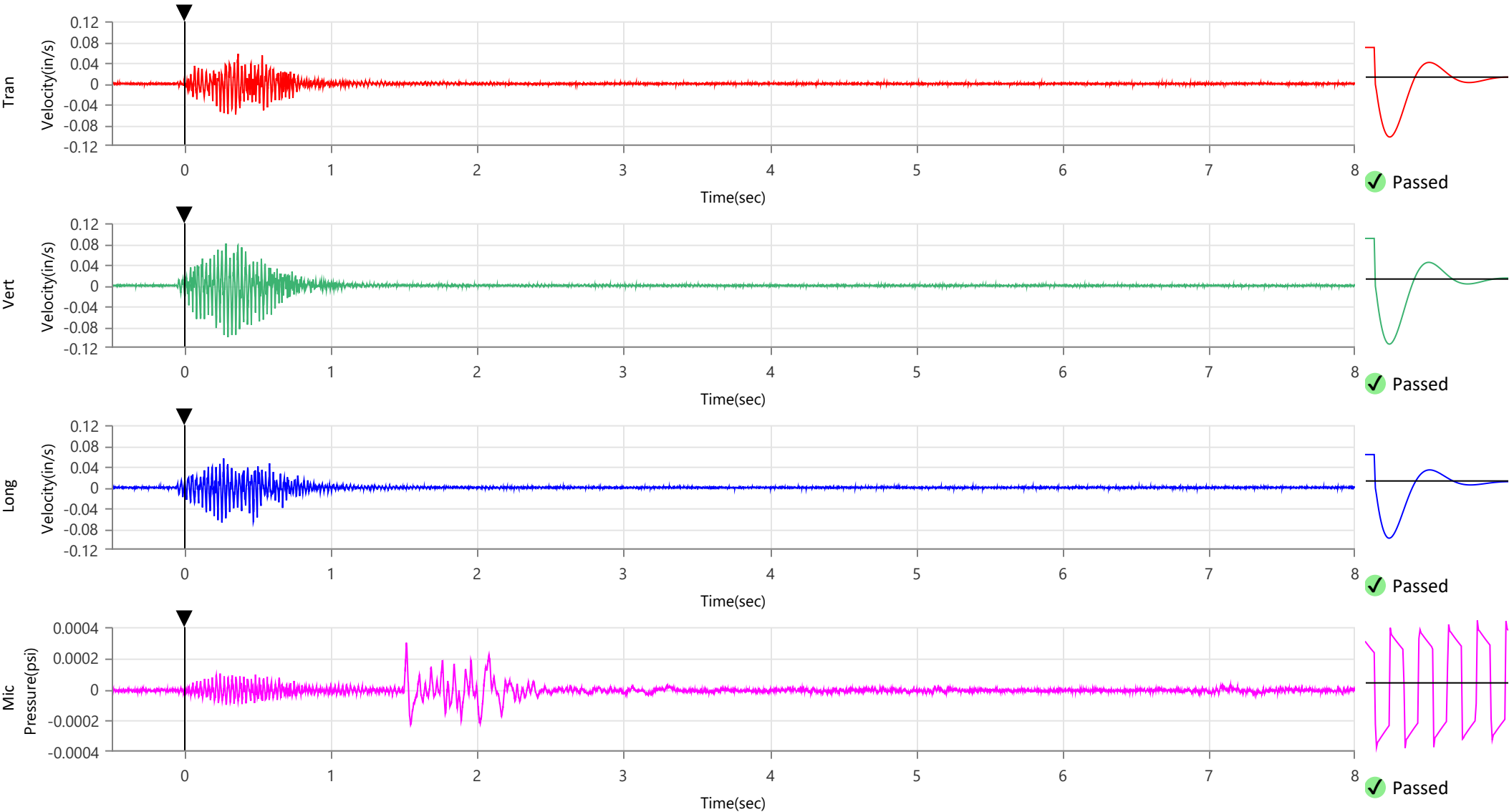
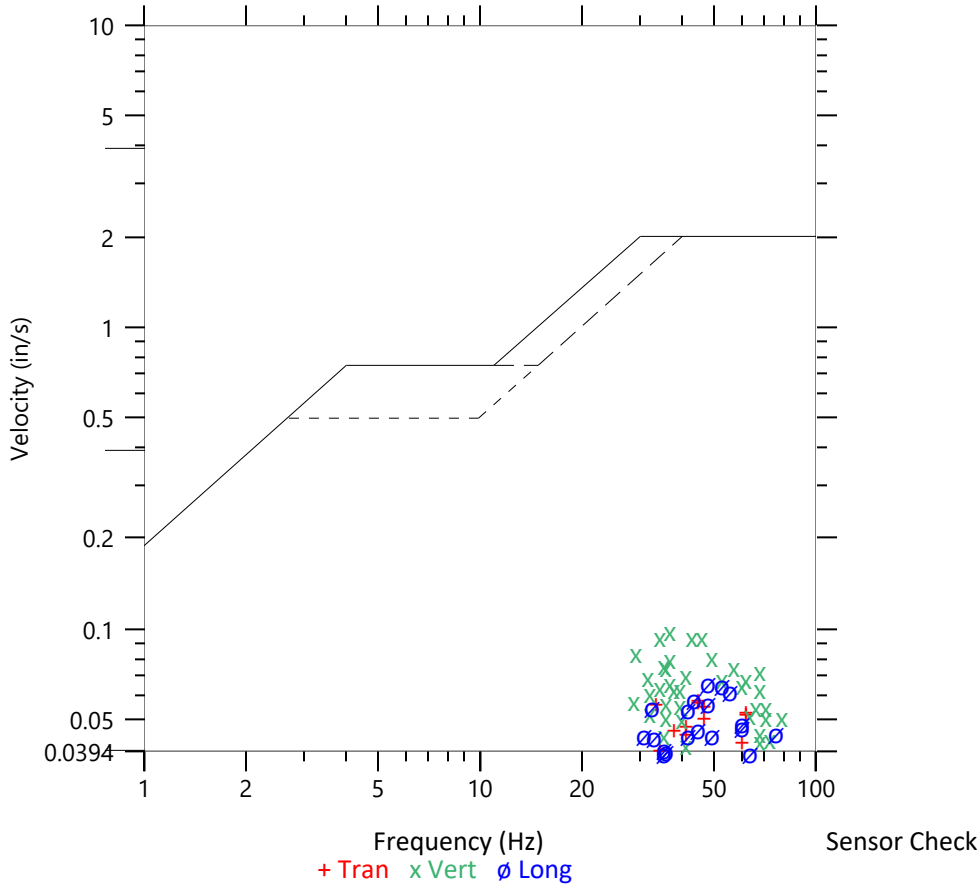
| Tran        | Vert        | Long        |
|-------------|-------------|-------------|
| 0.0599 in/s | 0.0996 in/s | 0.0676 in/s |
| 44.5 Hz     | 36.6 Hz     | 47.6 Hz     |
| 0.348 sec   | 0.295 sec   | 0.253 sec   |
| 0.059 g     | 0.082 g     | 0.082 g     |
| 0.000 in    | 0.000 in    | 0.000 in    |
| ✓ Passed    | ✓ Passed    | ✓ Passed    |
| 7.3 Hz      | 7.5 Hz      | 7.1 Hz      |
| 4.0         | 3.9         | 5.1         |

Peak Vector Sum 0.1215 in/s at 0.295 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)  
1.515 sec  
17.8 Hz  
✓ Passed  
20.5 Hz  
1281 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 October 29, 2024 11:30:32  
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

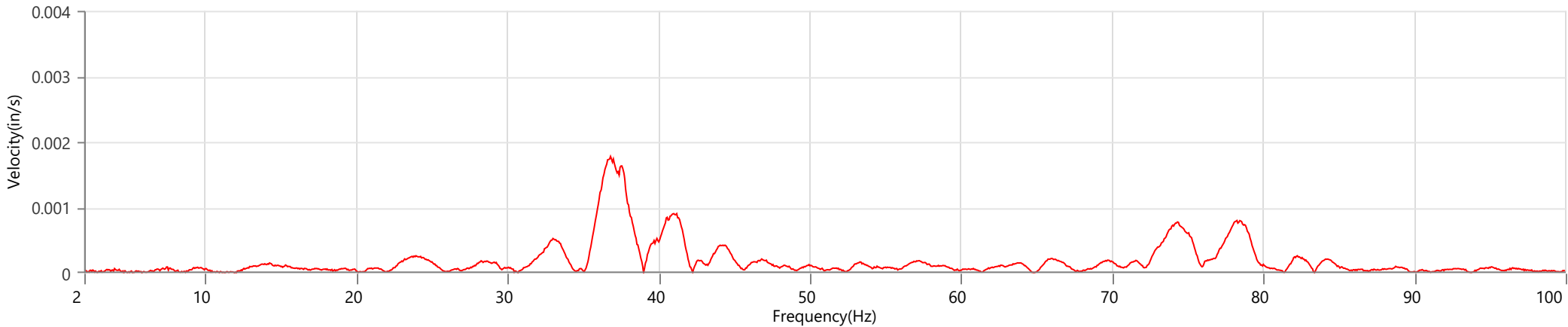
UM7450  
Micromate ISEE 11.0AK  
3.8 volts  
June 28, 2024 by Instantel  
UM7450\_20241029113032.IDFW  
Disabled

Notes  
Location  
Client  
Company  
General Notes

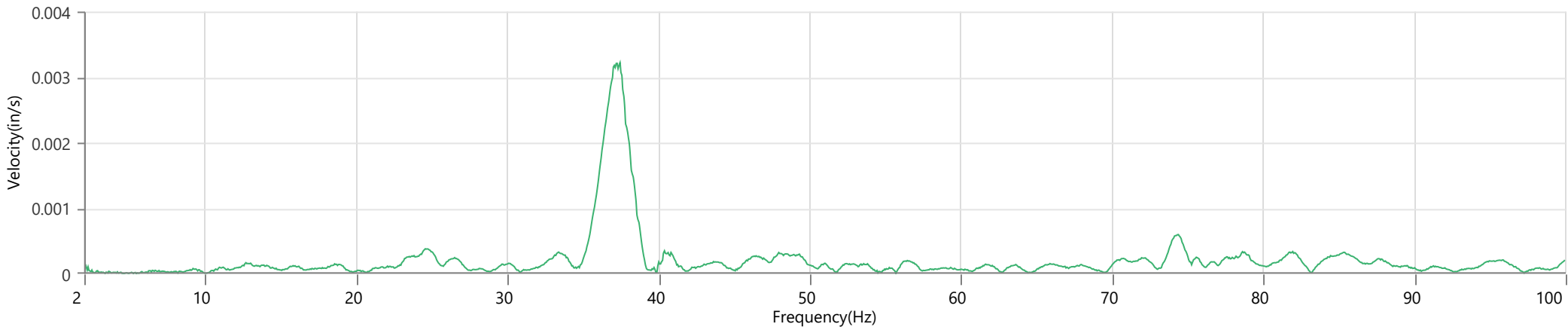
Station 2  
Spicewood Crushed Stone  
Hwy 71  
IGS, Inc

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

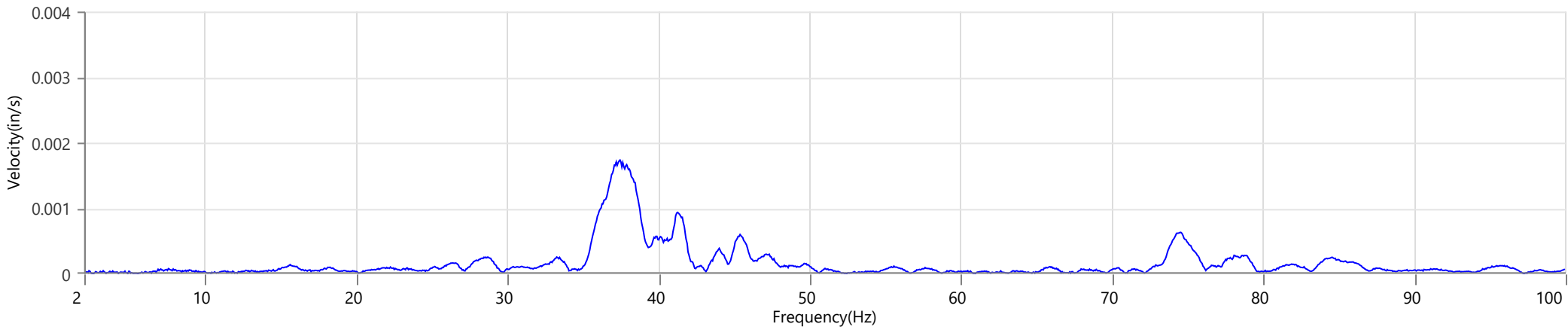
Tran - Dominant Frequency 36.8 Hz, Amplitude 0.0018 in/s (Peak Particle Velocity: 0.0599 in/s)



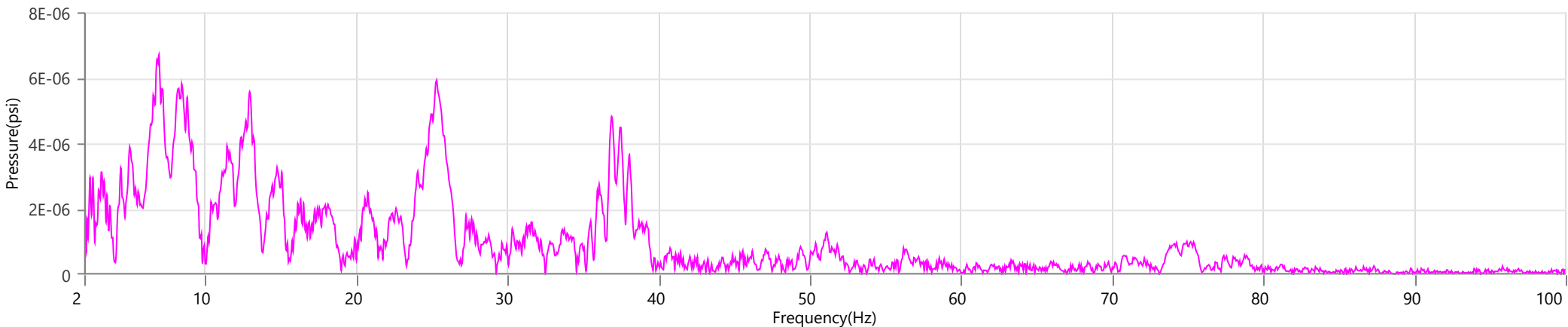
Vert - Dominant Frequency 37.4 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.0996 in/s)



Long - Dominant Frequency 37.4 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.0676 in/s)



Mic - Dominant Frequency 6.9 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000299 psi)



Waveform Trigger Source Long at October 29, 2024 11:30:32  
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 UM18138  
Model Number Micromate ISEE 11.0AK  
Battery Level 3.8 volts  
Unit Calibration March 25, 2024 by Instantel  
Event File Name UM18138\_20241029113032.IDFW  
USB Sensor Support Disabled

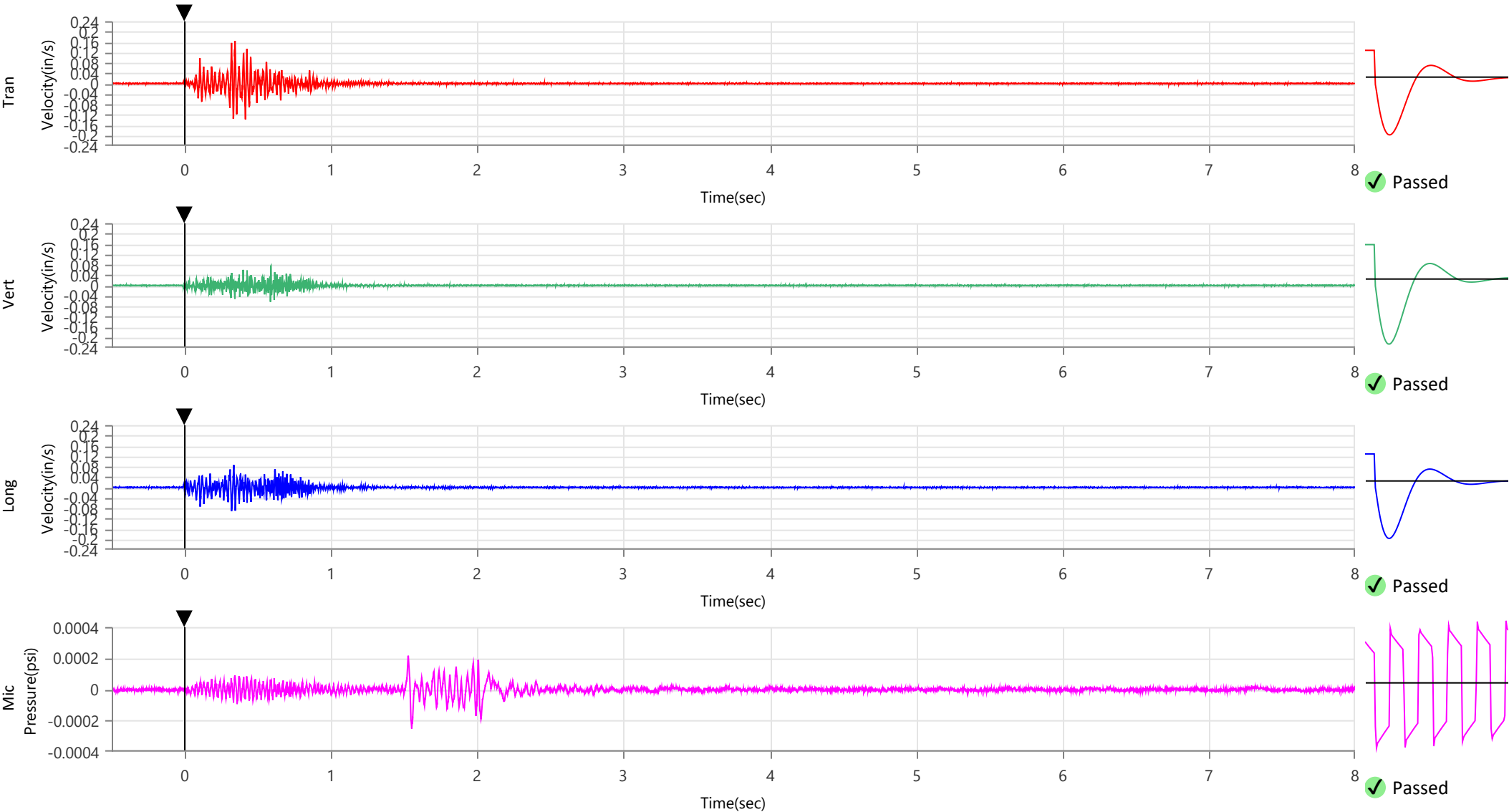
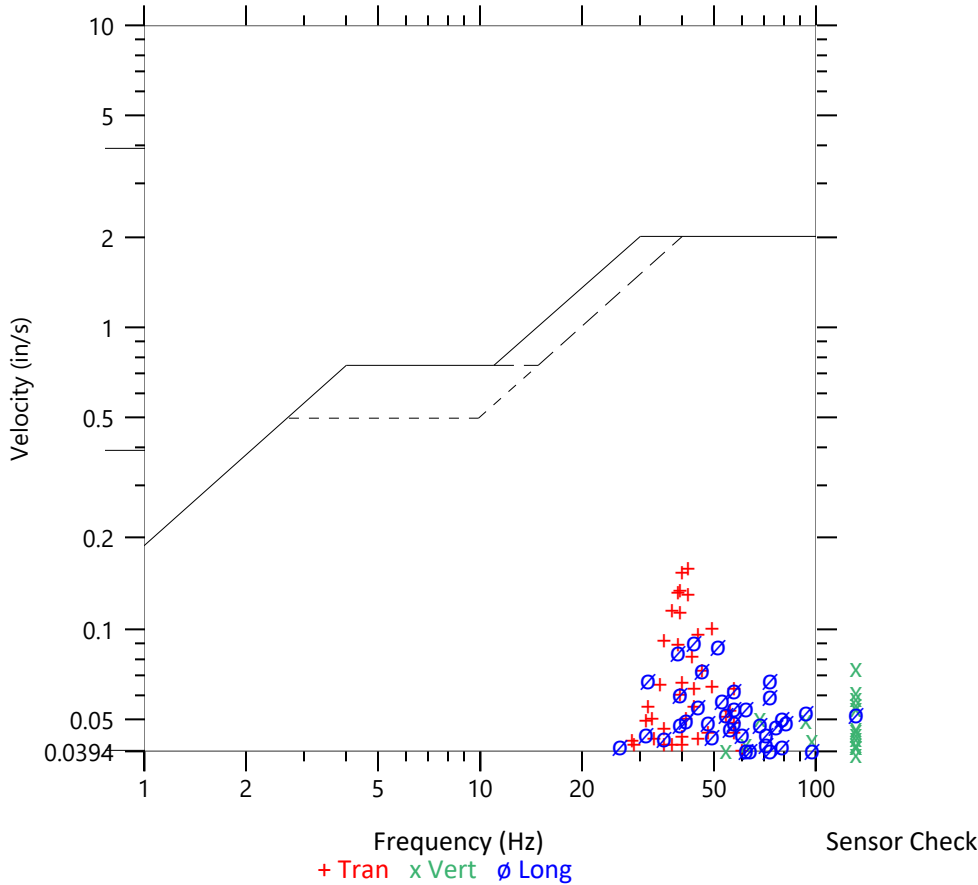
Notes  
Location Station 3  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

| Geophone                   | Tran                     | Vert        | Long        |
|----------------------------|--------------------------|-------------|-------------|
| Peak Particle Velocity     | 0.1638 in/s              | 0.0763 in/s | 0.0919 in/s |
| Zero Crossing Frequency    | 41.8 Hz                  | >100 Hz     | 43.6 Hz     |
| Time (Relative to Trigger) | 0.344 sec                | 0.589 sec   | 0.320 sec   |
| Peak Acceleration          | 0.132 g                  | 0.171 g     | 0.102 g     |
| Peak Displacement          | 0.001 in                 | 0.000 in    | 0.000 in    |
| Sensor Check               | ✓ Passed                 | ✓ Passed    | ✓ Passed    |
| Frequency                  | 6.9 Hz                   | 7.3 Hz      | 7.1 Hz      |
| Overswing Ratio            | 4.9                      | 4.1         | 4.8         |
| Peak Vector Sum            | 0.1822 in/s at 0.319 sec |             |             |

ISEE Linear Microphone  
Peak Sound Pressure Level 0.000252 psi  
Peak Sound Pressure Level 98.8 dB(L)  
Time (Relative to Trigger) 1.551 sec  
Zero Crossing Frequency 18.0 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1325 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



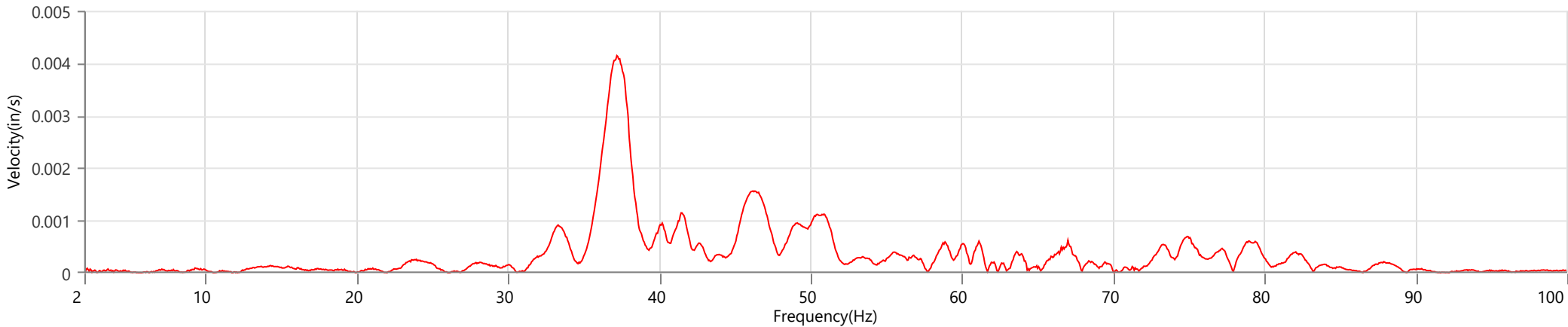
Waveform Trigger Source Long at October 29, 2024 11:30:32  
Trigger Level(s) Geo 0.0200 in/s  
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)  
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)  
Sample Rate 4096 sps  
Setup File Name Spicewood Hwy 71 - Station 3.mmb  
Operator Operator

Serial Number UM18138  
Model Number Micromate ISEE 11.0AK  
Battery Level 3.8 volts  
Unit Calibration March 25, 2024 by Instantel  
Event File Name UM18138\_20241029113032.IDFW  
USB Sensor Support Disabled

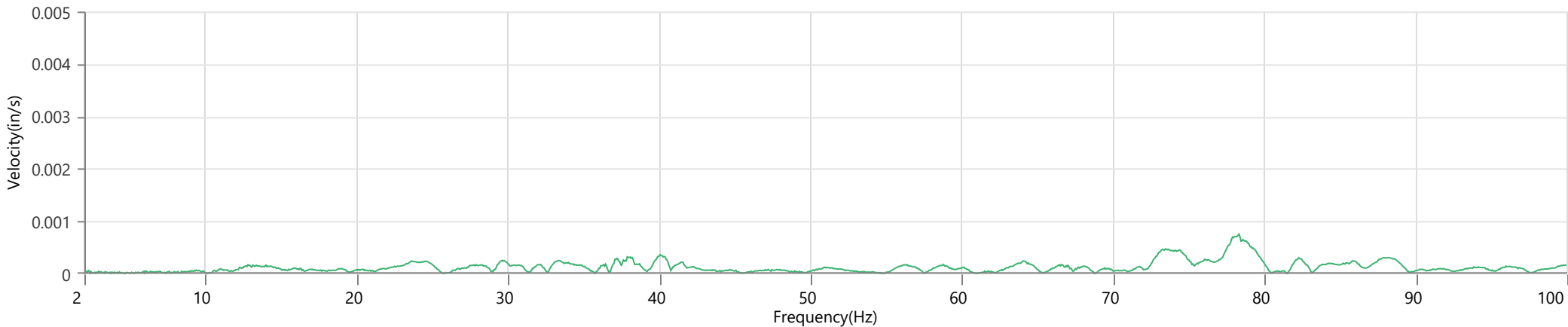
Notes  
Location Station 3  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

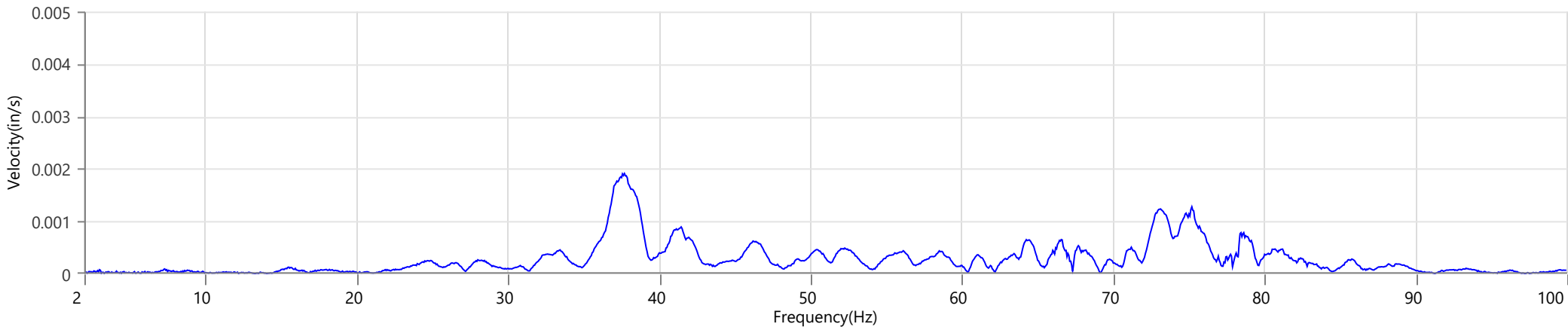
Tran - Dominant Frequency 37.2 Hz, Amplitude 0.0041 in/s (Peak Particle Velocity: 0.1638 in/s)



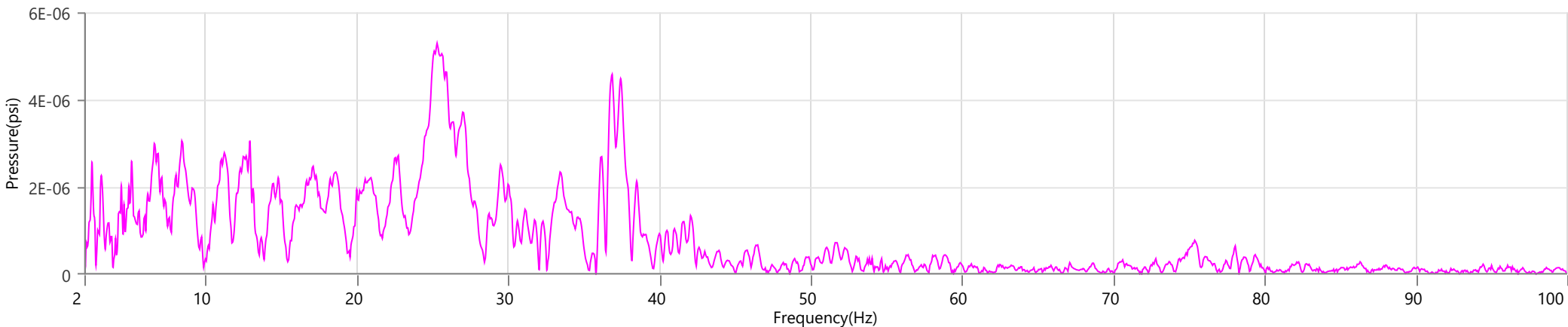
Vert - Dominant Frequency 78.3 Hz, Amplitude 0.0008 in/s (Peak Particle Velocity: 0.0763 in/s)



Long - Dominant Frequency 37.7 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.0919 in/s)



Mic - Dominant Frequency 25.3 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000252 psi)



Waveform Trigger Source Long at October 29, 2024 11:30:33  
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 UM8723  
Model Number Micromate ISEE 11.0AK  
Battery Level 3.8 volts  
Unit Calibration March 25, 2024 by Instantel  
Event File Name UM8723\_20241029113033.IDFW  
USB Sensor Support Disabled

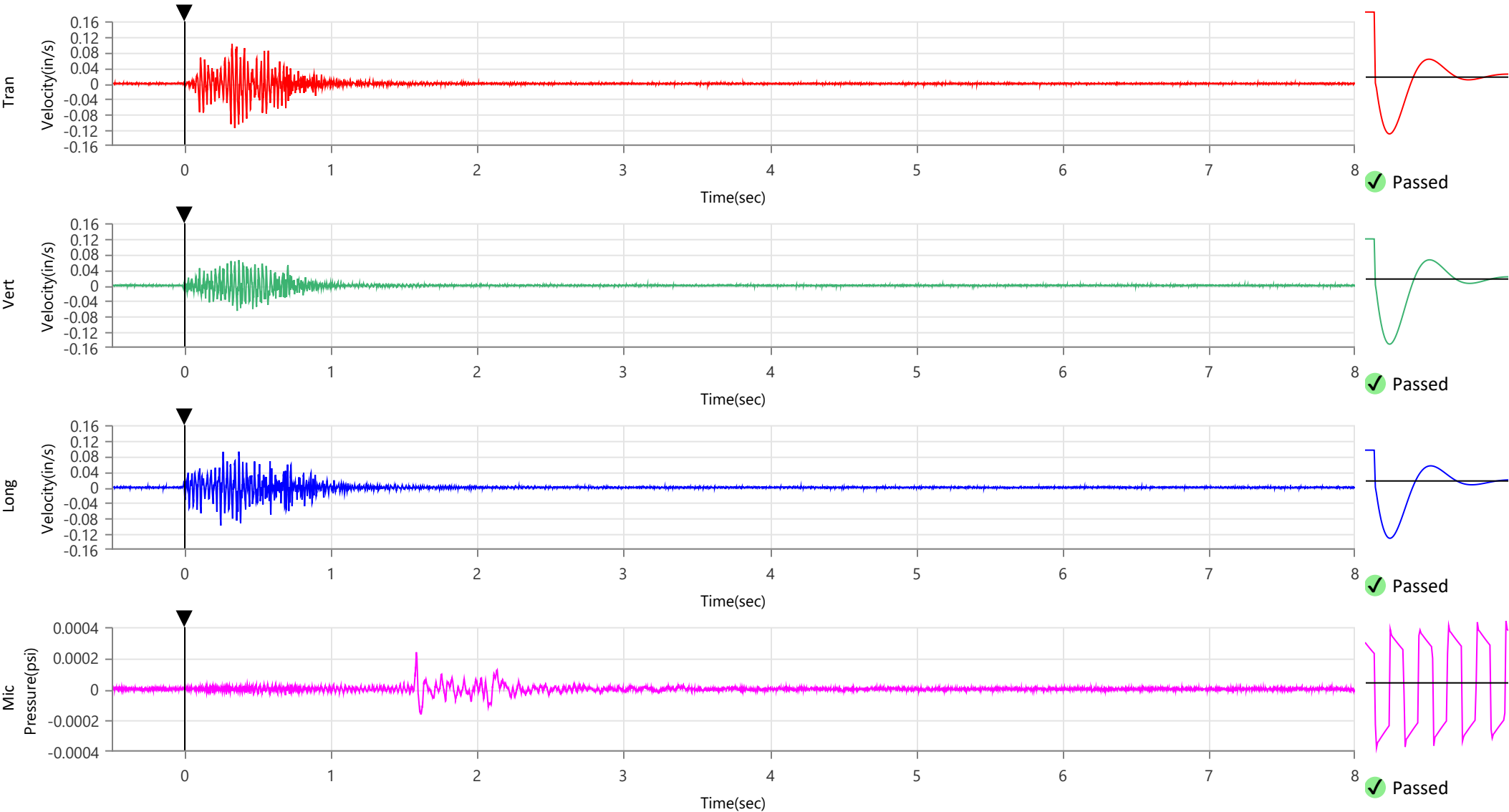
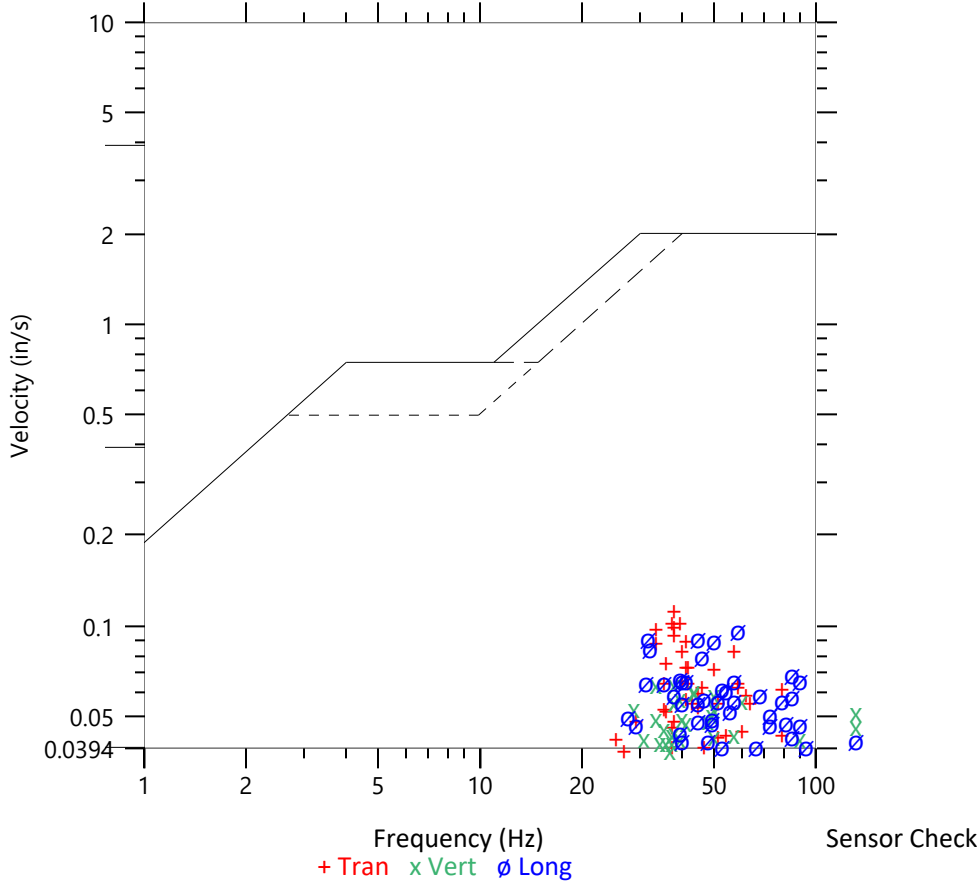
Notes  
Location Station 4  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

|                            |                          |             |             |
|----------------------------|--------------------------|-------------|-------------|
| Geophone                   | Tran                     | Vert        | Long        |
| Peak Particle Velocity     | 0.1142 in/s              | 0.0652 in/s | 0.0981 in/s |
| Zero Crossing Frequency    | 38.6 Hz                  | 33.6 Hz     | 58.5 Hz     |
| Time (Relative to Trigger) | 0.342 sec                | 0.358 sec   | 0.246 sec   |
| Peak Acceleration          | 0.112 g                  | 0.102 g     | 0.112 g     |
| Peak Displacement          | 0.000 in                 | 0.000 in    | 0.000 in    |
| Sensor Check               | ✓ Passed                 | ✓ Passed    | ✓ Passed    |
| Frequency                  | 7.5 Hz                   | 7.5 Hz      | 7.1 Hz      |
| Overswing Ratio            | 3.1                      | 3.3         | 3.7         |
| Peak Vector Sum            | 0.1495 in/s at 0.369 sec |             |             |

ISEE Linear Microphone  
Peak Sound Pressure Level 0.000239 psi  
Peak Sound Pressure Level 98.3 dB(L)  
Time (Relative to Trigger) 1.583 sec  
Zero Crossing Frequency 20.1 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1287 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



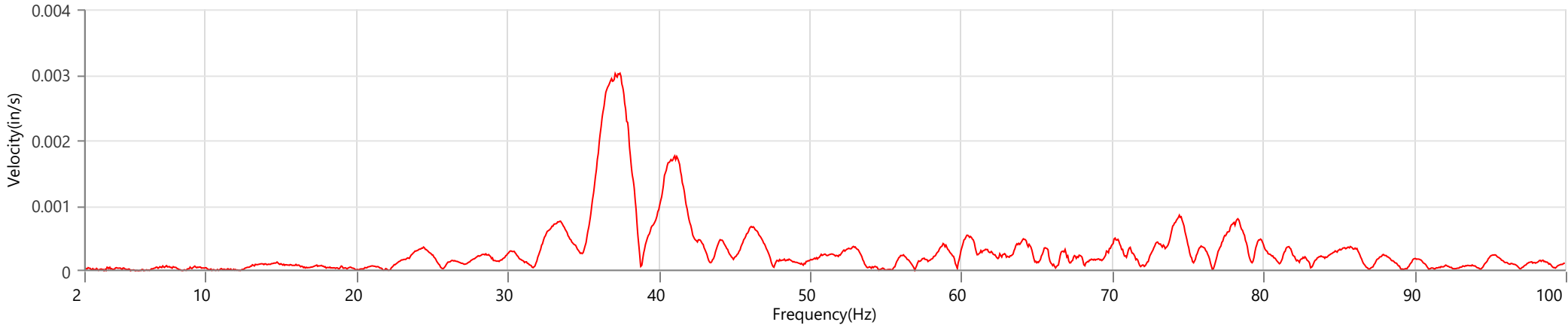
**Waveform Trigger Source** Long at October 29, 2024 11:30:33  
**Trigger Level(s)** Geo 0.0200 in/s  
**Trigger Level (Mic)** Mic 0.01029 psi, 131 dB(L)  
**Pre-Trigger/Record Time** 0.50 sec/8.0 sec (Fixed)  
**Sample Rate** 4096 sps  
**Setup File Name** Spicewood Hwy 71 - Station 4.mmb  
**Operator** Operator

**Serial Number** UM8723  
**Model Number** Micromate ISEE 11.0AK  
**Battery Level** 3.8 volts  
**Unit Calibration** March 25, 2024 by Instantel  
**Event File Name** UM8723\_20241029113033.IDFW  
**USB Sensor Support** Disabled

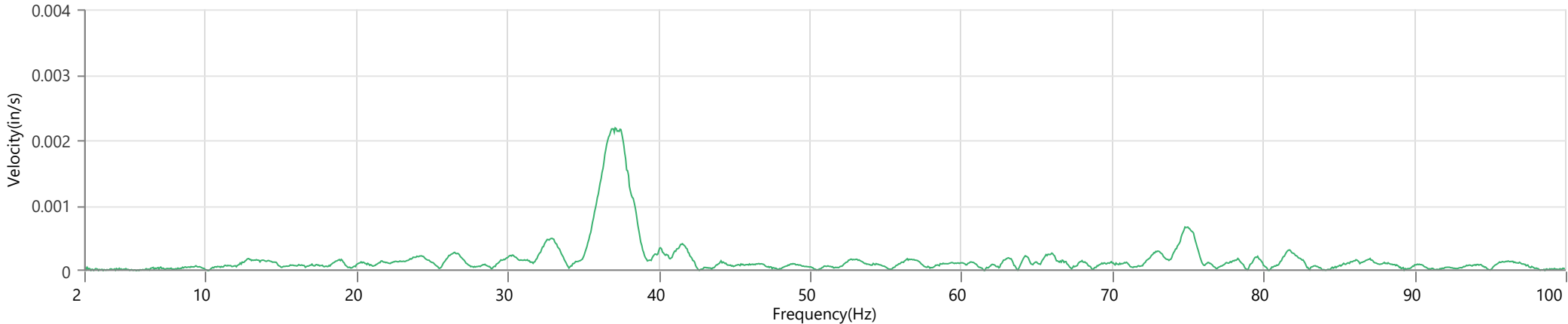
**Notes**  
Location Station 4  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

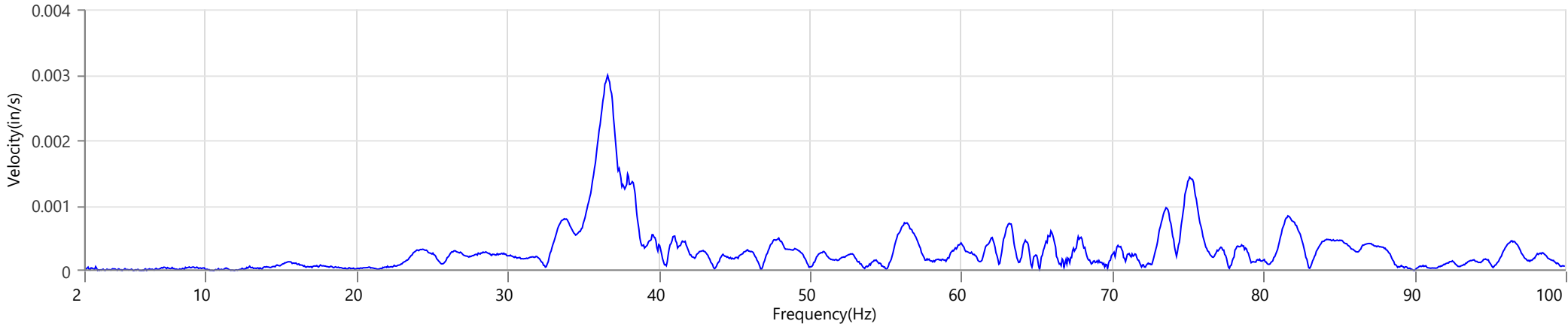
**Tran - Dominant Frequency 37.4 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1142 in/s)**



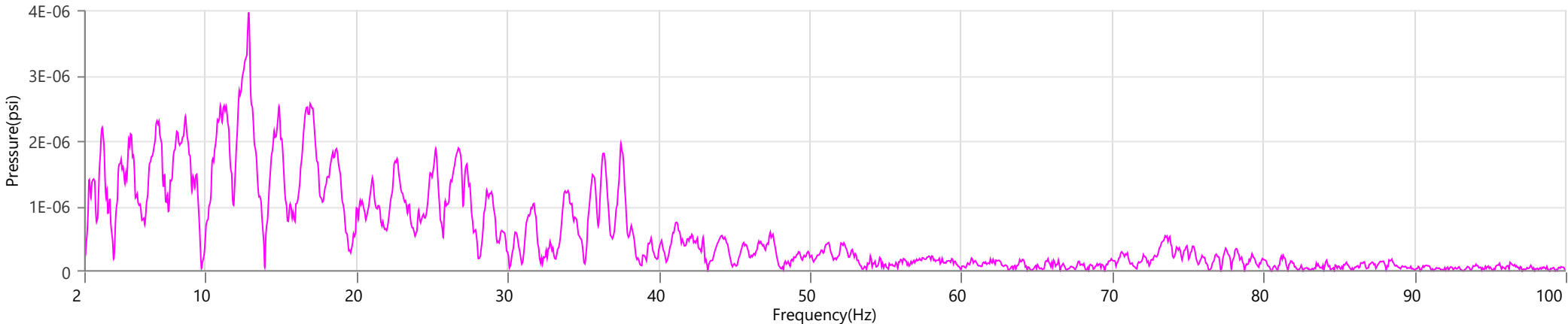
**Vert - Dominant Frequency 37.1 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.0652 in/s)**



**Long - Dominant Frequency 36.6 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.0981 in/s)**



**Mic - Dominant Frequency 12.9 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000239 psi)**



Waveform Trigger Source Long at October 29, 2024 11:30:30  
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 UM19910  
Model Number Micromate ISEE 11.0AK  
Battery Level 3.8 volts  
Unit Calibration May 22, 2024 by Instantel  
Event File Name UM19910\_20241029113030.IDFW  
USB Sensor Support Disabled

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

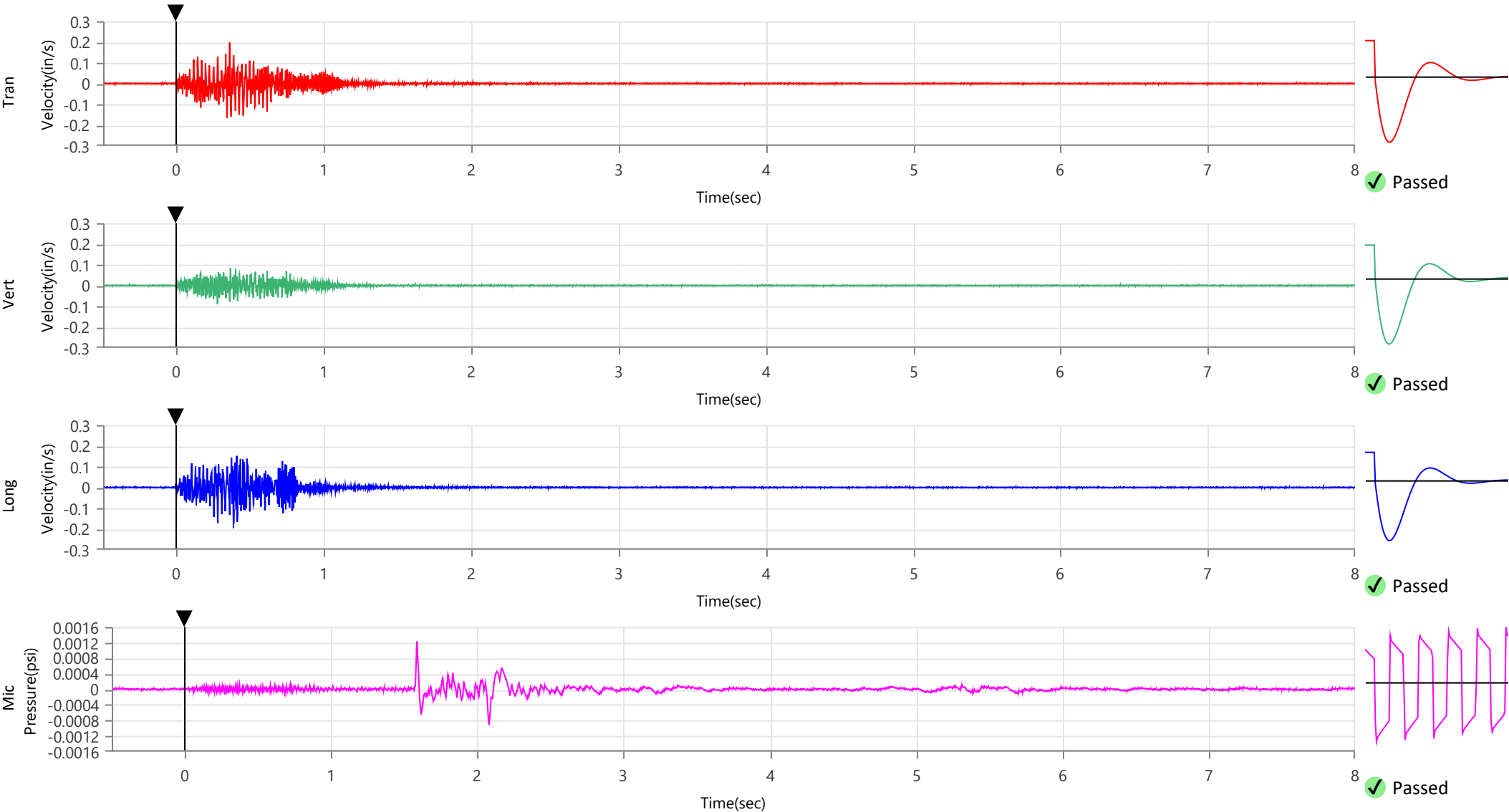
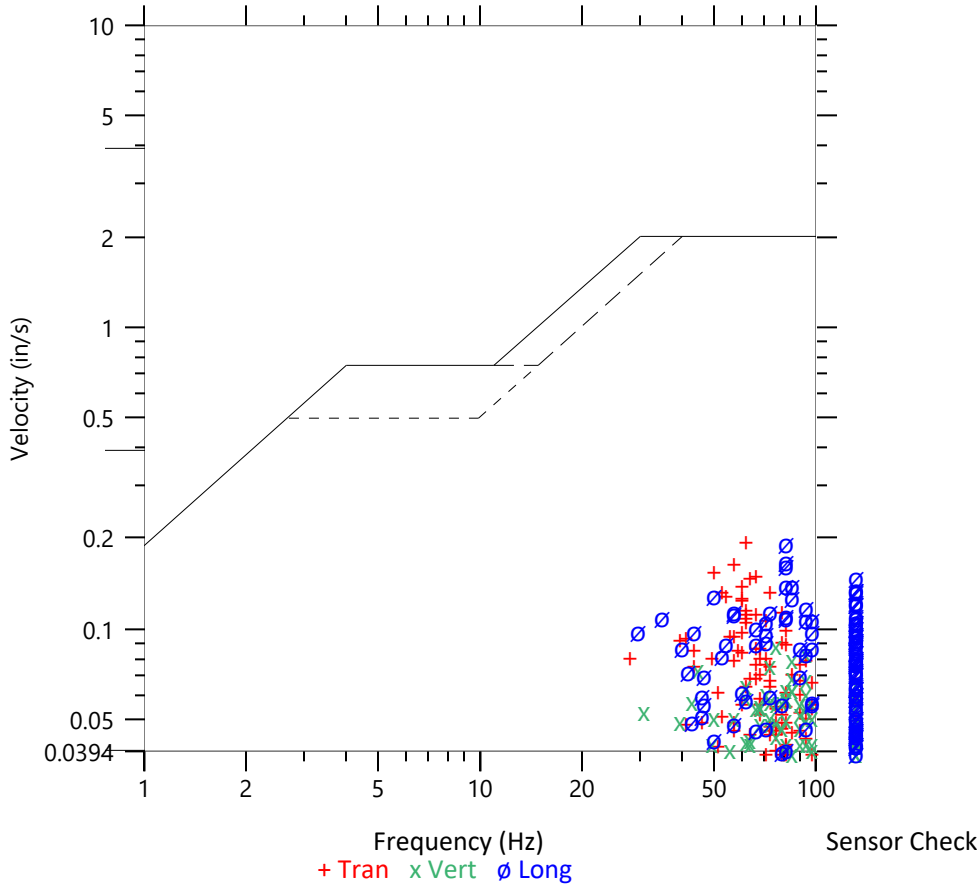
Extended Note N30.49911 W98.21538  
Post Event Notes No text to be displayed.

| Geophone                   | Tran        | Vert        | Long        |
|----------------------------|-------------|-------------|-------------|
| Peak Particle Velocity     | 0.1977 in/s | 0.0897 in/s | 0.1955 in/s |
| Zero Crossing Frequency    | 62.1 Hz     | 75.9 Hz     | 81.9 Hz     |
| Time (Relative to Trigger) | 0.360 sec   | 0.277 sec   | 0.385 sec   |
| Peak Acceleration          | 0.194 g     | 0.145 g     | 0.299 g     |
| Peak Displacement          | 0.001 in    | 0.000 in    | 0.000 in    |
| Sensor Check               | ✓ Passed    | ✓ Passed    | ✓ Passed    |
| Frequency                  | 7.1 Hz      | 7.3 Hz      | 7.1 Hz      |
| Overswing Ratio            | 4.4         | 4.2         | 4.5         |

Peak Vector Sum 0.2462 in/s at 0.360 sec

ISEE Linear Microphone  
Peak Sound Pressure Level 0.001233 psi  
Peak Sound Pressure Level 112.6 dB(L)  
Time (Relative to Trigger) 1.588 sec  
Zero Crossing Frequency 16.3 Hz  
Sensor Check ✓ Passed  
Frequency 20.5 Hz  
Test Amplitude 1375 mv

USBM RI8507 And OSMRE  
Velocity versus Frequency (Zero Crossing)



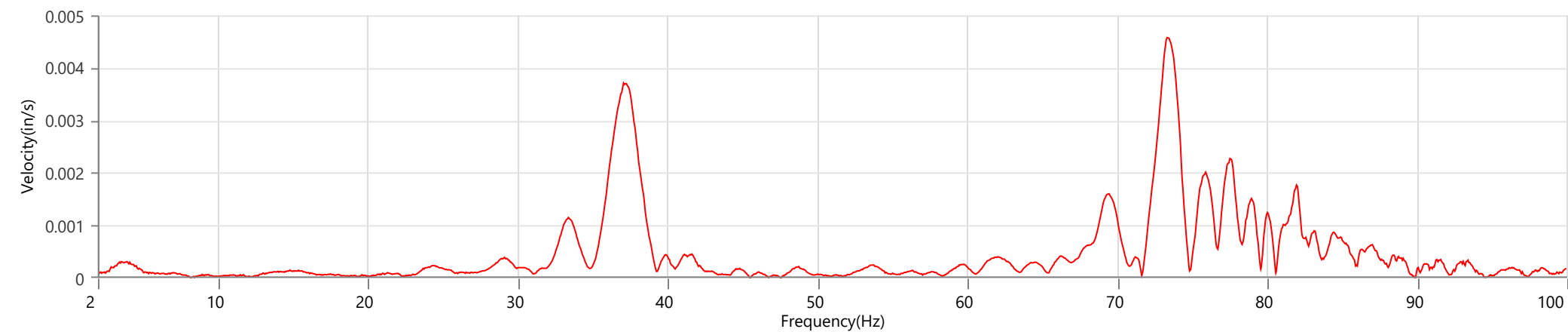
Waveform Trigger Source Long at October 29, 2024 11:30:30  
Trigger Level(s) Geo 0.0200 in/s  
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)  
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)  
Sample Rate 4096 sps  
Setup File Name Spicewood Hwy 71 - Station 5.mmb  
Operator Operator

Serial Number UM19910  
Model Number Micromate ISEE 11.0AK  
Battery Level 3.8 volts  
Unit Calibration May 22, 2024 by Instantel  
Event File Name UM19910\_20241029113030.IDFW  
USB Sensor Support Disabled

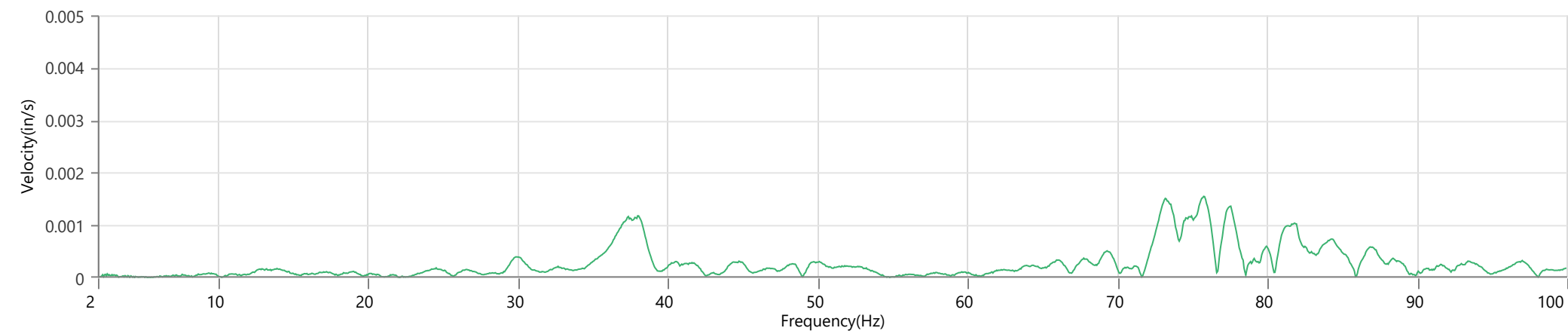
Notes  
Location Station 5  
Client Spicewood Crushed Stone  
Company Hwy 71 Quarry  
General Notes IGS, Inc.

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

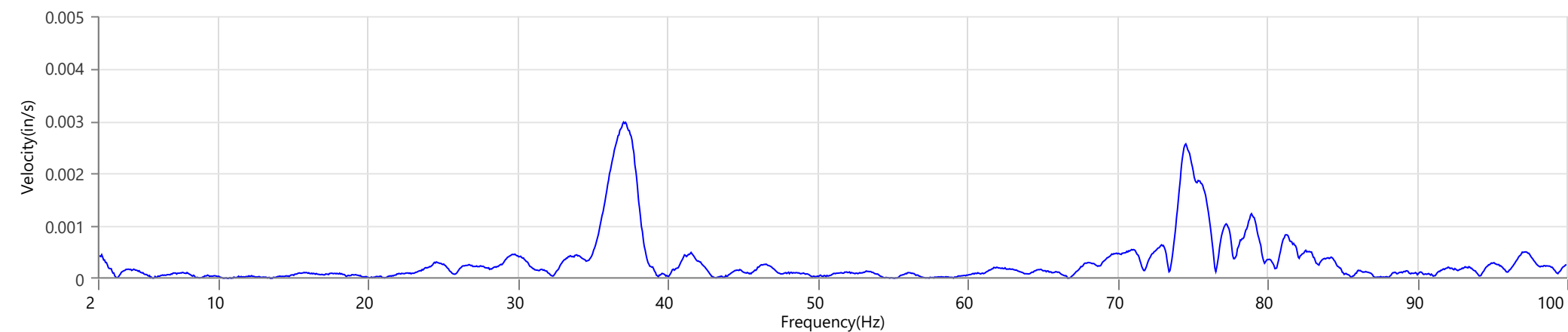
Tran - Dominant Frequency 73.3 Hz, Amplitude 0.0046 in/s (Peak Particle Velocity: 0.1977 in/s)



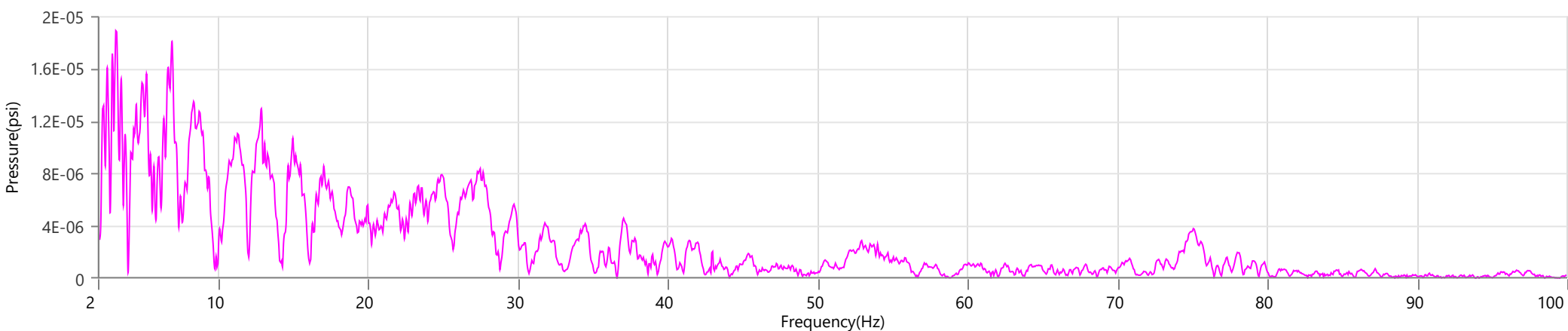
Vert - Dominant Frequency 75.8 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.0897 in/s)



Long - Dominant Frequency 37.1 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1955 in/s)



Mic - Dominant Frequency 3.2 Hz, Amplitude 0.00002 psi (Peak Sound Pressure Level: 0.001233 psi)



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

Vert at October 29, 2024 11:30:33  
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 6.mmb  
Operator

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

UM11400  
Micromate ISEE 11.0AK  
3.8 volts  
May 21, 2024 by Instantel  
UM11400\_20241029113033.IDFW  
Disabled

Notes  
Location  
Client  
Company  
General Notes

Station 6  
Spicewood Crushed Stone  
Hwy 71 Quarry  
IGS, Inc.

Extended Note N30.495113 W98.206539  
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  
0.2212 in/s  
73.1 Hz  
0.298 sec  
0.286 g  
0.001 in  
✓ Passed  
7.5 Hz  
3.7

Vert  
0.2433 in/s  
47.6 Hz  
0.336 sec  
0.253 g  
0.001 in  
✓ Passed  
7.7 Hz  
3.5

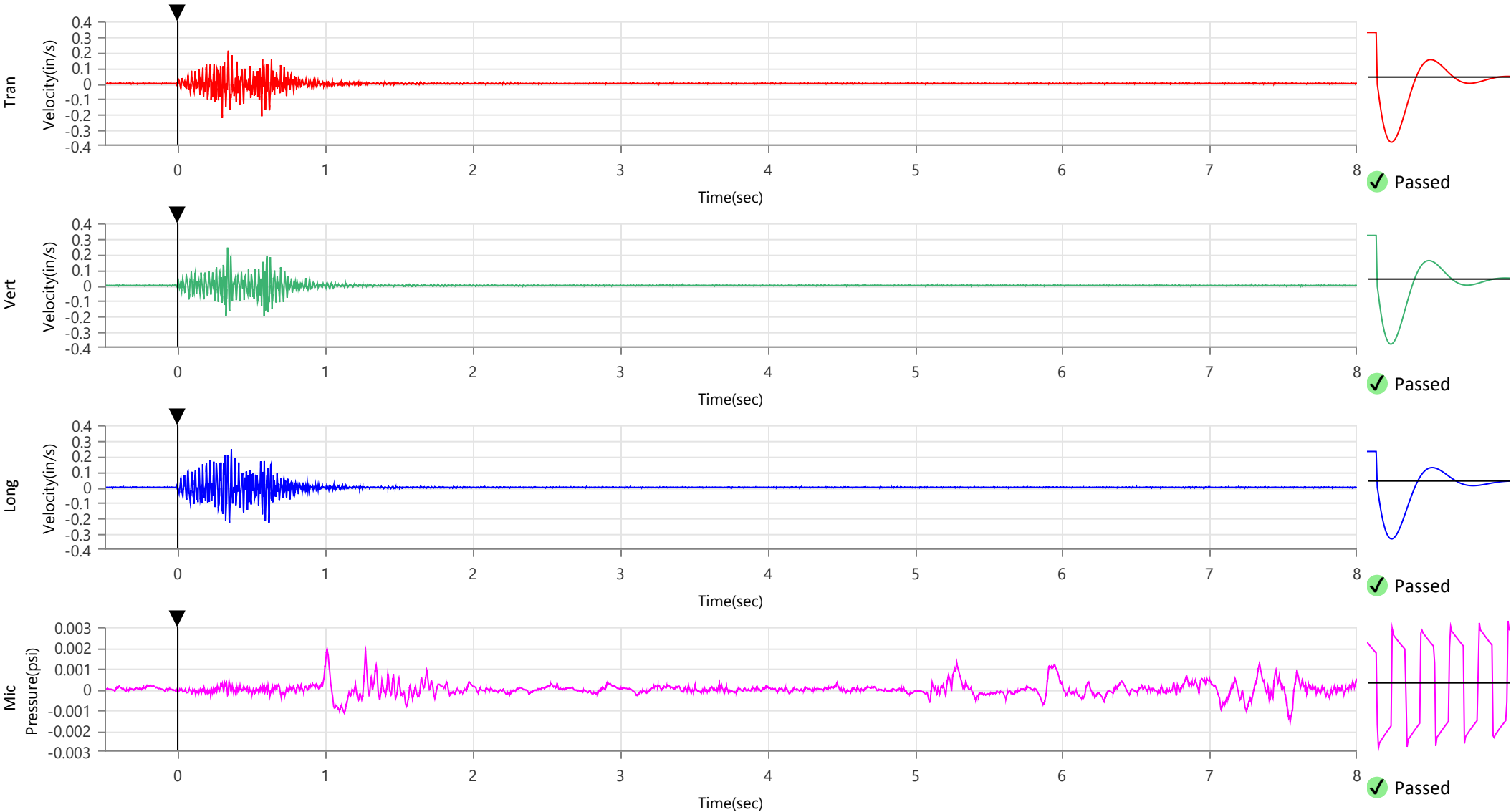
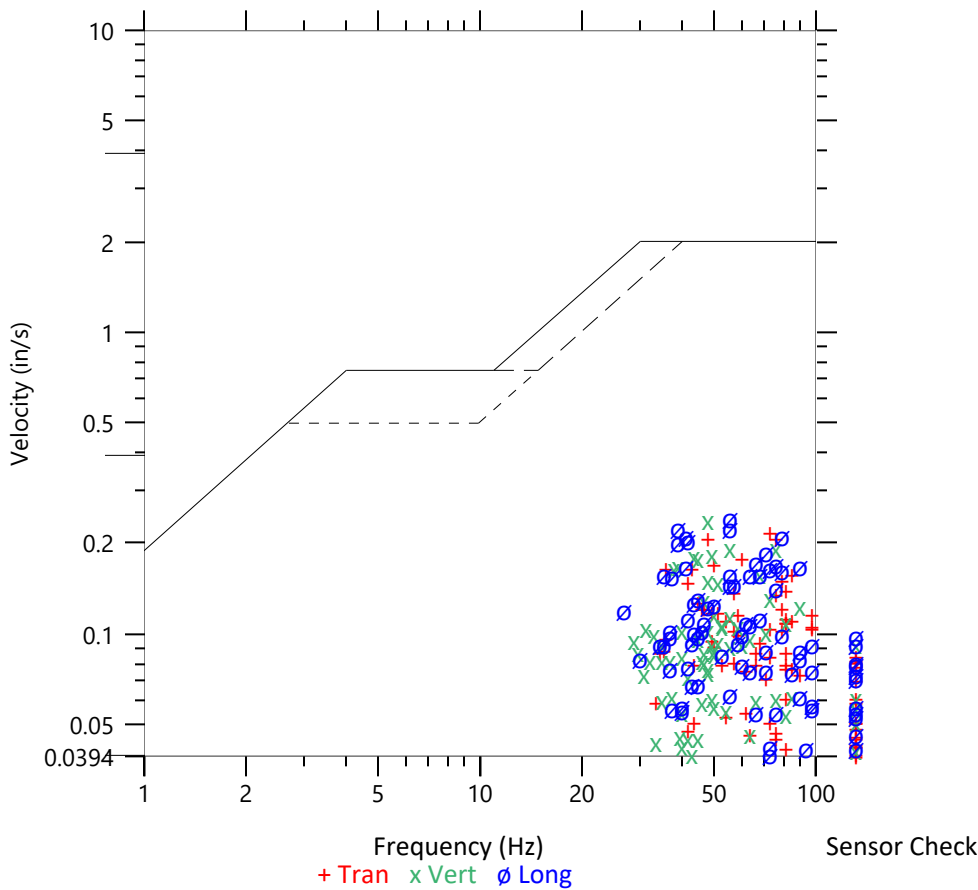
Long  
0.2458 in/s  
55.4 Hz  
0.361 sec  
0.263 g  
0.001 in  
✓ Passed  
7.1 Hz  
4.3

Peak Vector Sum  
0.3206 in/s at 0.336 sec

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

0.001947 psi  
116.5 dB(L)  
1.011 sec  
3.1 Hz  
✓ Passed  
20.5 Hz  
1280 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 October 29, 2024 11:30:33  
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 6.mmb  
Operator

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

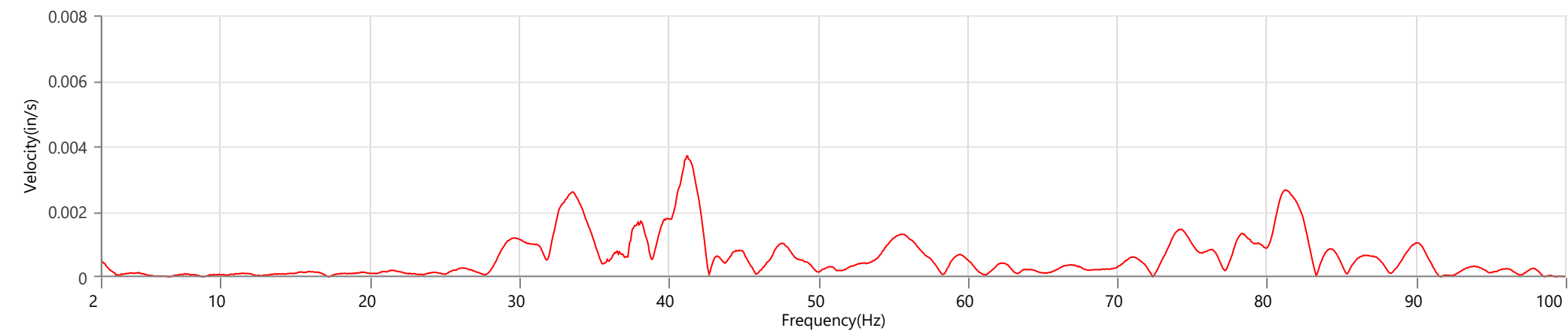
UM11400  
Micromate ISEE 11.0AK  
3.8 volts  
May 21, 2024 by Instantel  
UM11400\_20241029113033.IDFW  
Disabled

Notes  
Location  
Client  
Company  
General Notes

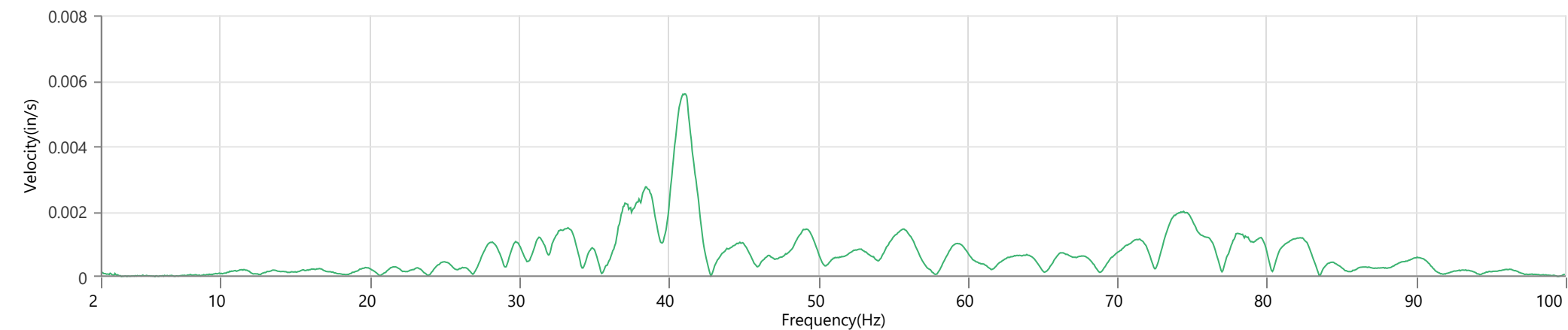
Station 6  
Spicewood Crushed Stone  
Hwy 71 Quarry  
IGS, Inc.

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

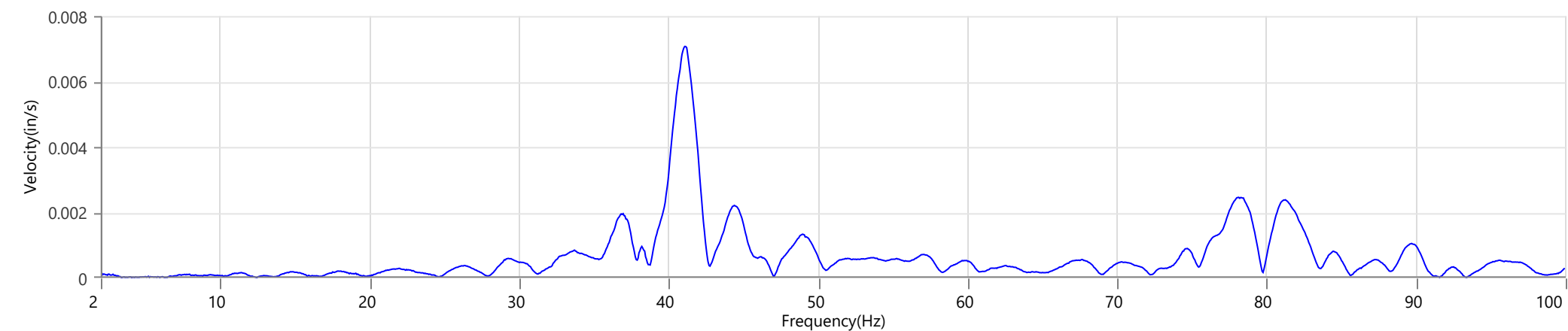
Tran - Dominant Frequency 41.2 Hz, Amplitude 0.0037 in/s (Peak Particle Velocity: 0.2212 in/s)



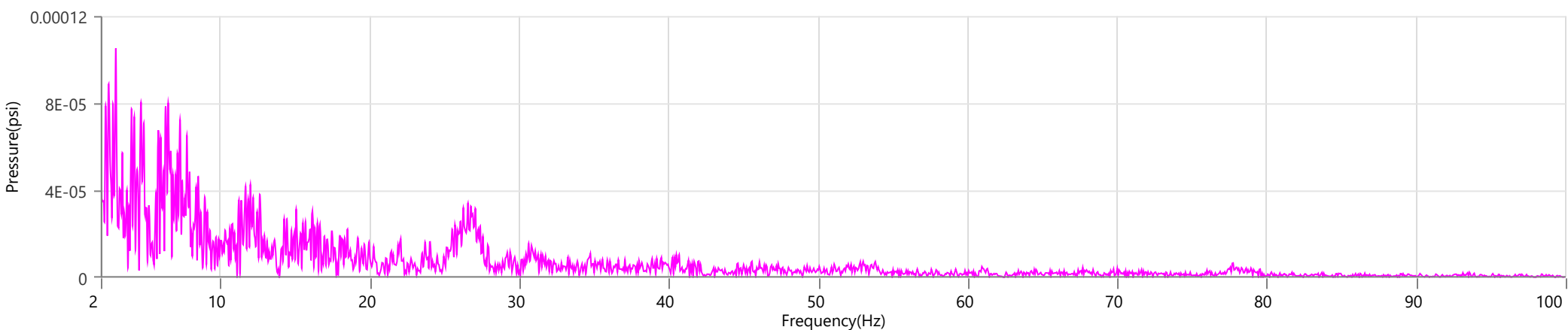
Vert - Dominant Frequency 41.1 Hz, Amplitude 0.0056 in/s (Peak Particle Velocity: 0.2433 in/s)



Long - Dominant Frequency 41.1 Hz, Amplitude 0.0071 in/s (Peak Particle Velocity: 0.2458 in/s)



Mic - Dominant Frequency 3.0 Hz, Amplitude 0.00011 psi (Peak Sound Pressure Level: 0.001947 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

October 29, 2024 00:00:05

October 29, 2024 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

UM19907

Micromate ISEE 11.0AK

3.8 volts

May 23, 2024 by Instantel

UA10154, March 2, 2023 by Instantel

UM19907\_20241029000005.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

79.1 dB(A)

Oct 29, 2024

18:08:05

LMin

L10

L90

Leq

34.1

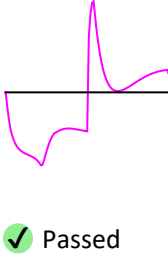
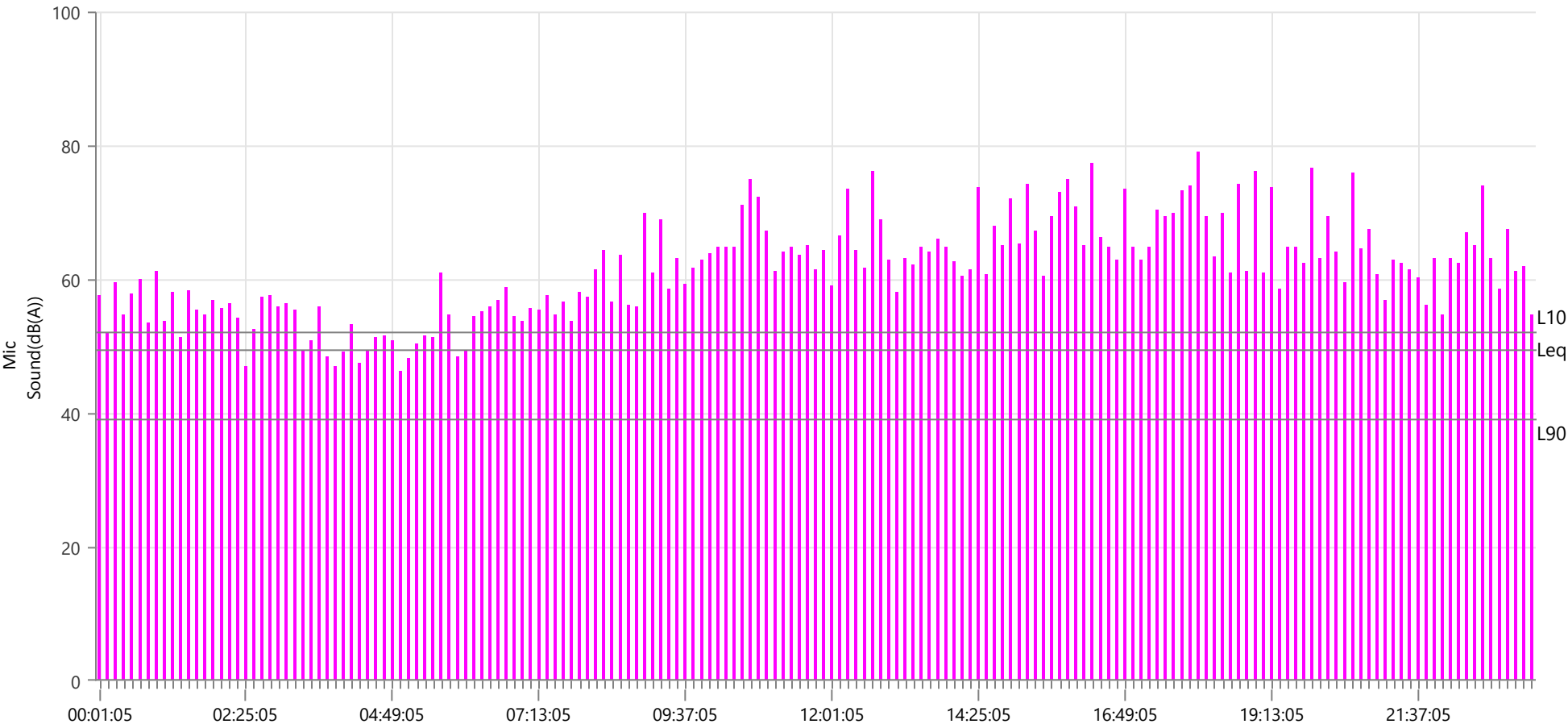
52

39

49.4

✓ Passed

1004 mv





Start  
Finish  
Number of Intervals/Interval  
Sample Rate  
Setup File Name  
Operator

October 29, 2024 00:00:07  
October 29, 2024 23:29:59  
1409.88/60 sec  
4096 sps  
Spicewood Hwy 71 - Noise 3.mmb  
Operator

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

UM8048  
Micromate ISEE 11.0AK  
3.8 volts  
May 21, 2024 by Instantel  
UA10761, July 29, 2022 by Instantel  
UM8048\_20241029000007.IDFH  
Disabled

Notes  
Location  
Client  
Company  
General Notes

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

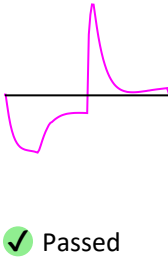
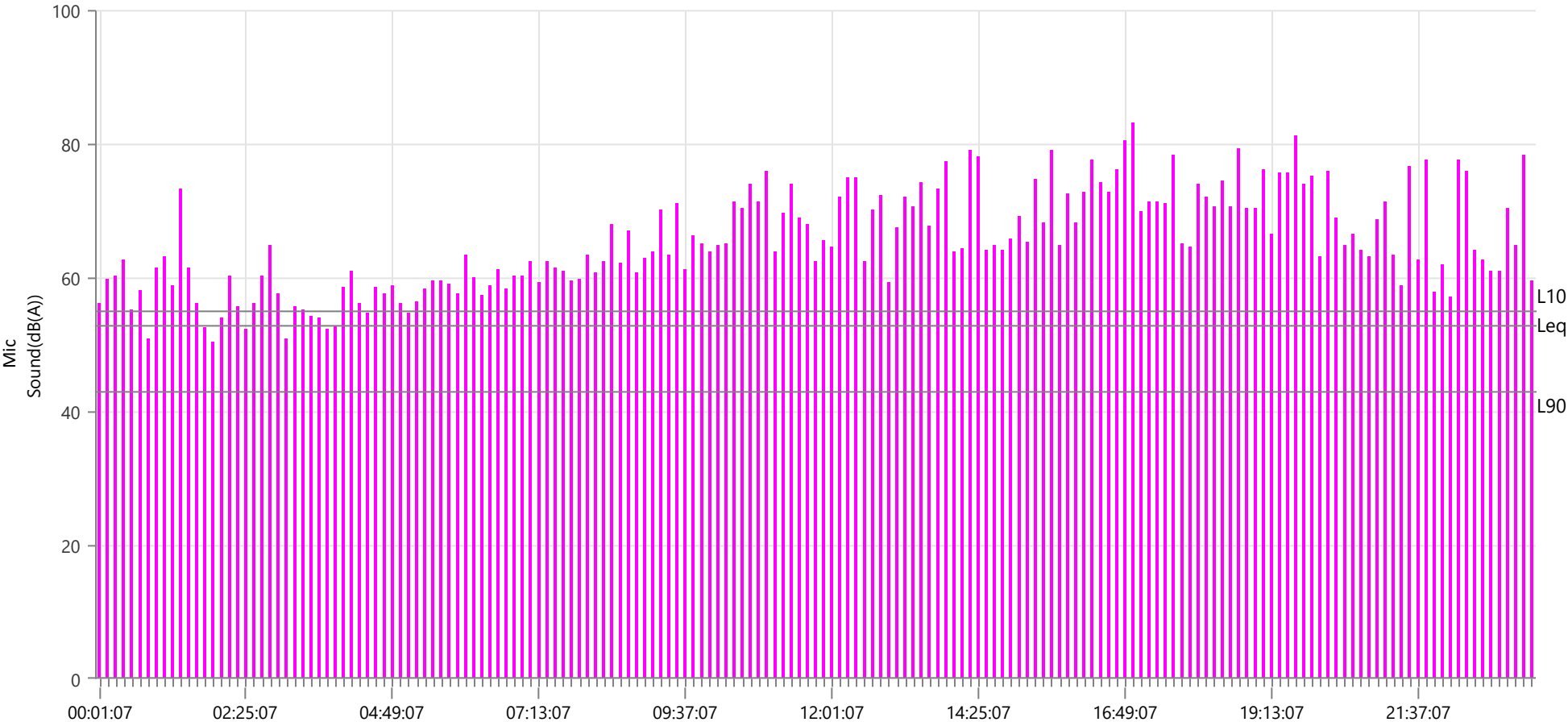
Extended Note    N30.490958 W98.213495  
Post Event Notes    No text to be displayed.

Sound Level Microphone

LMax  
Date  
Time  
  
Sound(dB(A))  
Sensor Check  
Test Amplitude

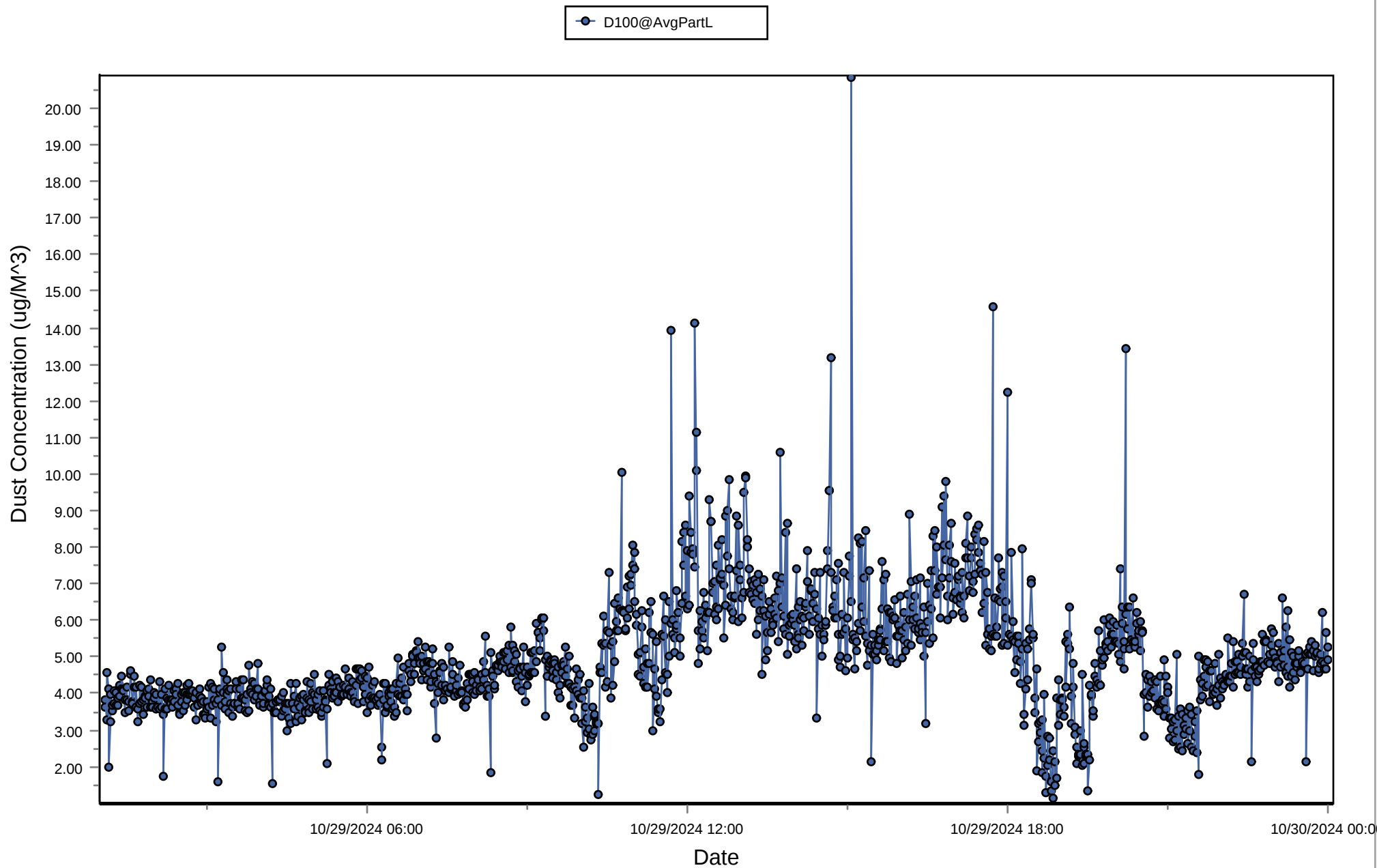
A-Weight Slow  
83.2 dB(A)  
Oct 29, 2024  
17:03:07  
**LMin    L10    L90    Leq**  
34.9    55    43    52.8  
✔ Passed  
1063 mv

Sensor Check



# Spicewood Crushed Stone - Hwy 71 Quarry

## North Dust Monitor



# Spicewood Crushed Stone - Hwy 71 Quarry

## South Dust Monitor

