

Waveform Trigger Source Long at July 30, 2024 11:23:46
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 1.mmb
Operator Operator

Serial Number UM21524
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM21524_20240730112346.IDFW
USB Sensor Support Disabled

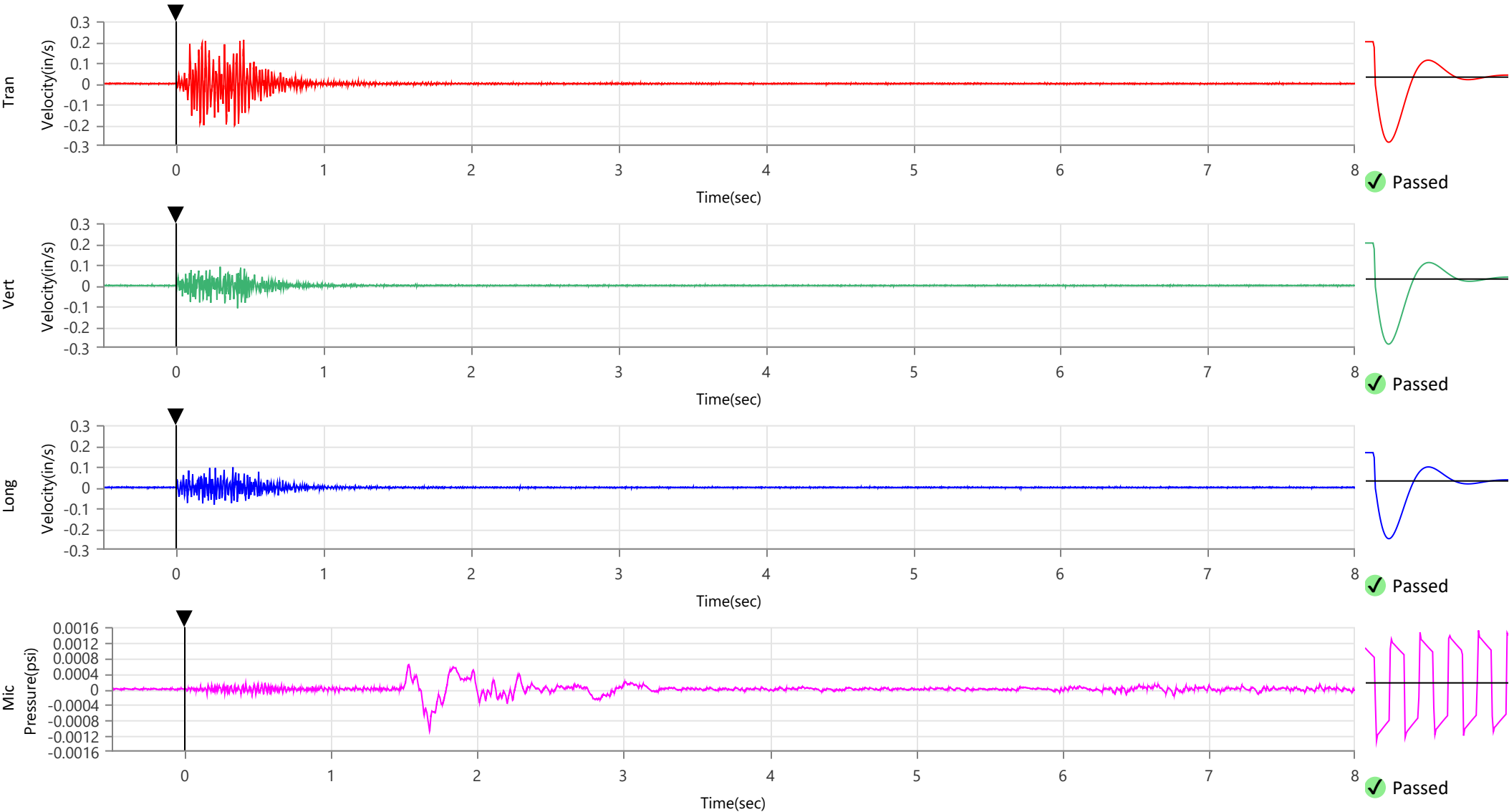
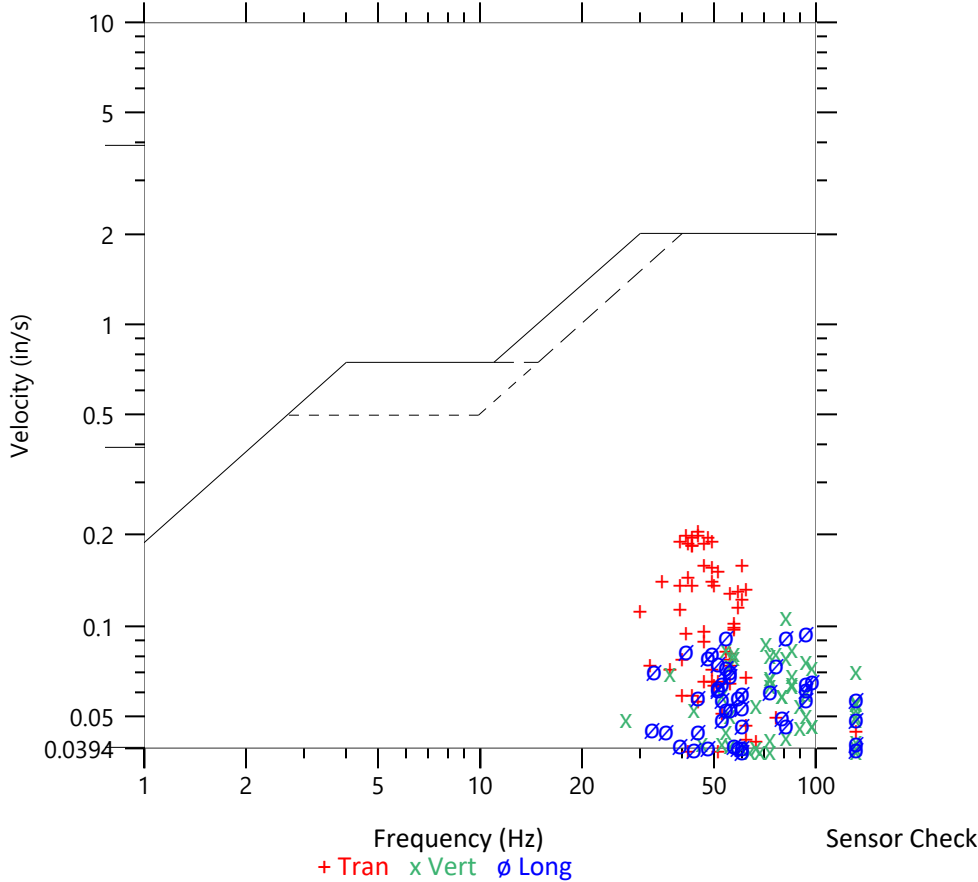
Notes
Location Station 1
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49572 W98.21577
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.2101 in/s	0.1095 in/s	0.0968 in/s
Zero Crossing Frequency	44.5 Hz	81.9 Hz	97.5 Hz
Time (Relative to Trigger)	0.455 sec	0.413 sec	0.381 sec
Peak Acceleration	0.188 g	0.171 g	0.155 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.8	3.9	4.1
Peak Vector Sum	0.2111 in/s at 0.455 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.001076 psi
Peak Sound Pressure Level 111.4 dB(L)
Time (Relative to Trigger) 1.674 sec
Zero Crossing Frequency 2.8 Hz
Sensor Check ✓ Passed
Frequency 19.7 Hz
Test Amplitude 1303 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



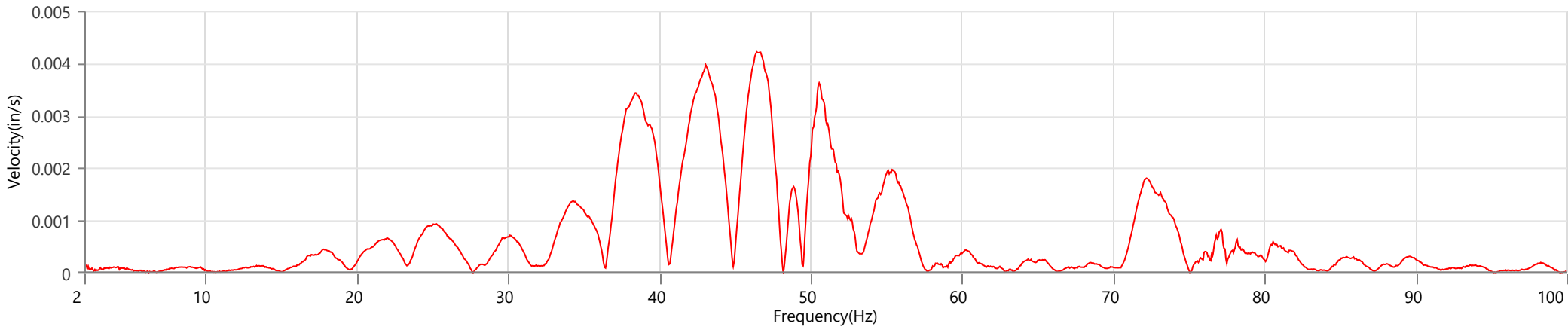
Waveform Trigger Source Long at July 30, 2024 11:23:46
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 1.mmb
Operator Operator

Serial Number UM21524
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration March 25, 2024 by Instantel
Event File Name UM21524_20240730112346.IDFW
USB Sensor Support Disabled

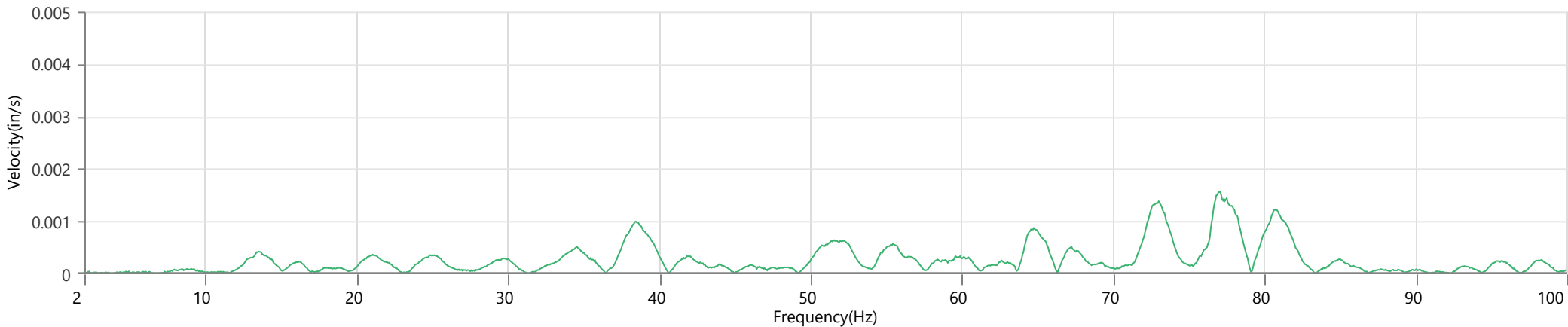
Notes
Location Station 1
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note N30.49572 W98.21577
Post Event Notes No text to be displayed.

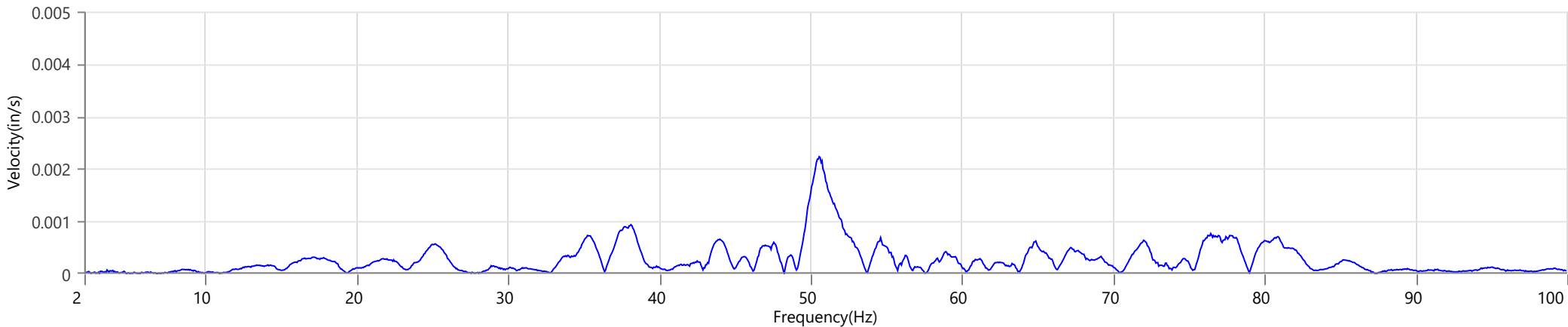
Tran - Dominant Frequency 46.4 Hz, Amplitude 0.0042 in/s (Peak Particle Velocity: 0.2101 in/s)



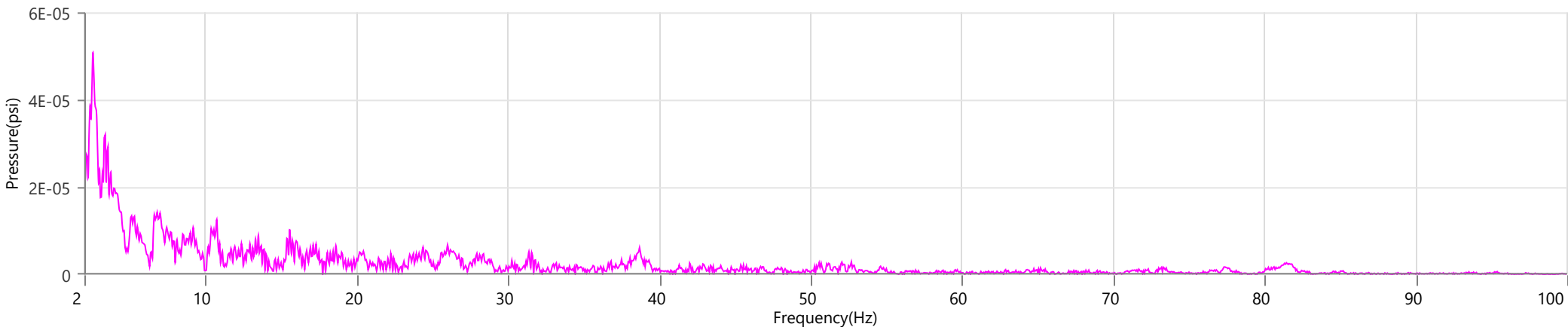
Vert - Dominant Frequency 77.0 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.1095 in/s)



Long - Dominant Frequency 50.6 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.0968 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00005 psi (Peak Sound Pressure Level: 0.001076 psi)



Waveform Trigger Source Long at July 30, 2024 11:23:45
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_20240730112345.IDFW
USB Sensor Support Disabled

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

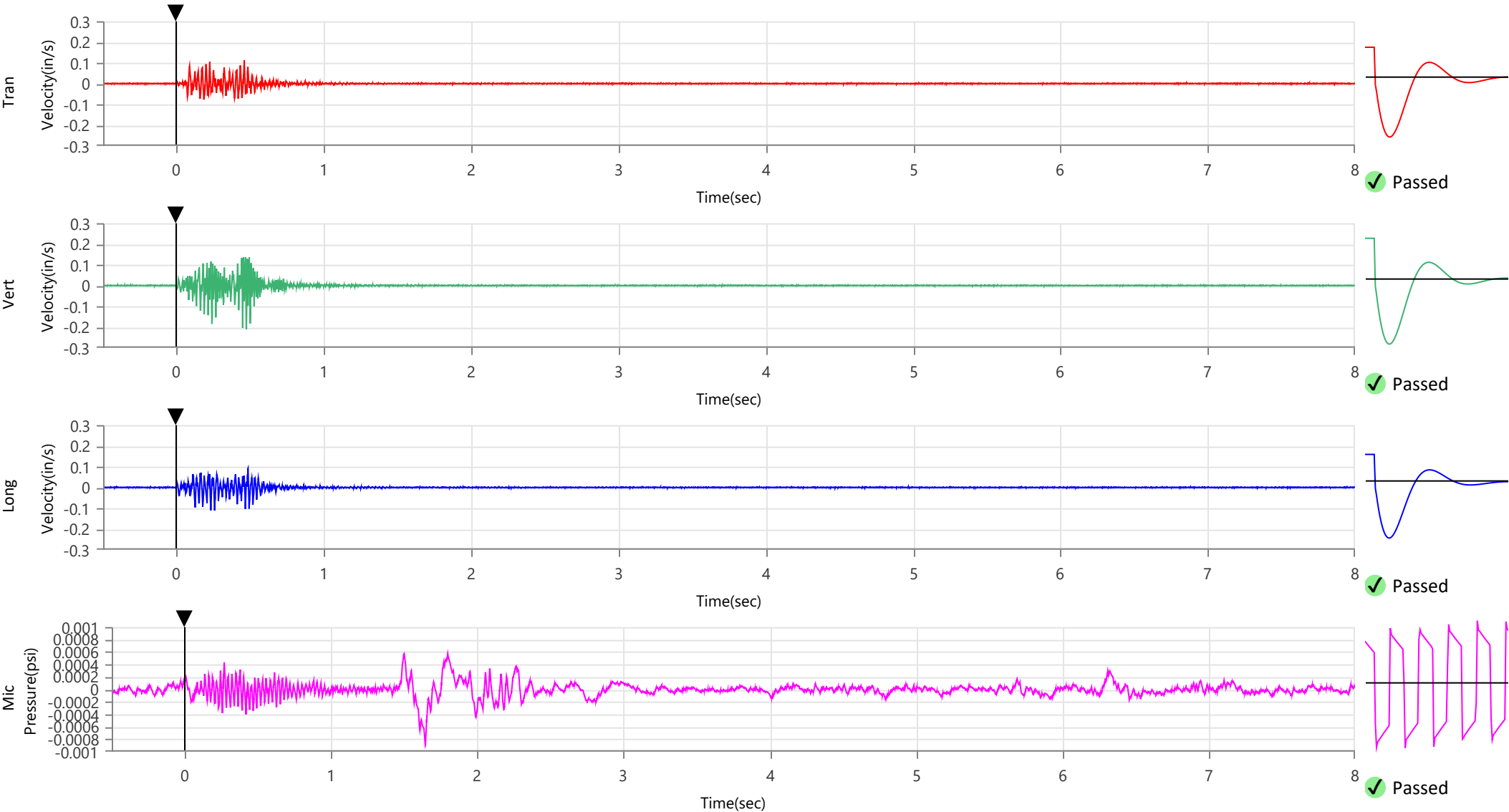
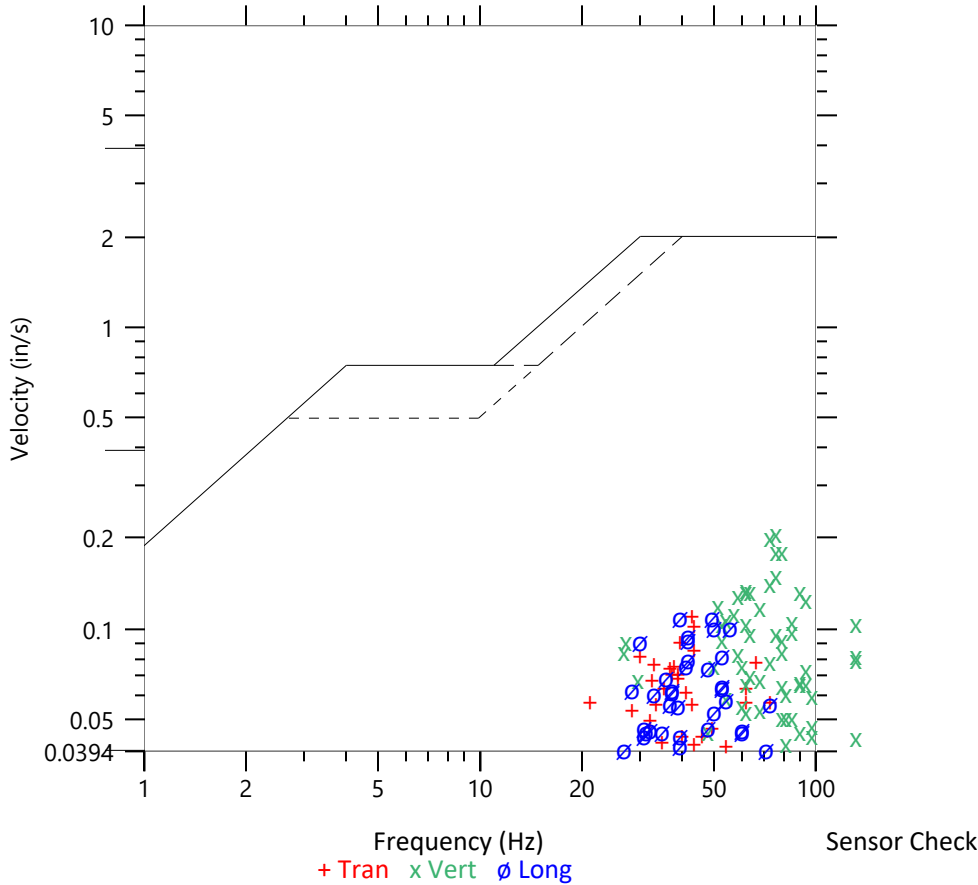
Extended Note N30.49650 W21572
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity Tran 0.1130 in/s Vert 0.2110 in/s Long 0.1114 in/s
Zero Crossing Frequency 42.7 Hz 75.9 Hz 39.4 Hz
Time (Relative to Trigger) 0.458 sec 0.473 sec 0.257 sec
Peak Acceleration 0.109 g 0.253 g 0.109 g
Peak Displacement 0.000 in 0.000 in 0.000 in
Sensor Check Passed Passed Passed
Frequency 7.3 Hz 7.5 Hz 7.1 Hz
Overswing Ratio 4.0 3.8 5.1

Peak Vector Sum 0.2158 in/s at 0.447 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.000902 psi
Peak Sound Pressure Level 109.9 dB(L)
Time (Relative to Trigger) 1.644 sec
Zero Crossing Frequency 3.8 Hz
Sensor Check Passed
Frequency 20.5 Hz
Test Amplitude 1262 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



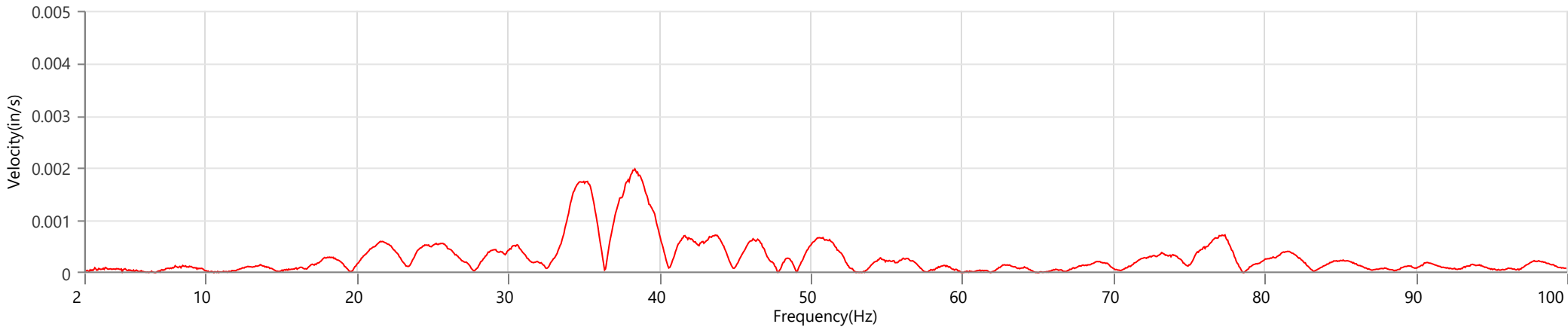
Waveform Trigger Source Long at July 30, 2024 11:23:45
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

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_20240730112345.IDFW
USB Sensor Support Disabled

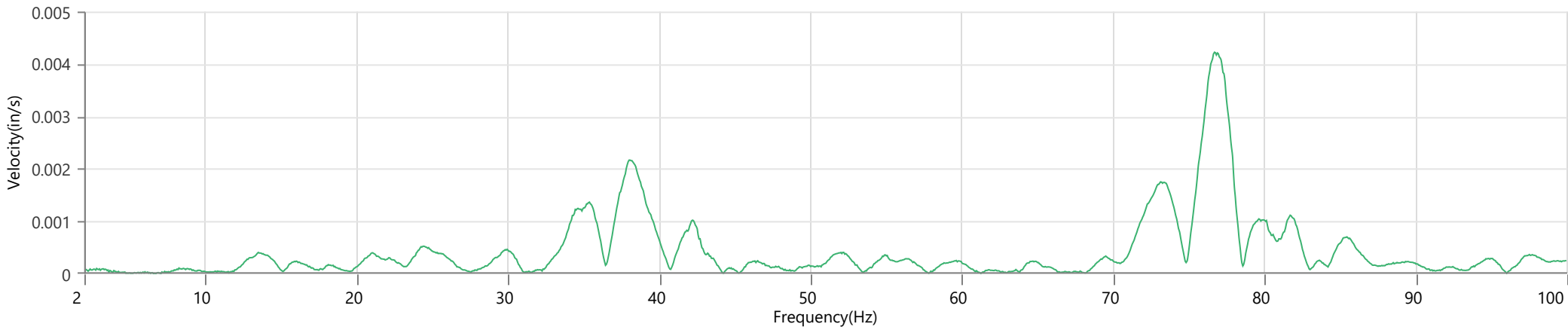
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

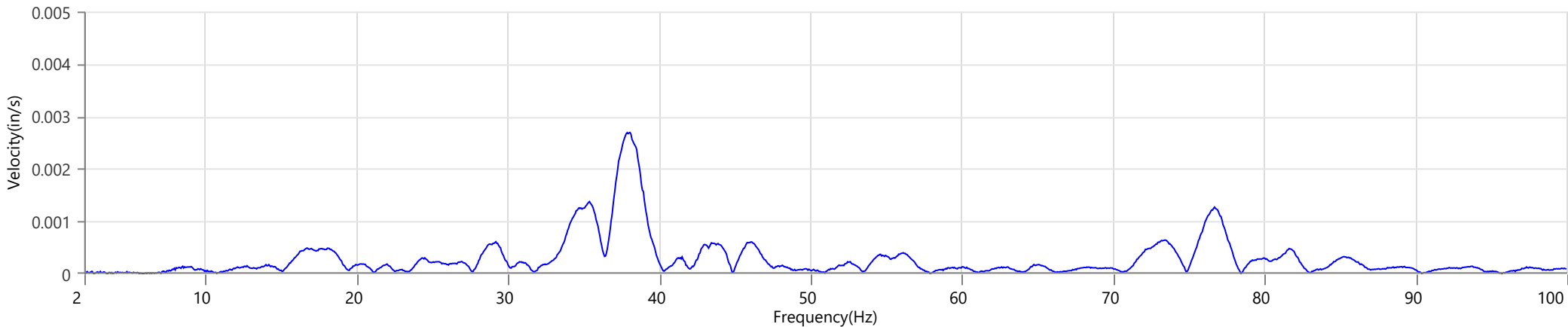
Tran - Dominant Frequency 38.4 Hz, Amplitude 0.0020 in/s (Peak Particle Velocity: 0.1130 in/s)



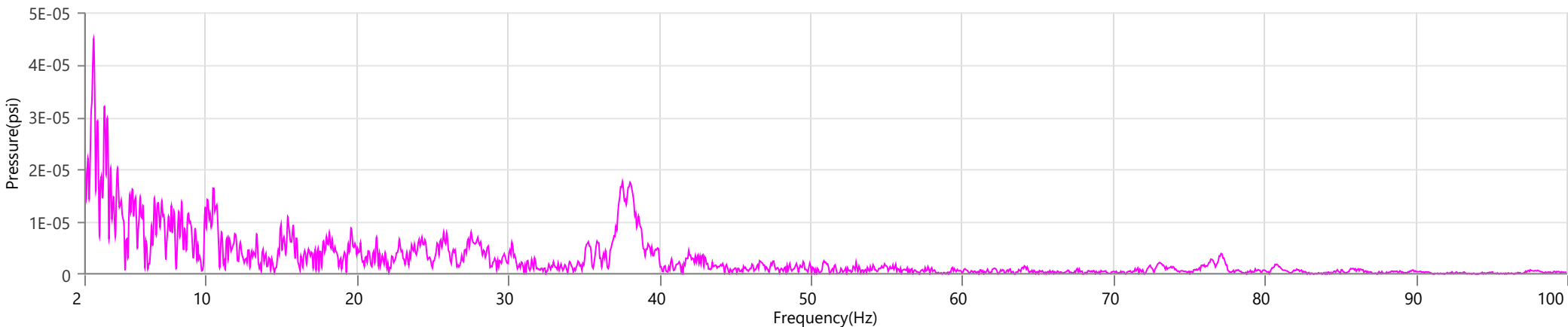
Vert - Dominant Frequency 76.7 Hz, Amplitude 0.0042 in/s (Peak Particle Velocity: 0.2110 in/s)



Long - Dominant Frequency 38.1 Hz, Amplitude 0.0027 in/s (Peak Particle Velocity: 0.1114 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000902 psi)



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

Vert at July 30, 2024 11:23:45
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

UM18138
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM18138_20240730112345.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

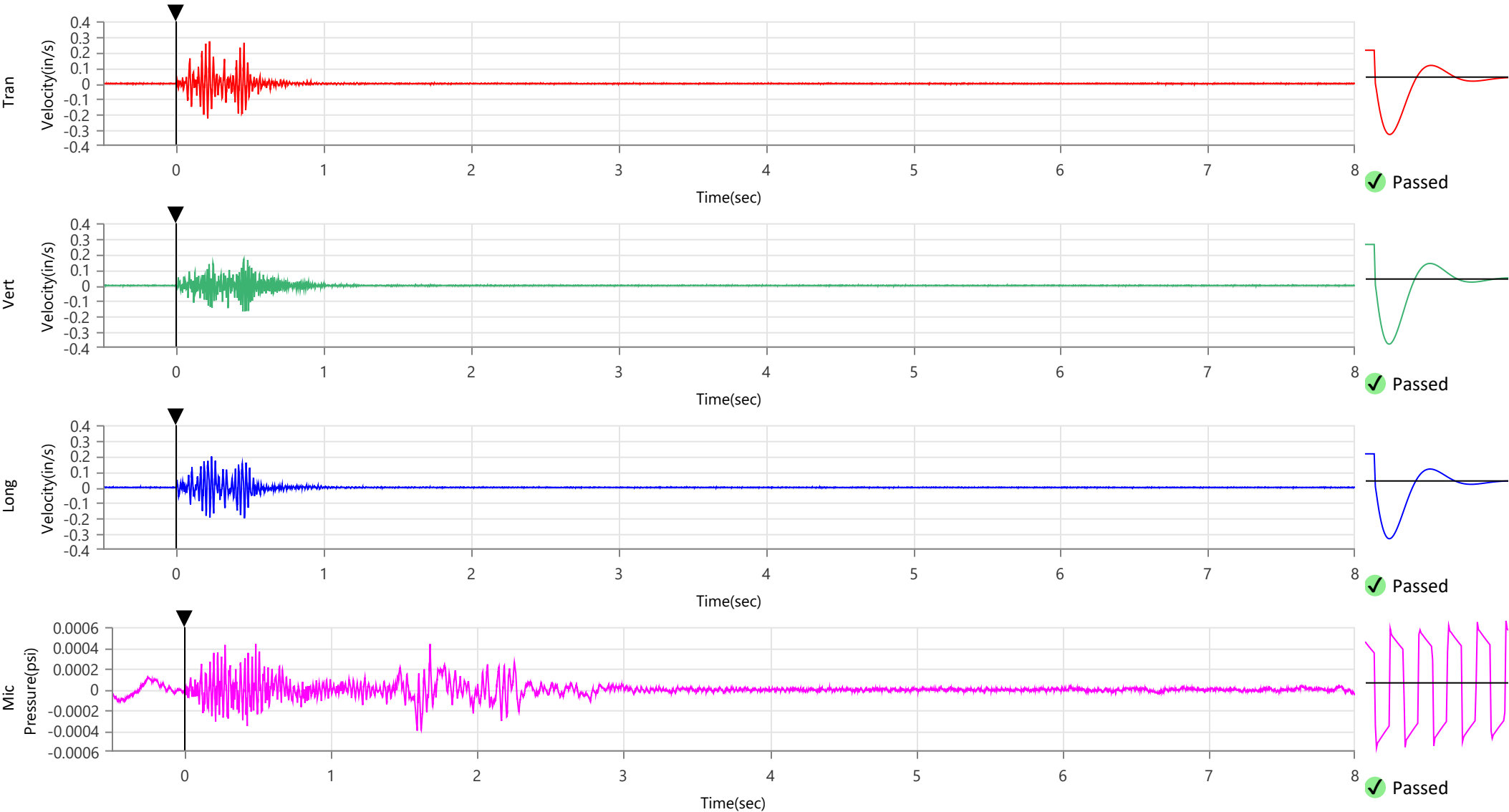
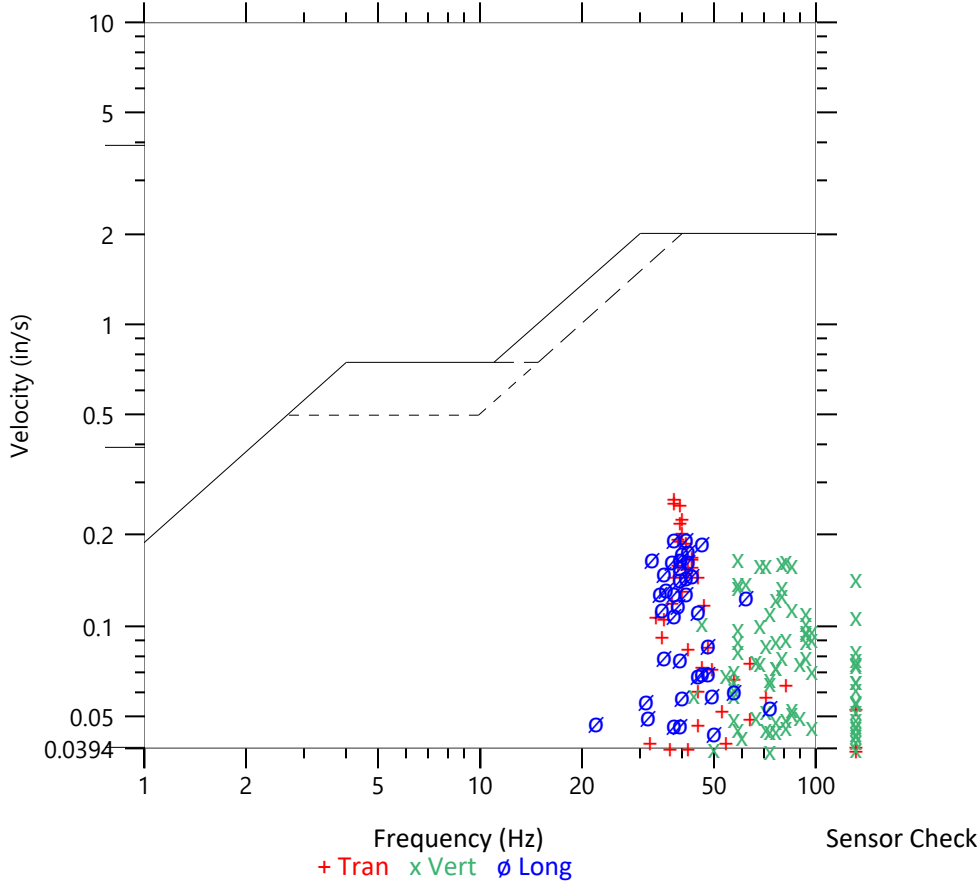
Tran	Vert	Long
0.2709 in/s	0.1704 in/s	0.1986 in/s
37.9 Hz	58.5 Hz	38.6 Hz
0.223 sec	0.456 sec	0.237 sec
0.194 g	0.280 g	0.174 g
0.001 in	0.001 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
6.9 Hz	7.3 Hz	7.1 Hz
4.8	4.1	4.8

Peak Vector Sum 0.3142 in/s at 0.457 sec

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

0.000437 psi
103.6 dB(L)
0.485 sec
60.2 Hz
✓ Passed
20.5 Hz
1293 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 July 30, 2024 11:23:45
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

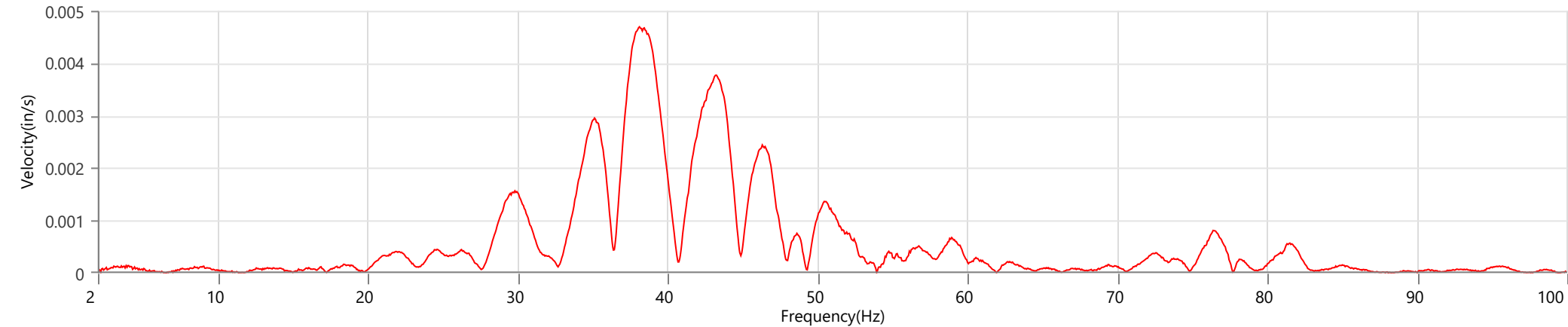
UM18138
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM18138_20240730112345.IDFW
Disabled

Notes
Location
Client
Company
General Notes

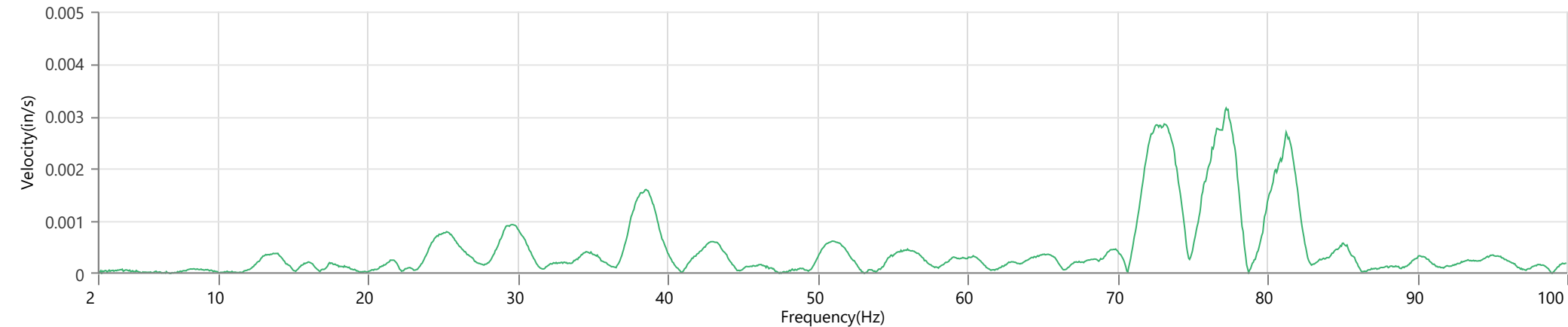
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

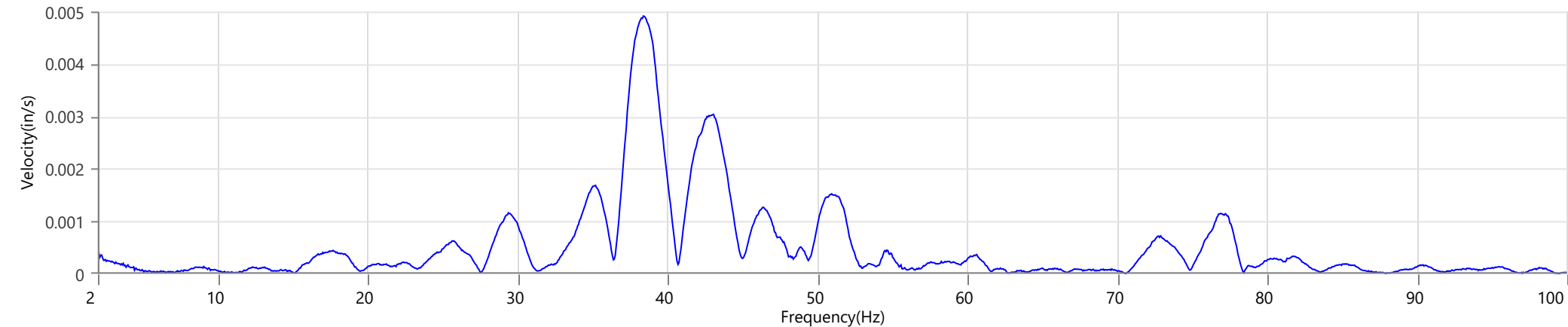
Tran - Dominant Frequency 38.1 Hz, Amplitude 0.0047 in/s (Peak Particle Velocity: 0.2709 in/s)



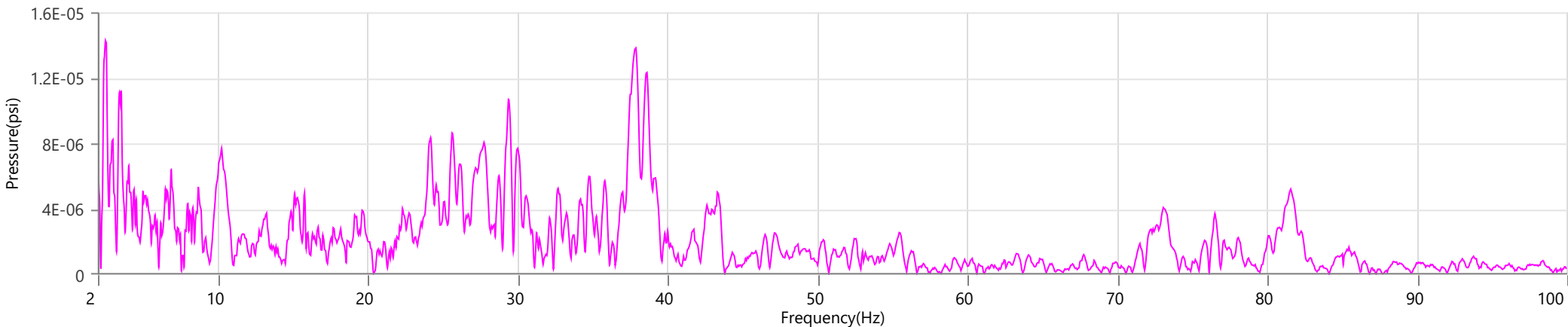
Vert - Dominant Frequency 77.2 Hz, Amplitude 0.0032 in/s (Peak Particle Velocity: 0.1704 in/s)



Long - Dominant Frequency 38.4 Hz, Amplitude 0.0049 in/s (Peak Particle Velocity: 0.1986 in/s)



Mic - Dominant Frequency 2.5 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000437 psi)



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

Vert at July 30, 2024 11:23:45
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

UM8723
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM8723_20240730112345.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

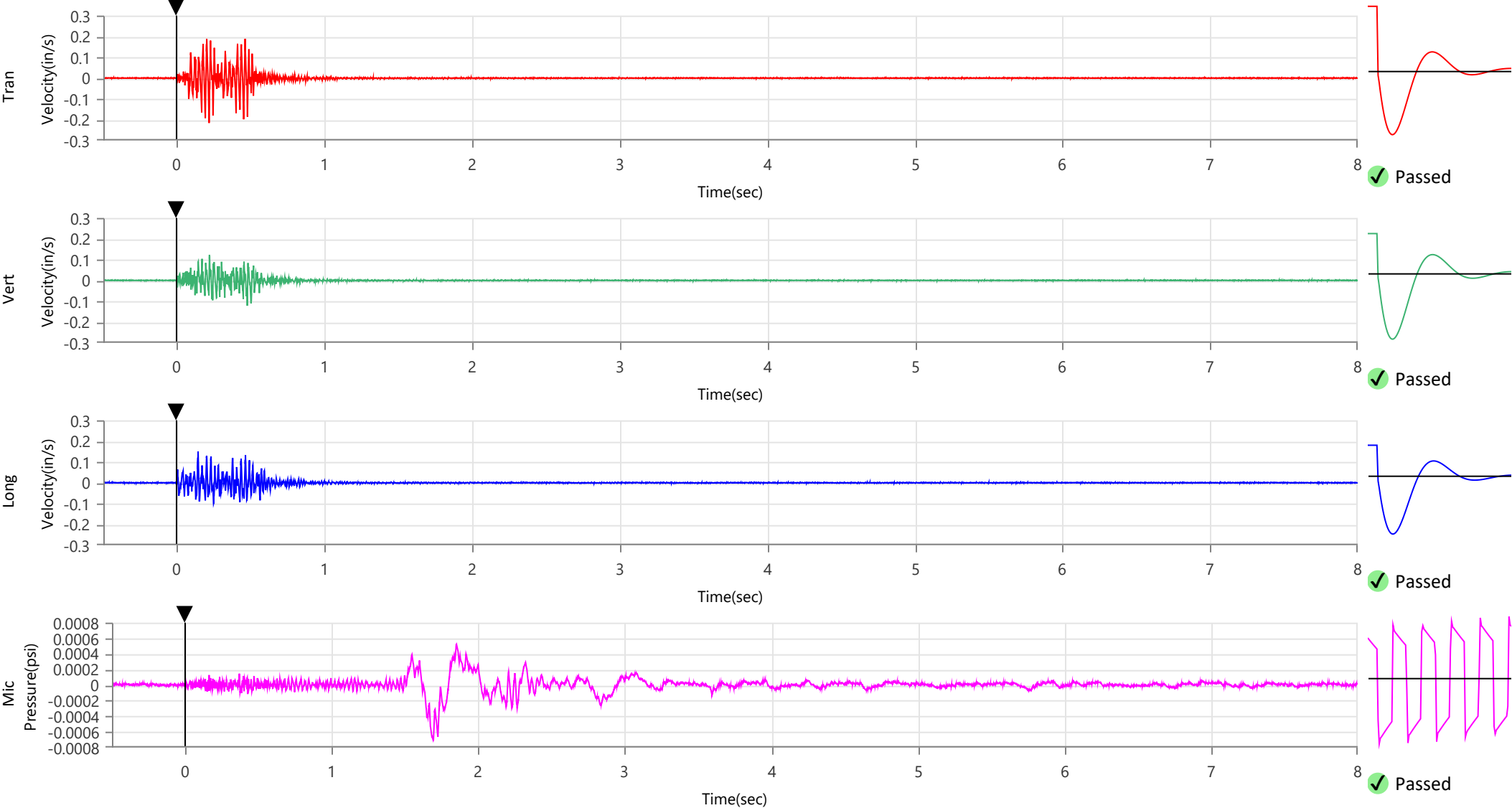
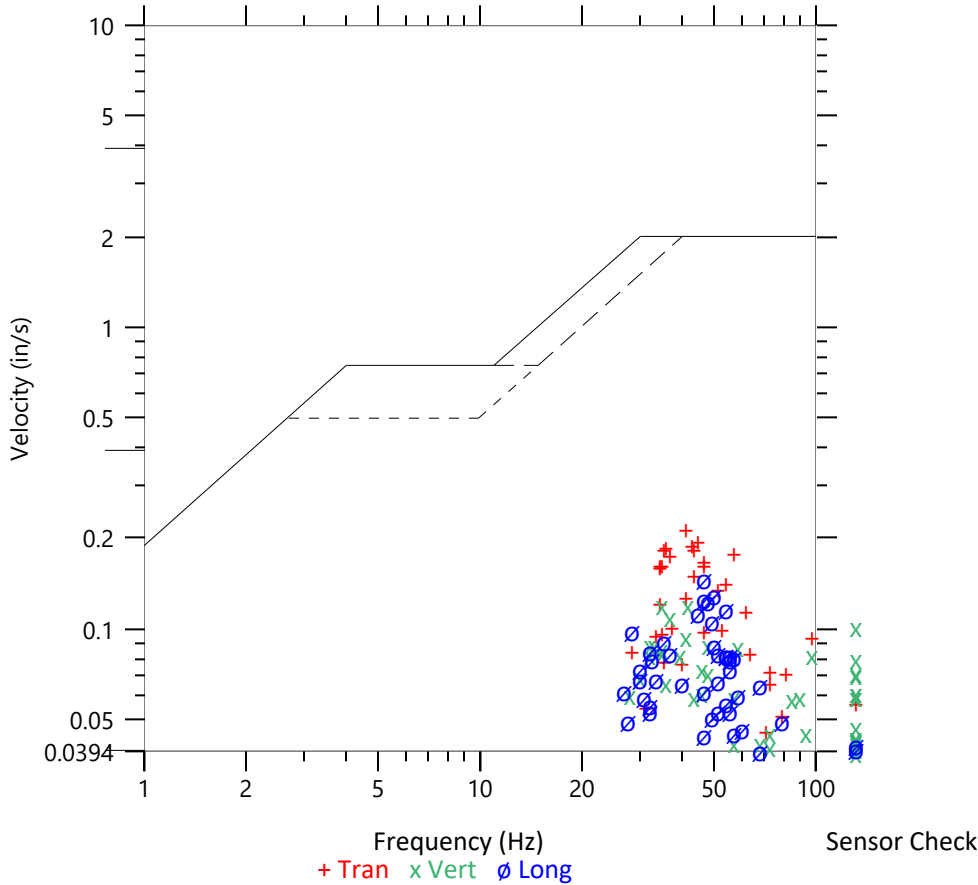
Tran	Vert	Long
0.2160 in/s	0.1226 in/s	0.1489 in/s
41.0 Hz	34.7 Hz	46.5 Hz
0.217 sec	0.220 sec	0.143 sec
0.263 g	0.207 g	0.158 g
0.001 in	0.000 in	0.000 in
✓ Passed	✓ Passed	✓ Passed
7.5 Hz	7.5 Hz	7.1 Hz
3.2	3.3	3.7

Peak Vector Sum 0.2282 in/s at 0.201 sec

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

0.000709 psi
107.8 dB(L)
1.693 sec
2.8 Hz
✓ Passed
20.5 Hz
1268 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 July 30, 2024 11:23:45
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

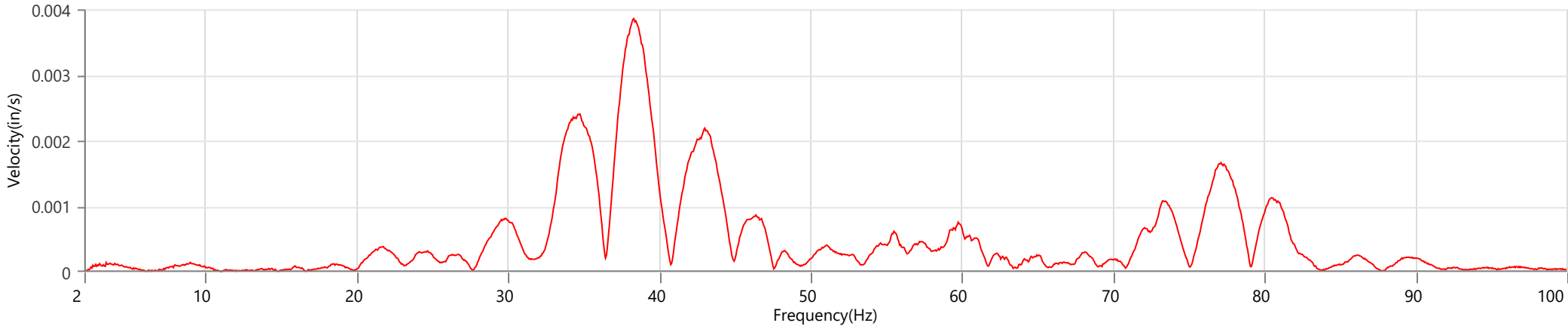
UM8723
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM8723_20240730112345.IDFW
Disabled

Notes
Location
Client
Company
General Notes

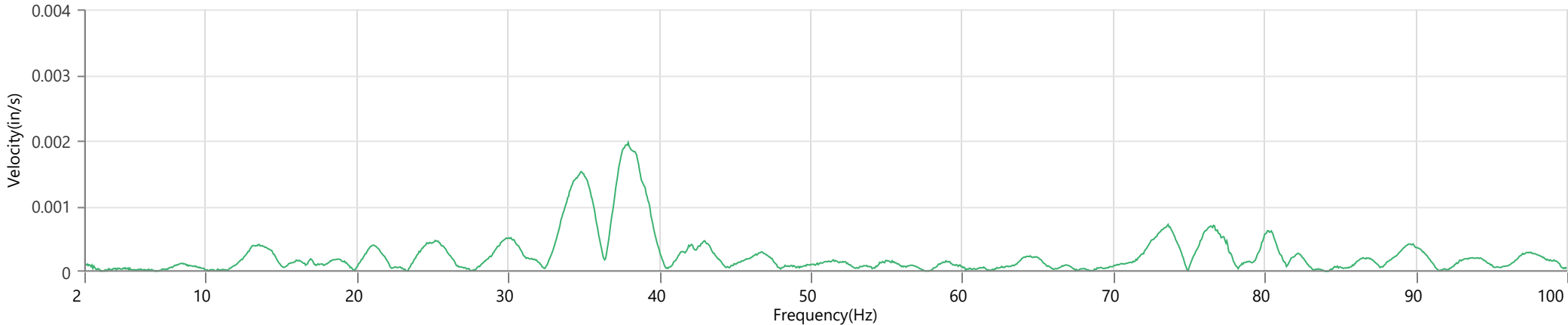
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

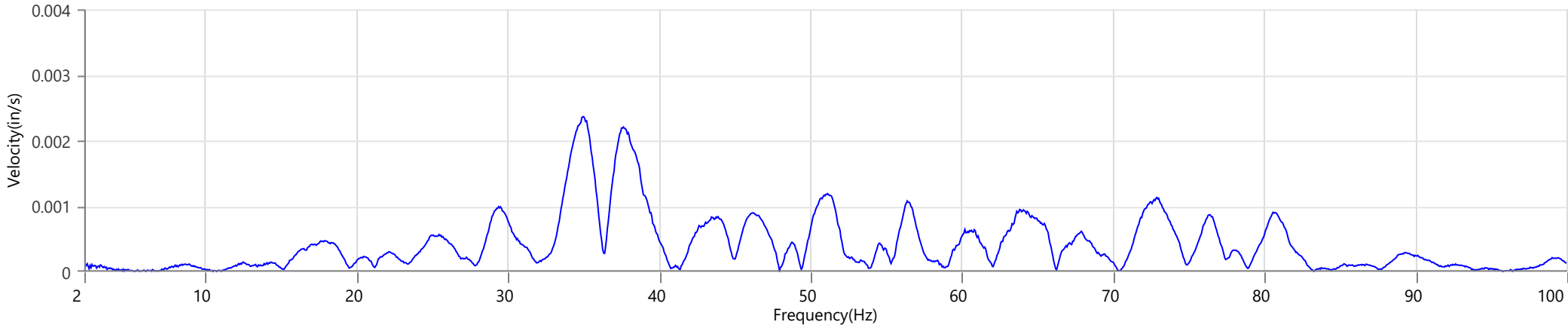
Tran - Dominant Frequency 38.3 Hz, Amplitude 0.0039 in/s (Peak Particle Velocity: 0.2160 in/s)



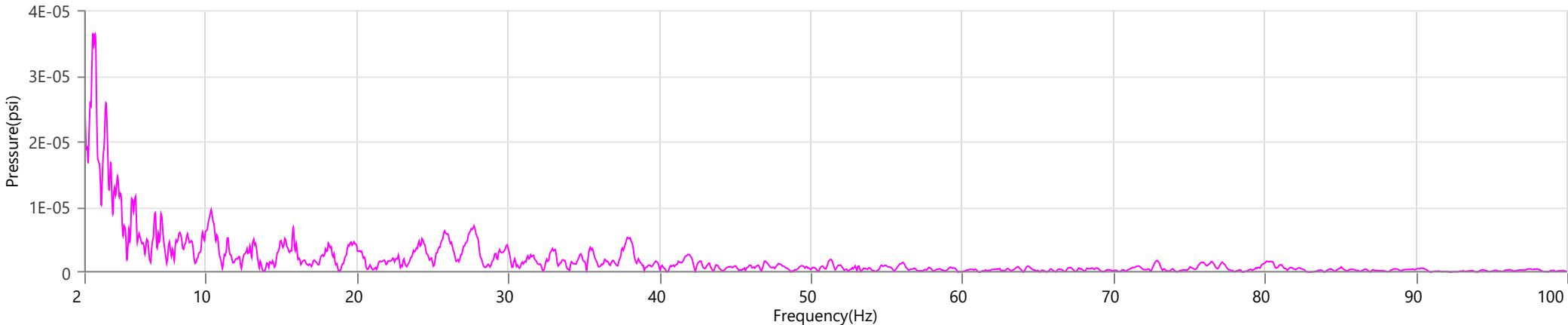
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0020 in/s (Peak Particle Velocity: 0.1226 in/s)



Long - Dominant Frequency 35.0 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1489 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000709 psi)



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

Vert at July 30, 2024 11:23:45
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_20240730112345.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

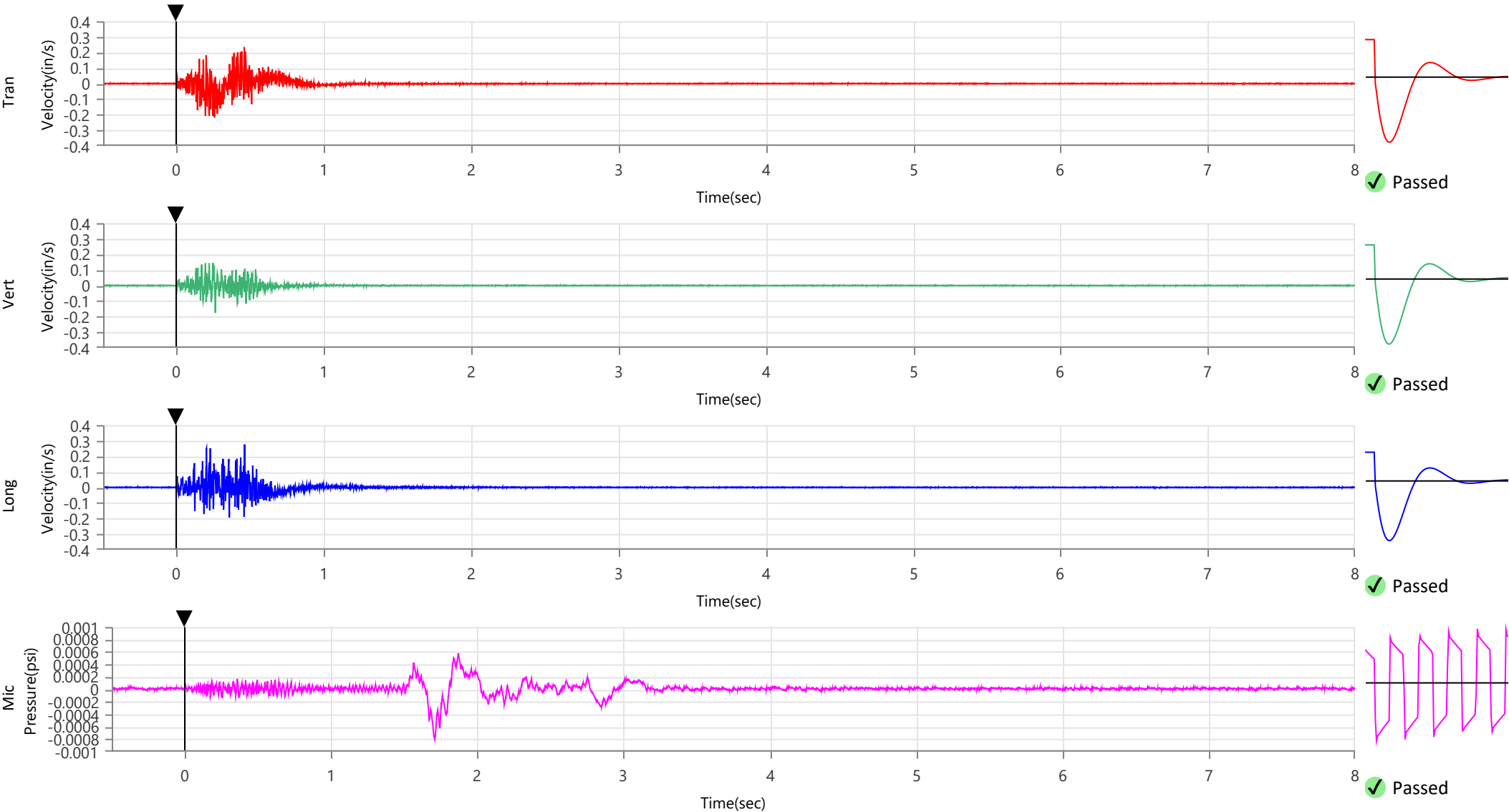
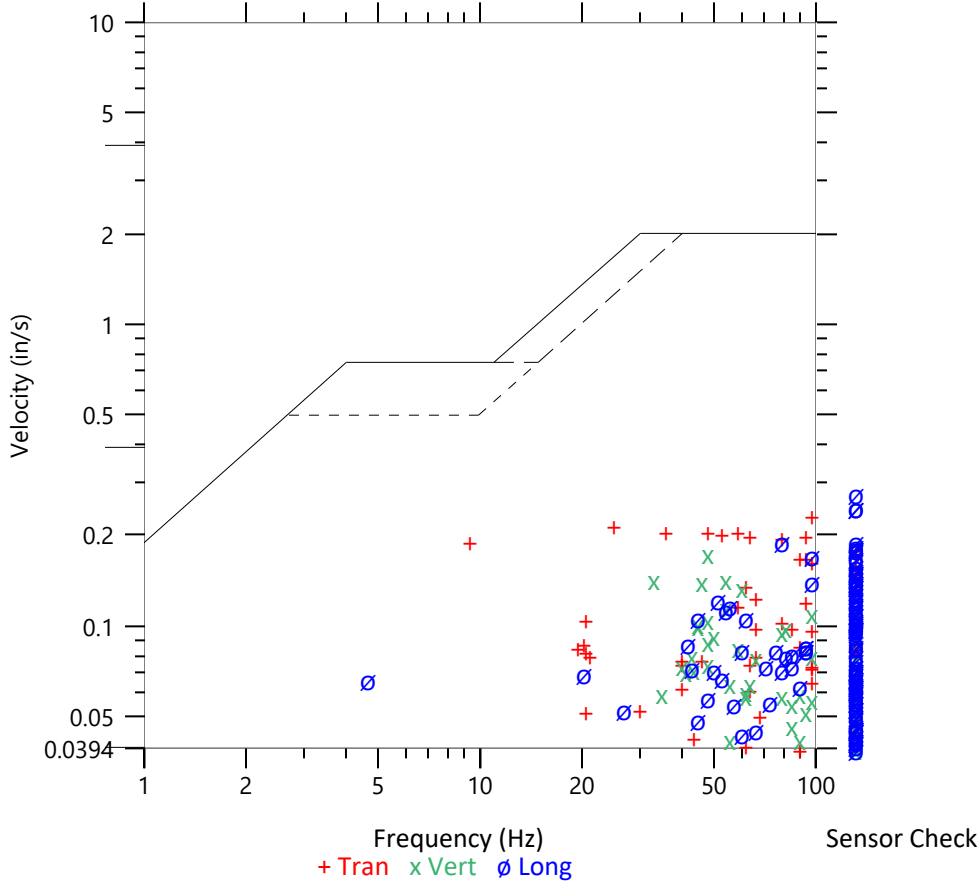
Tran	Vert	Long
0.2343 in/s	0.1750 in/s	0.2756 in/s
97.5 Hz	47.6 Hz	>100 Hz
0.459 sec	0.262 sec	0.461 sec
0.378 g	0.273 g	0.490 g
0.002 in	0.000 in	0.001 in
✓ Passed	✓ Passed	✓ Passed
7.3 Hz	7.3 Hz	7.3 Hz
4.4	4.2	4.5

Peak Vector Sum 0.2938 in/s at 0.221 sec

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

0.000803 psi
108.8 dB(L)
1.709 sec
3.1 Hz
✓ Passed
20.5 Hz
1320 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



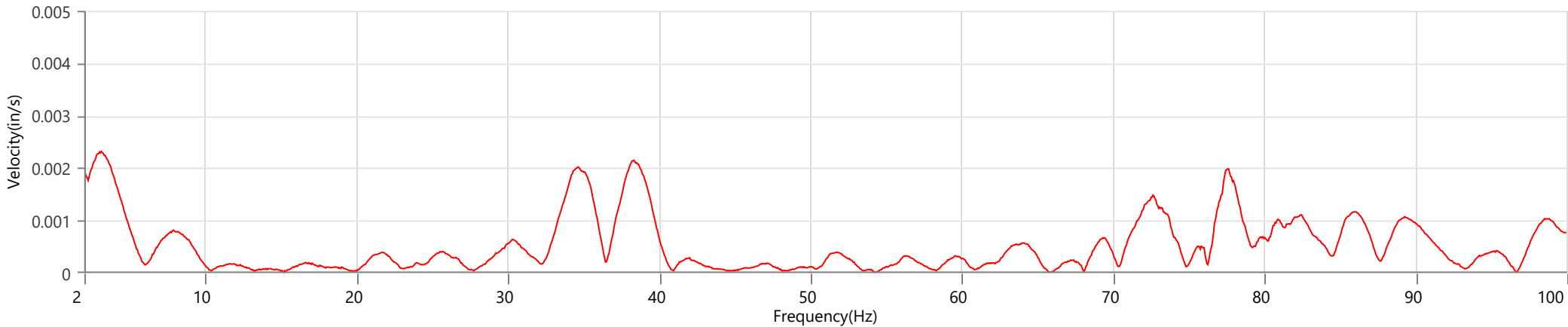
Waveform Trigger Source Vert at July 30, 2024 11:23:45
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 5.mmb
Operator Operator

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_20240730112345.IDFW
USB Sensor Support Disabled

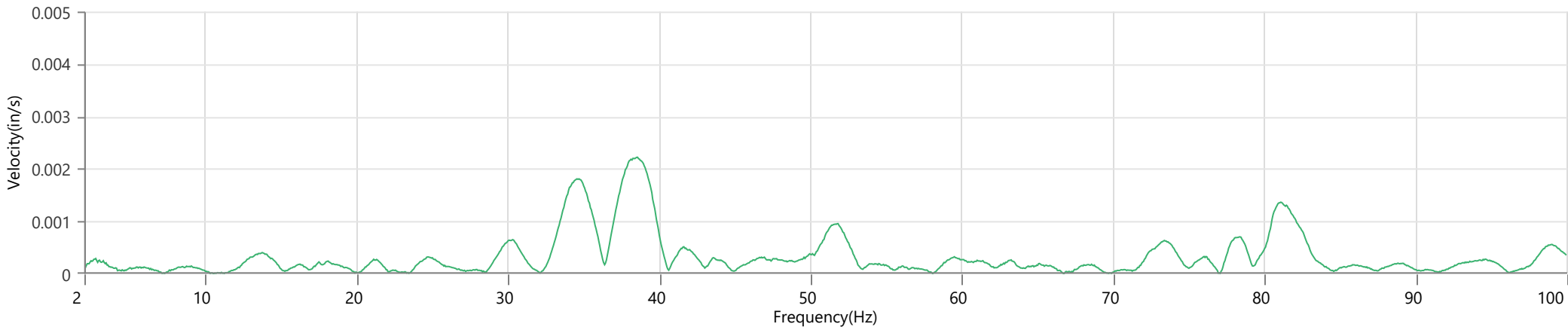
Notes
Location Station 5
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

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

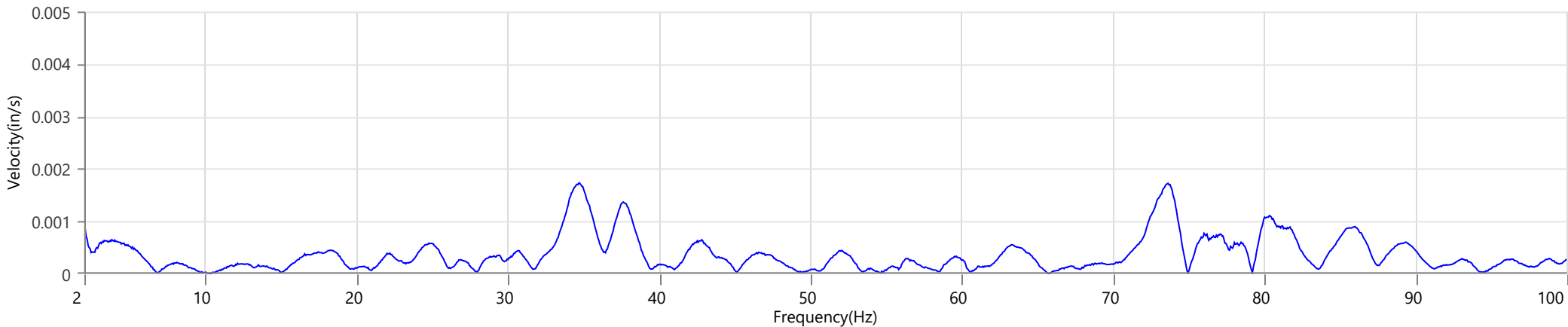
Tran - Dominant Frequency 3.1 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.2343 in/s)



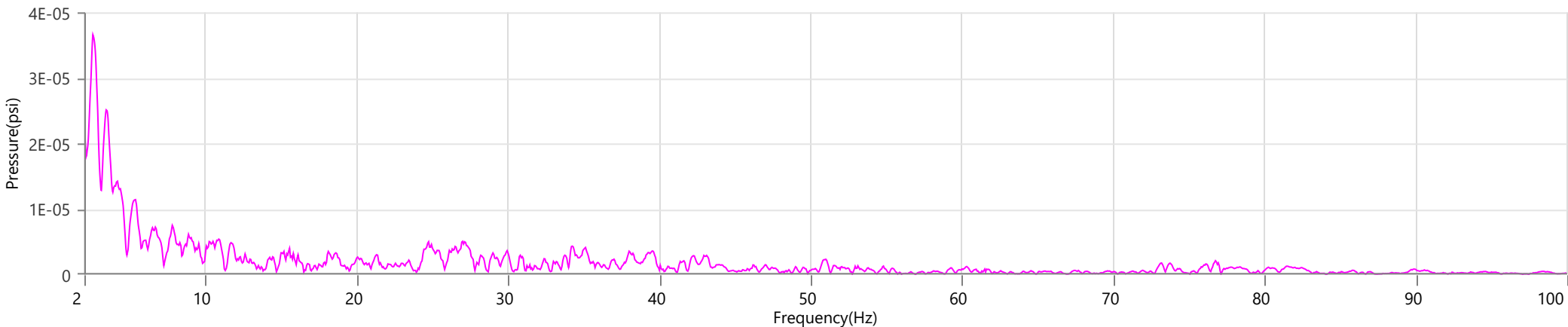
Vert - Dominant Frequency 38.6 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1750 in/s)



Long - Dominant Frequency 34.7 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.2756 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000803 psi)



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

Vert at July 30, 2024 11:23:46
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_20240730112346.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
0.1694 in/s
30.1 Hz
0.421 sec
0.184 g
0.001 in
✓ Passed
7.5 Hz
3.7

Vert
0.2361 in/s
64.0 Hz
0.394 sec
0.336 g
0.001 in
✓ Passed
7.7 Hz
3.5

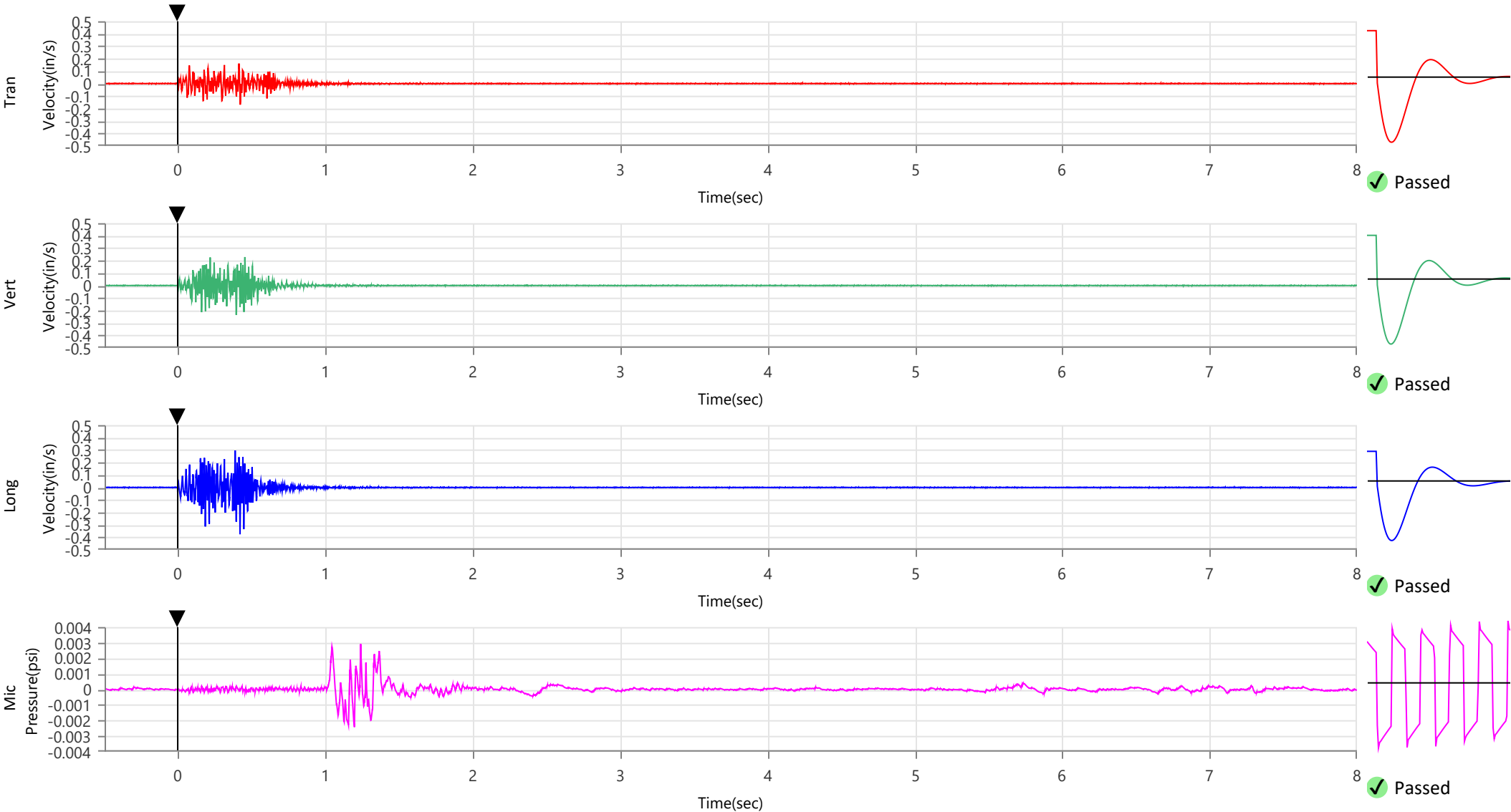
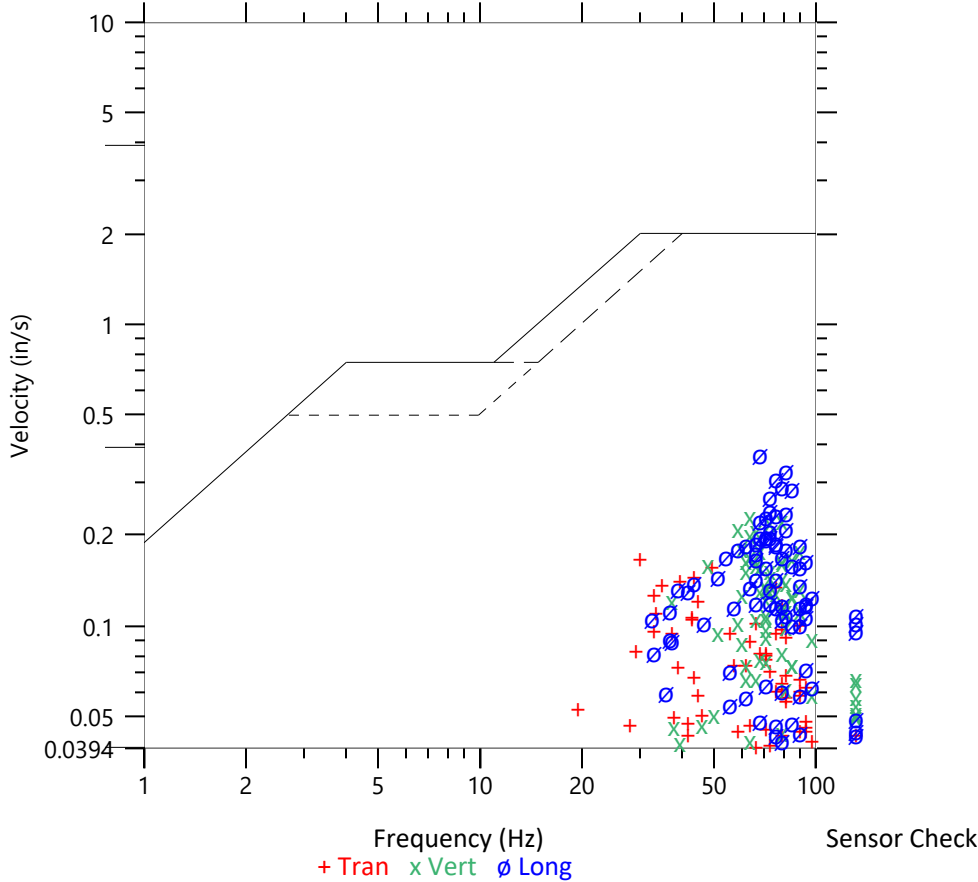
Long
0.3761 in/s
68.3 Hz
0.419 sec
0.425 g
0.001 in
✓ Passed
7.1 Hz
4.3

Peak Vector Sum 0.4331 in/s at 0.420 sec

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

0.002910 psi
120.0 dB(L)
1.239 sec
28.4 Hz
✓ Passed
20.5 Hz
1269 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 July 30, 2024 11:23:46
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

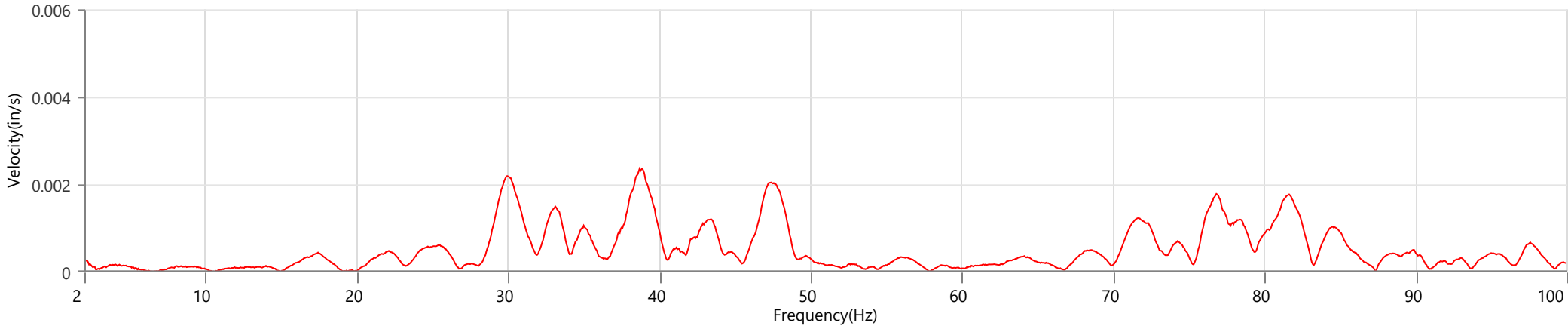
UM11400
Micromate ISEE 11.0AK
3.8 volts
May 21, 2024 by Instantel
UM11400_20240730112346.IDFW
Disabled

Notes
Location
Client
Company
General Notes

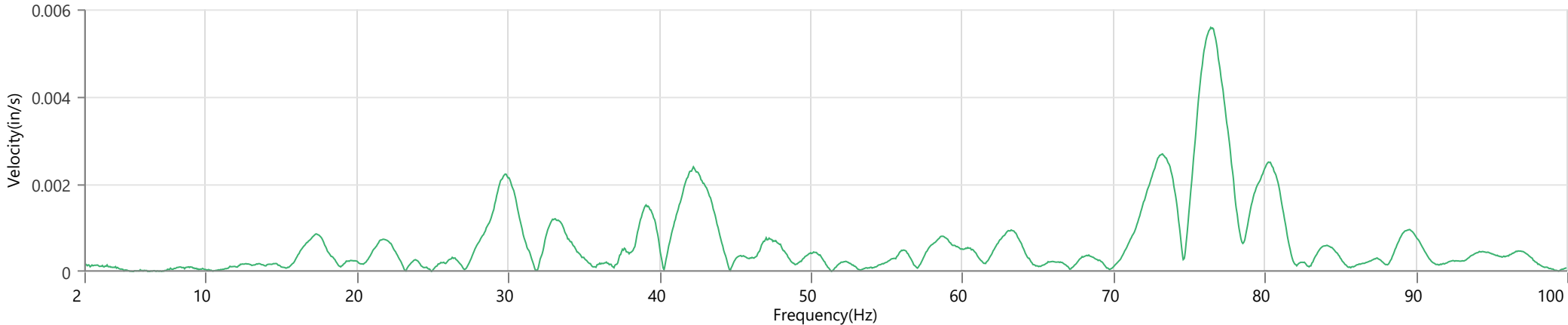
Station 6
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

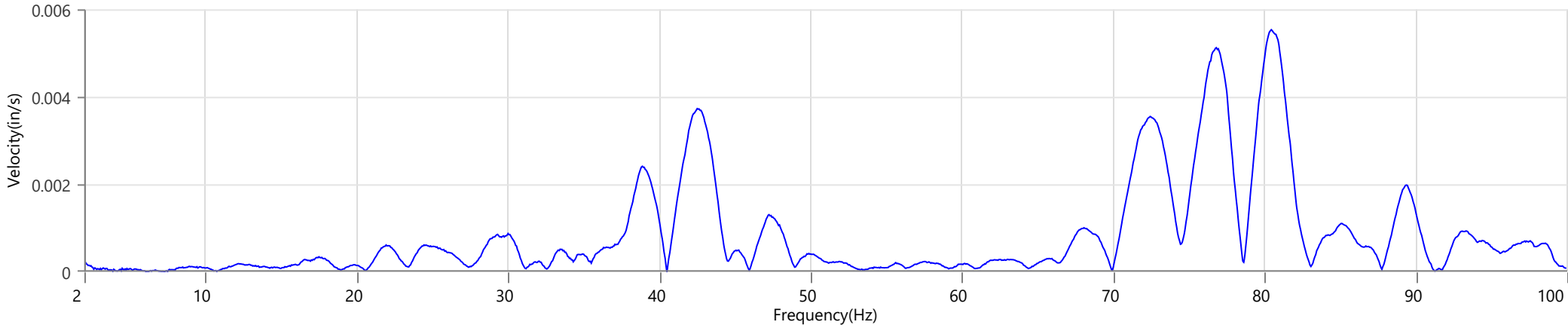
Tran - Dominant Frequency 38.9 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1694 in/s)



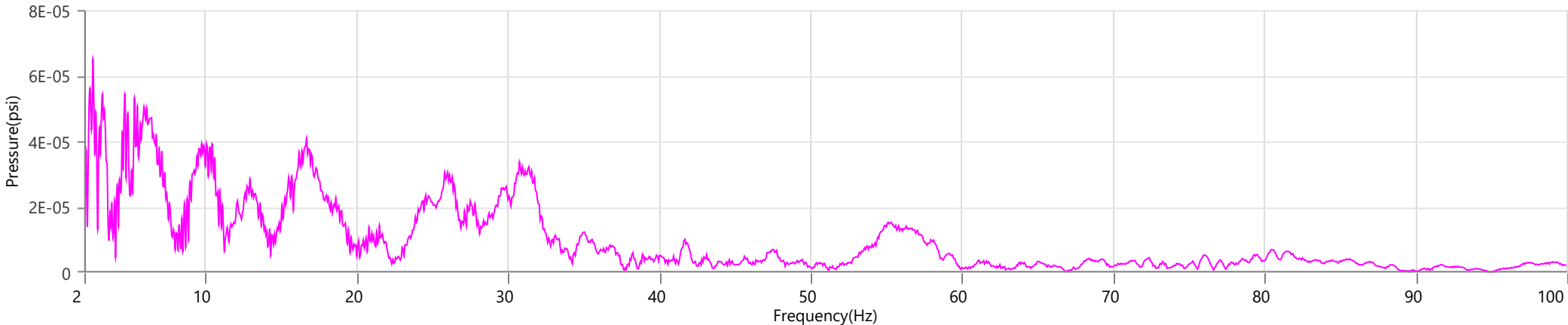
Vert - Dominant Frequency 76.4 Hz, Amplitude 0.0056 in/s (Peak Particle Velocity: 0.2361 in/s)



Long - Dominant Frequency 80.4 Hz, Amplitude 0.0055 in/s (Peak Particle Velocity: 0.3761 in/s)



Mic - Dominant Frequency 2.6 Hz, Amplitude 0.00006 psi (Peak Sound Pressure Level: 0.002910 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

July 30, 2024 00:00:05

July 30, 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_20240730000005.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

73.3 dB(A)

Jul 30, 2024

17:53:05

LMin

L10

L90

Leq

31.7

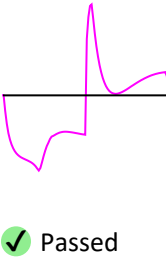
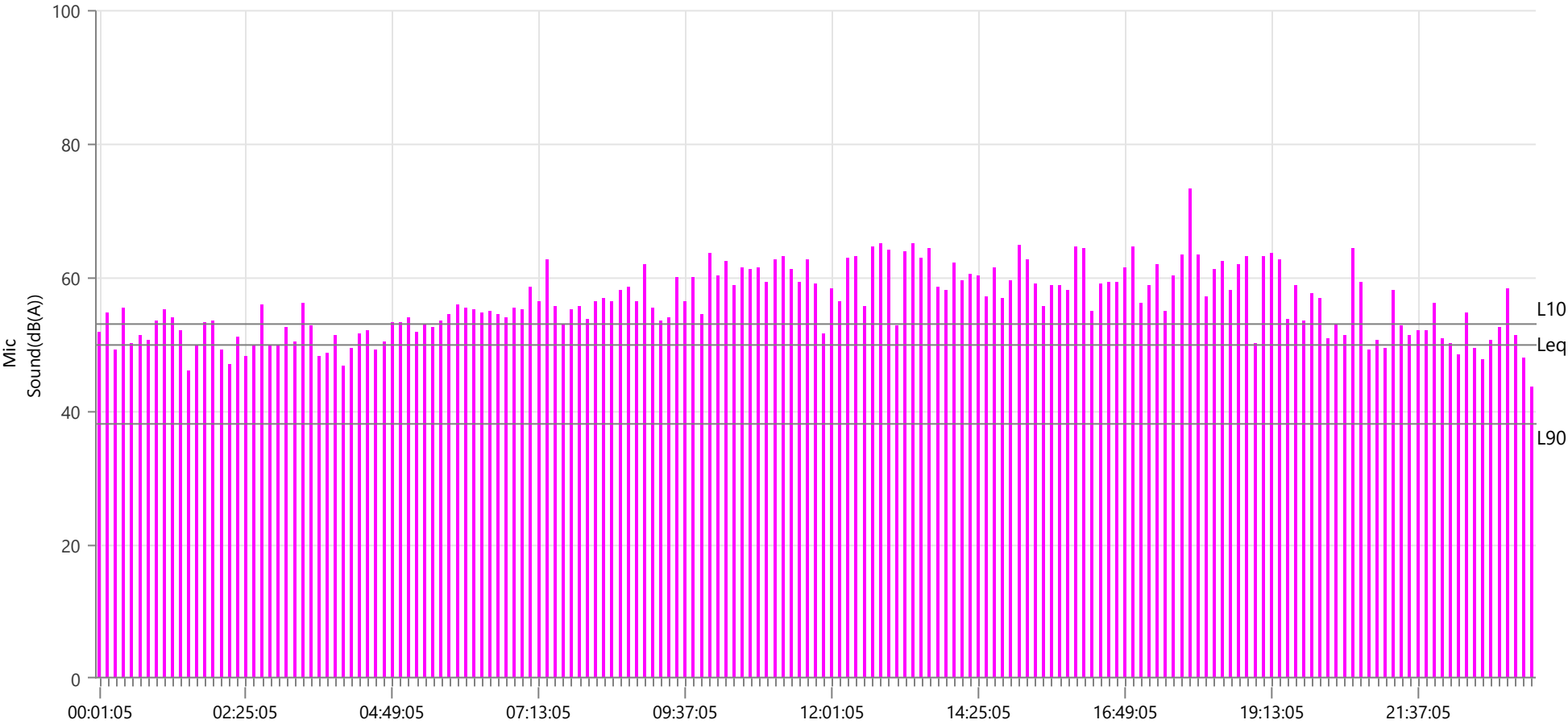
53

38

49.9

✓ Passed

1000 mv



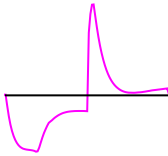
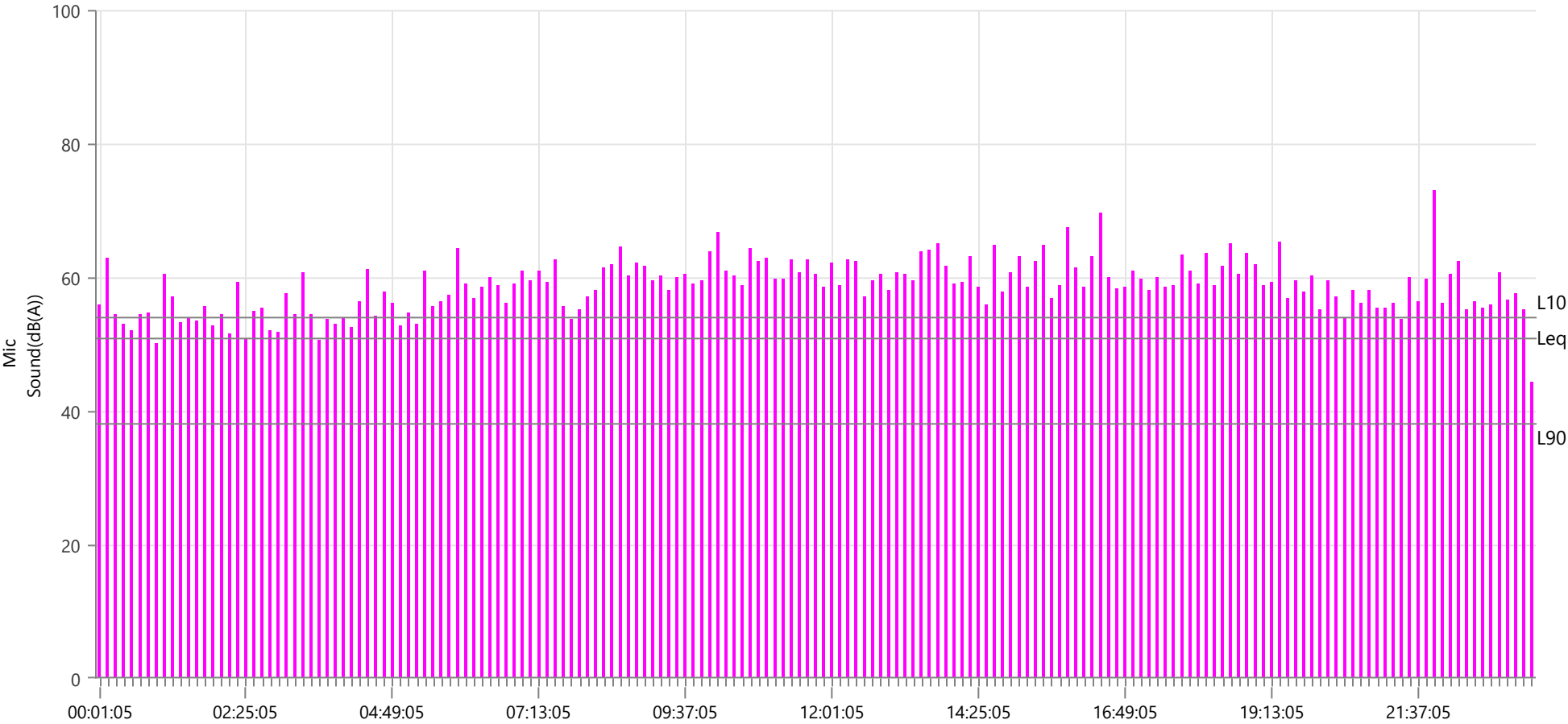
Start July 30, 2024 00:00:05
Finish July 30, 2024 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 3.mmb
Operator Operator

Serial Number UM8048
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Microphone Calibration UA10761, July 29, 2022 by Instantel
Event File Name UM8048_20240730000005.IDFH
USB Sensor Support 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 73.0 dB(A)
Date Jul 30, 2024
Time 21:53:05
Sound(dB(A)) LMin 31.9 L10 54 L90 38 Leq 50.8
Sensor Check ✓ Passed
Test Amplitude 1089 mv

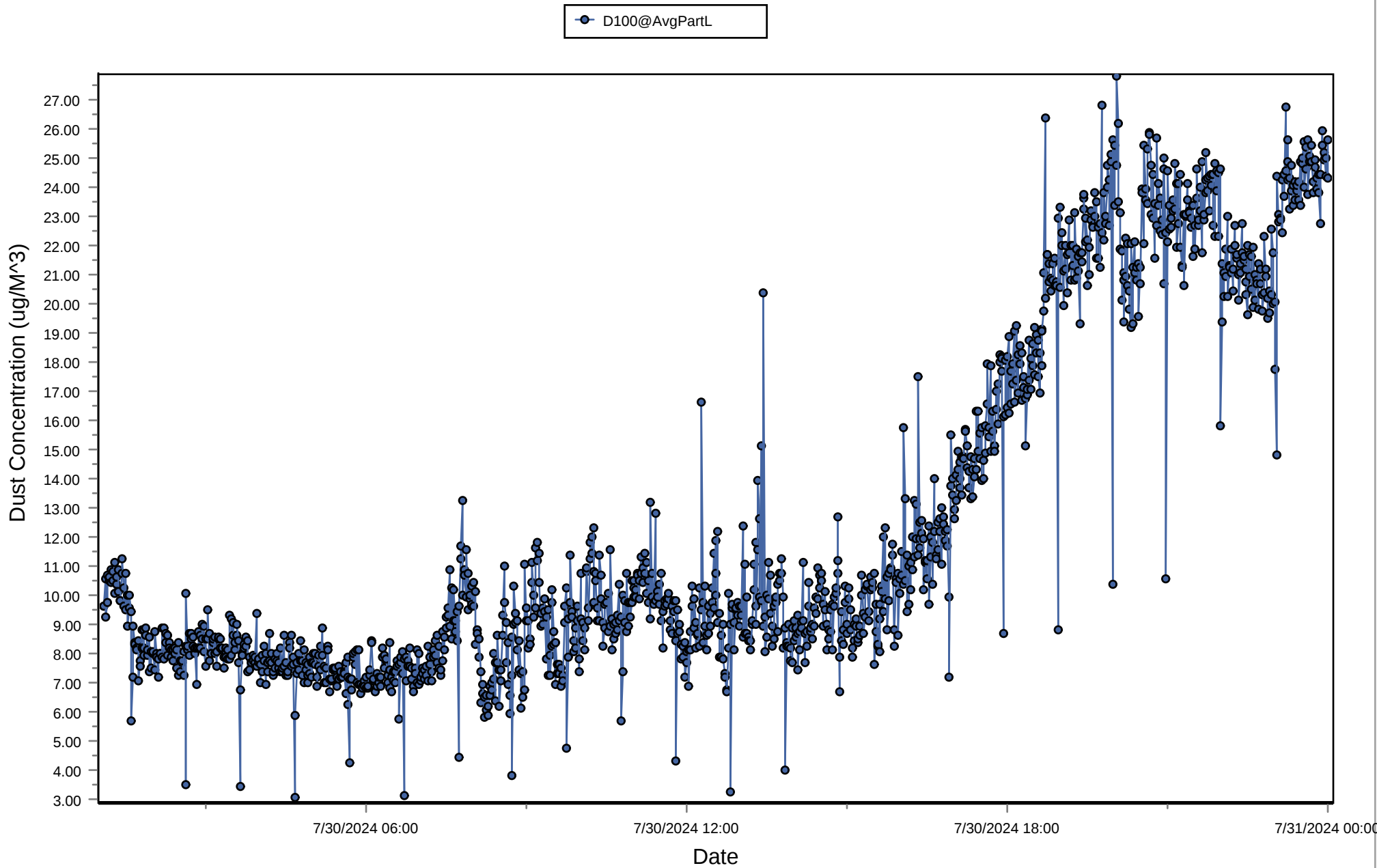


✓ Passed

Sensor Check

Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

