

Waveform Trigger Source Long at September 27, 2024 10:49:19
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_20240927104919.IDFW
USB Sensor Support Disabled

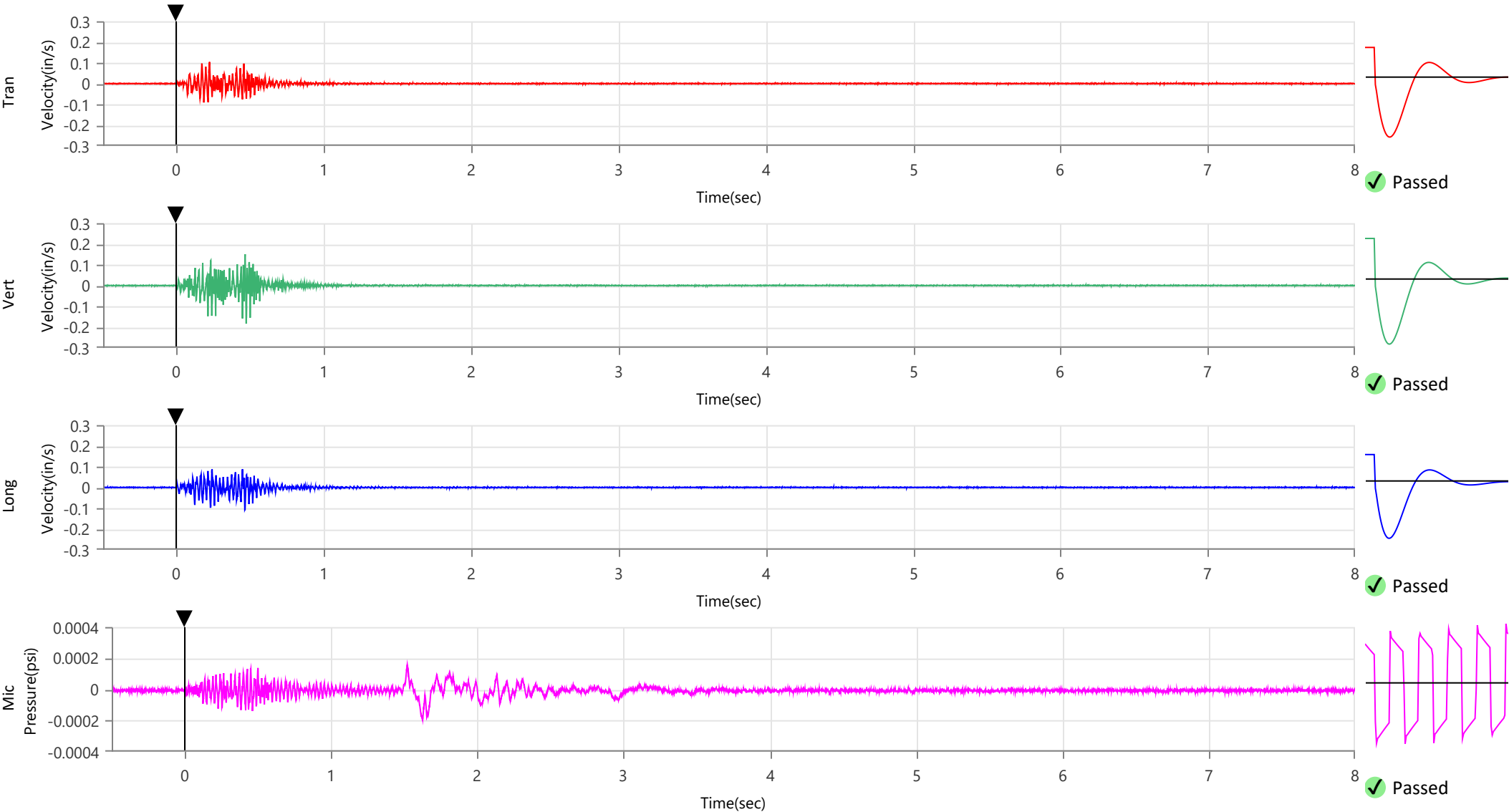
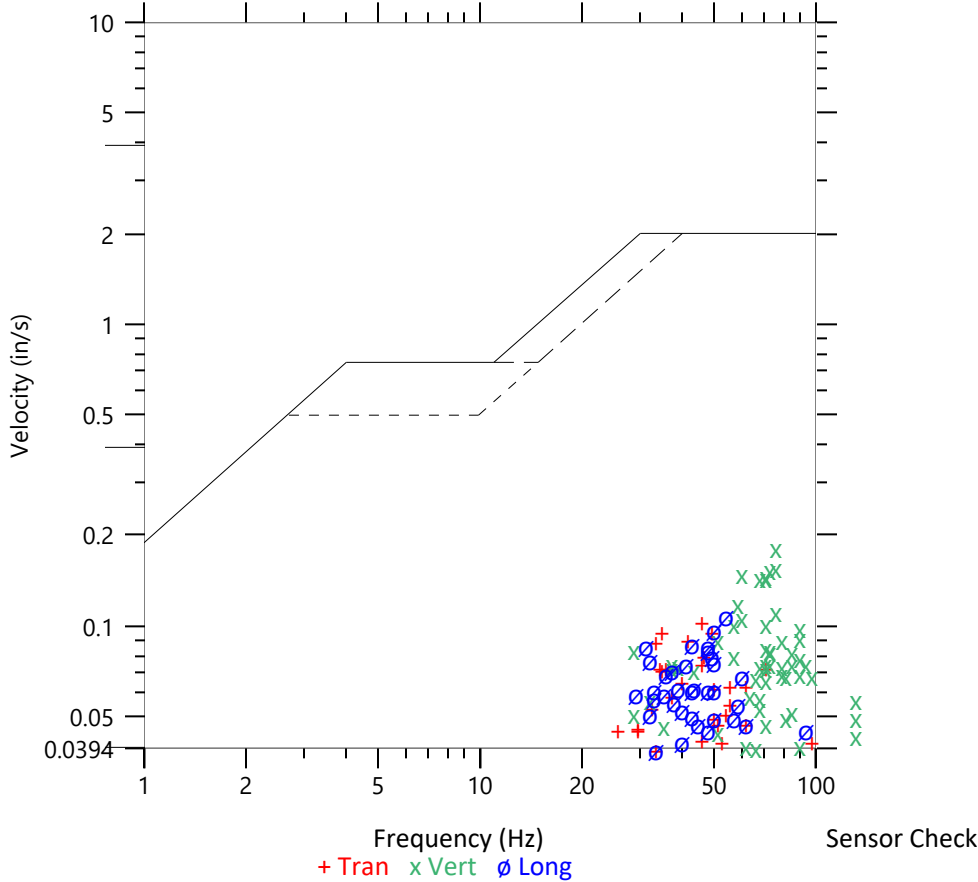
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.1040 in/s	0.1840 in/s	0.1089 in/s
Zero Crossing Frequency	45.5 Hz	75.9 Hz	53.9 Hz
Time (Relative to Trigger)	0.223 sec	0.472 sec	0.463 sec
Peak Acceleration	0.105 g	0.227 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	3.9	5.1
Peak Vector Sum	0.1971 in/s at 0.472 sec		

ISEE Linear Microphone
Peak Sound Pressure Level 0.000189 psi
Peak Sound Pressure Level 96.3 dB(L)
Time (Relative to Trigger) 1.624 sec
Zero Crossing Frequency 4.4 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1390 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



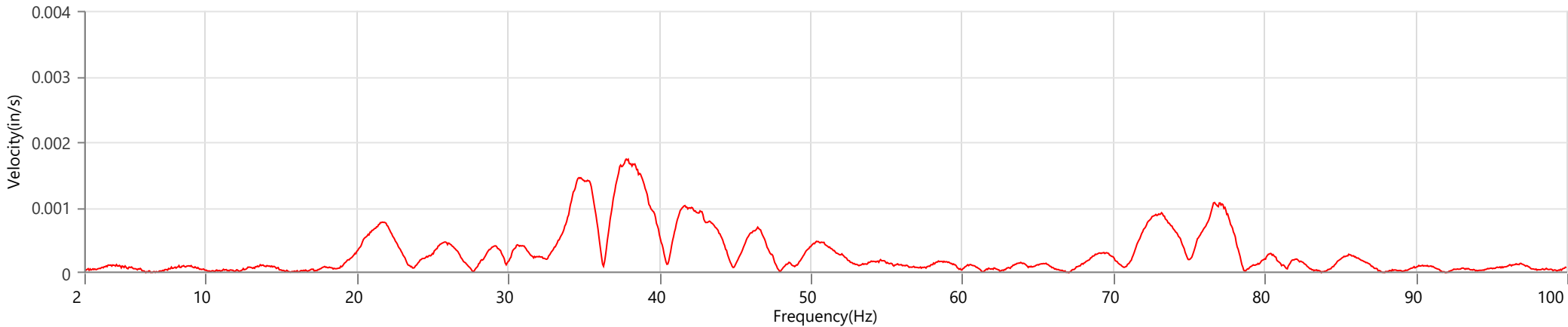
Waveform Trigger Source Long at September 27, 2024 10:49:19
Trigger Level(s) Geo 0.0200 in/s
Trigger Level (Mic) Mic 0.01029 psi, 131 dB(L)
Pre-Trigger/Record Time 0.50 sec/8.0 sec (Fixed)
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Station 2.mmb
Operator Operator

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_20240927104919.IDFW
USB Sensor Support Disabled

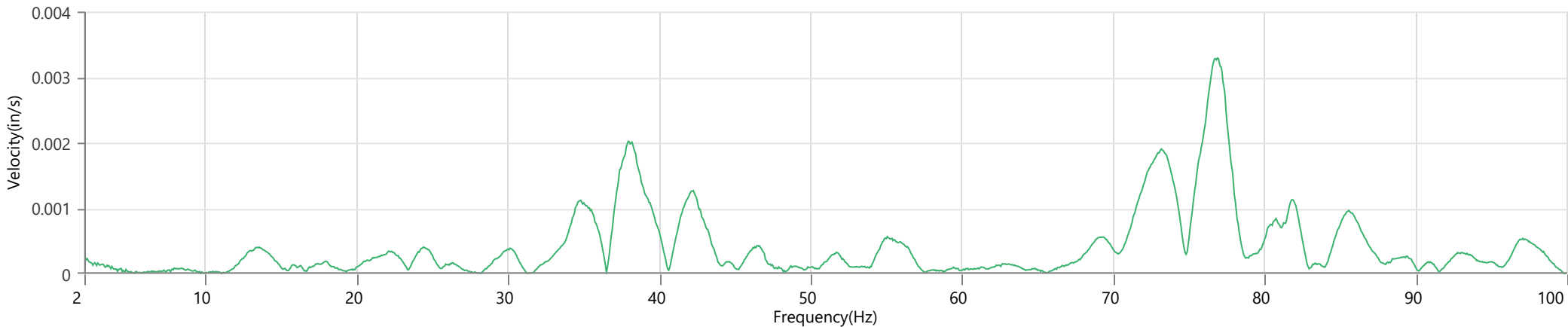
Notes
Location Station 2
Client Spicewood Crushed Stone
Company Hwy 71
General Notes IGS, Inc

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

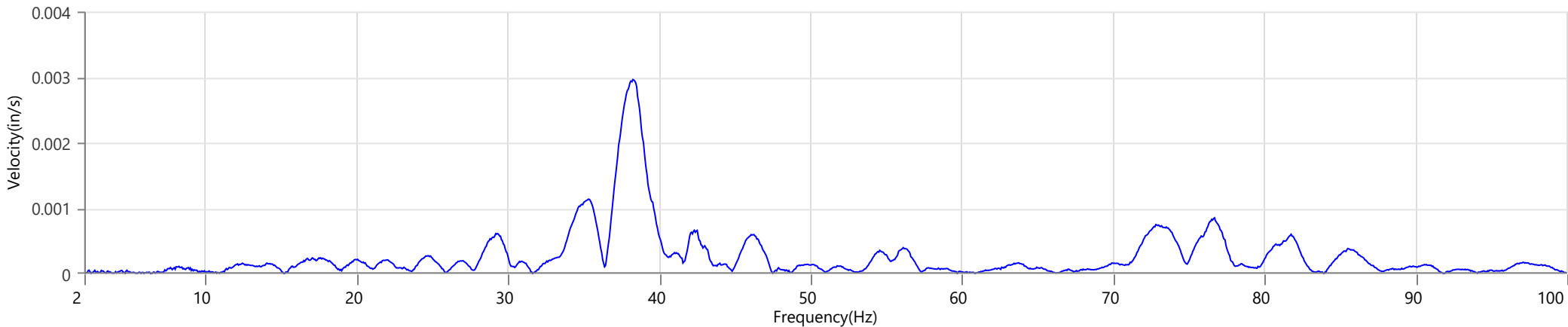
Tran - Dominant Frequency 37.8 Hz, Amplitude 0.0017 in/s (Peak Particle Velocity: 0.1040 in/s)



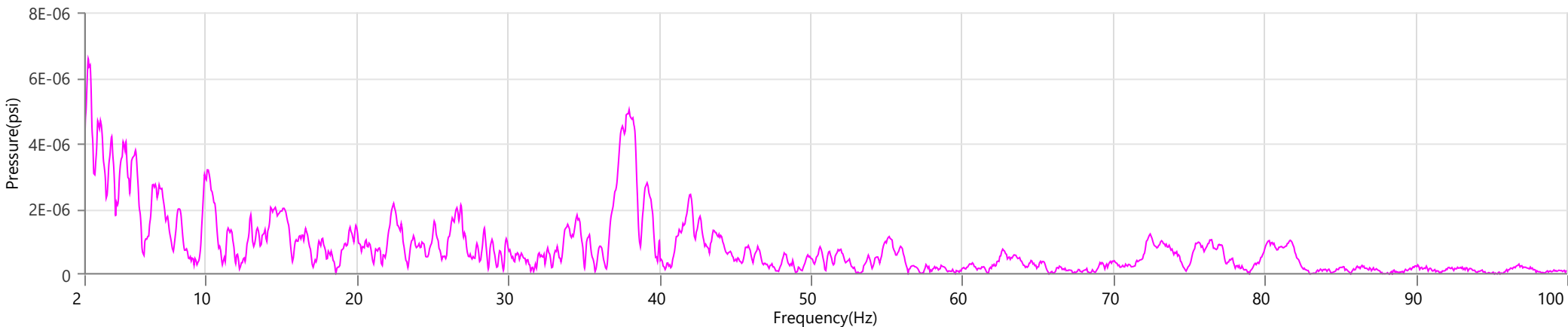
Vert - Dominant Frequency 76.9 Hz, Amplitude 0.0033 in/s (Peak Particle Velocity: 0.1840 in/s)



Long - Dominant Frequency 38.2 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1089 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000189 psi)



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

Vert at September 27, 2024 10:49:20
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_20240927104920.IDFW
Disabled

Notes
Location
Client
Company
General Notes

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

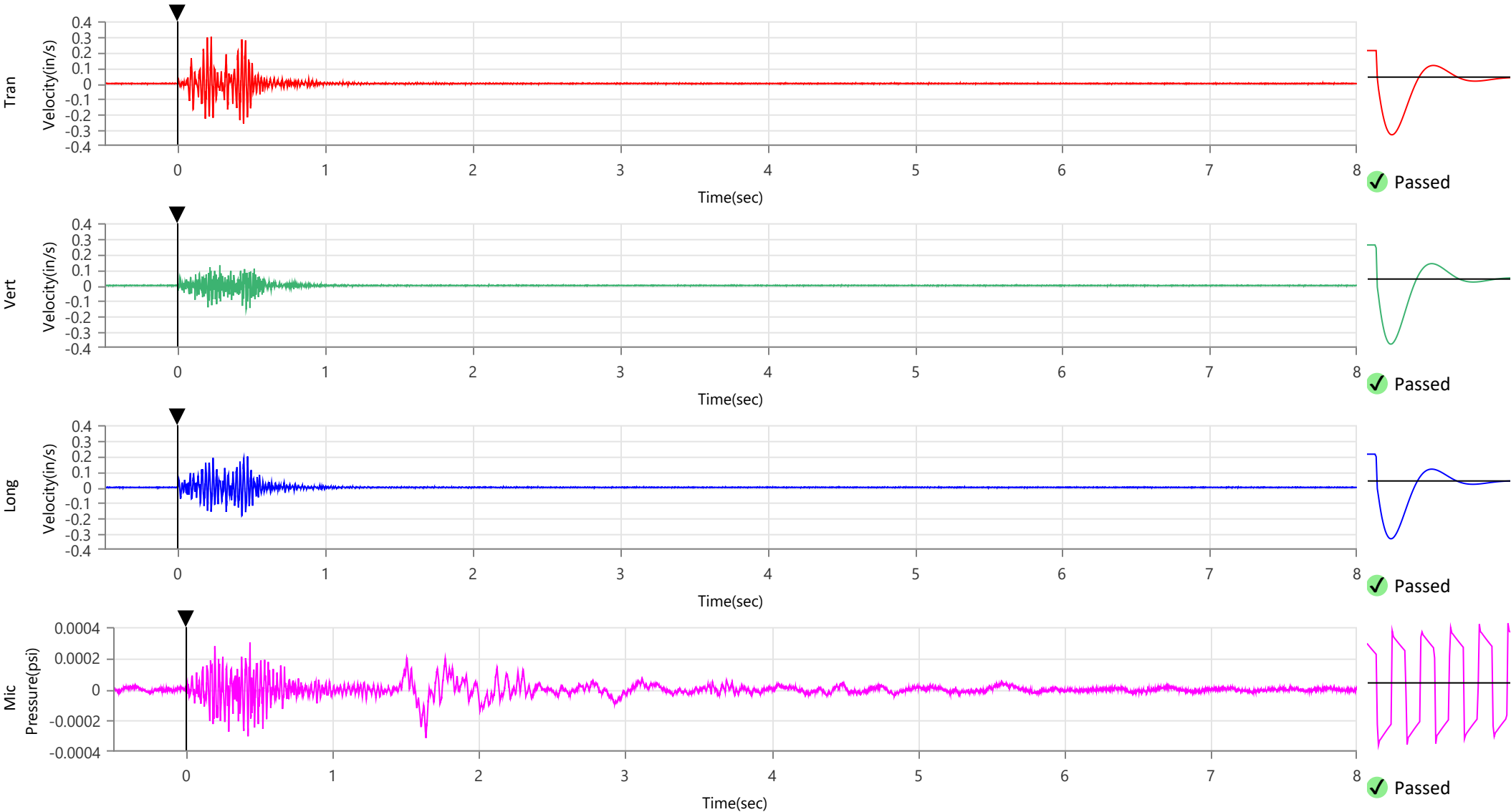
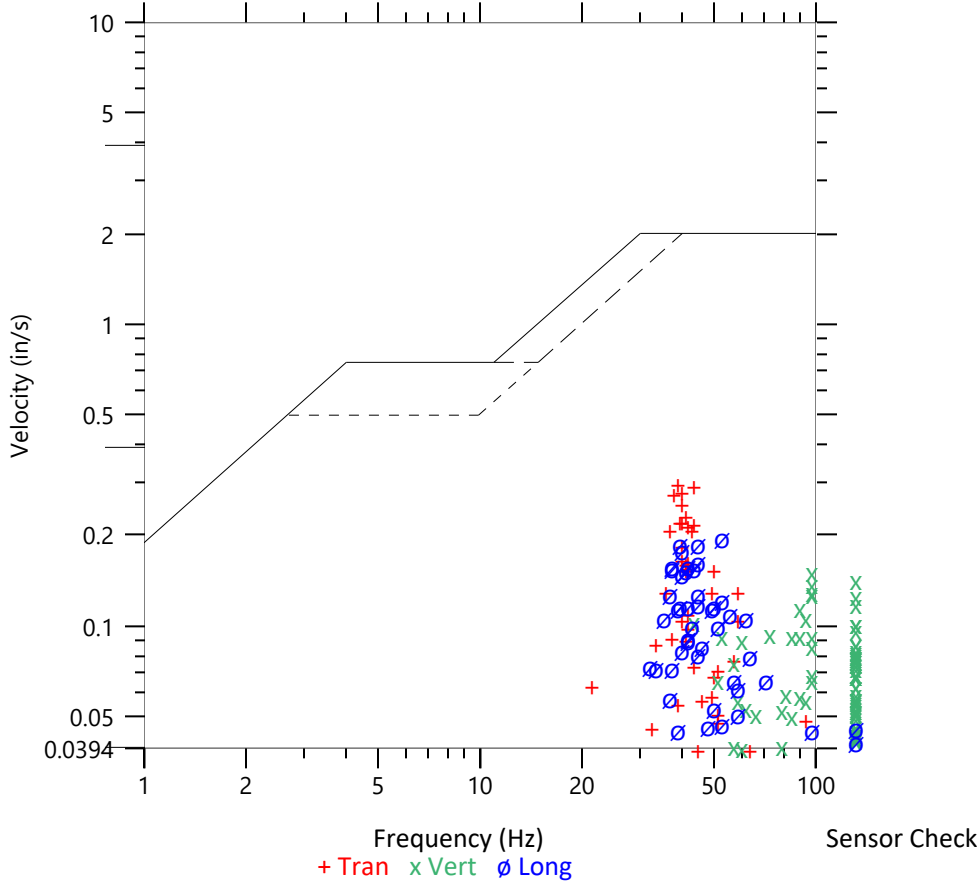
Extended Note N30.49742 W98.21566
Post Event Notes No text to be displayed.

Geophone	Tran	Vert	Long
Peak Particle Velocity	0.2998 in/s	0.1530 in/s	0.1986 in/s
Zero Crossing Frequency	38.6 Hz	97.5 Hz	52.5 Hz
Time (Relative to Trigger)	0.224 sec	0.461 sec	0.471 sec
Peak Acceleration	0.234 g	0.247 g	0.165 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.9	4.2	4.8
Peak Vector Sum	0.3399 in/s at 0.224 sec		

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

0.000313 psi
100.7 dB(L)
1.637 sec
5.4 Hz
✓ Passed
20.5 Hz
1452 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



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

Vert at September 27, 2024 10:49:20
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

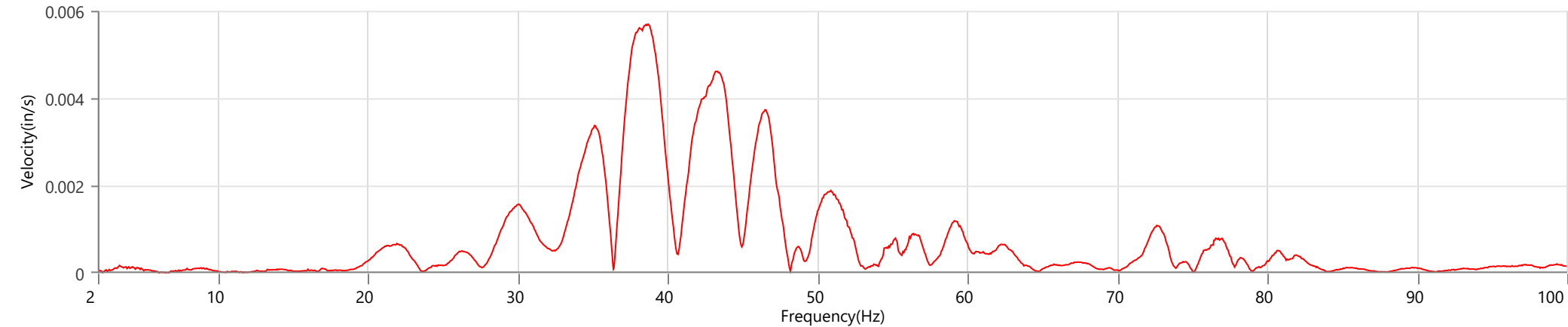
UM18138
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM18138_20240927104920.IDFW
Disabled

Notes
Location
Client
Company
General Notes

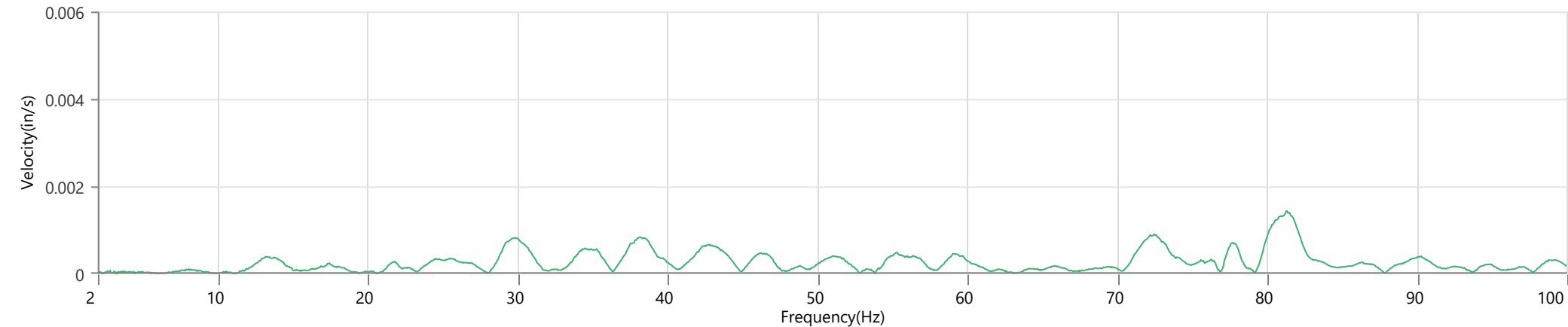
Station 3
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

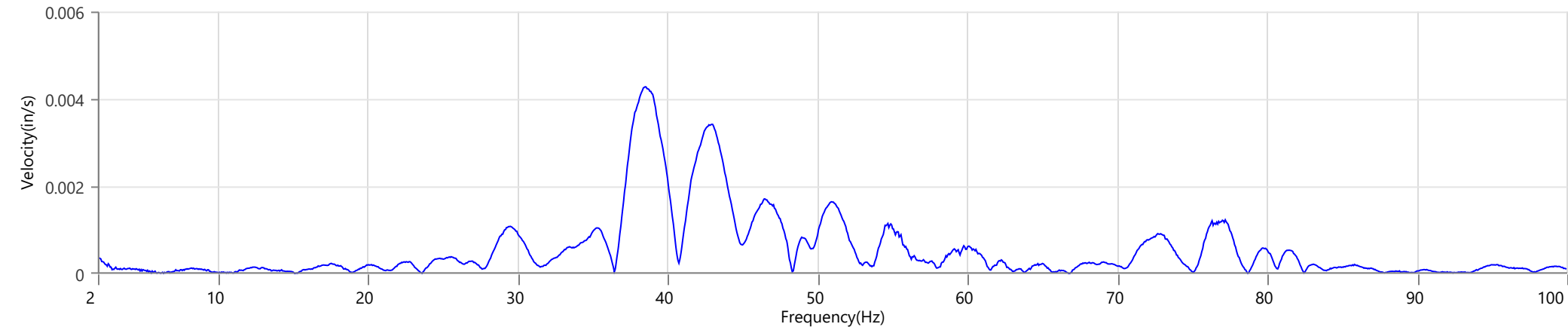
Tran - Dominant Frequency 38.7 Hz, Amplitude 0.0057 in/s (Peak Particle Velocity: 0.2998 in/s)



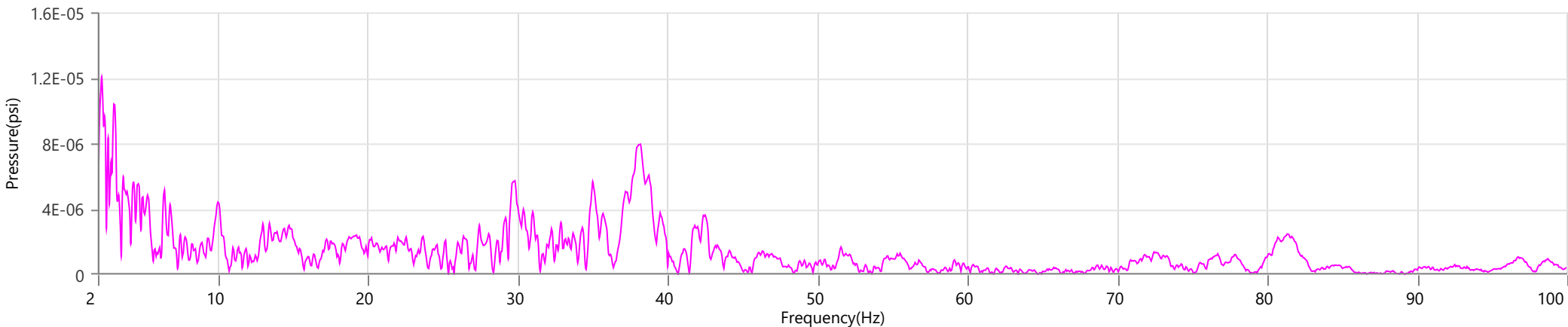
Vert - Dominant Frequency 81.2 Hz, Amplitude 0.0014 in/s (Peak Particle Velocity: 0.1530 in/s)



Long - Dominant Frequency 38.5 Hz, Amplitude 0.0043 in/s (Peak Particle Velocity: 0.1986 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000313 psi)



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

Vert at September 27, 2024 10:49:20
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_20240927104920.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

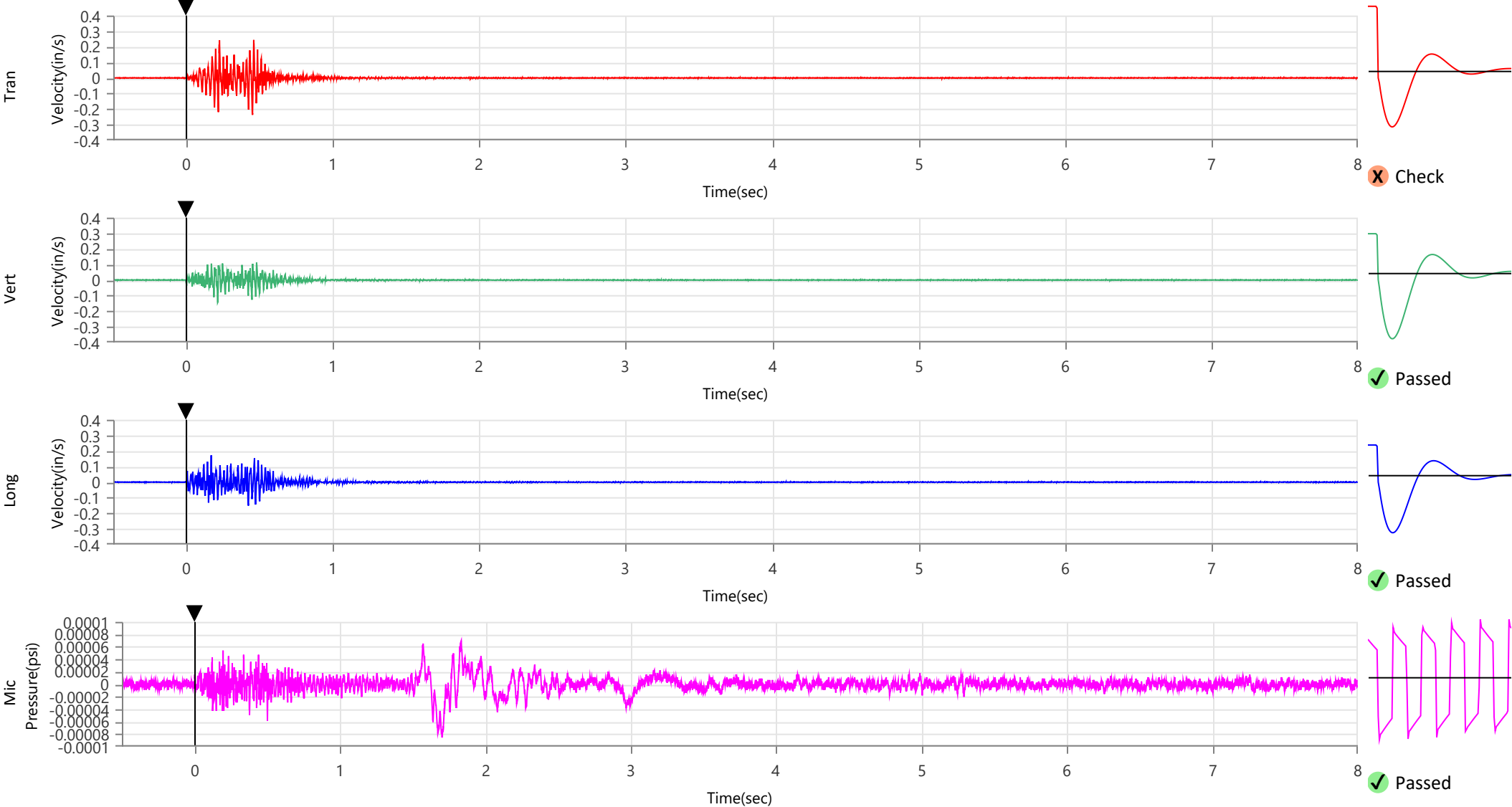
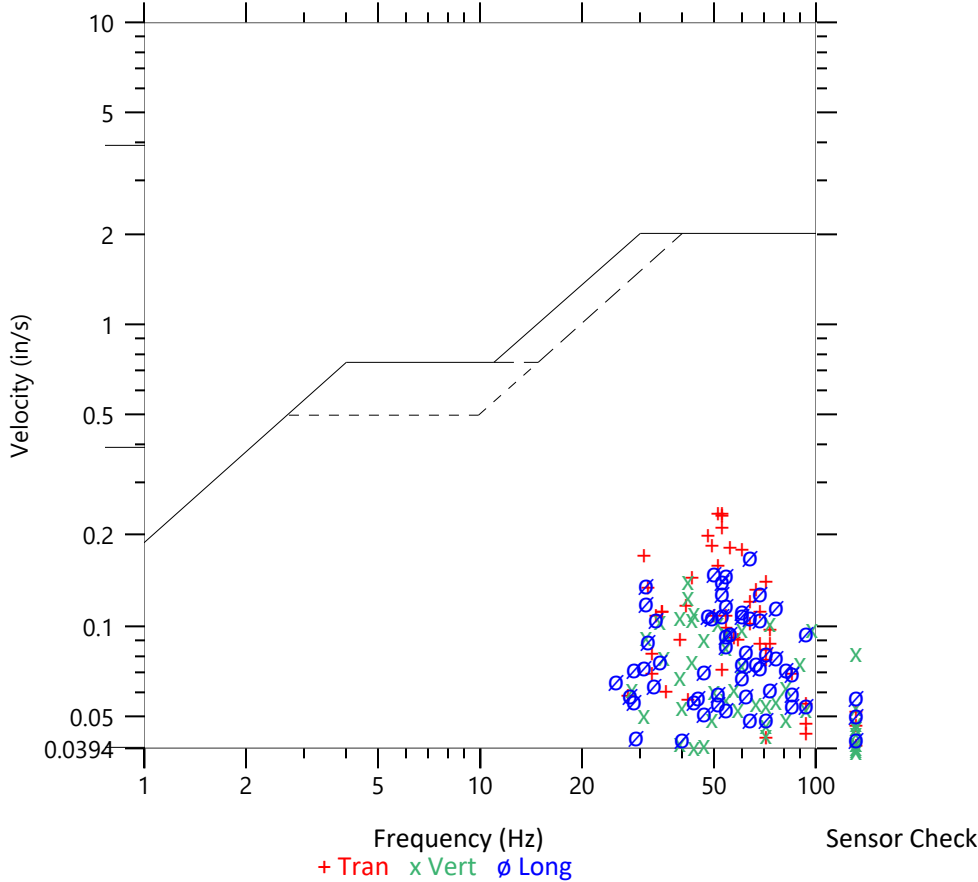
Tran	Vert	Long
0.2433 in/s	0.1443 in/s	0.1719 in/s
50.0 Hz	41.8 Hz	64.0 Hz
0.459 sec	0.214 sec	0.170 sec
0.250 g	0.217 g	0.178 g
0.001 in	0.000 in	0.000 in
✗ Check	✓ Passed	✓ Passed
7.7 Hz	7.5 Hz	7.1 Hz
3.1	3.4	3.8

Peak Vector Sum 0.2525 in/s at 0.451 sec

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

0.000086 psi
89.4 dB(L)
1.703 sec
5.1 Hz
✓ Passed
20.5 Hz
1401 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



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

Vert at September 27, 2024 10:49:20
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

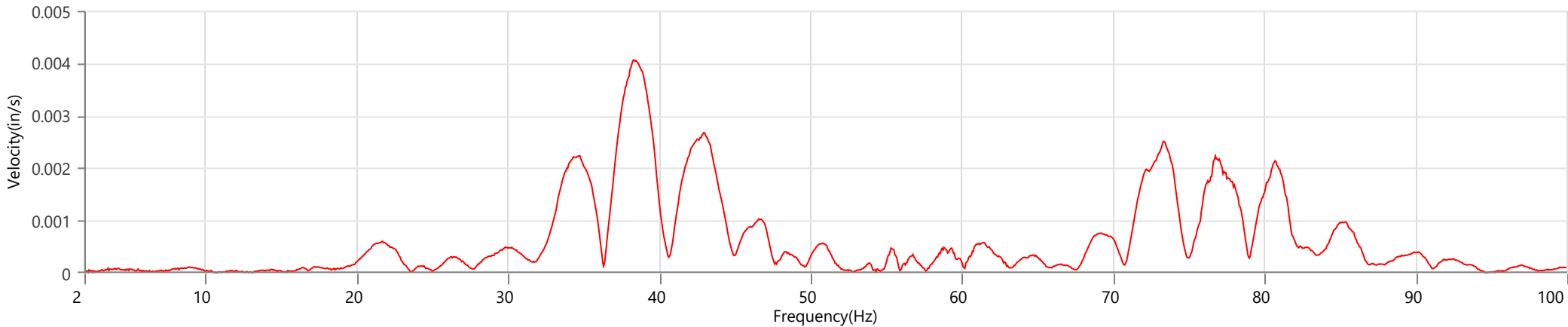
UM8723
Micromate ISEE 11.0AK
3.8 volts
March 25, 2024 by Instantel
UM8723_20240927104920.IDFW
Disabled

Notes
Location
Client
Company
General Notes

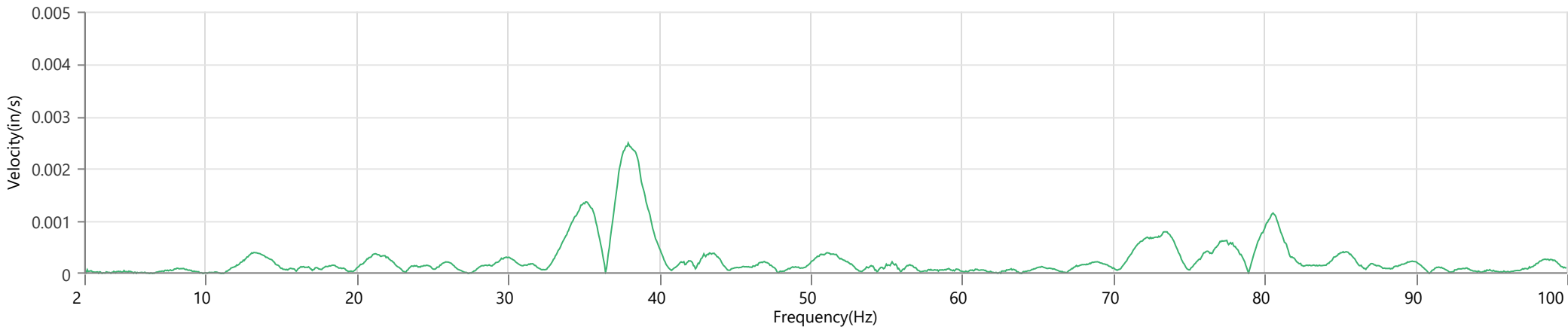
Station 4
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

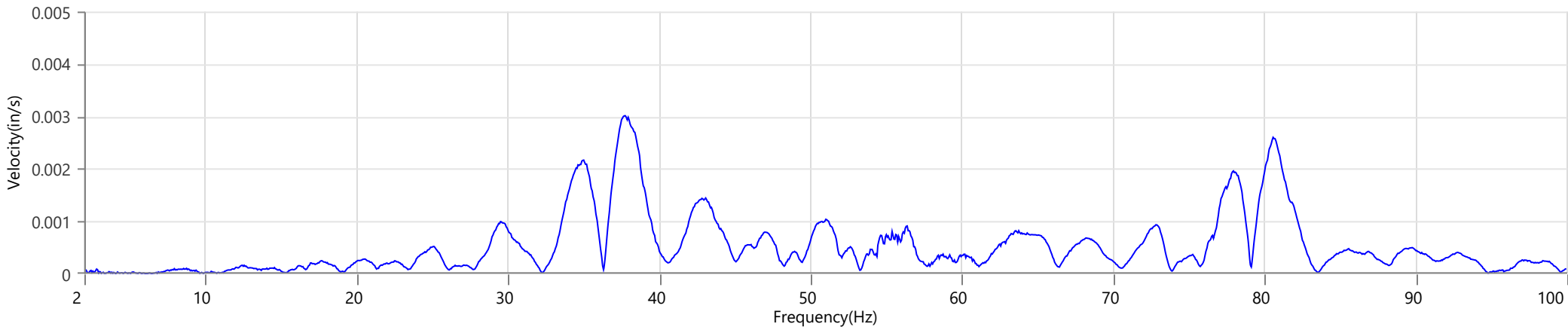
Tran - Dominant Frequency 38.3 Hz, Amplitude 0.0041 in/s (Peak Particle Velocity: 0.2433 in/s)



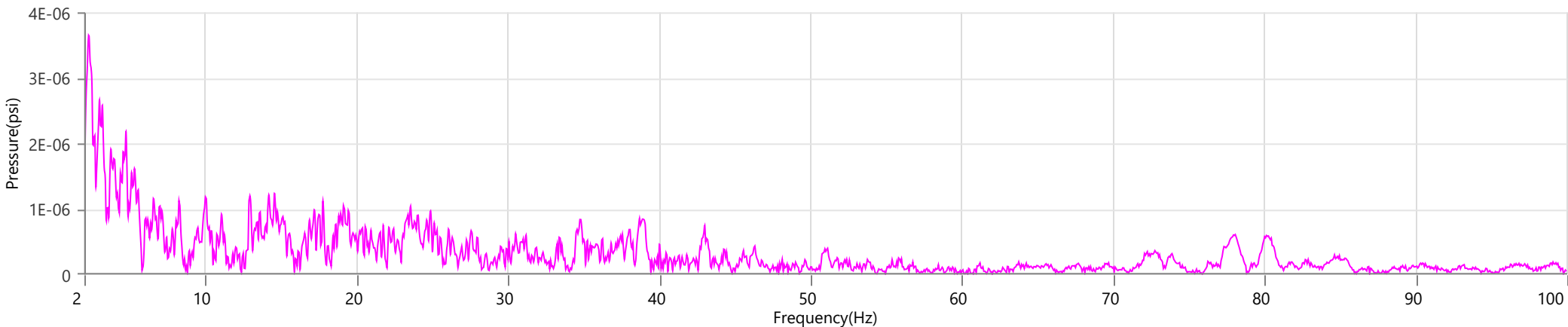
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0025 in/s (Peak Particle Velocity: 0.1443 in/s)



Long - Dominant Frequency 37.8 Hz, Amplitude 0.0030 in/s (Peak Particle Velocity: 0.1719 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00000 psi (Peak Sound Pressure Level: 0.000086 psi)



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

Vert at September 27, 2024 10:49:17
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_20240927104917.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
0.2209 in/s
25.3 Hz
0.248 sec
0.194 g
0.002 in
✓ Passed
7.1 Hz
4.4

Vert
0.1471 in/s
56.9 Hz
0.304 sec
0.217 g
0.000 in
✓ Passed
7.5 Hz
4.2

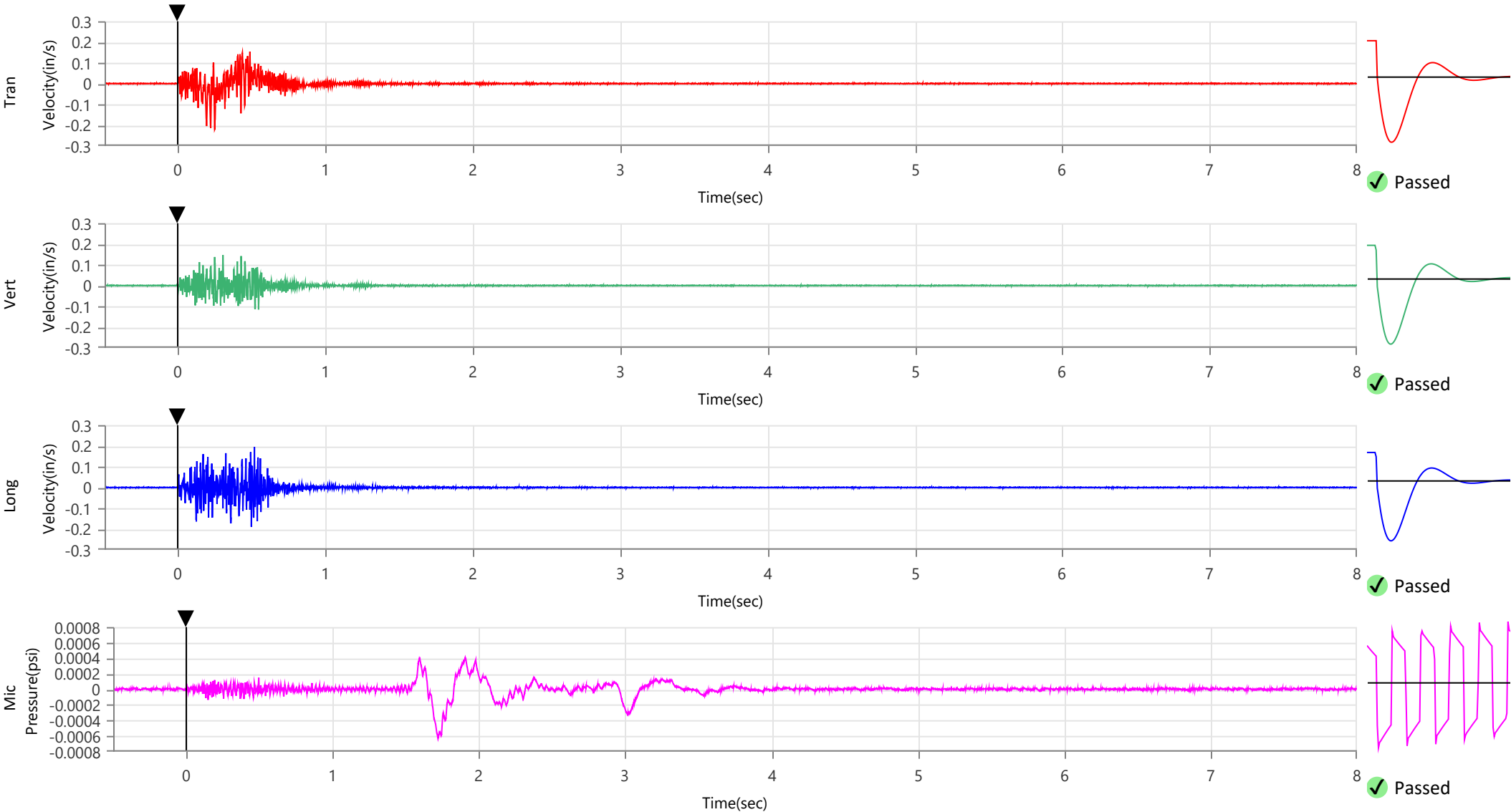
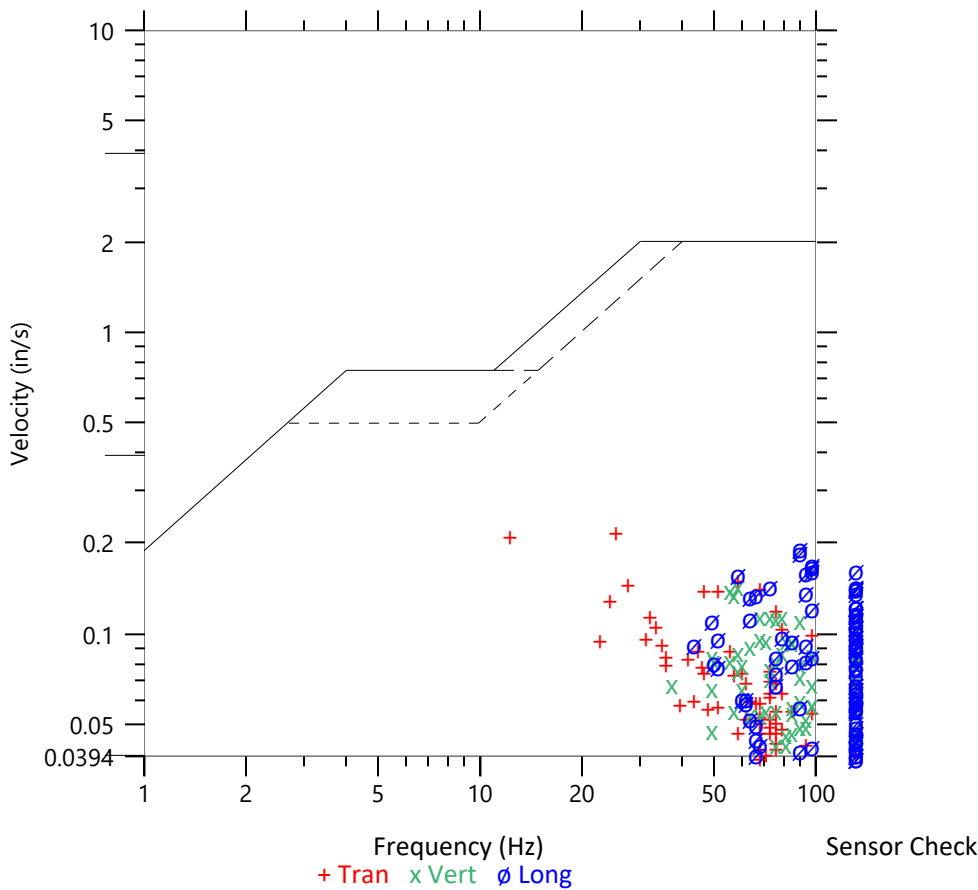
Long
0.1949 in/s
89.0 Hz
0.517 sec
0.296 g
0.000 in
✓ Passed
7.3 Hz
4.6

Peak Vector Sum 0.2599 in/s at 0.248 sec

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

0.000628 psi
106.7 dB(L)
1.719 sec
2.8 Hz
✓ Passed
20.5 Hz
1485 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



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

Vert at September 27, 2024 10:49:17
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

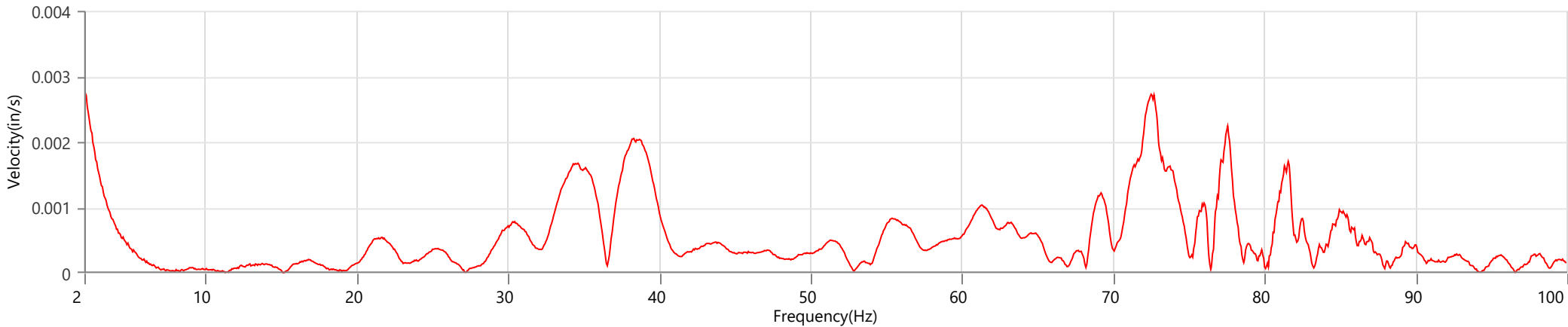
UM19910
Micromate ISEE 11.0AK
3.8 volts
May 22, 2024 by Instantel
UM19910_20240927104917.IDFW
Disabled

Notes
Location
Client
Company
General Notes

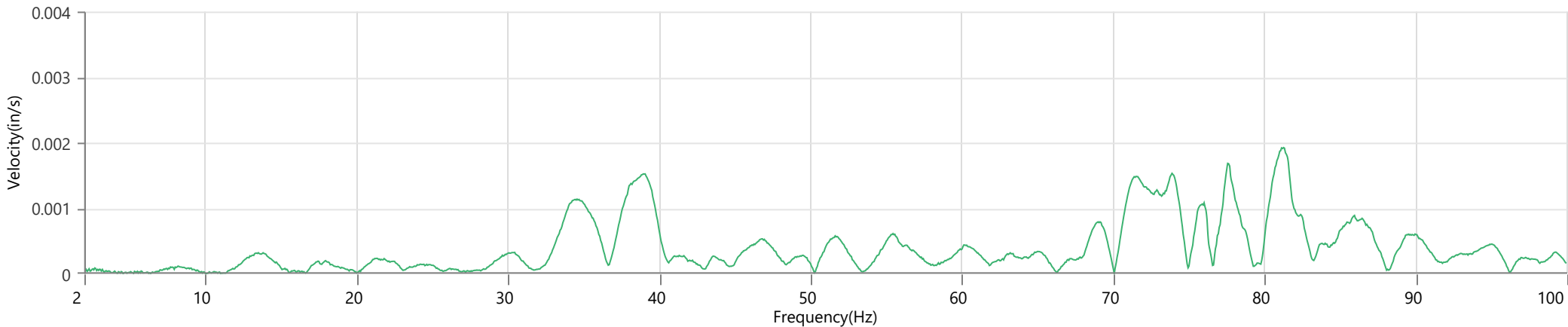
Station 5
Spicewood Crushed Stone
Hwy 71 Quarry
IGS, Inc.

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

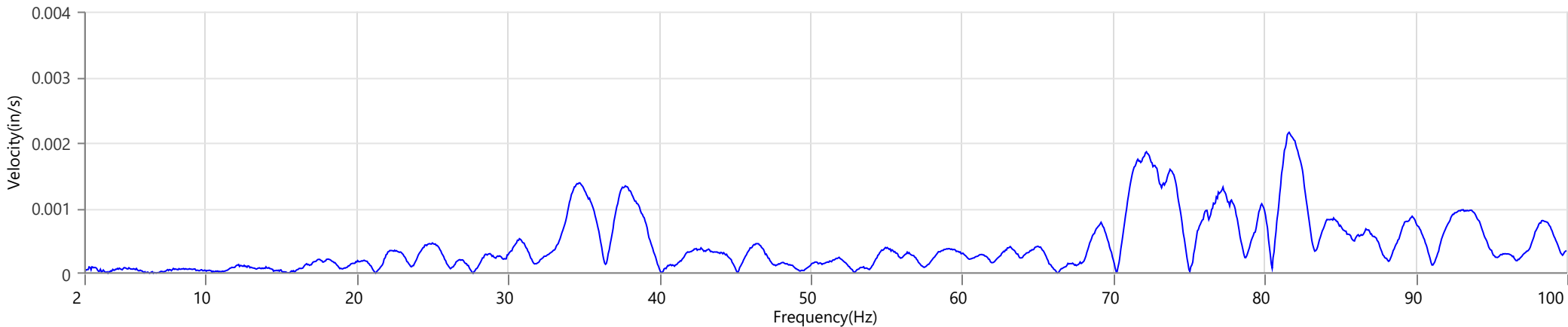
Tran - Dominant Frequency 2.0 Hz, Amplitude 0.0028 in/s (Peak Particle Velocity: 0.2209 in/s)



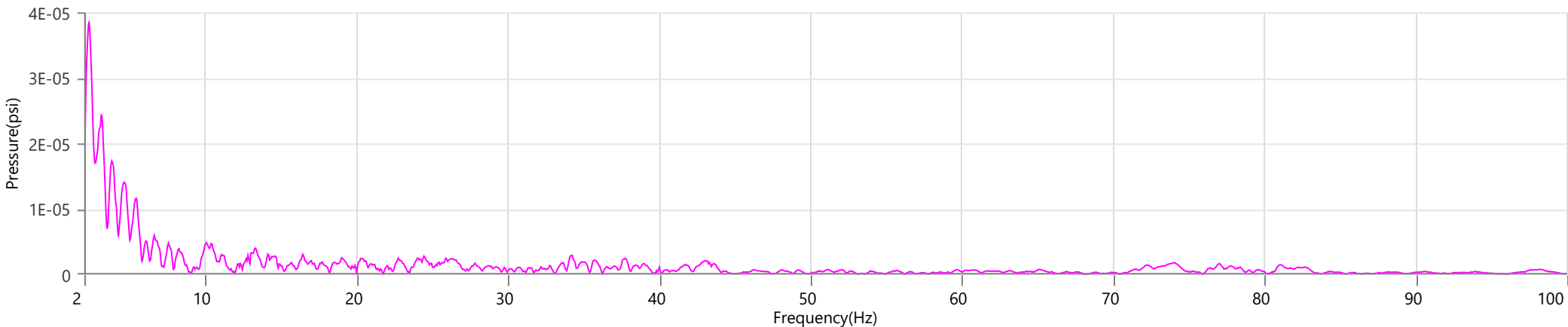
Vert - Dominant Frequency 81.2 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1471 in/s)



Long - Dominant Frequency 81.6 Hz, Amplitude 0.0022 in/s (Peak Particle Velocity: 0.1949 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.000628 psi)



Waveform Trigger Source Long at September 27, 2024 10:49:20
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 UM11400
Model Number Micromate ISEE 11.0AK
Battery Level 3.8 volts
Unit Calibration May 21, 2024 by Instantel
Event File Name UM11400_20240927104920.IDFW
USB Sensor Support Disabled

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

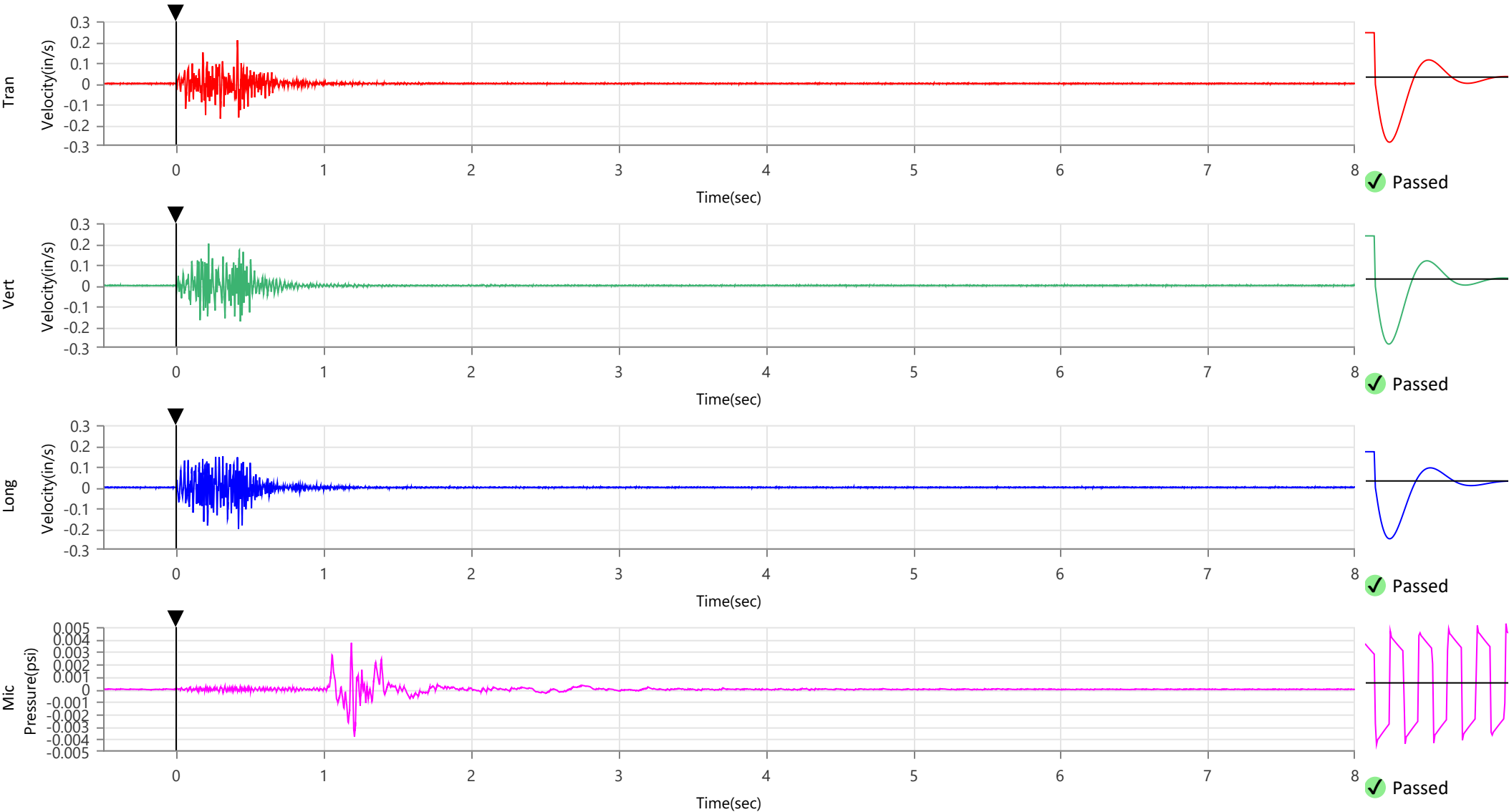
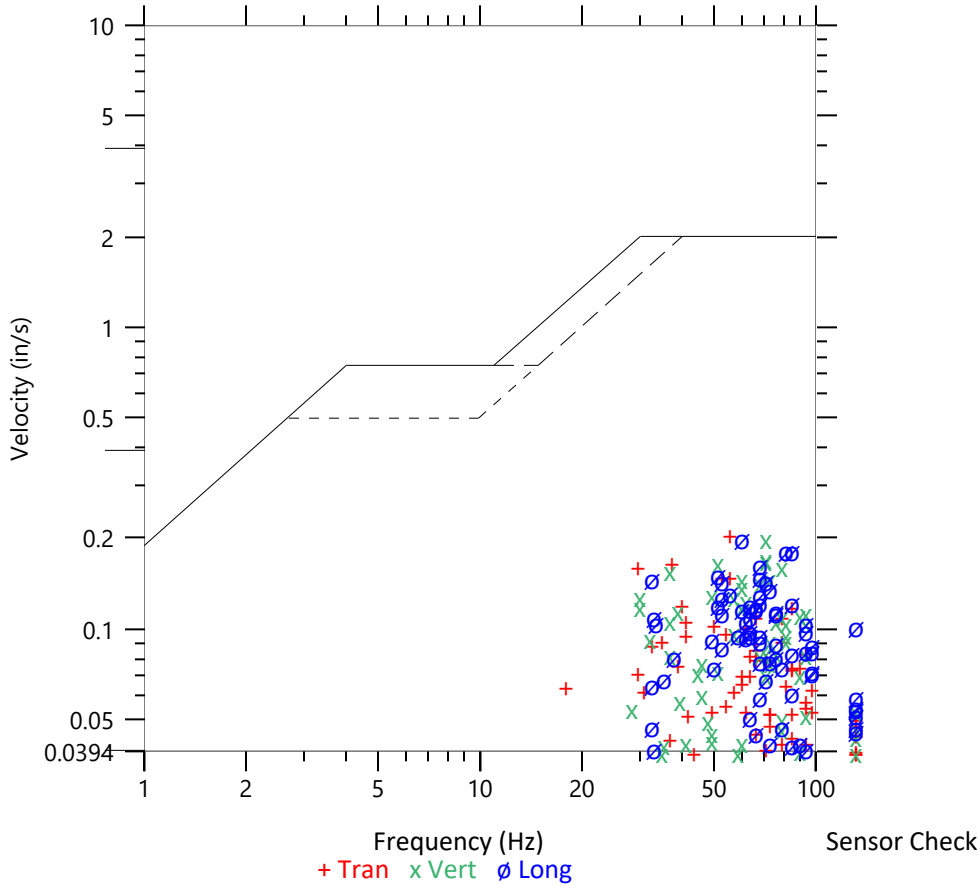
Extended Note N30.495113 W98.206539
Post Event Notes No text to be displayed.

Geophone
Peak Particle Velocity 0.2085 in/s
Zero Crossing Frequency 55.4 Hz
Time (Relative to Trigger) 0.413 sec
Peak Acceleration 0.224 g
Peak Displacement 0.001 in
Sensor Check ✓ Passed
Frequency 7.5 Hz
Overswing Ratio 3.7

Peak Vector Sum 0.2648 in/s at 0.412 sec

ISEE Linear Microphone
Peak Sound Pressure Level 0.003812 psi
Peak Sound Pressure Level 122.4 dB(L)
Time (Relative to Trigger) 1.207 sec
Zero Crossing Frequency 21.3 Hz
Sensor Check ✓ Passed
Frequency 20.5 Hz
Test Amplitude 1429 mv

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)

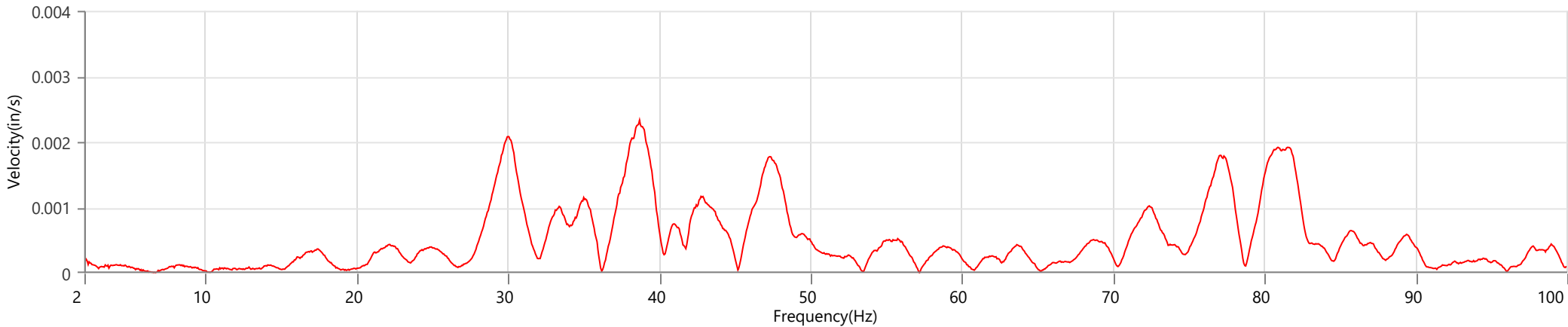


Waveform Trigger Source	Long at September 27, 2024 10:49:20	Serial Number	UM11400
Trigger Level(s)	Geo 0.0200 in/s	Model Number	Micromate ISEE 11.0AK
Trigger Level (Mic)	Mic 0.01029 psi, 131 dB(L)	Battery Level	3.8 volts
Pre-Trigger/Record Time	0.50 sec/8.0 sec (Fixed)	Unit Calibration	May 21, 2024 by Instantel
Sample Rate	4096 sps	Event File Name	UM11400_20240927104920.IDFW
Setup File Name	Spicewood Hwy 71 - Station 6.mmb	USB Sensor Support	Disabled
Operator	Operator		

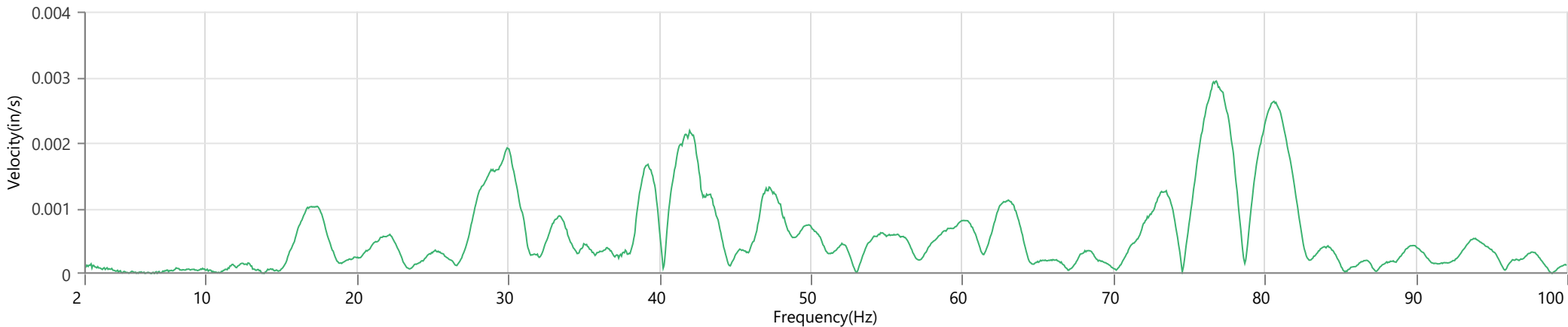
Notes	
Location	Station 6
Client	Spicewood Crushed Stone
Company	Hwy 71 Quarry
General Notes	IGS, Inc.

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

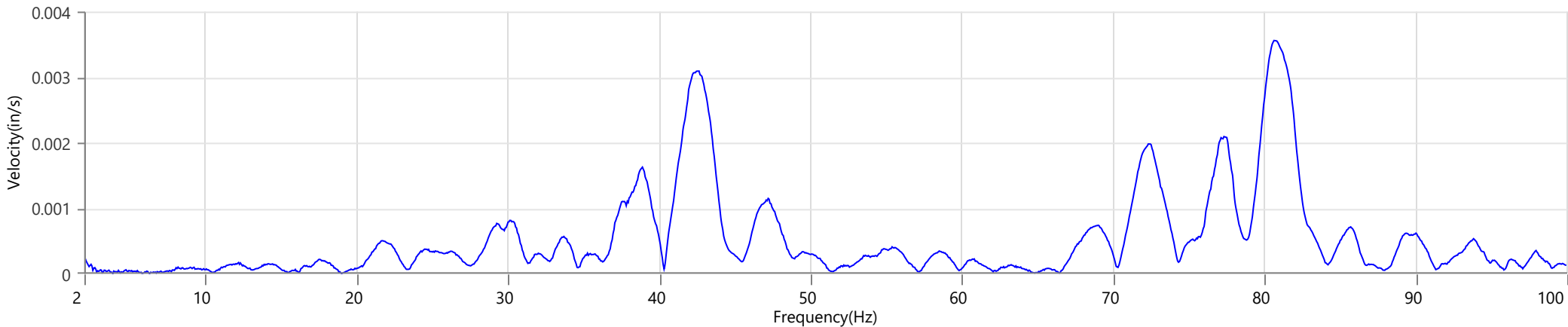
Tran - Dominant Frequency 38.7 Hz, Amplitude 0.0023 in/s (Peak Particle Velocity: 0.2085 in/s)



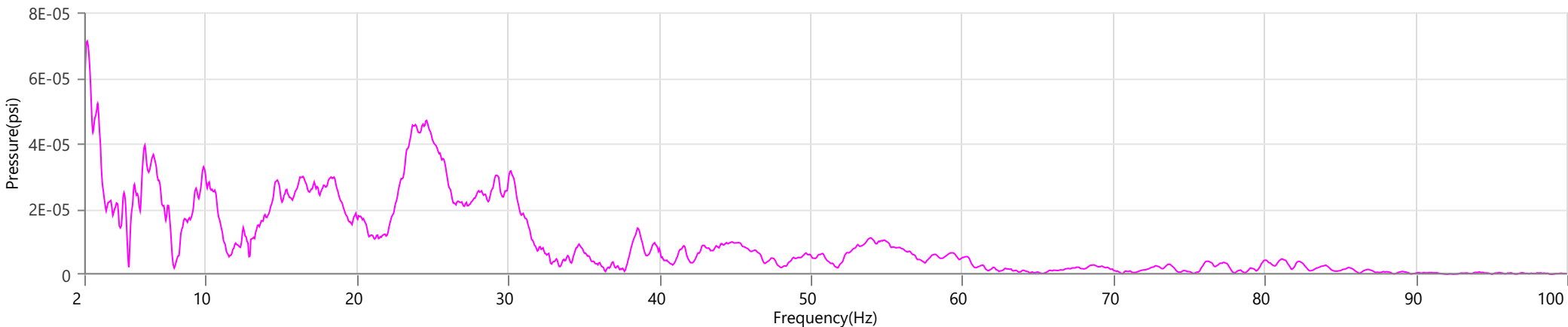
Vert - Dominant Frequency 76.8 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.2017 in/s)



Long - Dominant Frequency 80.6 Hz, Amplitude 0.0036 in/s (Peak Particle Velocity: 0.2011 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00007 psi (Peak Sound Pressure Level: 0.003812 psi)



Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 27, 2024 00:00:05

September 27, 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_20240927000005.IDFH

Disabled

Notes

Location

Client

Company

General Notes

Noise 2

Spicewood Crushed Stone

Hwy 71 Quarry

IGS, Inc.

Extended Note Station 5N30.49911 W98.21538

Post Event Notes No text to be displayed.

Sound Level Microphone

LMax

Date

Time

Sound(dB(A))

Sensor Check

Test Amplitude

A-Weight Slow

93.5 dB(A)

Sep 27, 2024

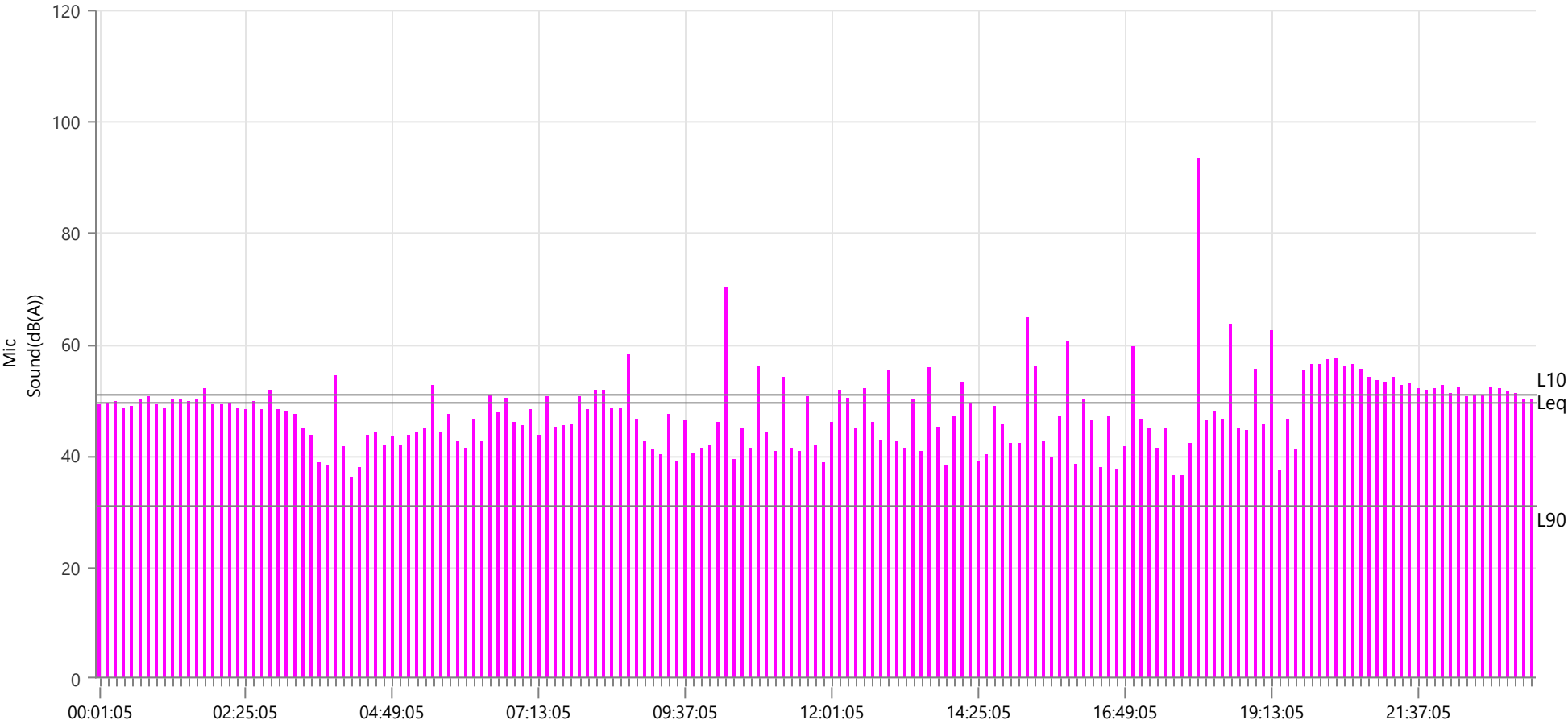
18:04:05

LMin L10 L90 Leq

30.4 51 31 49.4

✓ Passed

1056 mv



✓ Passed

Start

Finish

Number of Intervals/Interval

Sample Rate

Setup File Name

Operator

September 27, 2024 00:00:05

September 27, 2024 23:29:59

1409.91/60 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_20240927000005.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

89.6 dB(A)

Sep 27, 2024

18:04:05

LMin

L10

L90

Leq

30.4

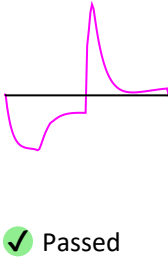
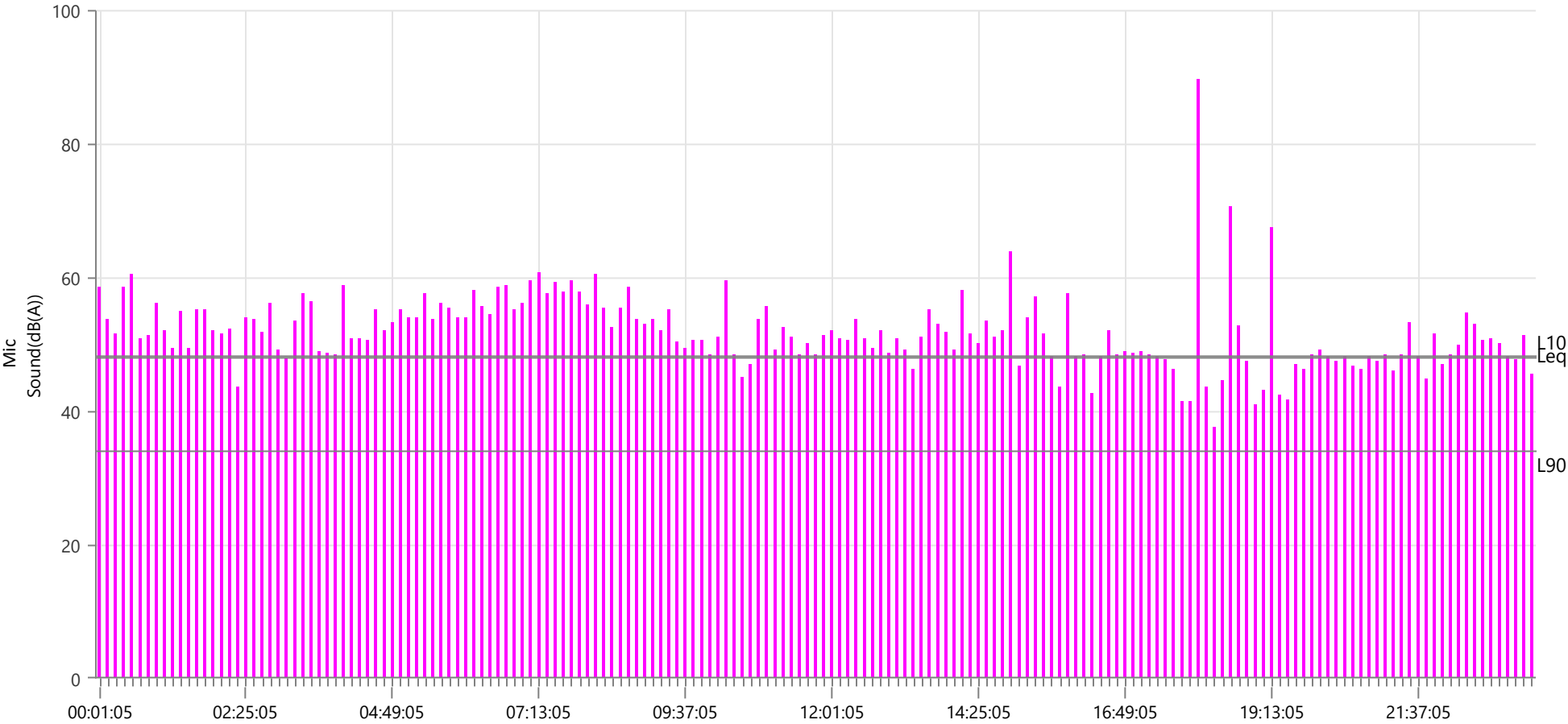
48

34

48.1

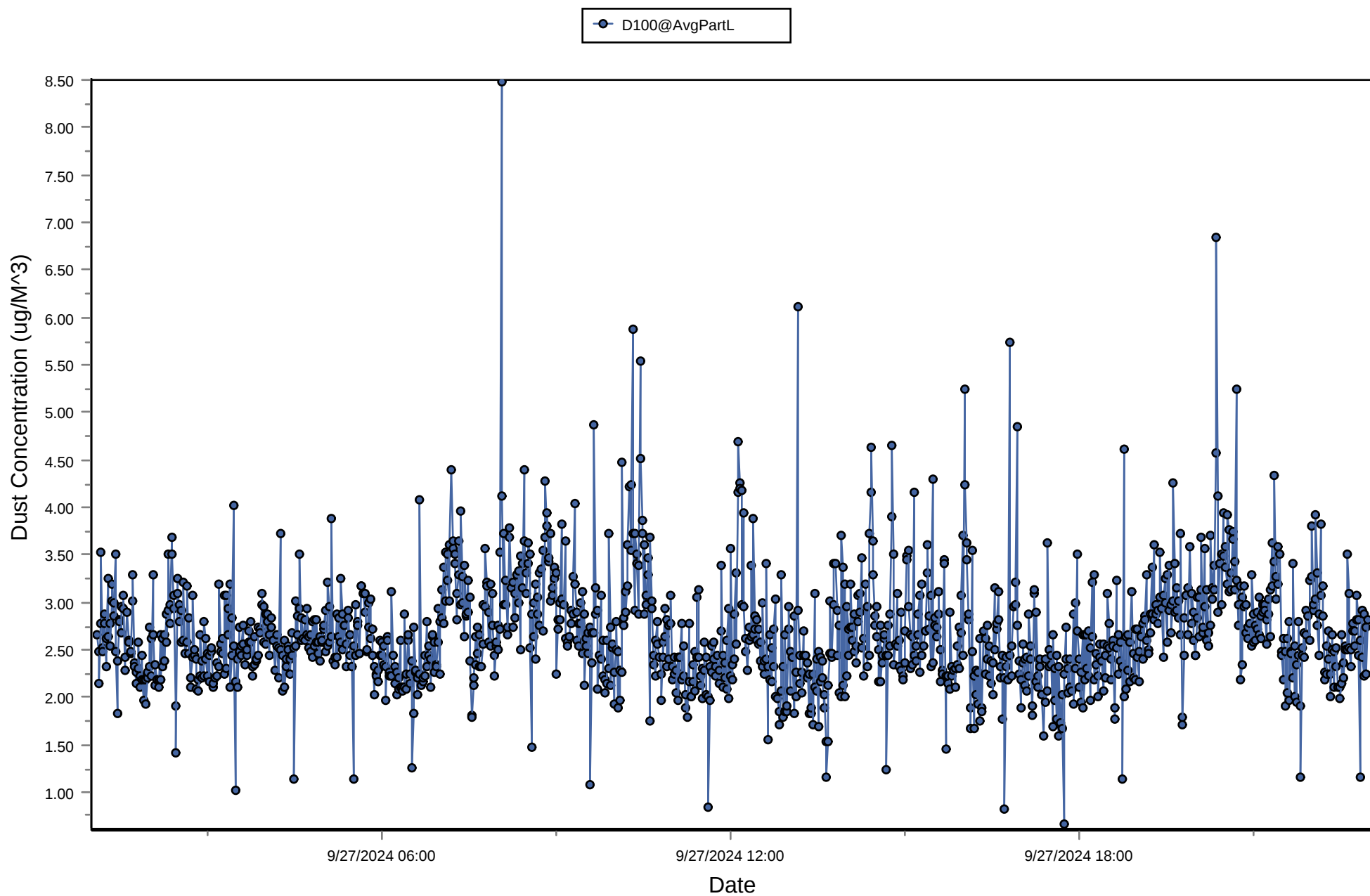
✓ Passed

1101 mv



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

