

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

Vert at April 26, 2024 10:36:56
 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 1.mmb
 Operator

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

UM21524
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM21524_20240426103656.IDFW
 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

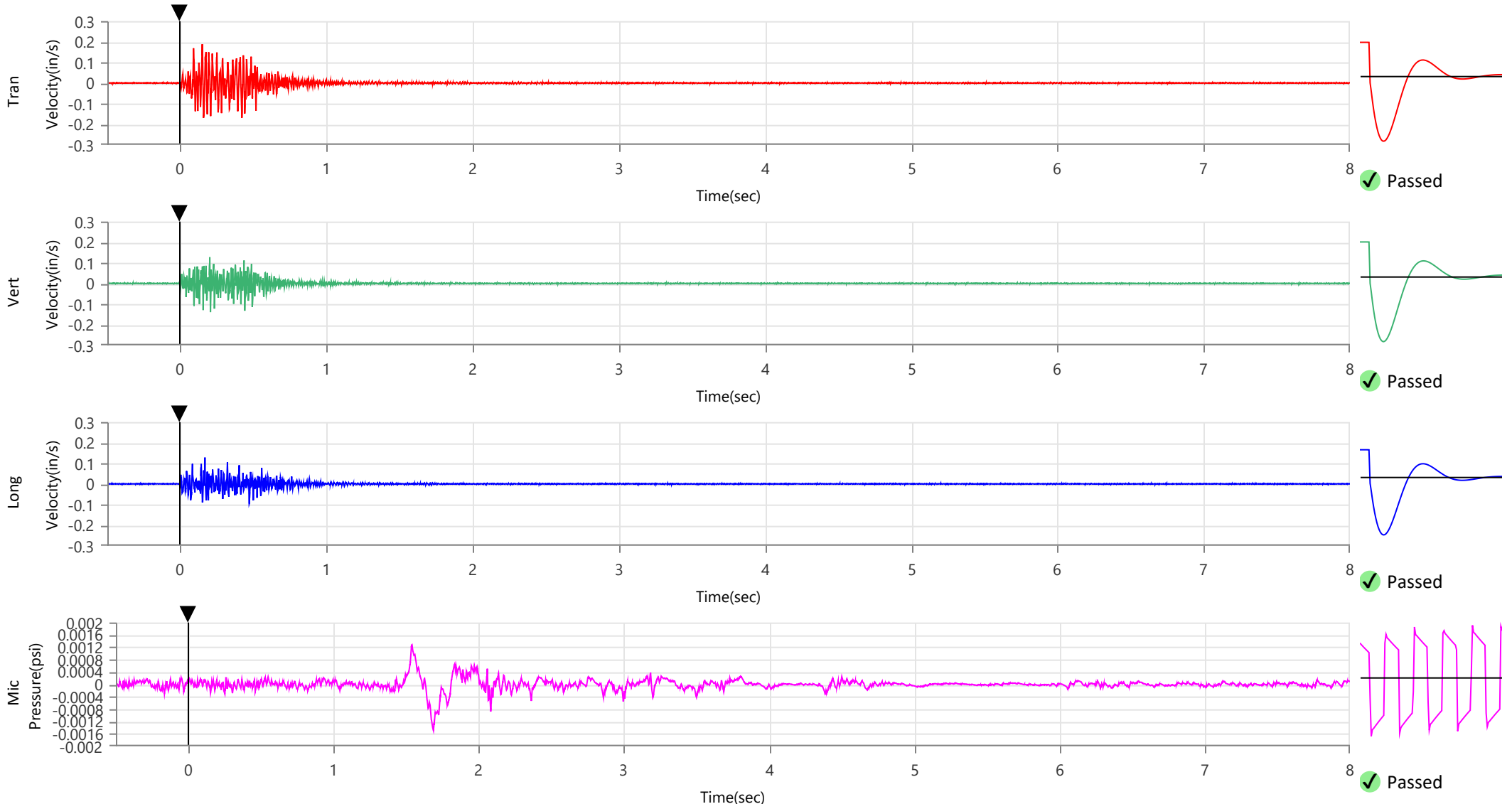
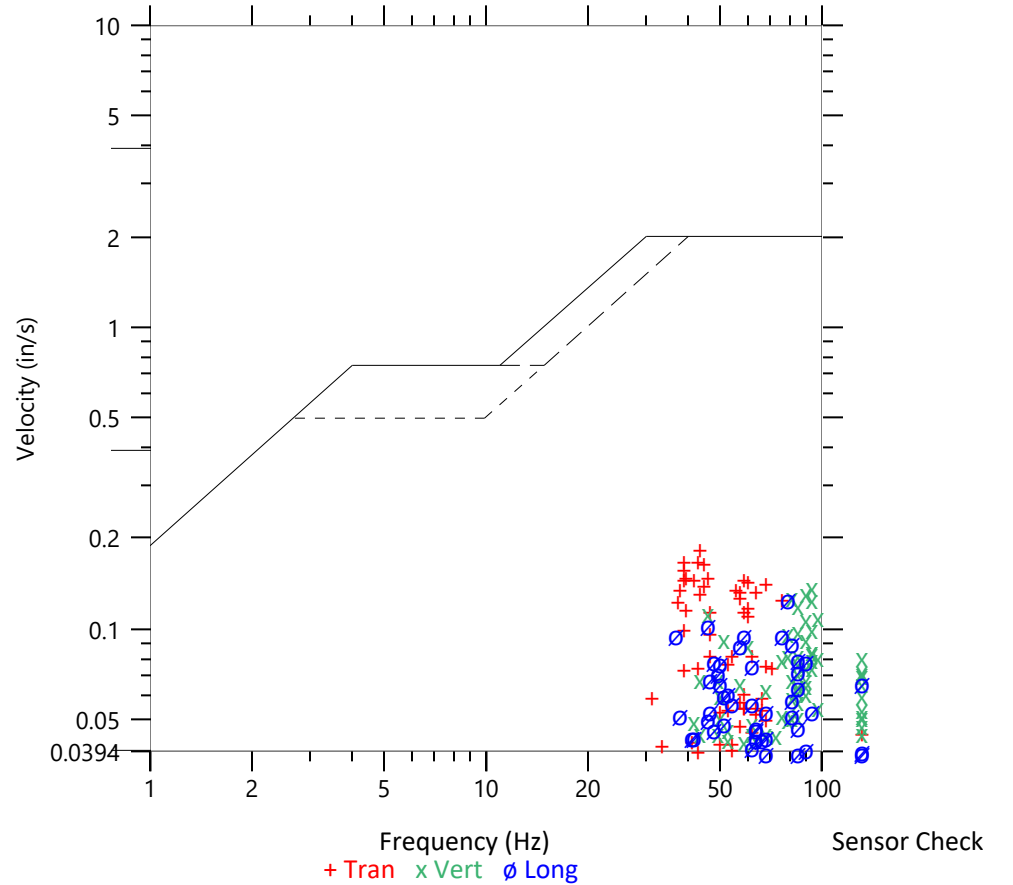
	Tran	Vert	Long
Peak Particle Velocity	0.1880 in/s	0.1393 in/s	0.1278 in/s
Zero Crossing Frequency	43.6 Hz	93.1 Hz	78.8 Hz
Time (Relative to Trigger)	0.150 sec	0.207 sec	0.168 sec
Peak Acceleration	0.197 g	0.227 g	0.161 g
Peak Displacement	0.001 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.9	4.0	4.1

Peak Vector Sum 0.2159 in/s at 0.150 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001492 psi
 Peak Sound Pressure Level 114.2 dB(L)
 Time (Relative to Trigger) 1.688 sec
 Zero Crossing Frequency 2.9 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1312 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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USB Sensor Support

UM21524
 Micromate ISEE 11.0AK
 3.8 volts
 March 25, 2024 by Instantel
 UM21524_20240426103656.IDFW
 Disabled

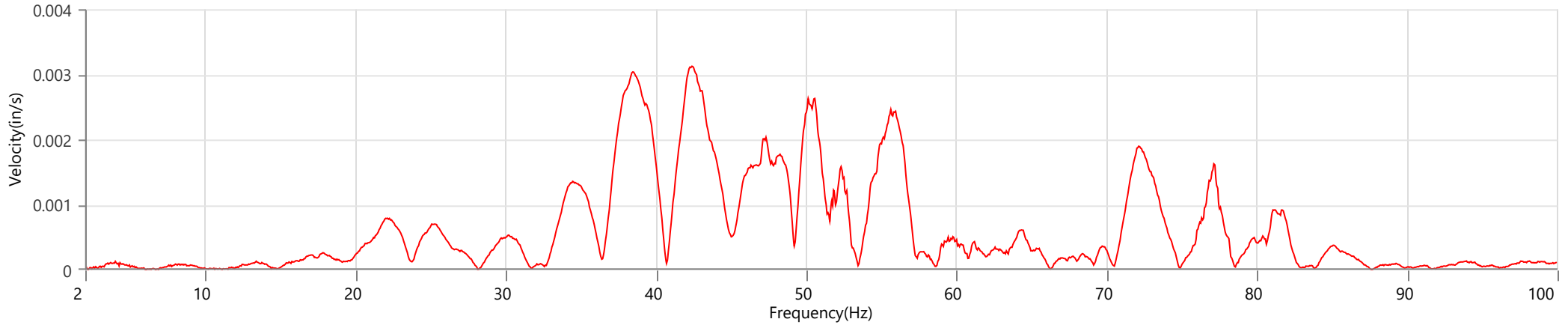
Notes

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

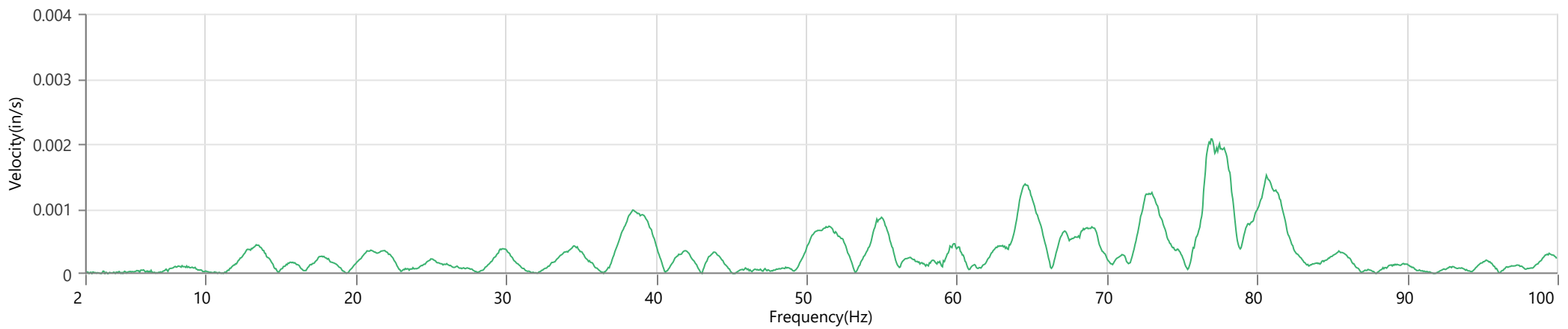
Extended Note N30.49572 W98.21577

Post Event Notes No text to be displayed.

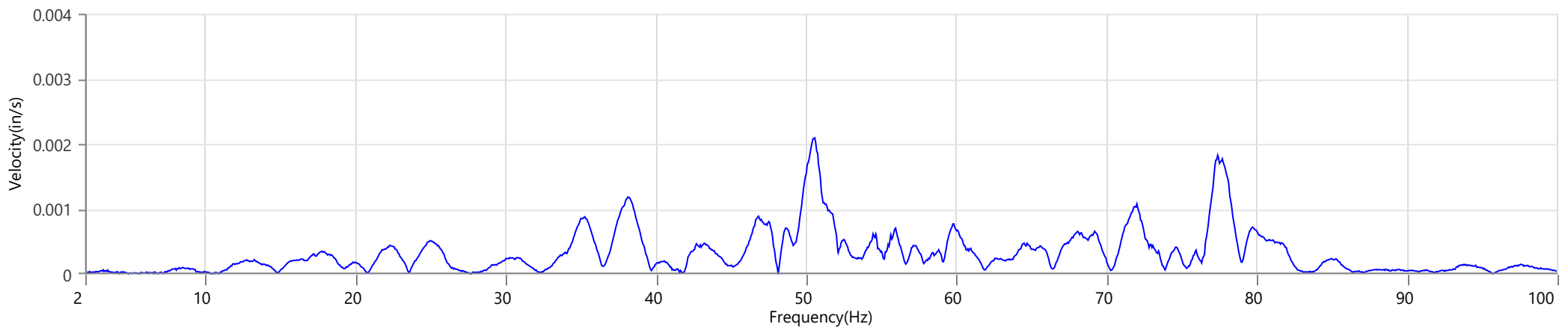
Tran - Dominant Frequency 42.4 Hz, Amplitude 0.0031 in/s (Peak Particle Velocity: 0.1880 in/s)



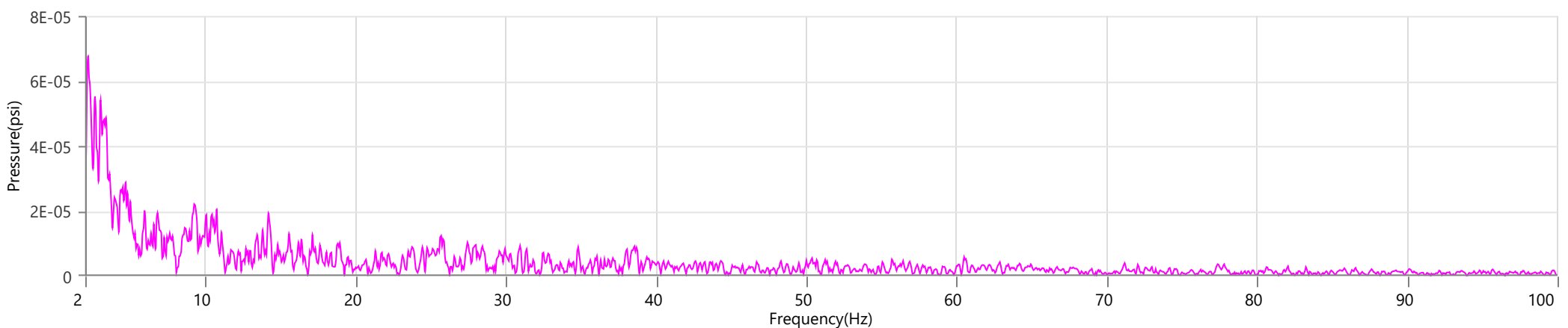
Vert - Dominant Frequency 76.9 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1393 in/s)



Long - Dominant Frequency 50.6 Hz, Amplitude 0.0021 in/s (Peak Particle Velocity: 0.1278 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00007 psi (Peak Sound Pressure Level: 0.001492 psi)



Waveform Trigger Source
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Long at April 26, 2024 10:36:57
 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

UM7306
 Micromate ISEE 10.90GC
 3.8 volts
 August 18, 2023 by Instantel
 UM7306_20240426103657.IDFW
 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

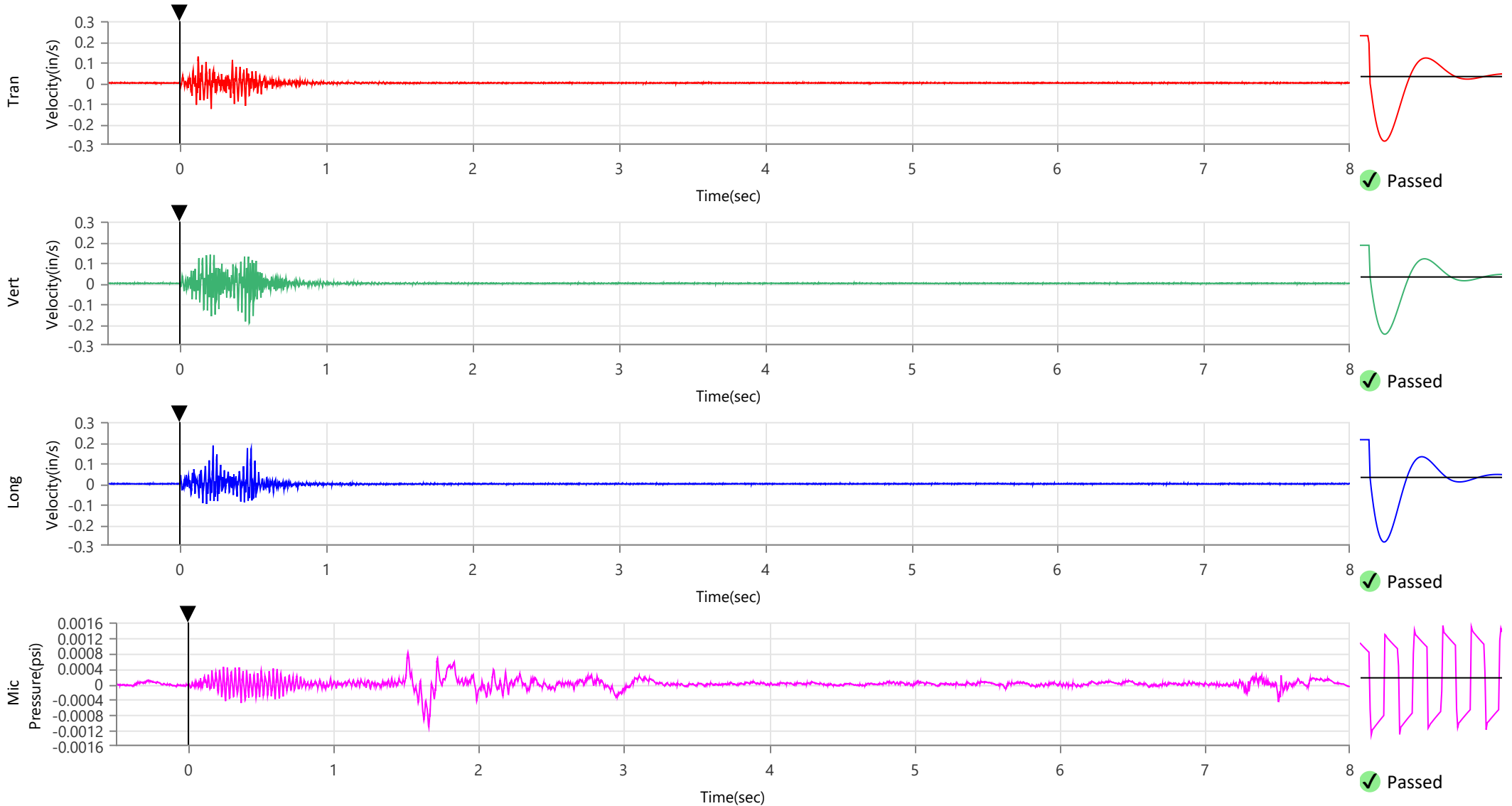
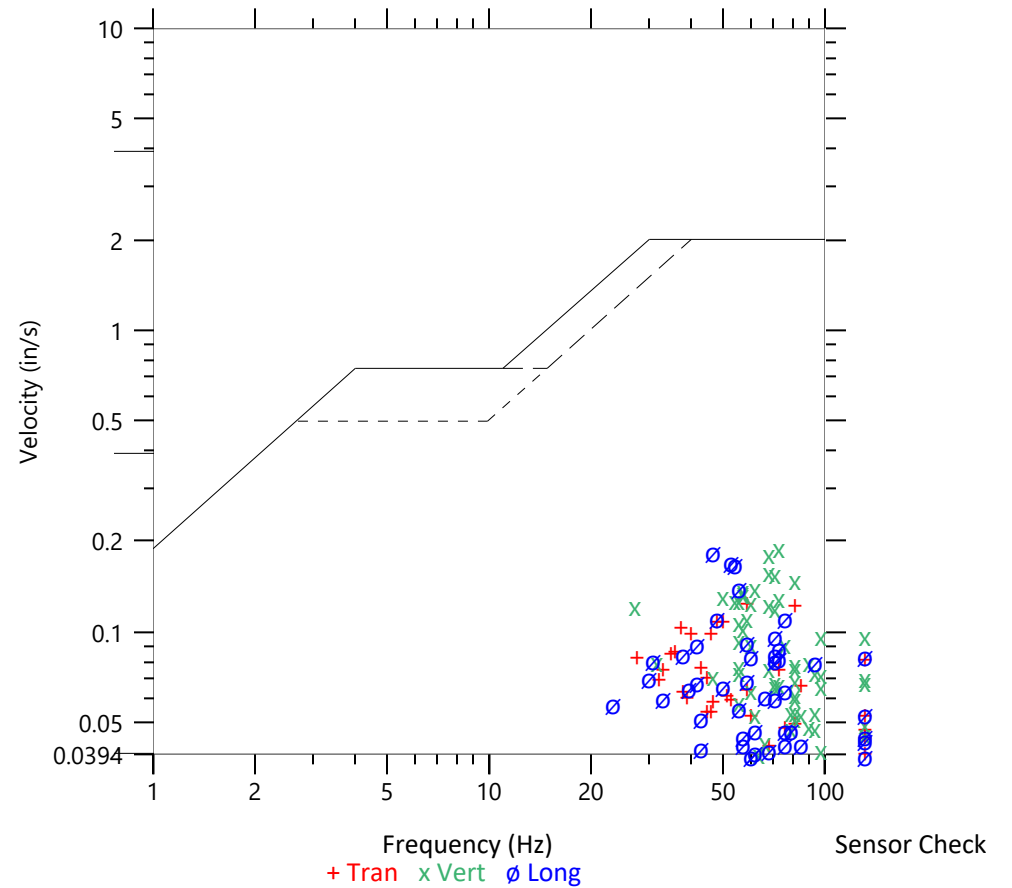
	Tran	Vert	Long
Peak Particle Velocity	0.1278 in/s	0.1930 in/s	0.1859 in/s
Zero Crossing Frequency	58.5 Hz	73.1 Hz	46.5 Hz
Time (Relative to Trigger)	0.122 sec	0.471 sec	0.224 sec
Peak Acceleration	0.168 g	0.237 g	0.220 g
Peak Displacement	0.000 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.3 Hz	7.7 Hz
Overswing Ratio	3.4	3.1	3.1

Peak Vector Sum 0.2123 in/s at 0.446 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001112 psi
 Peak Sound Pressure Level 111.7 dB(L)
 Time (Relative to Trigger) 1.656 sec
 Zero Crossing Frequency 7.0 Hz
 Sensor Check ✓ Passed
 Frequency 19.7 Hz
 Test Amplitude 1295 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



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Operator

Long at April 26, 2024 10:36:57
 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

UM7306
 Micromate ISEE 10.90GC
 3.8 volts
 August 18, 2023 by Instantel
 UM7306_20240426103657.IDFW
 Disabled

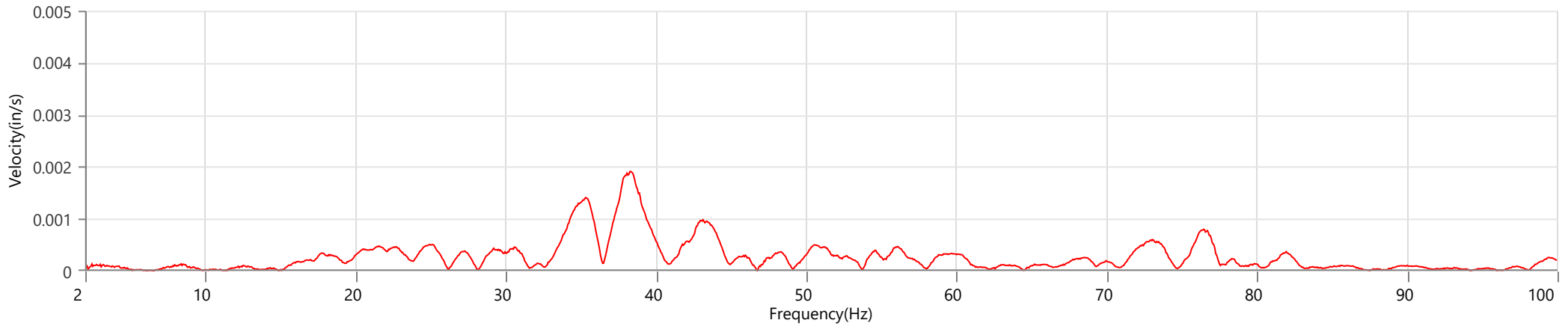
Notes

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

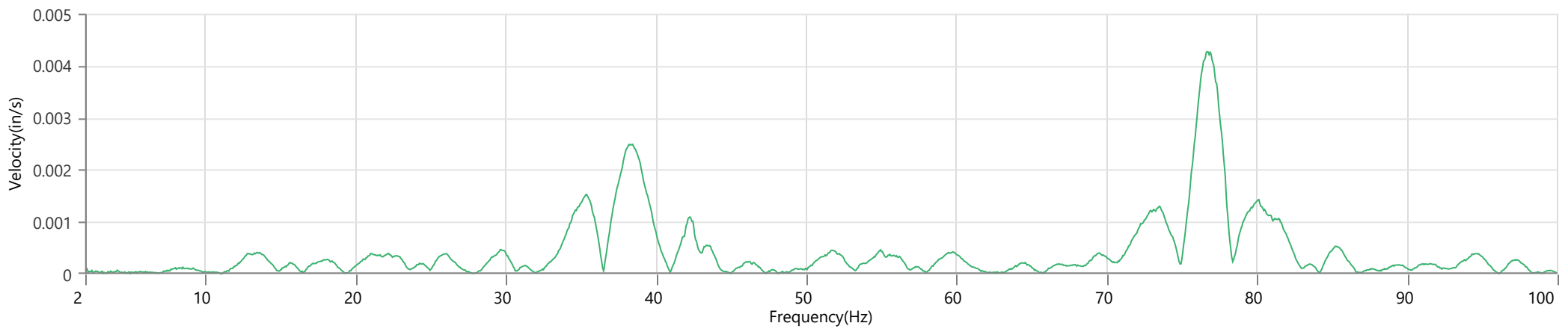
Extended Note N30.49650 W21572

Post Event Notes No text to be displayed.

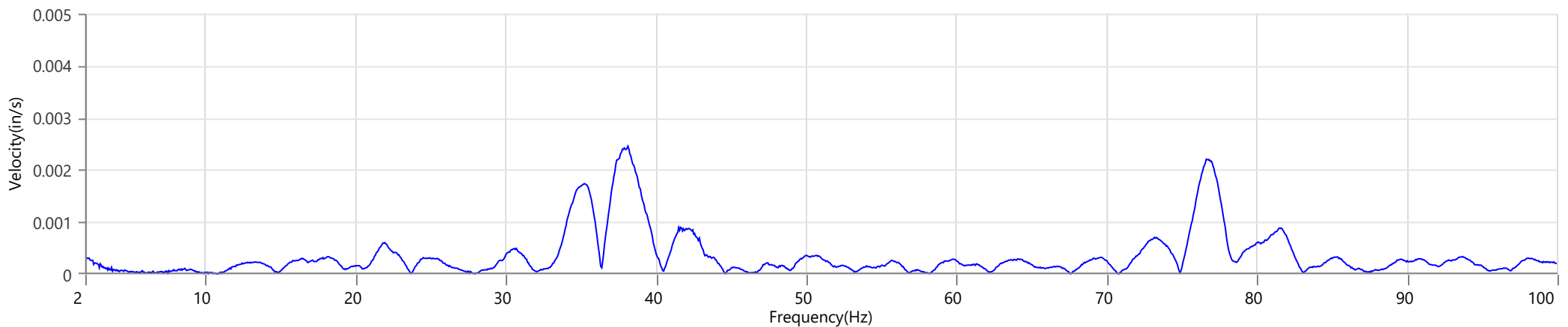
Tran - Dominant Frequency 38.3 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1278 in/s)



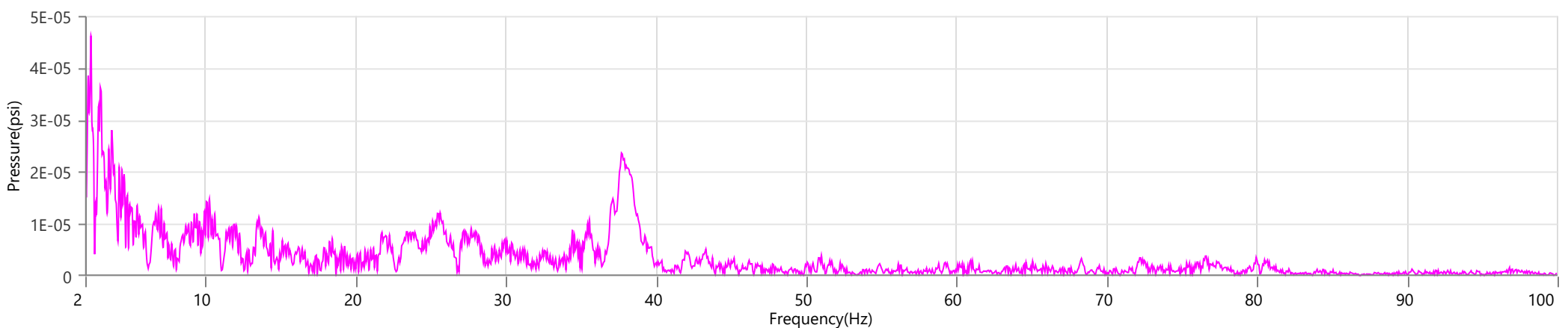
Vert - Dominant Frequency 76.7 Hz, Amplitude 0.0043 in/s (Peak Particle Velocity: 0.1930 in/s)



Long - Dominant Frequency 38.1 Hz, Amplitude 0.0025 in/s (Peak Particle Velocity: 0.1859 in/s)



Mic - Dominant Frequency 2.4 Hz, Amplitude 0.00005 psi (Peak Sound Pressure Level: 0.001112 psi)



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Vert at April 26, 2024 10:36:56
 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_20240426103656.IDFW
 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

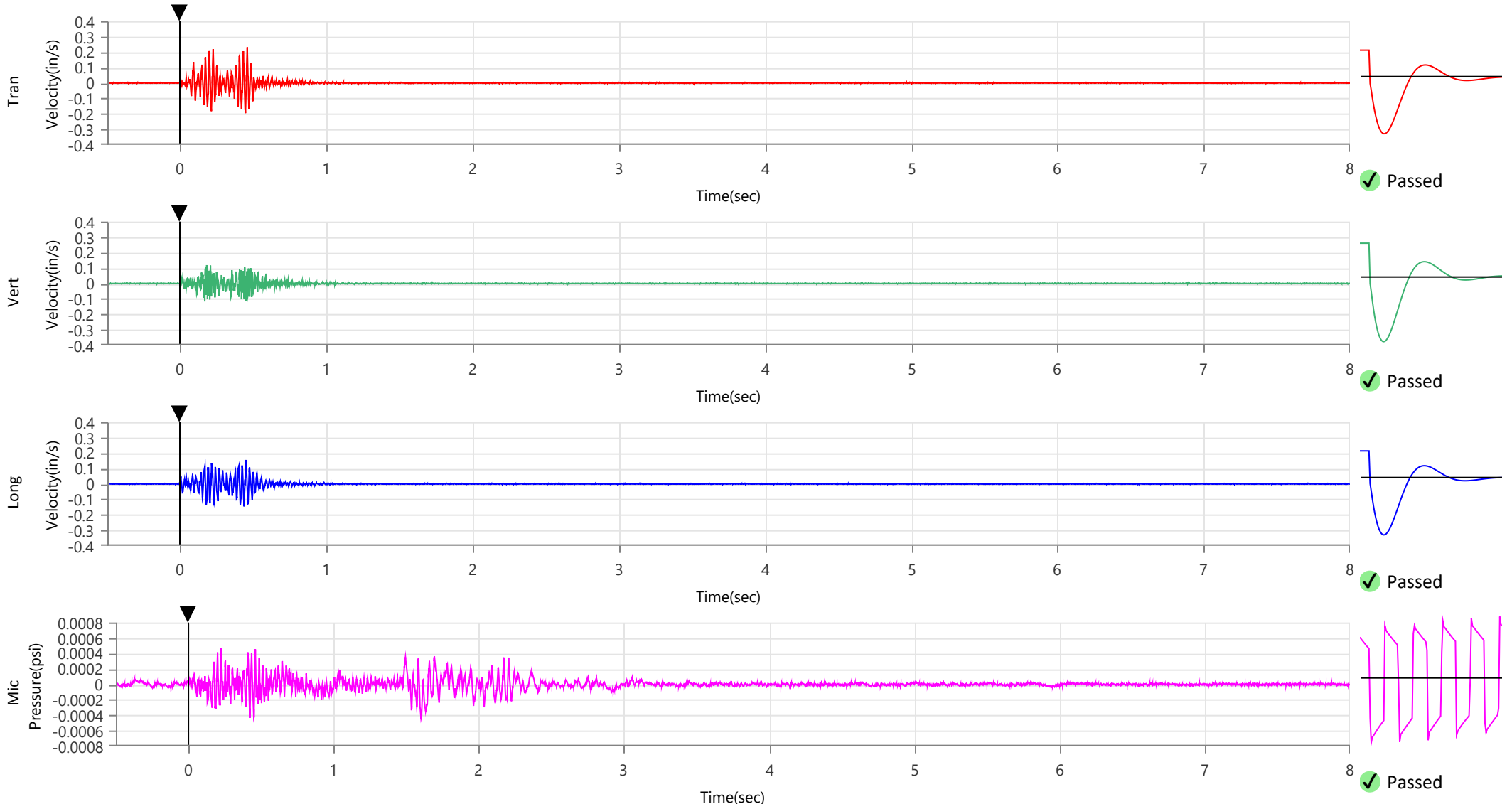
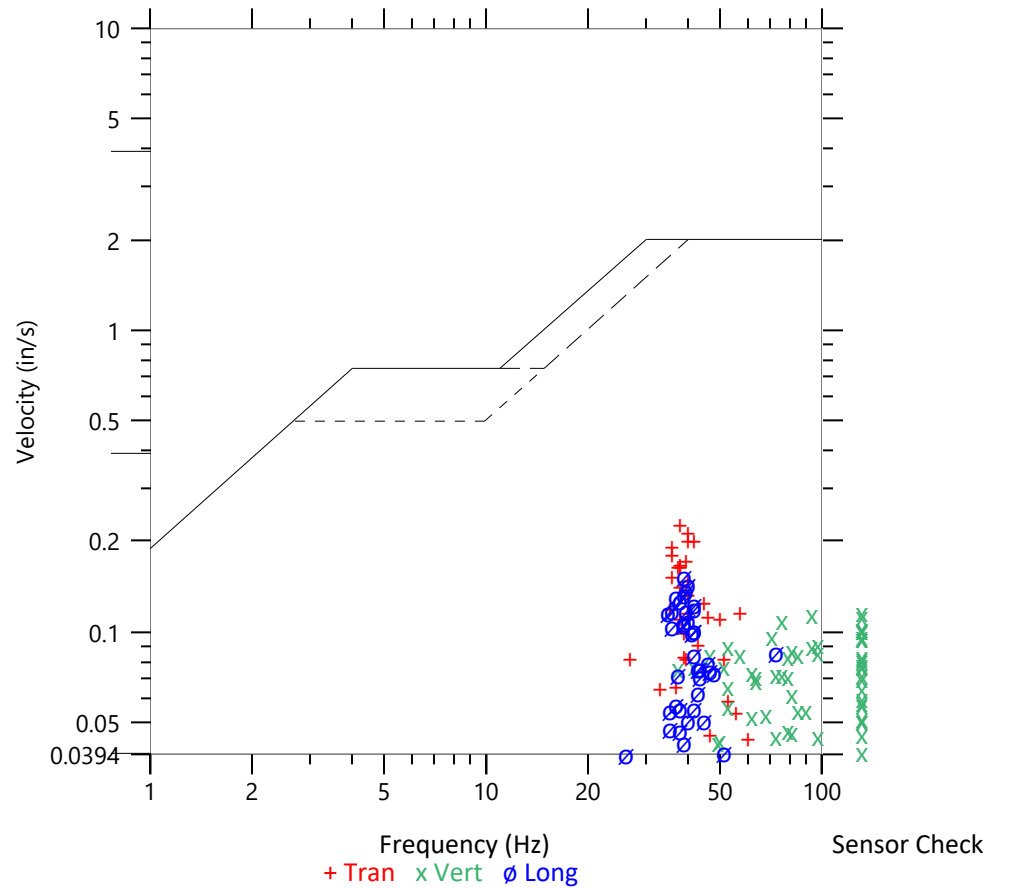
	Tran	Vert	Long
Peak Particle Velocity	0.2309 in/s	0.1182 in/s	0.1552 in/s
Zero Crossing Frequency	37.9 Hz	>100 Hz	38.6 Hz
Time (Relative to Trigger)	0.457 sec	0.180 sec	0.447 sec
Peak Acceleration	0.188 g	0.201 g	0.142 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	6.9 Hz	7.3 Hz	7.1 Hz
Overswing Ratio	4.9	4.2	4.8

Peak Vector Sum 0.2568 in/s at 0.446 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.000475 psi
 Peak Sound Pressure Level 104.3 dB(L)
 Time (Relative to Trigger) 0.227 sec
 Zero Crossing Frequency 60.2 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1295 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
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Sample Rate
Setup File Name
Operator

Vert at April 26, 2024 10:36:56
 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_20240426103656.IDFW
 Disabled

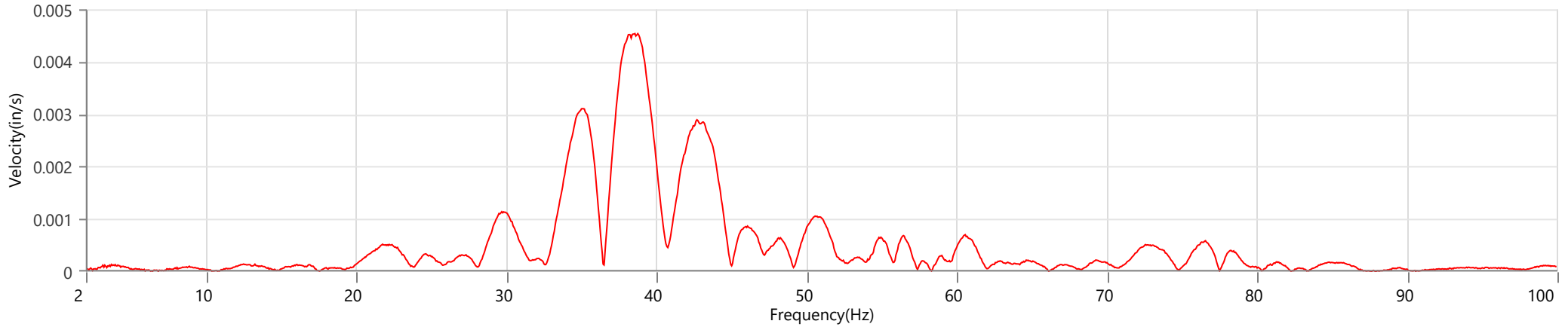
Notes

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

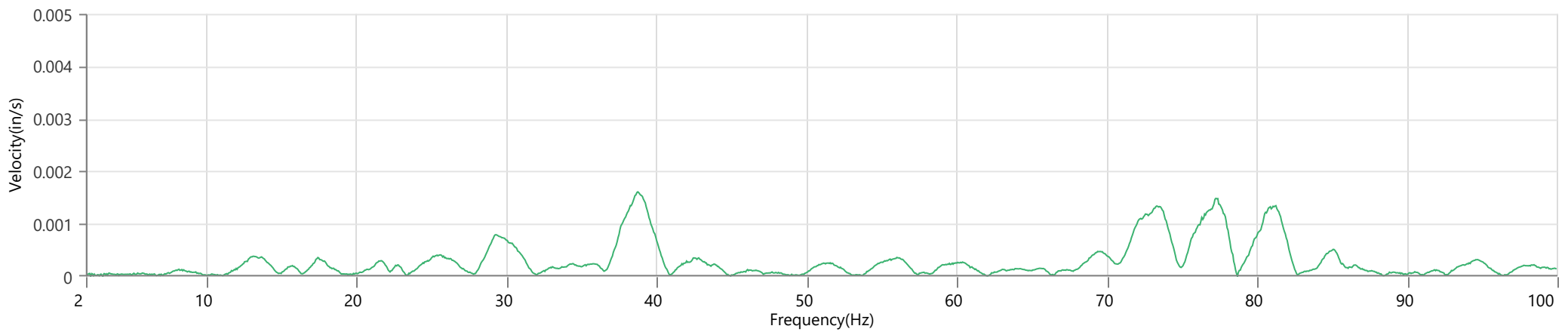
Extended Note N30.49742 W98.21566

Post Event Notes No text to be displayed.

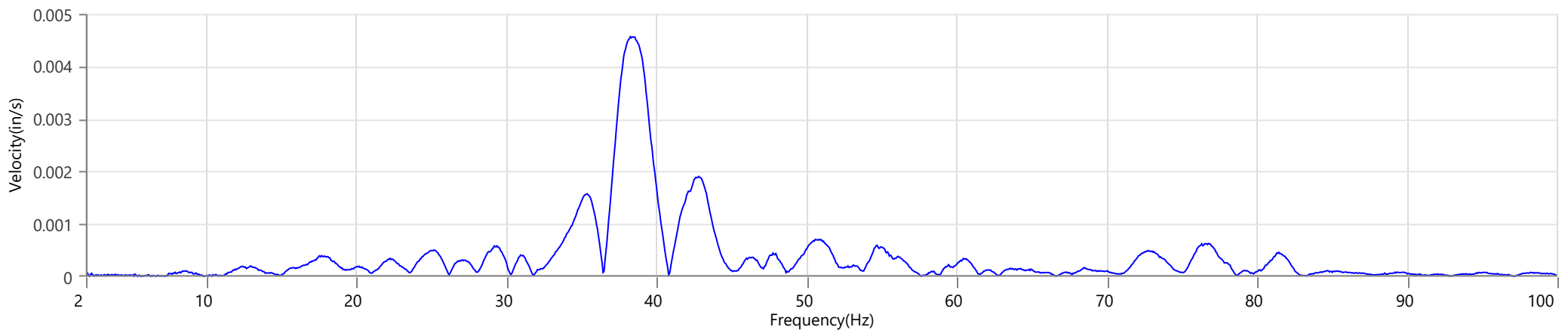
Tran - Dominant Frequency 38.6 Hz, Amplitude 0.0045 in/s (Peak Particle Velocity: 0.2309 in/s)



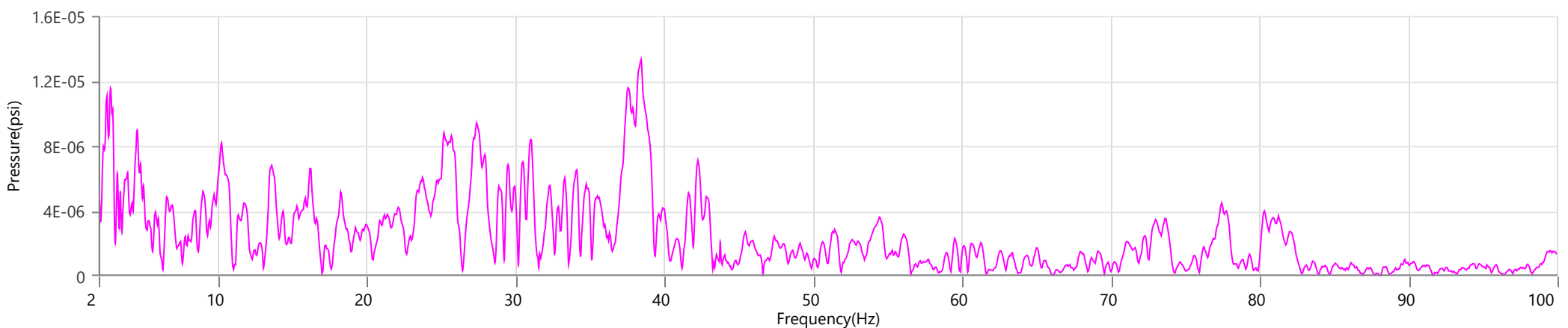
Vert - Dominant Frequency 38.8 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.1182 in/s)



Long - Dominant Frequency 38.2 Hz, Amplitude 0.0046 in/s (Peak Particle Velocity: 0.1552 in/s)



Mic - Dominant Frequency 38.4 Hz, Amplitude 0.00001 psi (Peak Sound Pressure Level: 0.000475 psi)



Waveform Trigger Source
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Sample Rate
Setup File Name
Operator

Vert at April 26, 2024 10:36:56
 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_20240426103656.IDFW
 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

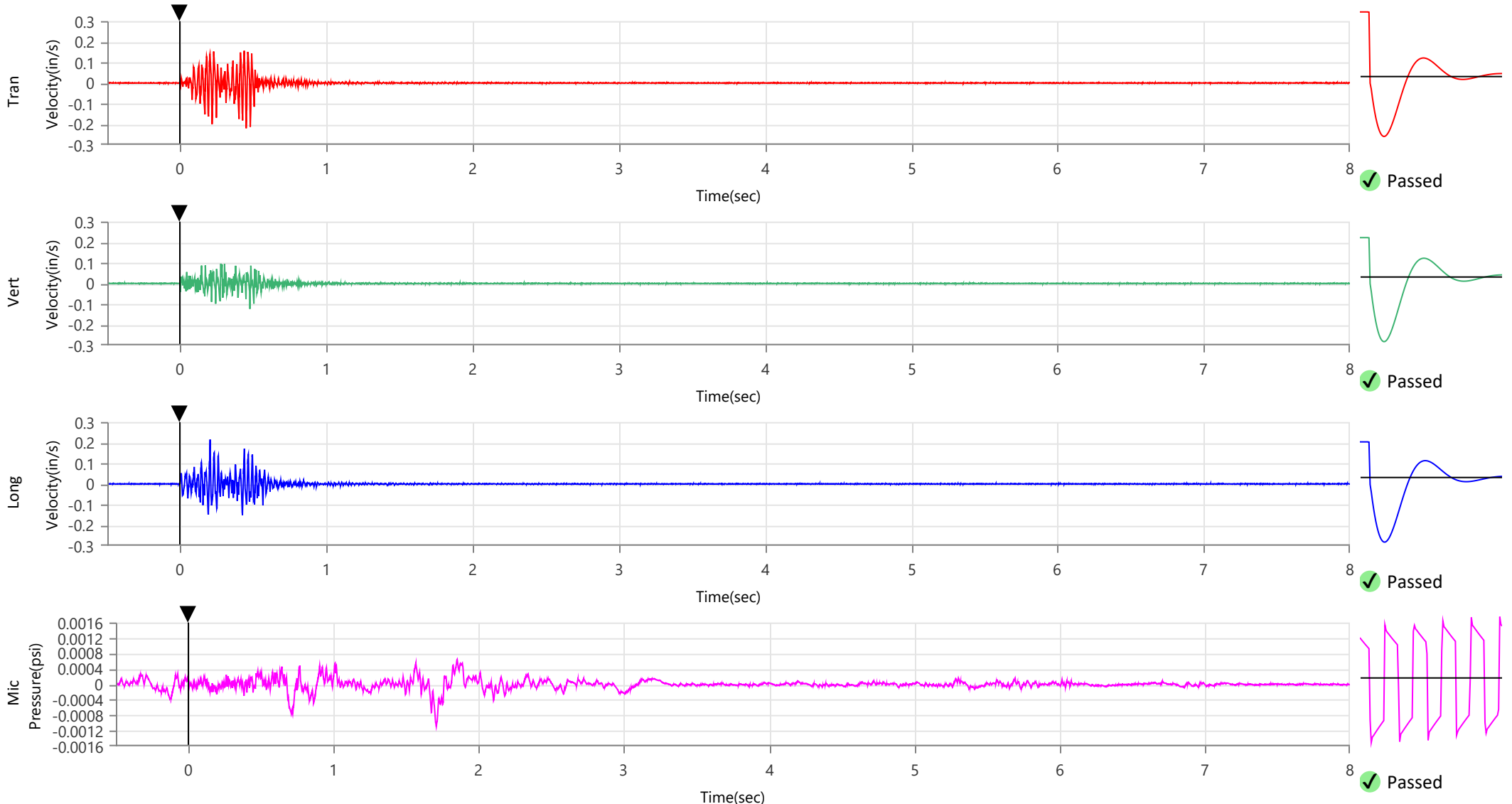
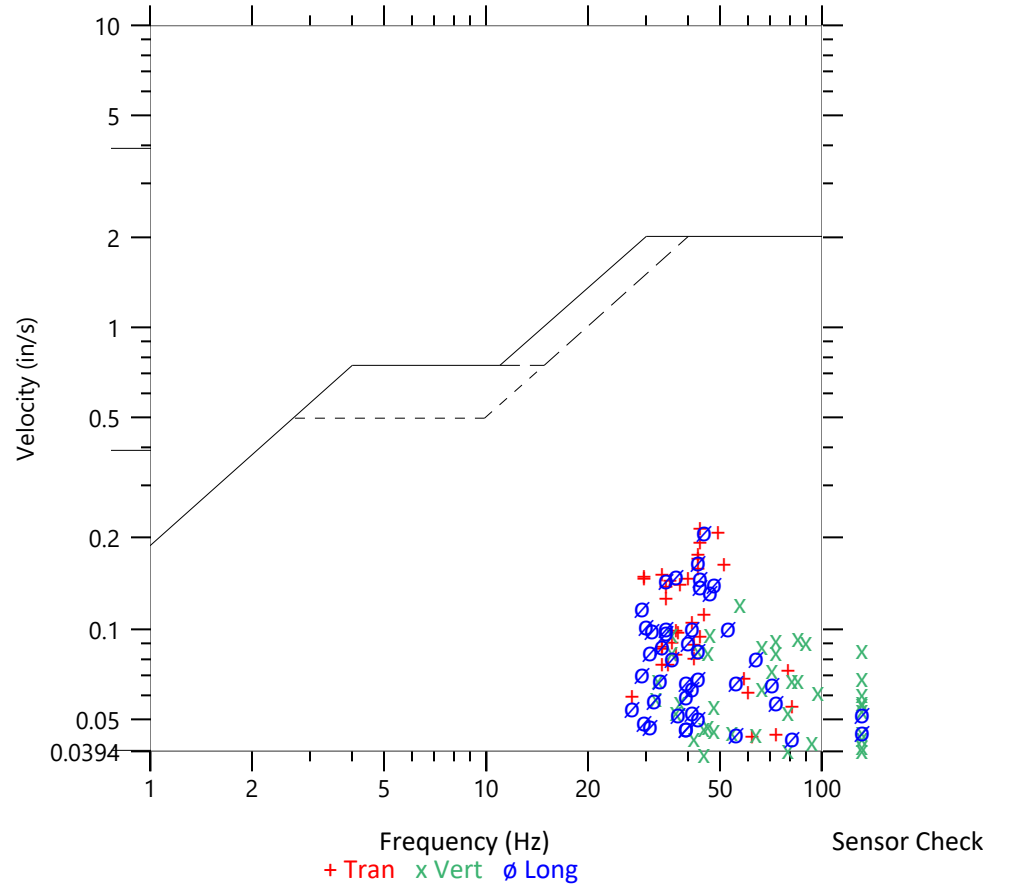
	Tran	Vert	Long
Peak Particle Velocity	0.2197 in/s	0.1235 in/s	0.2150 in/s
Zero Crossing Frequency	43.6 Hz	56.9 Hz	44.5 Hz
Time (Relative to Trigger)	0.451 sec	0.476 sec	0.204 sec
Peak Acceleration	0.201 g	0.174 g	0.158 g
Peak Displacement	0.001 in	0.000 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.2	3.4	3.8

Peak Vector Sum 0.2512 in/s at 0.204 sec

ISEE Linear Microphone

Peak Sound Pressure Level 0.001091 psi
 Peak Sound Pressure Level 111.5 dB(L)
 Time (Relative to Trigger) 1.707 sec
 Zero Crossing Frequency 4.9 Hz
 Sensor Check ✓ Passed
 Frequency 20.5 Hz
 Test Amplitude 1287 mv

USBM R18507 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 April 26, 2024 10:36:56
 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_20240426103656.IDFW
 Disabled

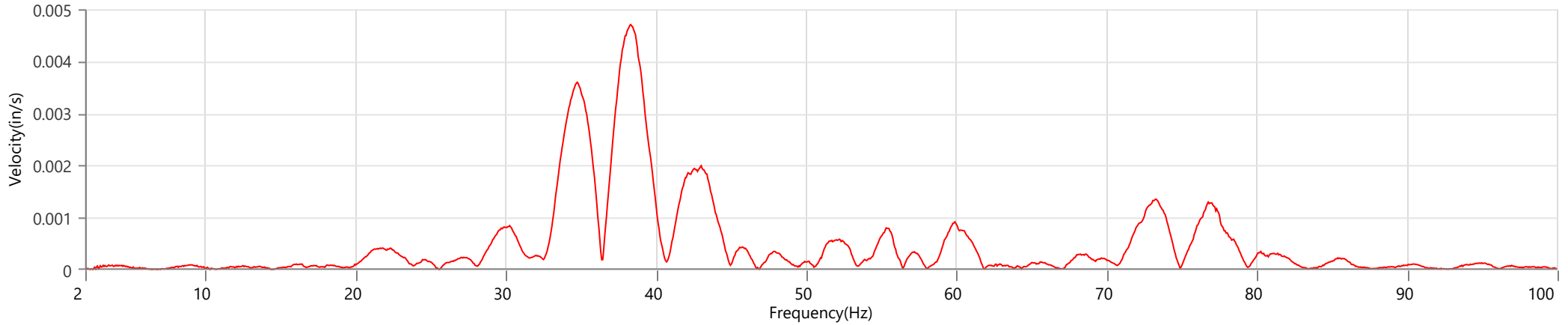
Notes

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

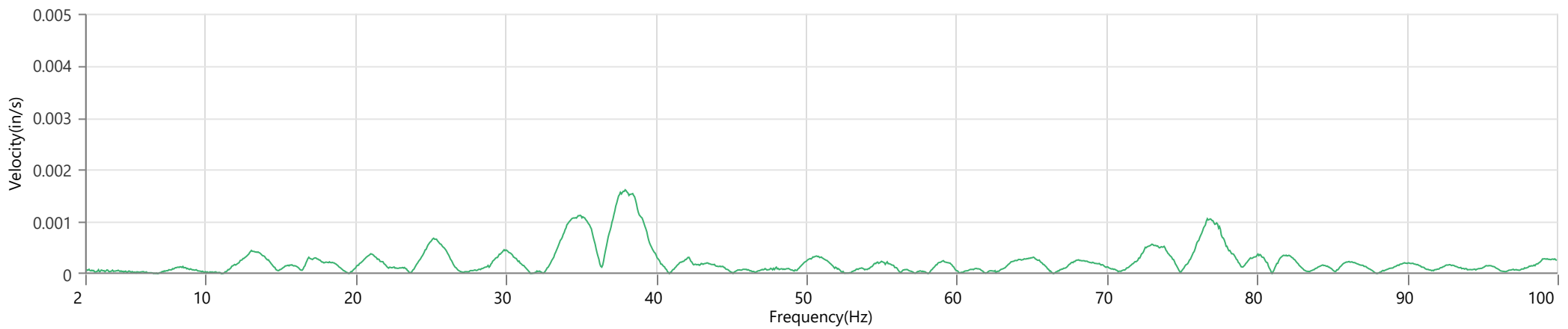
Extended Note N30.49821 W98.21578

Post Event Notes No text to be displayed.

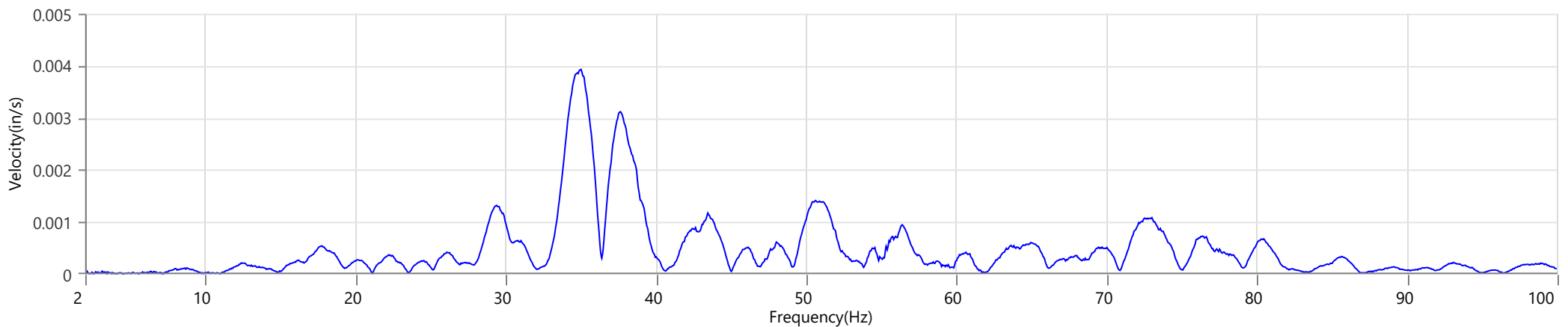
Tran - Dominant Frequency 38.3 Hz, Amplitude 0.0047 in/s (Peak Particle Velocity: 0.2197 in/s)



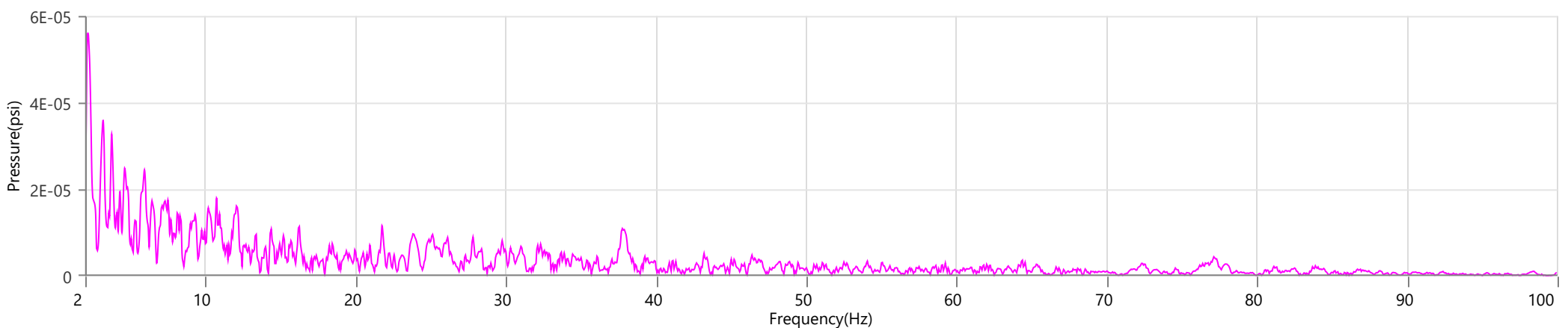
Vert - Dominant Frequency 37.9 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.1235 in/s)



Long - Dominant Frequency 35.0 Hz, Amplitude 0.0039 in/s (Peak Particle Velocity: 0.2150 in/s)



Mic - Dominant Frequency 2.2 Hz, Amplitude 0.00006 psi (Peak Sound Pressure Level: 0.001091 psi)



Waveform Trigger Source
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Vert at April 26, 2024 10:36:56
 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

UM7409
 Micromate ISEE 10.90GC
 3.8 volts
 June 27, 2023 by Instantel
 UM7409_20240426103656.IDFW
 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

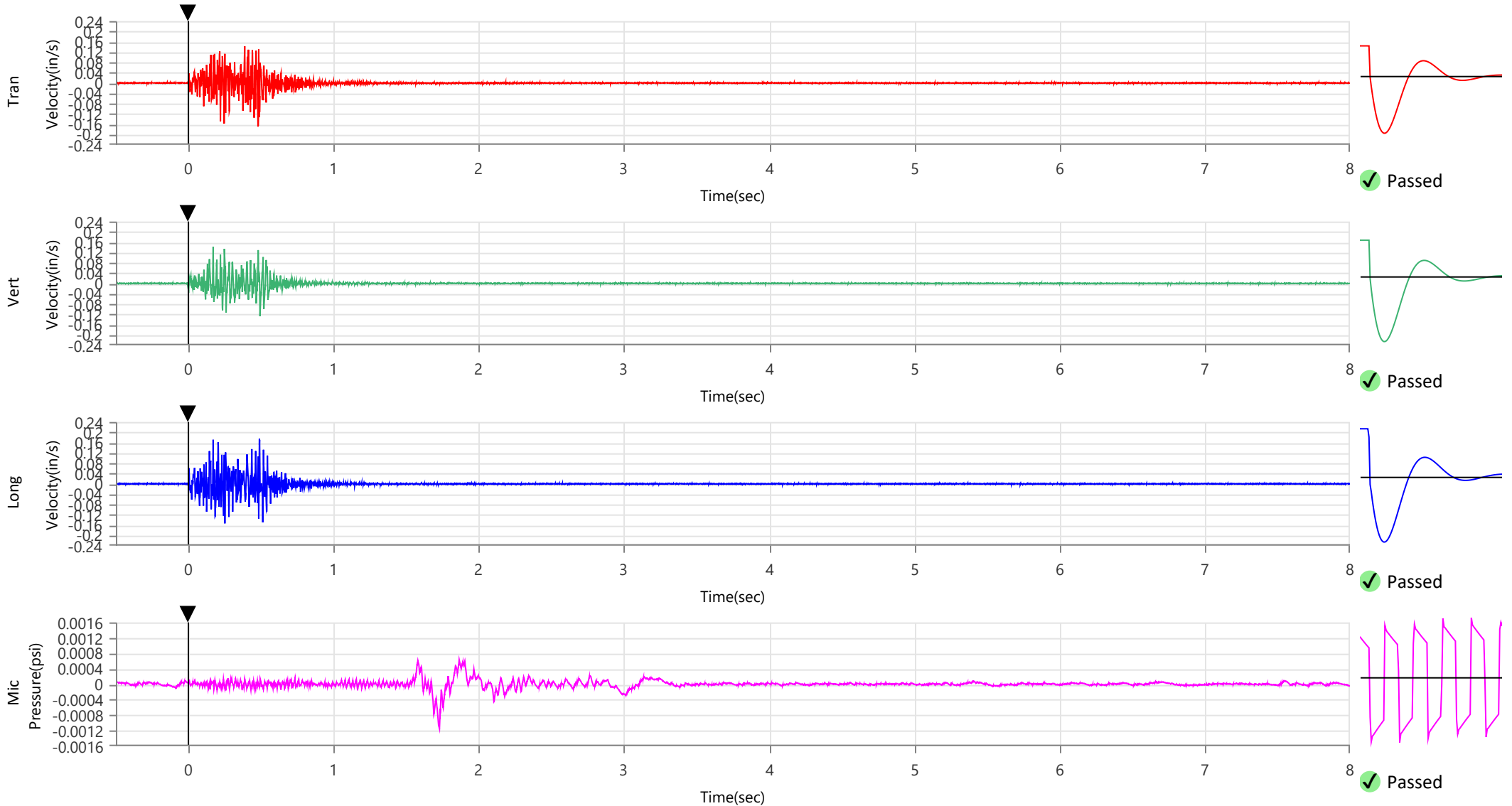
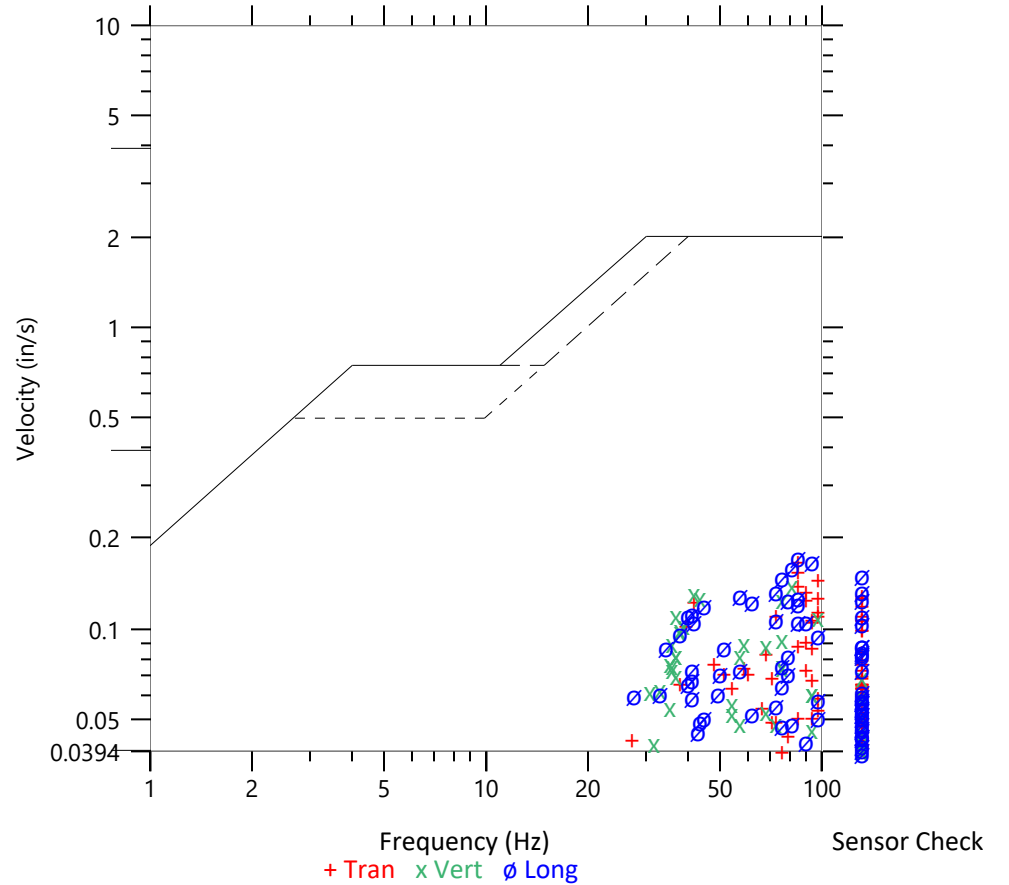
	Tran	Vert	Long
Peak Particle Velocity	0.1694 in/s	0.1424 in/s	0.1747 in/s
Zero Crossing Frequency	85.3 Hz	81.9 Hz	85.3 Hz
Time (Relative to Trigger)	0.480 sec	0.171 sec	0.490 sec
Peak Acceleration	0.283 g	0.197 g	0.286 g
Peak Displacement	0.000 in	0.000 in	0.000 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.5 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.5	3.8	3.2

Peak Vector Sum 0.2250 in/s at 0.247 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.001150 psi
Peak Sound Pressure Level	112.0 dB(L)
Time (Relative to Trigger)	1.729 sec
Zero Crossing Frequency	5.1 Hz
Sensor Check	✓ Passed
Frequency	19.7 Hz
Test Amplitude	1281 mv

USBM R18507 And OSMRE
 Velocity versus Frequency (Zero Crossing)



Waveform Trigger Source
Trigger Level(s)
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Operator

Vert at April 26, 2024 10:36:56
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 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

UM7409
 Micromate ISEE 10.90GC
 3.8 volts
 June 27, 2023 by Instantel
 UM7409_20240426103656.IDFW
 Disabled

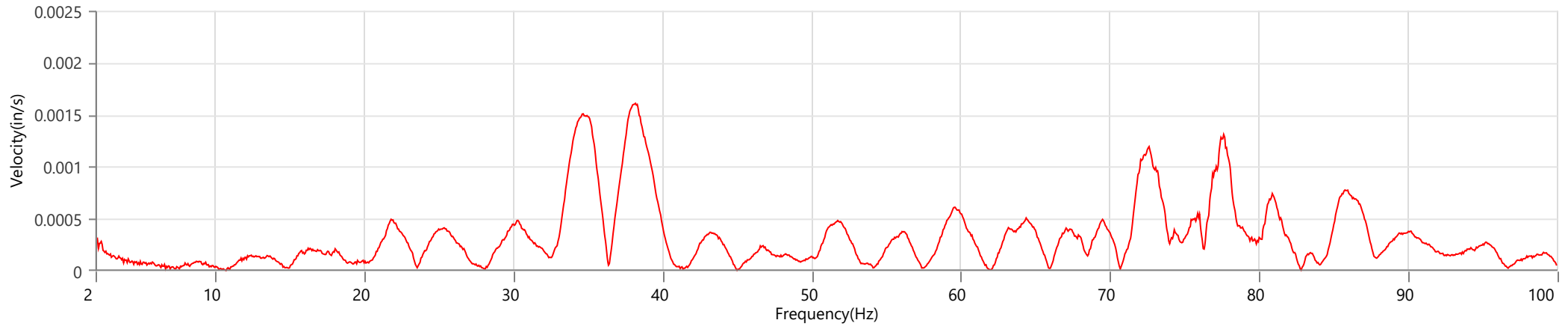
Notes

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

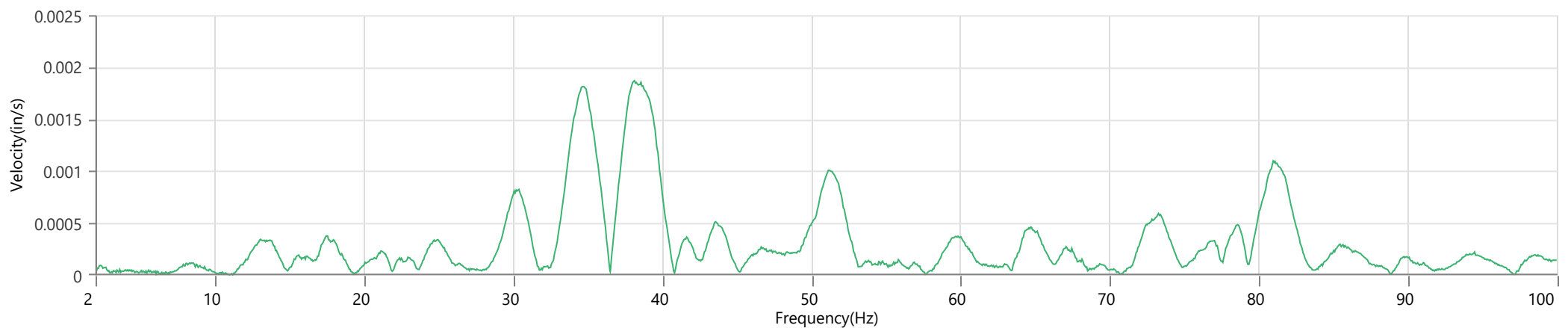
Extended Note N30.49911 W98.21538

Post Event Notes No text to be displayed.

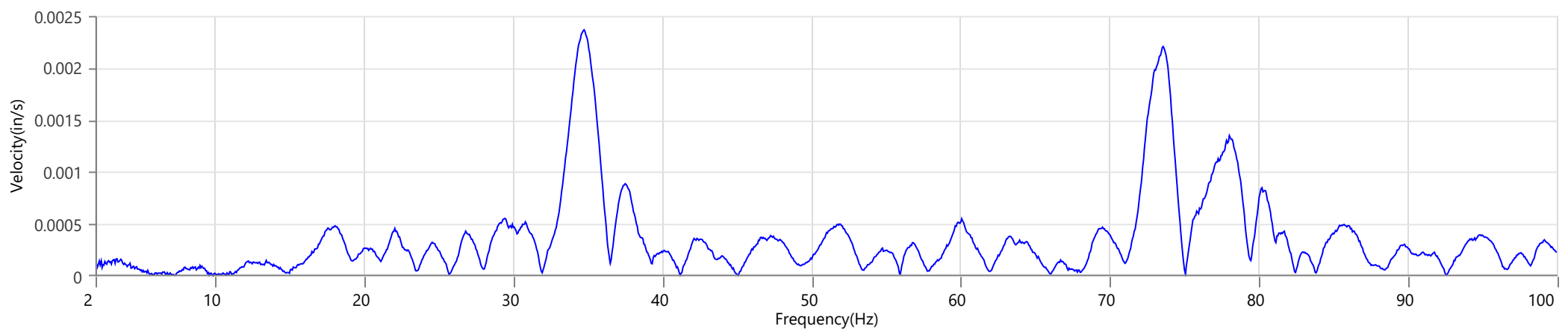
Tran - Dominant Frequency 38.2 Hz, Amplitude 0.0016 in/s (Peak Particle Velocity: 0.1694 in/s)



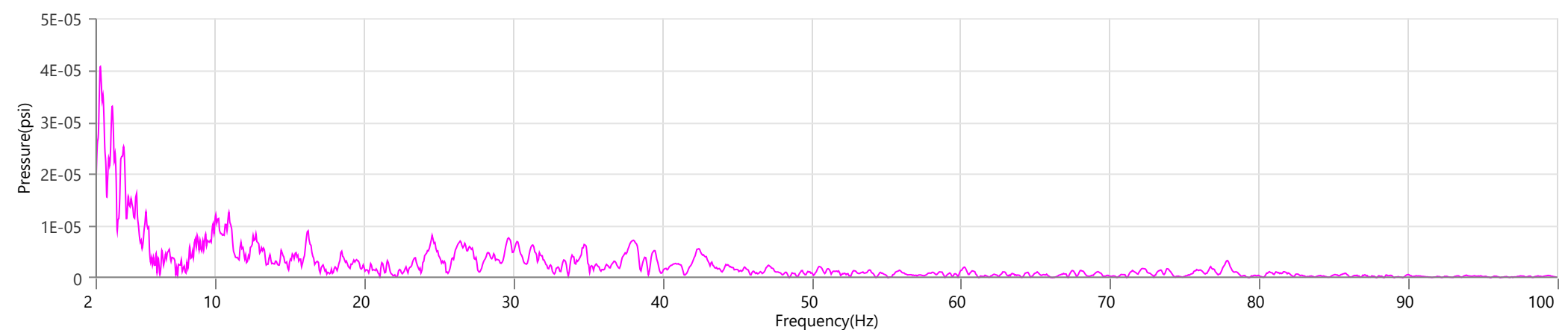
Vert - Dominant Frequency 38.1 Hz, Amplitude 0.0019 in/s (Peak Particle Velocity: 0.1424 in/s)



Long - Dominant Frequency 34.8 Hz, Amplitude 0.0024 in/s (Peak Particle Velocity: 0.1747 in/s)



Mic - Dominant Frequency 2.3 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.001150 psi)



Waveform Trigger Source
Trigger Level(s)
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Operator

Vert at April 26, 2024 10:36:56
 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

UM7284
 Micromate ISEE 10.90GC
 3.8 volts
 June 26, 2023 by Instantel
 UM7284_20240426103656.IDFW
 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

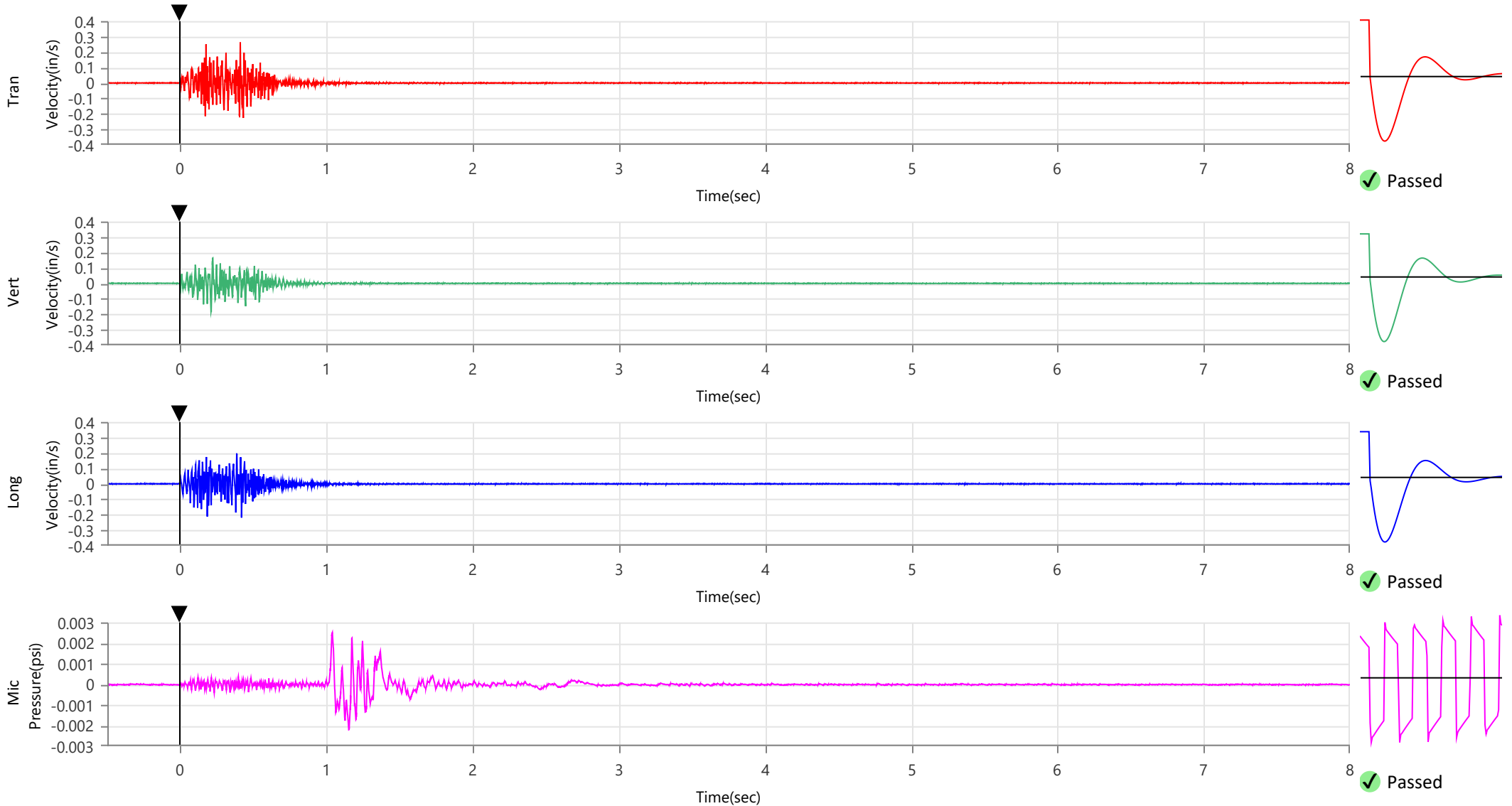
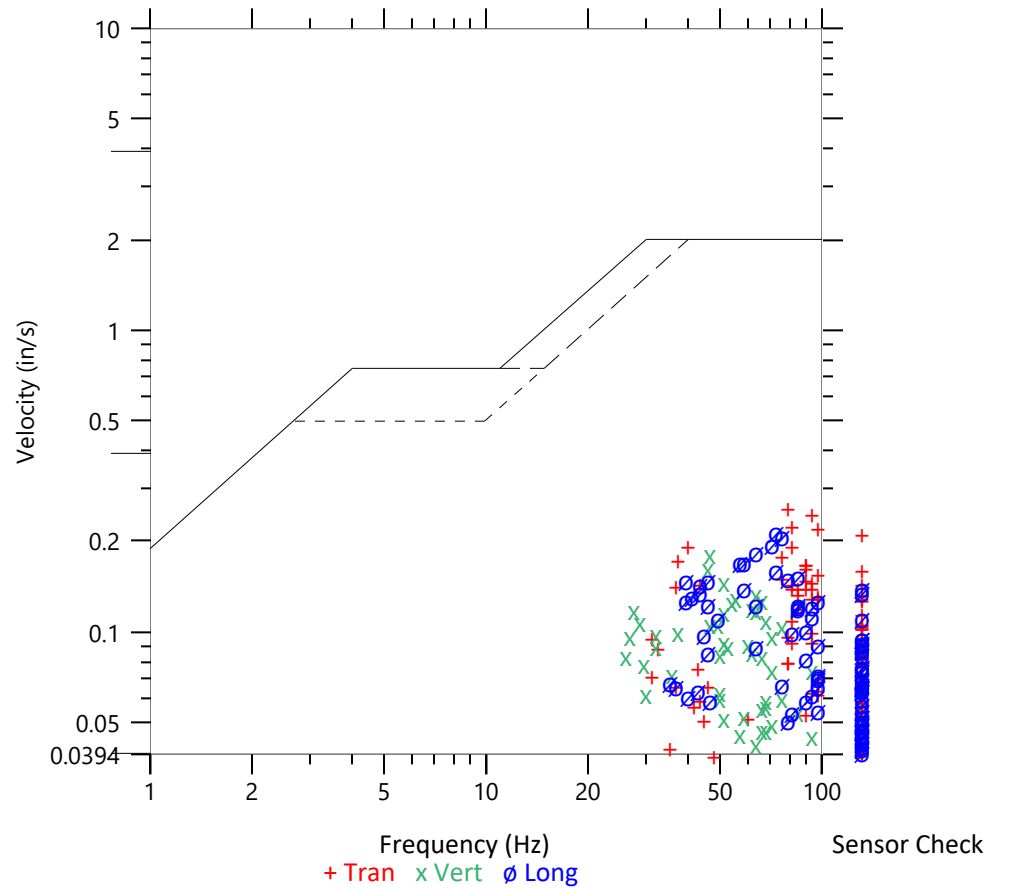
	Tran	Vert	Long
Peak Particle Velocity	0.2625 in/s	0.1834 in/s	0.2188 in/s
Zero Crossing Frequency	78.8 Hz	46.5 Hz	73.1 Hz
Time (Relative to Trigger)	0.410 sec	0.210 sec	0.419 sec
Peak Acceleration	0.385 g	0.151 g	0.250 g
Peak Displacement	0.001 in	0.001 in	0.001 in
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.3 Hz	7.5 Hz	7.1 Hz
Overswing Ratio	3.2	3.4	3.8

Peak Vector Sum 0.2928 in/s at 0.410 sec

ISEE Linear Microphone

Peak Sound Pressure Level	0.002509 psi
Peak Sound Pressure Level	118.7 dB(L)
Time (Relative to Trigger)	1.040 sec
Zero Crossing Frequency	11.8 Hz
Sensor Check	✓ Passed
Frequency	20.5 Hz
Test Amplitude	1312 mv

USBM R18507 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 April 26, 2024 10:36:56
 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

UM7284
 Micromate ISEE 10.90GC
 3.8 volts
 June 26, 2023 by Instantel
 UM7284_20240426103656.IDFW
 Disabled

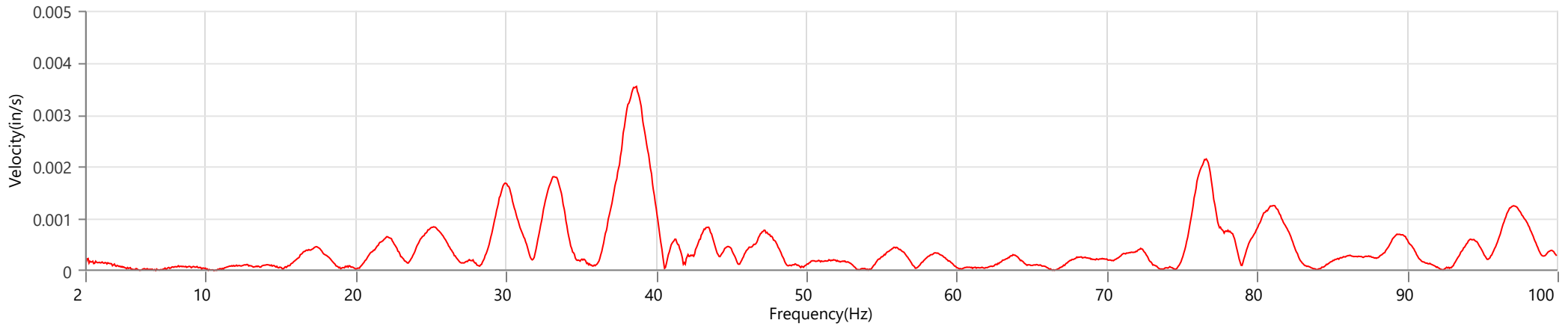
Notes

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

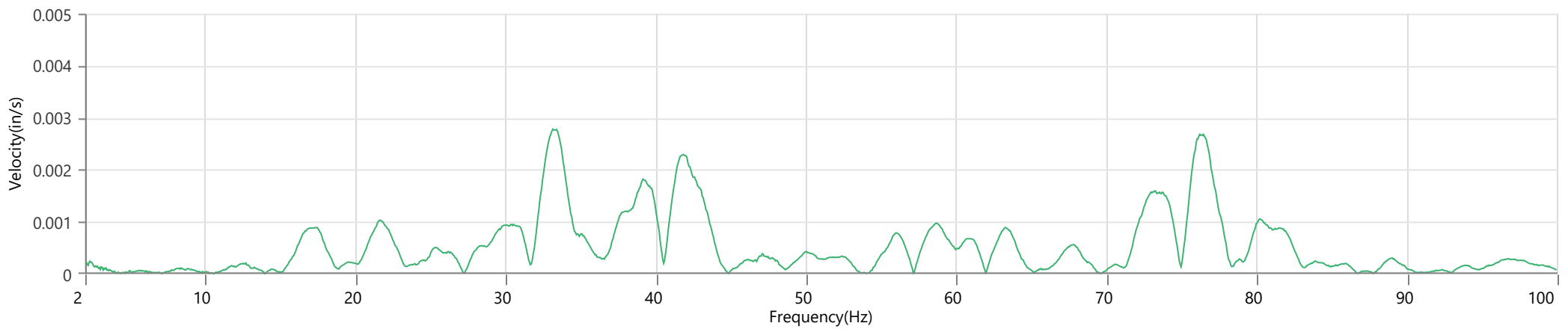
Extended Note N30.495113 W98.206539

Post Event Notes No text to be displayed.

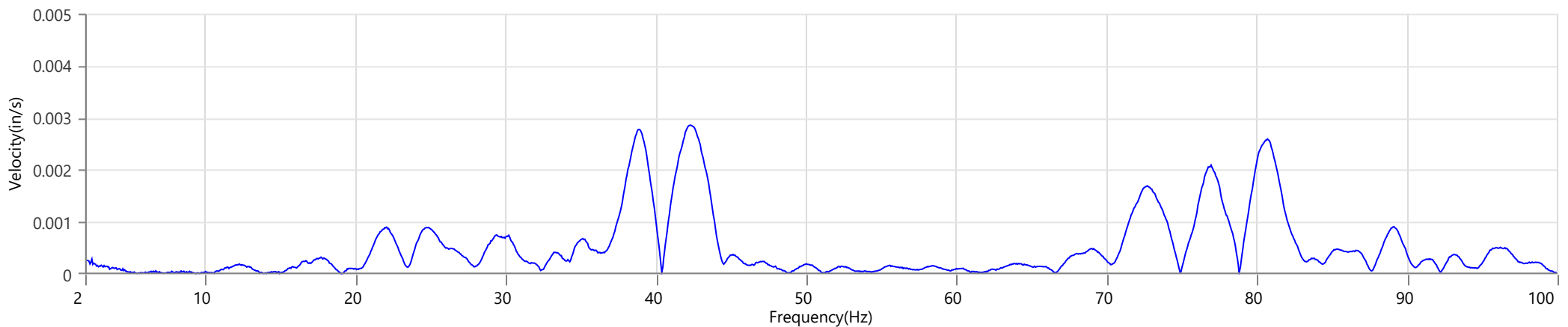
Tran - Dominant Frequency 38.7 Hz, Amplitude 0.0035 in/s (Peak Particle Velocity: 0.2625 in/s)



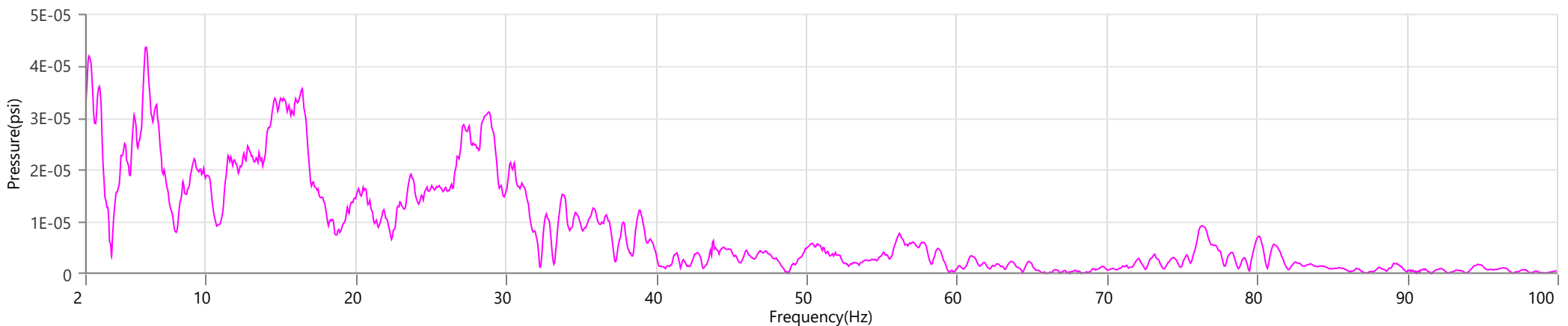
Vert - Dominant Frequency 33.1 Hz, Amplitude 0.0028 in/s (Peak Particle Velocity: 0.1834 in/s)



Long - Dominant Frequency 42.3 Hz, Amplitude 0.0029 in/s (Peak Particle Velocity: 0.2188 in/s)



Mic - Dominant Frequency 6.1 Hz, Amplitude 0.00004 psi (Peak Sound Pressure Level: 0.002509 psi)



Start April 26, 2024 00:00:05
Finish April 26, 2024 23:29:59
Number of Intervals/Interval 1409.91/60 sec
Sample Rate 4096 sps
Setup File Name Spicewood Hwy 71 - Noise 2.mmb
Operator Operator

Serial Number UM11630
Model Number Micromate ISEE 10.90GC
Battery Level 3.8 volts
Unit Calibration June 19, 2023 by Instantel
Microphone Calibration UA10154, March 2, 2023 by Instantel
Event File Name UM11630_20240426000005.IDFH
USB Sensor Support Disabled

Notes
Location Noise 2
Client Spicewood Crushed Stone
Company Hwy 71 Quarry
General Notes IGS, Inc.

Extended Note Station 5N30.49911 W98.21538

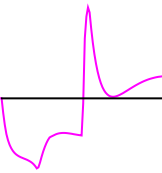
Post Event Notes No text to be displayed.

Sound Level Microphone

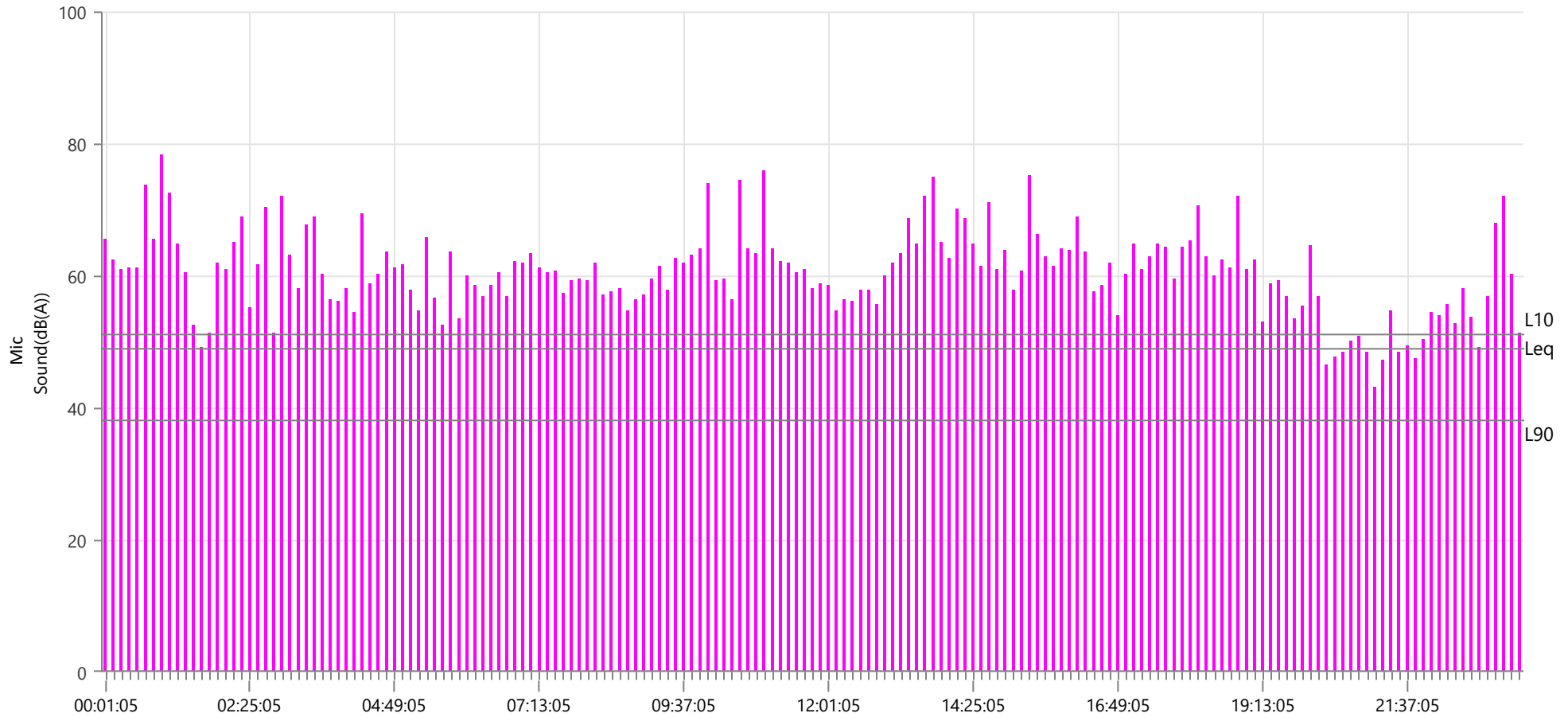
LMax 78.3 dB(A)
Date Apr 26, 2024
Time 00:58:05

	LMin	L10	L90	Leq
Sound(dB(A))	33.4	51	38	48.8
Sensor Check	✔ Passed			
Test Amplitude	1063 mv			

Sensor Check



✔ Passed



Start April 26, 2024 00:00:05
Finish April 26, 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 UM11574
Model Number Micromate ISEE 10.90GC
Battery Level 3.8 volts
Unit Calibration June 28, 2023 by Instantel
Microphone Calibration UA10761, July 29, 2022 by Instantel
Event File Name UM11574_20240426000005.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

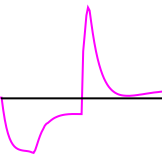
Post Event Notes No text to be displayed.

Sound Level Microphone

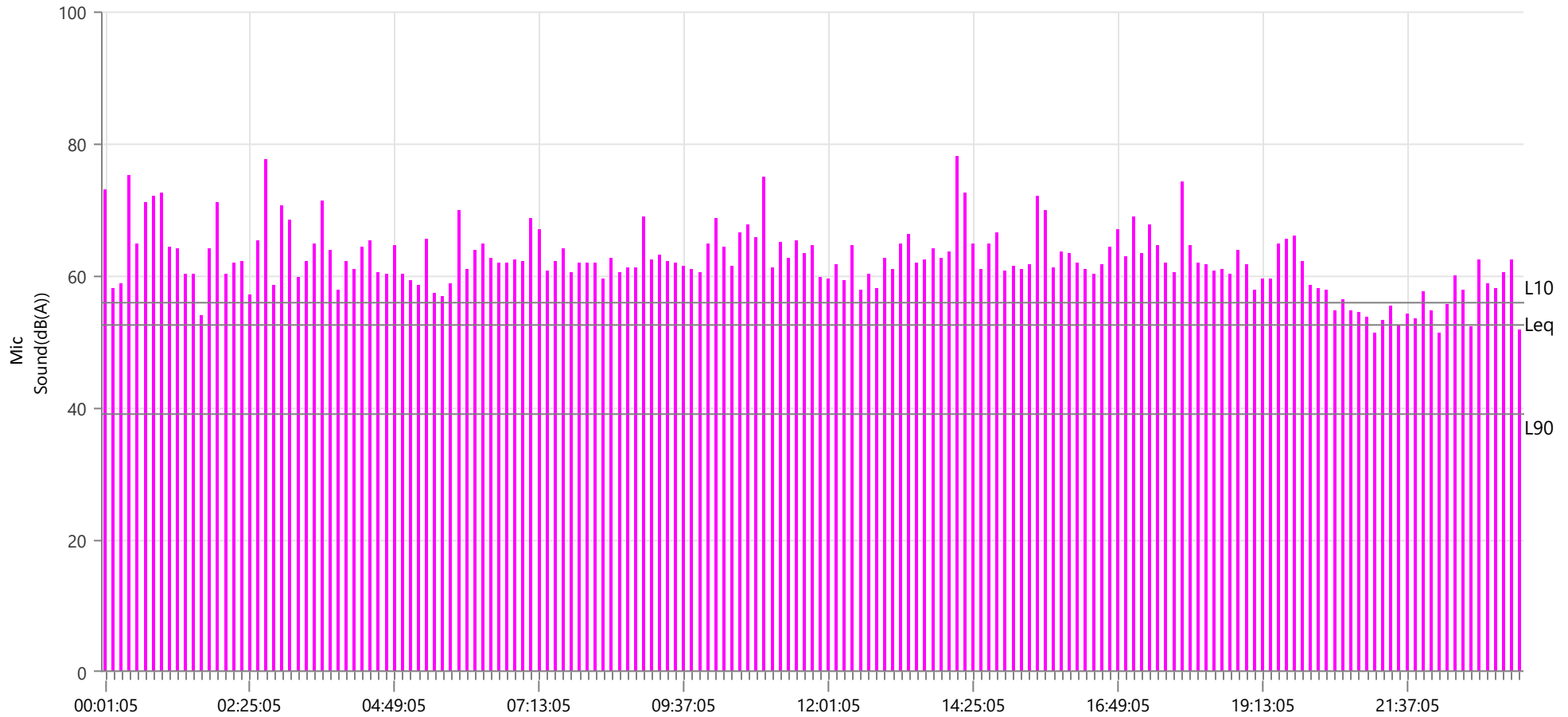
LMax 78.0 dB(A)
Date Apr 26, 2024
Time 14:09:05

	LMin	L10	L90	Leq
Sound(dB(A))	32.3	56	39	52.5
Sensor Check	✓ Passed			
Test Amplitude	1093 mv			

Sensor Check



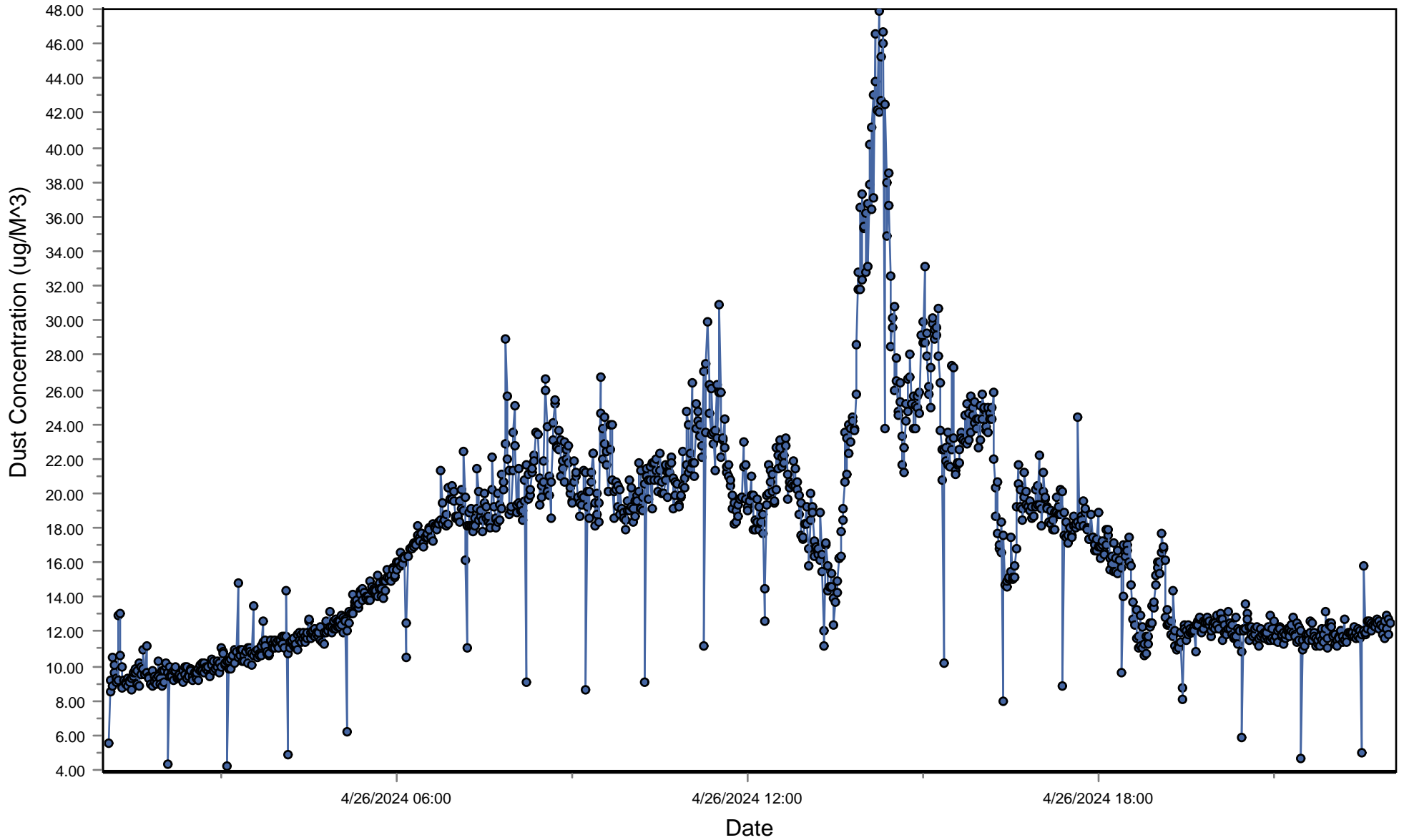
✓ Passed



Spicewood Crushed Stone - Hwy 71 Quarry

South Dust Monitor

● D100@AvgPartL



Spicewood Crushed Stone - Hwy 71 Quarry

North Dust Monitor

● D100@AvgPartL

