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REF: BN03/25

Date: 19th September 2024

Company: Environmental Protection Agency/Dept Planning

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Attention: to Whom it may concern

Blast Result Notification

Attached are the blast monitor results for today's blast, Thursday, 19th September 2024, all residential overpressures did not exceed residential threshold of 115.0 dB with the highest reading at the Goodsell Residence which recorded 107.5 dB. The residential ground vibrations did not exceed the residential ground vibration limit of 5mm/s with the highest recording of 0.675mm/s at the Correctional Facility. All commercial overpressures were also below the threshold of 125.0 dB with the highest reading 117.8 dB at Commercial Properties. The commercial ground vibrations were also below the commercial limits of 25mm/s with the highest reading 22.38mm/s at the Commercial Properties.

Regards

Budd Green
0418 112 776

Date/Time Vert at 13:00:01 September 19, 2024
Trigger Source Geo: 0.130 mm/s, Mic: 100.0 dB(L)
Range Geo: 31.75 mm/s
Record Time 5.0 sec at 1024 sps
Job Number: 1

Serial Number BE15377 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration January 12, 2024 by Saros Int.
File Name Q377KQ7Y.S10

Notes

Location:
 Client:
 User Name:
 General:

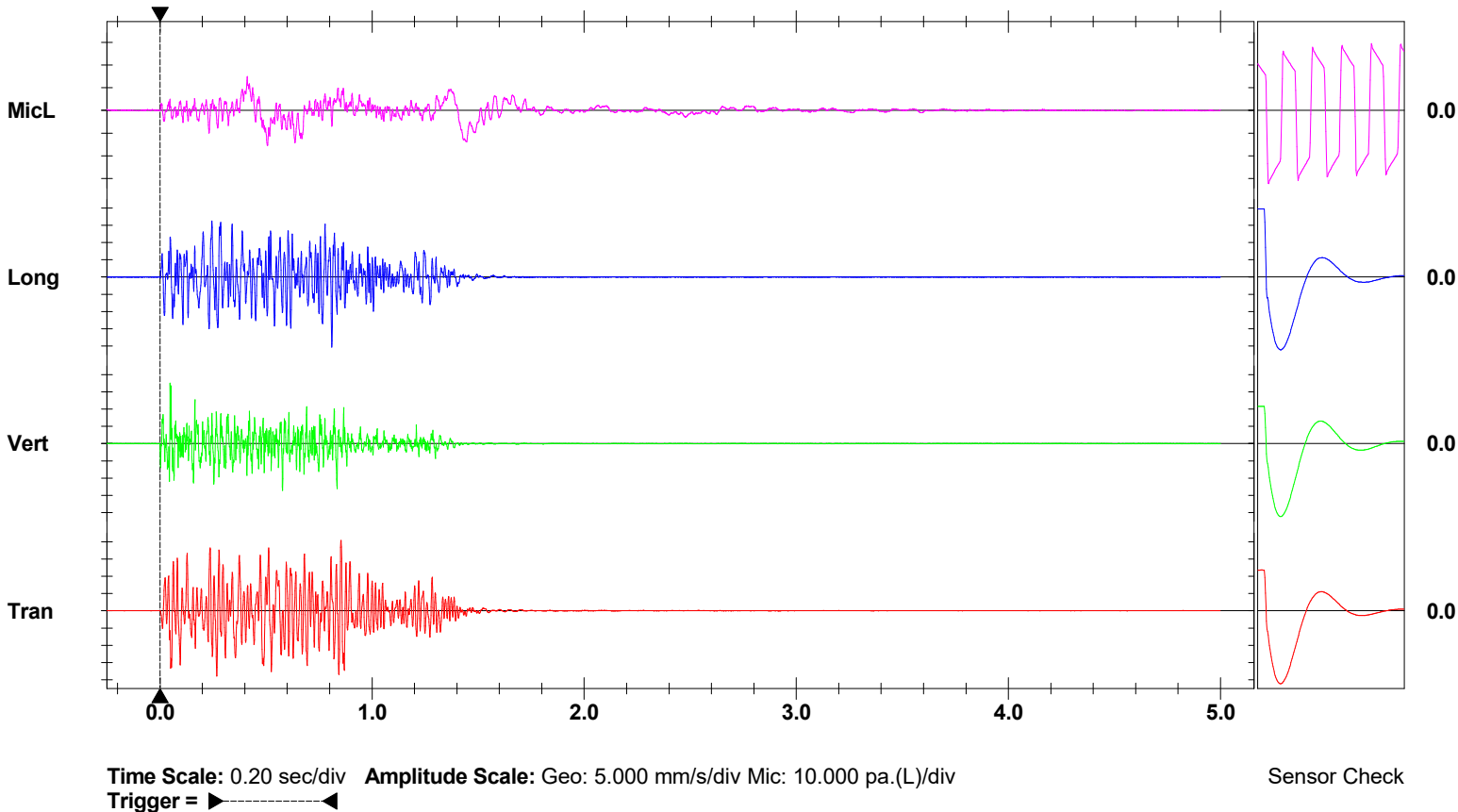
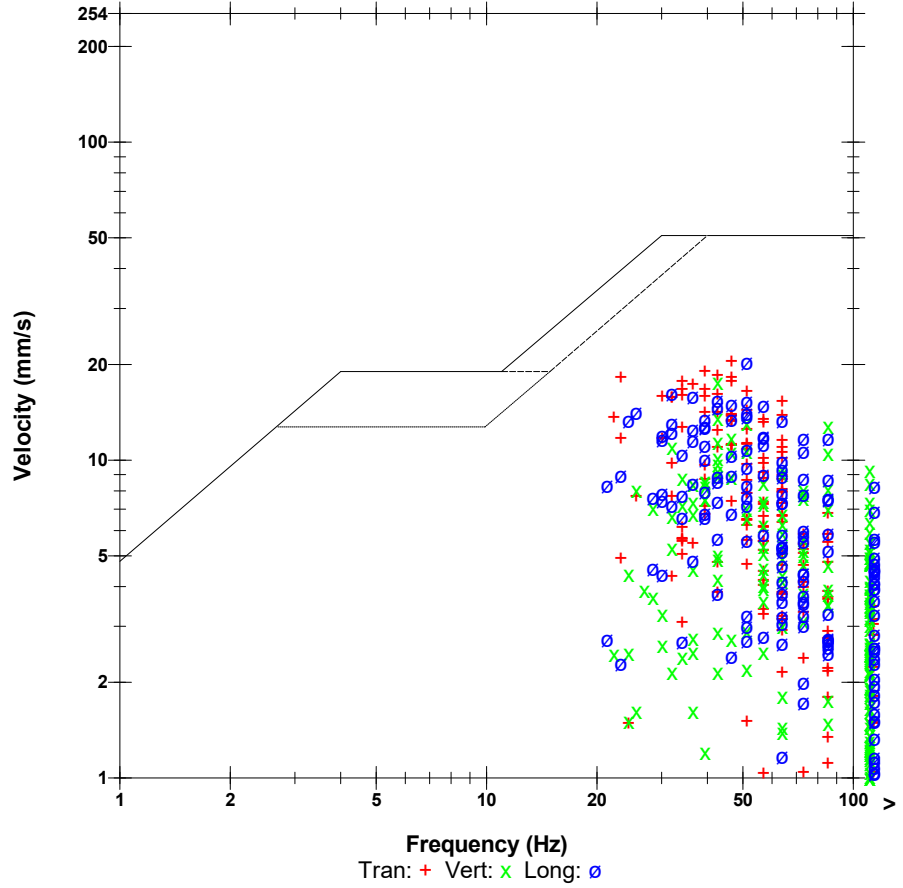
Extended Notes

Microphone Linear Weighting
PSPL 117.8 dB(L) at 0.507 sec
ZC Freq 7.1 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 557 mv)

	Tran	Vert	Long	
PPV	20.53	17.62	20.37	mm/s
ZC Freq	47	43	51	Hz
Time (Rel. to Trig)	0.854	0.048	0.811	sec
Peak Acceleration	0.739	1.312	0.792	g
Peak Displacement	0.092	0.039	0.072	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.6	7.3	Hz
Overswing Ratio	3.9	3.3	3.8	

Peak Vector Sum 22.38 mm/s at 0.053 sec

USBM RI8507 And OSMRE



Date/Time Vert at 13:00:02 September 19, 2024
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.75 mm/s
Record Time 5.0 sec at 1024 sps

Serial Number BE16020 V 10.72-1.1 Minimate Blaster
Battery Level 6.3 Volts
Unit Calibration January 12, 2024 by Saros Int.
File Name R020KQ7Y.S20

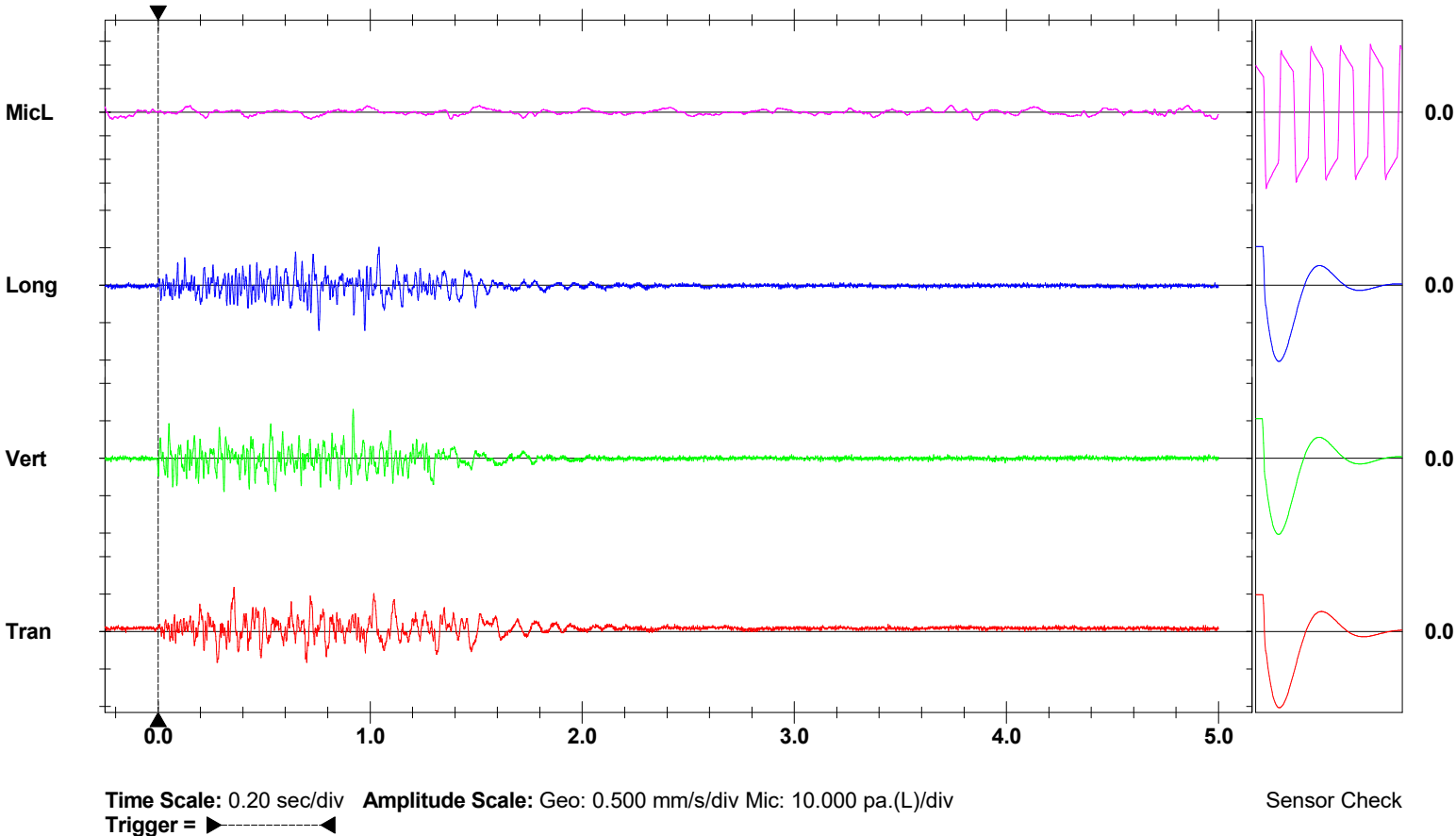
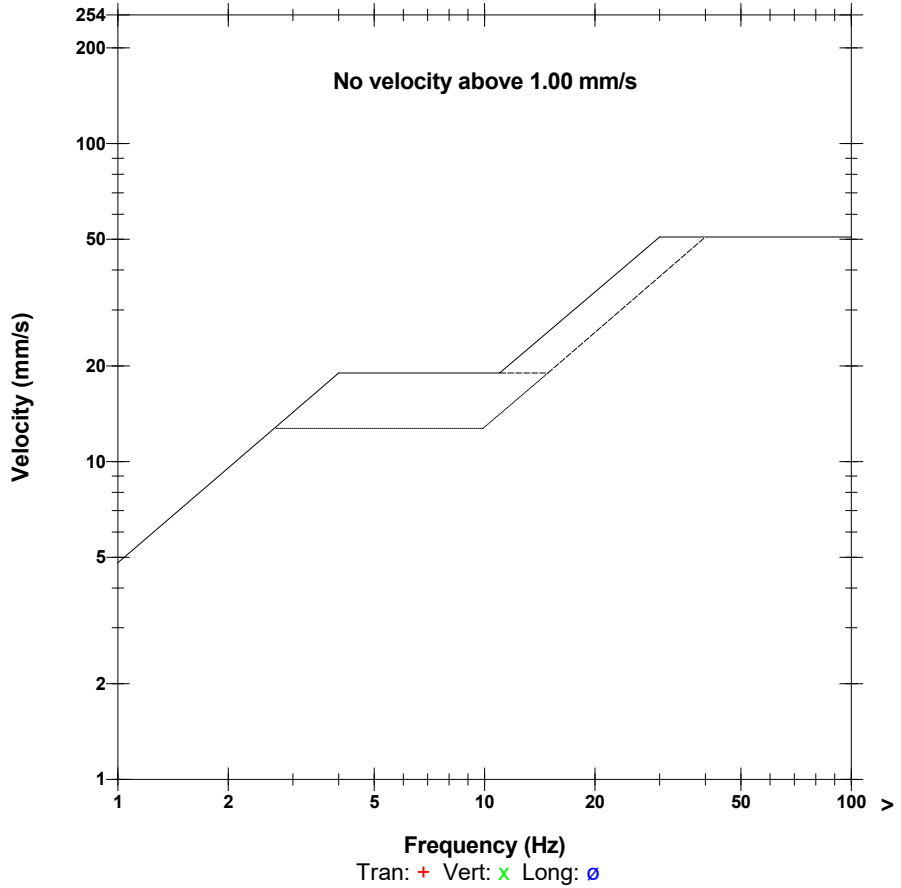
Notes

Microphone Linear Weighting
PSPL 104.9 dB(L) at 3.857 sec
ZC Freq 8.3 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 533 mv)

	Tran	Vert	Long	
PPV	0.587	0.651	0.603	mm/s
ZC Freq	20	39	28	Hz
Time (Rel. to Trig)	0.357	0.920	0.759	sec
Peak Acceleration	0.020	0.018	0.018	g
Peak Displacement	0.007	0.003	0.004	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.2	7.5	7.4	Hz
Overswing Ratio	3.8	3.7	3.9	

Peak Vector Sum 0.675 mm/s at 0.920 sec

USBM RI8507 And OSMRE



Date/Time Vert at 13:00:01 September 19, 2024
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.75 mm/s
Record Time 5.0 sec at 1024 sps

Serial Number BE15569 V 10.72-1.1 Minimate Blaster
Battery Level 6.3 Volts
Unit Calibration January 12, 2024 by Saros Int.
File Name Q569KQ7Y.S10

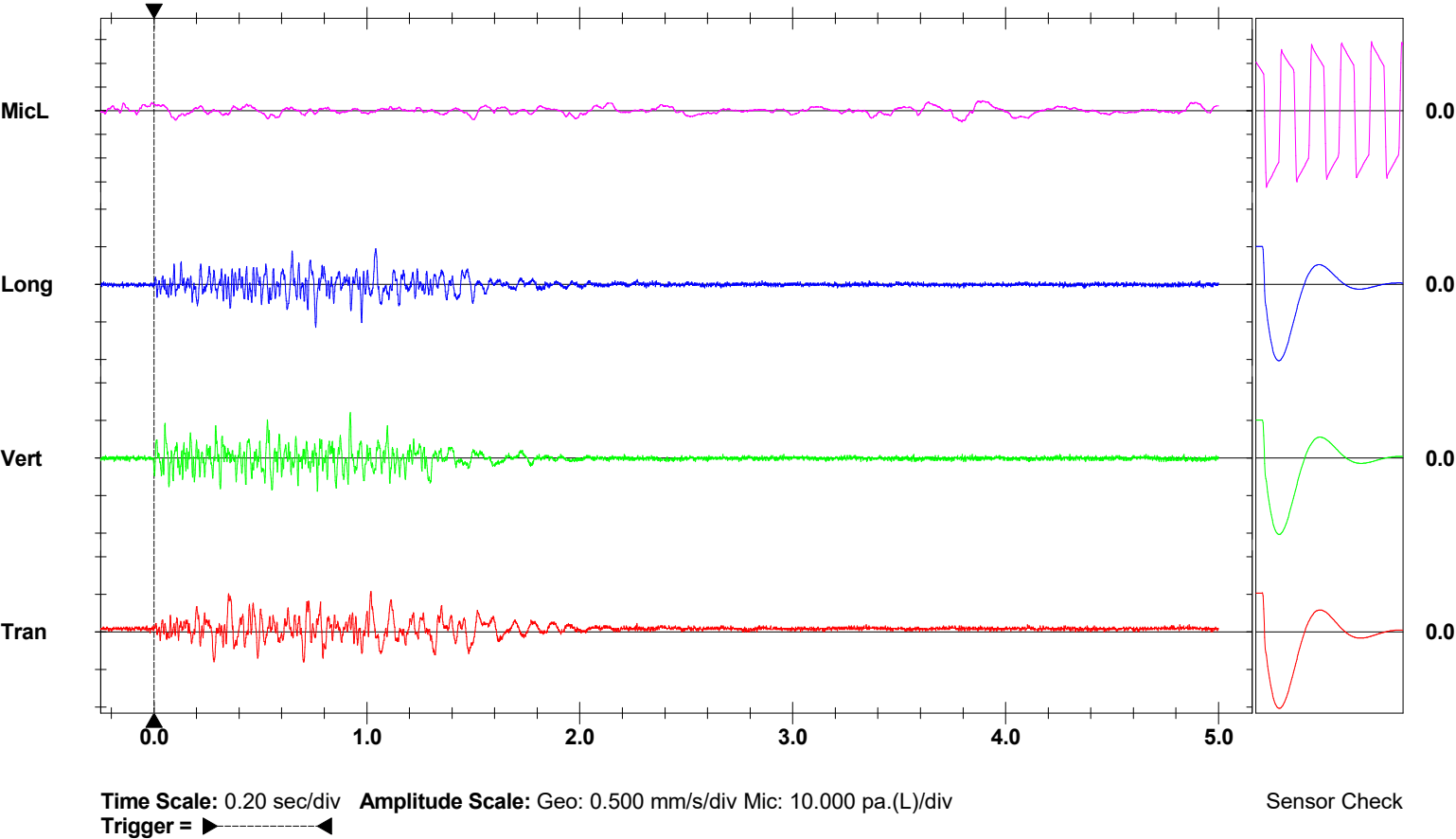
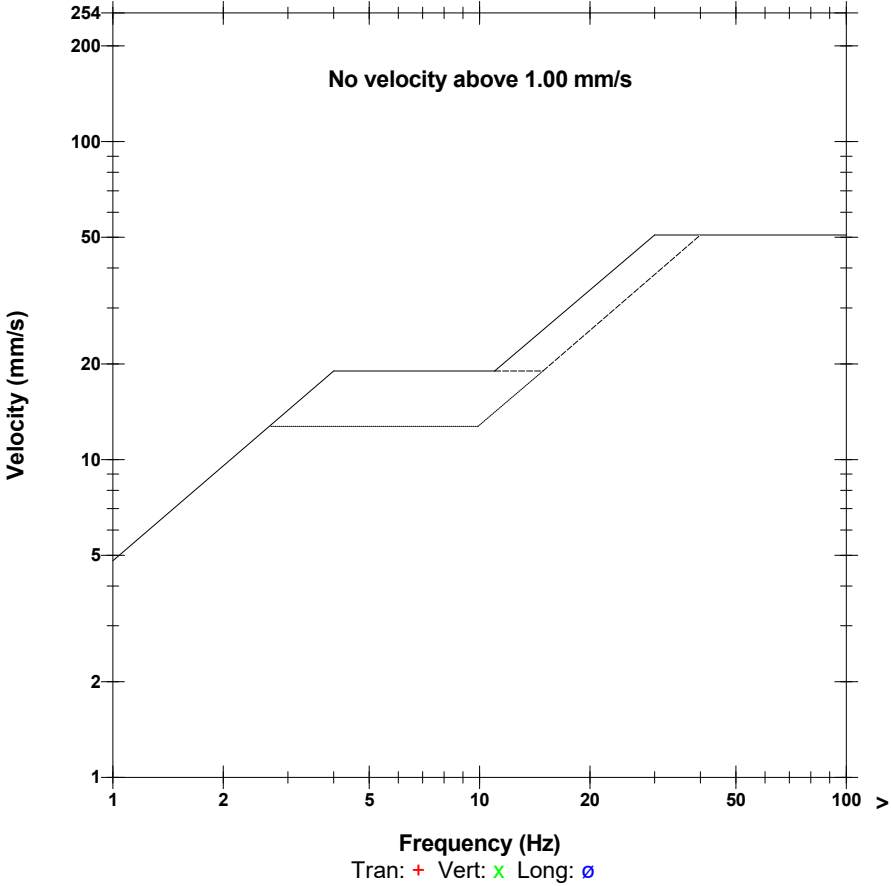
Notes

Microphone Linear Weighting
PSPL 107.5 dB(L) at 3.794 sec
ZC Freq 5.8 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 517 mv)

	Tran	Vert	Long	
PPV	0.540	0.603	0.571	mm/s
ZC Freq	18	37	26	Hz
Time (Rel. to Trig)	1.020	0.922	0.760	sec
Peak Acceleration	0.013	0.020	0.017	g
Peak Displacement	0.007	0.003	0.003	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.4	7.5	Hz
Overswing Ratio	3.5	3.7	3.9	

Peak Vector Sum 0.633 mm/s at 0.922 sec

USBM RI8507 And OSMRE



Date/Time MicL at 12:59:56 September 19, 2024
Trigger Source Geo: 0.130 mm/s, Mic: 100.00 dB(L)
Range Geo: 254.0 mm/s
Record Time 5.0 sec at 1024 sps
Operator/Setup: Operator/UM11465.mmb

Serial Number UM11465 V 10-90GC Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration January 12, 2024 by Saros Int
File Name UM11465_20240919125956.IDFW

Notes

Location
 Client
 Company
 General Notes

Microphone Linear Weighting
PSPL 111.6 dB(L) at 1.143 sec
ZC Freq 6.1 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1502 mv)

	Tran	Vert	Long	
PPV	4.981	2.301	3.760	mm/s
ZC Freq	15	20	16	Hz
Time (Rel. to Trig)	1.433	0.544	1.408	sec
Peak Acceleration	0.076	0.050	0.052	g
Peak Displacement	0.046	0.019	0.046	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.9	7.3	Hz
Overswing Ratio	3.4	3.1	3.6	

Peak Vector Sum 5.053 mm/s at 1.433 sec

USBM RI8507 And OSMRE

