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Oak Flats 2529**

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REF: BN02/25

Date: 15th August 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, 15th August 2024, all residential overpressures did not exceed residential threshold of 115.0 dB with the highest reading at the Goodsell Residence which recorded 114.4 dB. The residential ground vibrations did not exceed the residential ground vibration limit of 5mm/s with the highest recording of 2.784mm/s at the Correctional Facility. All commercial overpressures were also below the threshold of 125.0 dB with the highest reading 115.7 dB at Commercial Properties. The commercial ground vibrations were also below the commercial limits of 25mm/s with the highest reading 2.868mm/s at the Commercial Properties.

Regards

Budd Green
0418 112 776

Date/Time Vert at 12:30:01 August 15, 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 Q377KOF4.210

Notes

Location:
 Client:
 User Name:
 General:

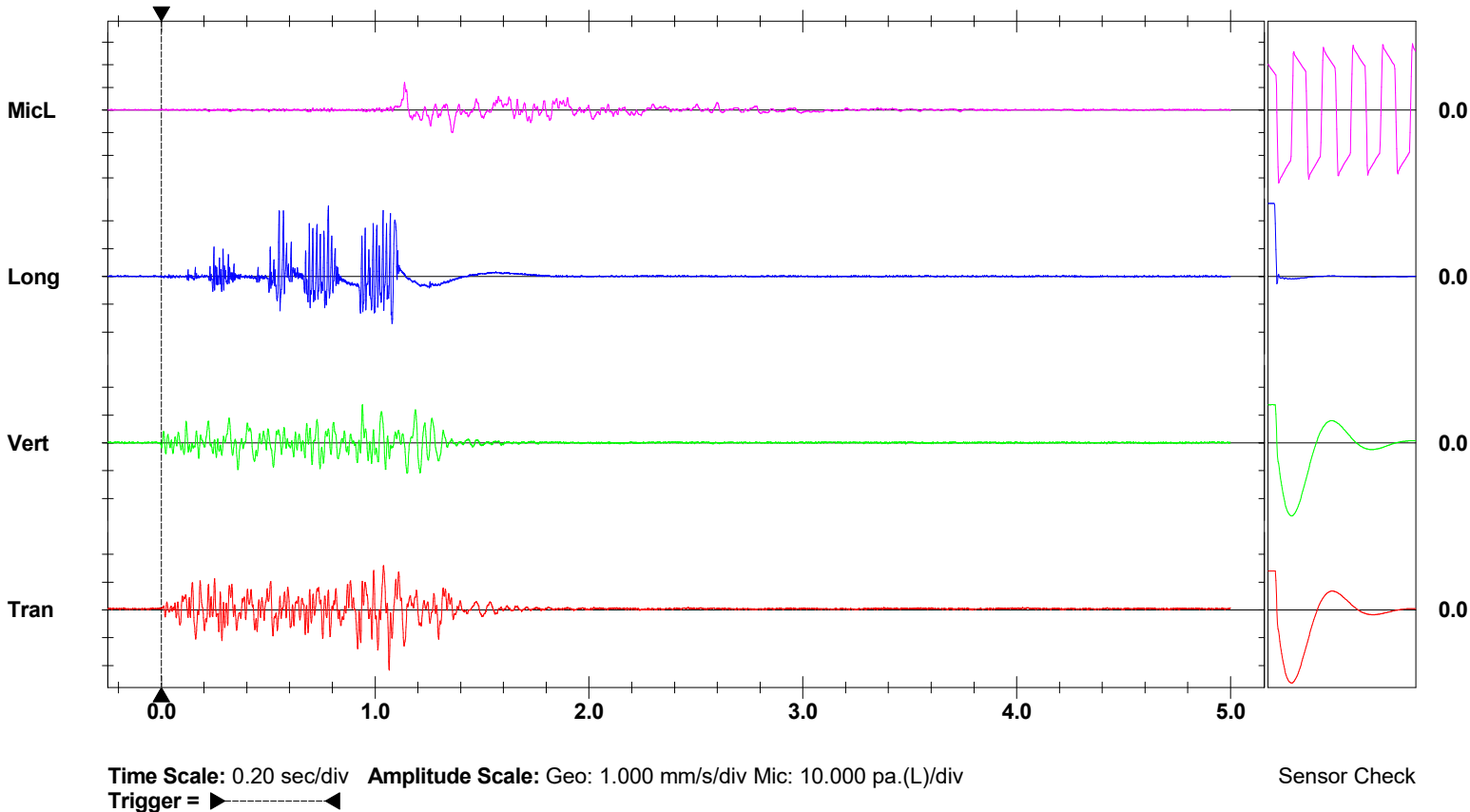
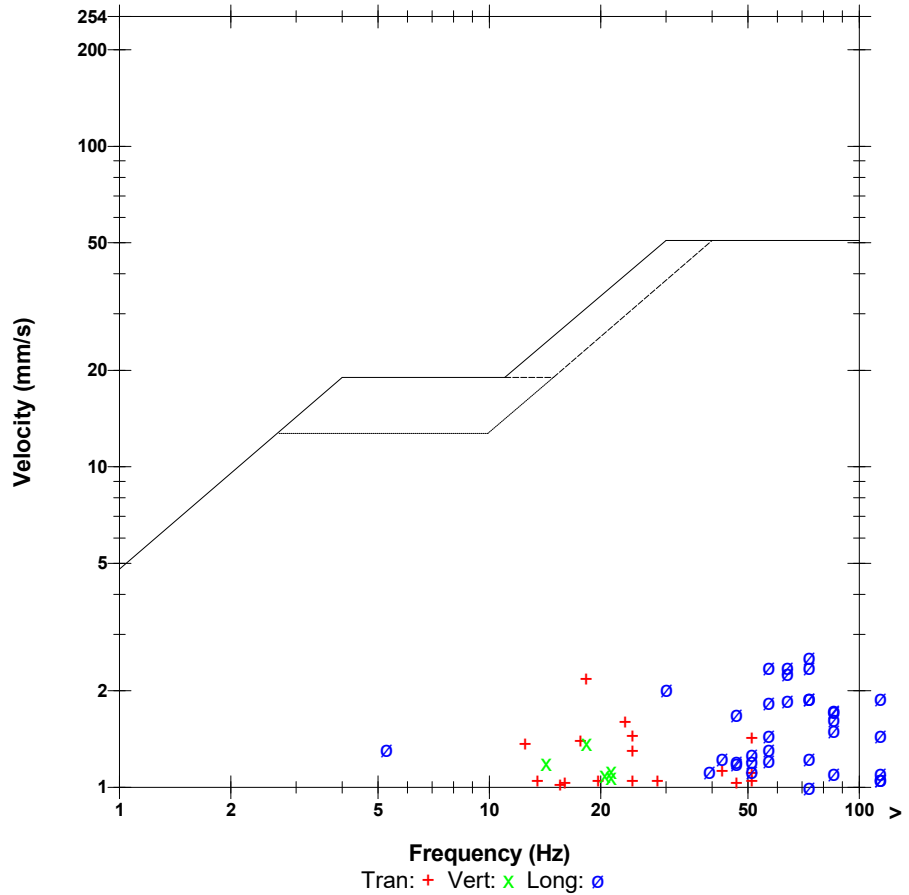
Extended Notes

Microphone Linear Weighting
PSPL 115.7 dB(L) at 1.138 sec
ZC Freq 7.0 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 590 mv)

	Tran	Vert	Long	
PPV	2.175	1.381	2.540	mm/s
ZC Freq	18	18	73	Hz
Time (Rel. to Trig)	1.065	0.940	0.781	sec
Peak Acceleration	0.048	0.031	0.167	g
Peak Displacement	0.013	0.009	0.028	mm
Sensor Check	Passed	Passed	Check	
Frequency	7.5	7.7	7.8	Hz
Overswing Ratio	3.9	3.3	6.0	

Peak Vector Sum 2.868 mm/s at 1.037 sec

USBM RI8507 And OSMRE



Date/Time Vert at 12:30:01 August 15, 2024
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.75 mm/s
Record Time 5.0 sec at 1024 sps

Serial Number BE15777 V 10.72-1.1 Minimate Blaster
Battery Level 6.3 Volts
Unit Calibration January 12, 2024 by Saros Int.
File Name Q777KOF4.210

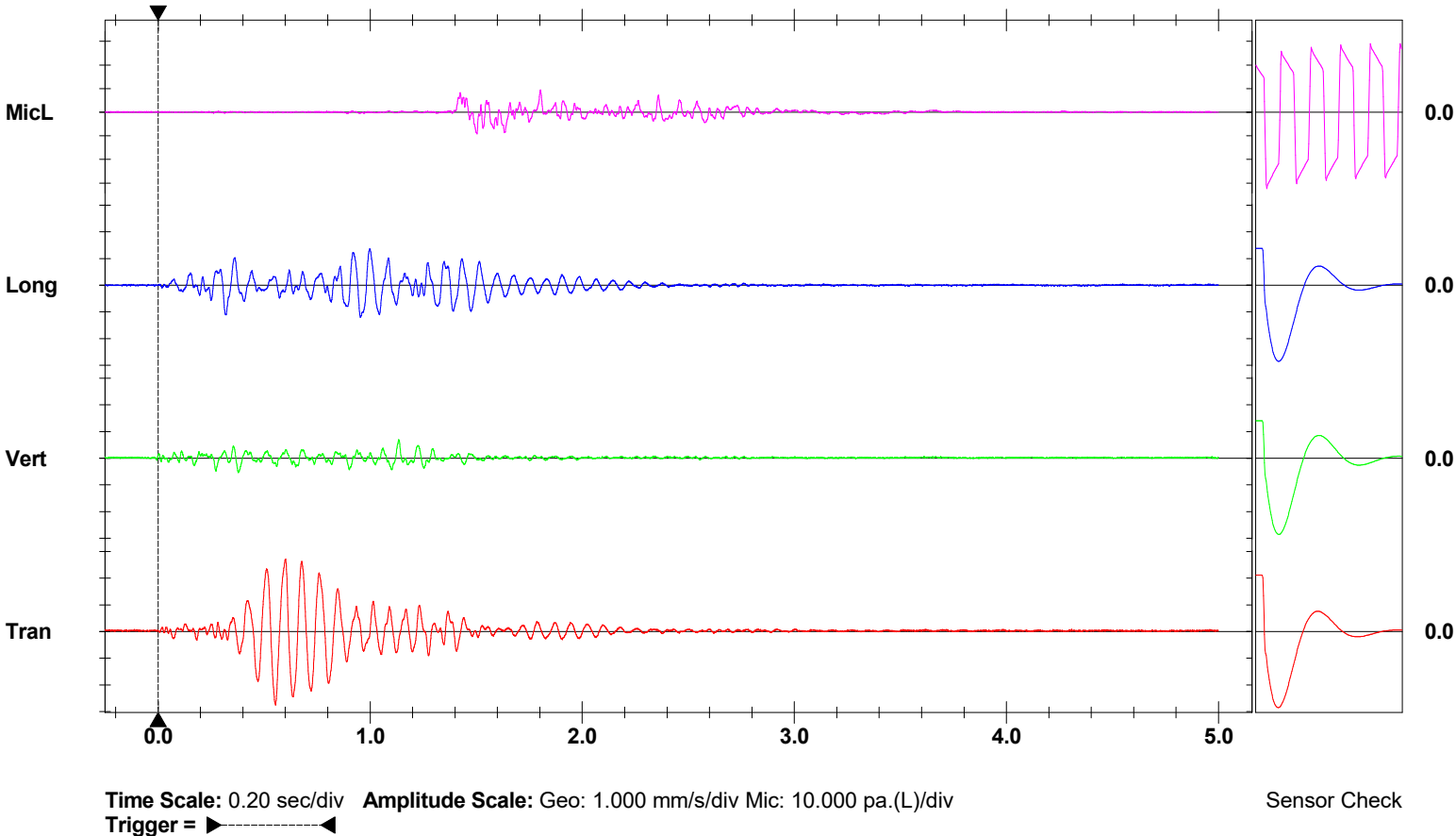
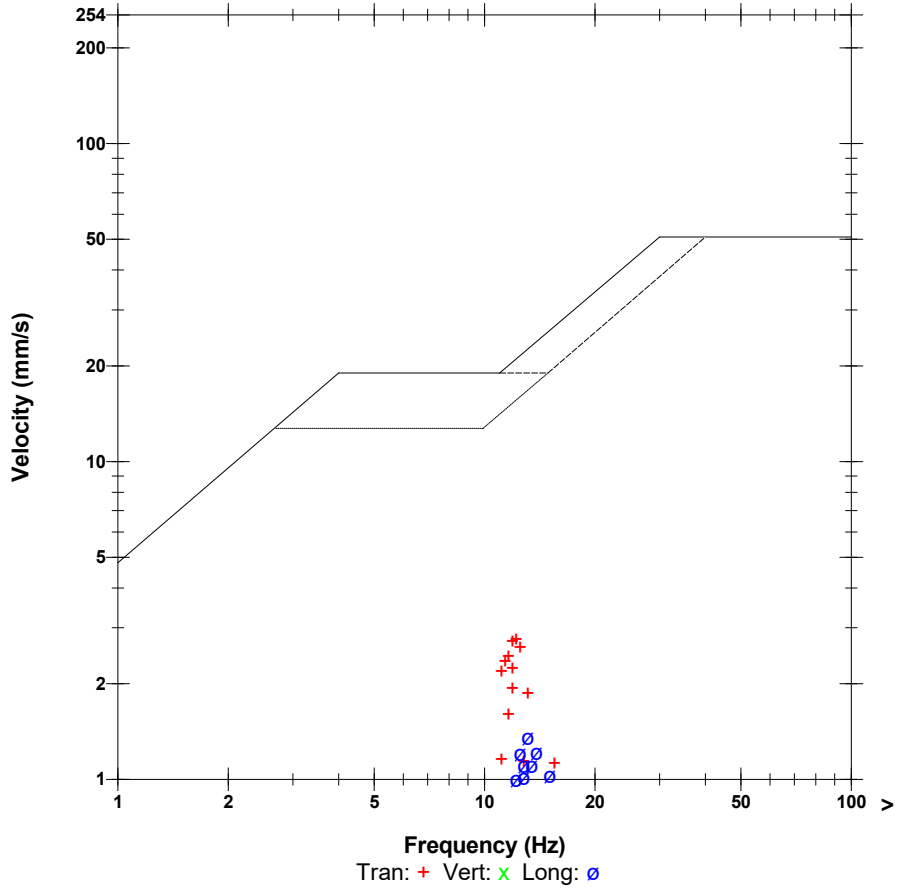
Notes

Microphone Linear Weighting
PSPL 113.5 dB(L) at 1.803 sec
ZC Freq 11 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 564 mv)

	Tran	Vert	Long	
PPV	2.762	0.698	1.365	mm/s
ZC Freq	12	19	13	Hz
Time (Rel. to Trig)	0.554	1.135	0.998	sec
Peak Acceleration	0.028	0.012	0.017	g
Peak Displacement	0.036	0.005	0.017	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.7	7.6	7.4	Hz
Overswing Ratio	3.8	3.4	4.0	

Peak Vector Sum 2.784 mm/s at 0.554 sec

USBM RI8507 And OSMRE



Date/Time Vert at 12:29:46 August 15, 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/UM11464.mmb

Serial Number UM11464 V 10-90GC Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration January 12, 2024 by Saros Int
File Name UM11464_20240815122946.IDFW

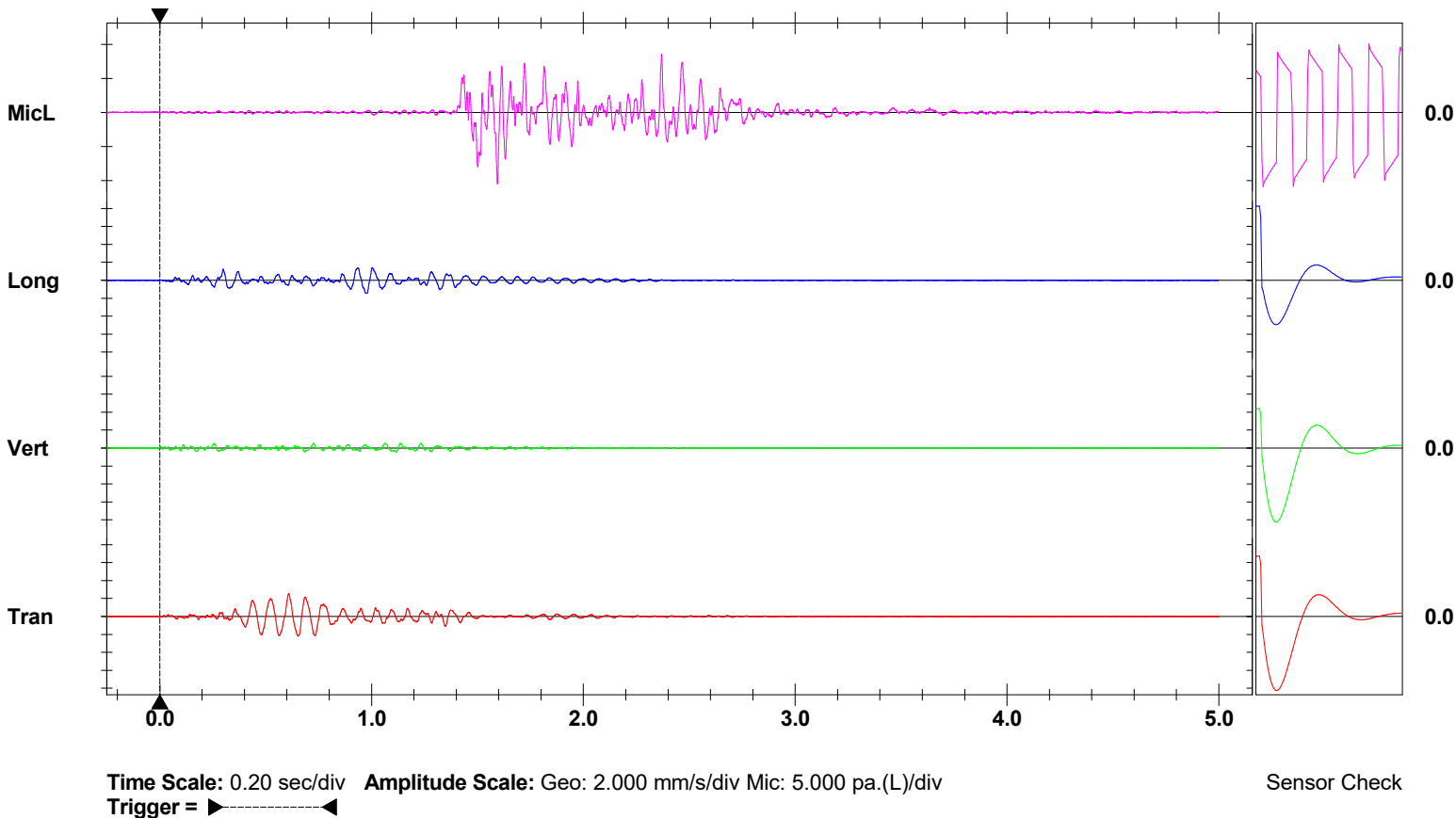
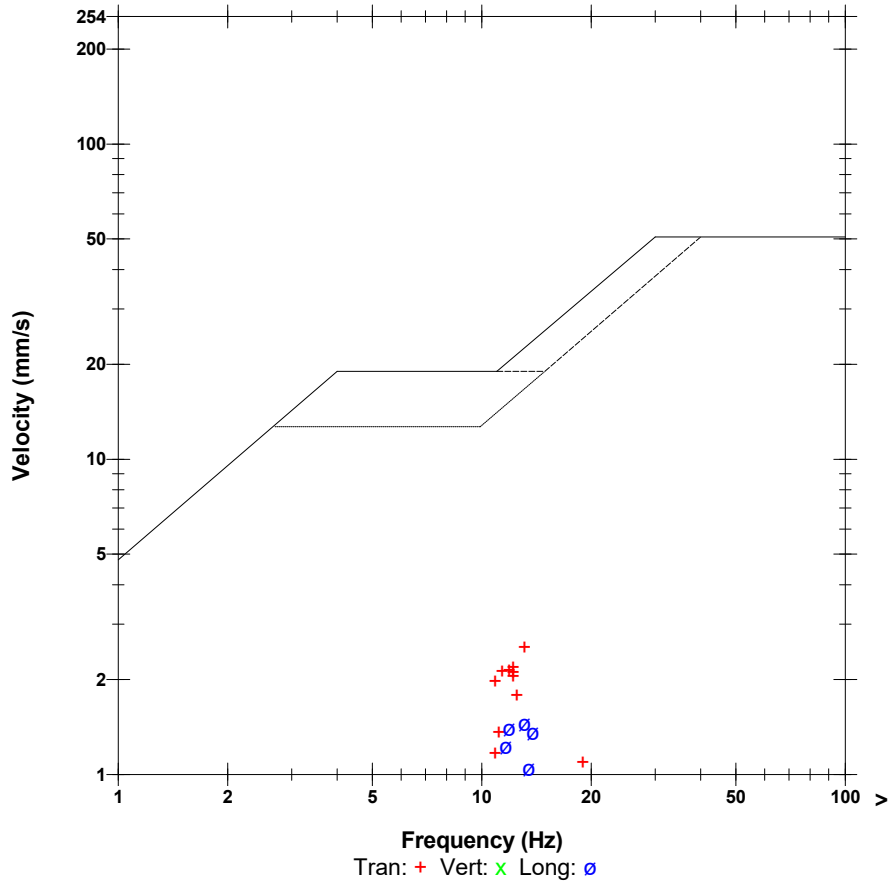
Notes
 Location
 Client
 Company
 General Notes

Microphone Linear Weighting
PSPL 114.4 dB(L) at 1.594 sec
ZC Freq 18 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1649 mv)

	Tran	Vert	Long	
PPV	2.538	0.544	1.458	mm/s
ZC Freq	13	18	13	Hz
Time (Rel. to Trig)	0.609	1.233	0.975	sec
Peak Acceleration	0.028	0.011	0.019	g
Peak Displacement	0.029	0.006	0.018	mm
Sensor Check	Passed	Passed	Check	
Frequency	7.5	7.7	7.9	Hz
Overswing Ratio	3.4	3.2	2.9	

Peak Vector Sum 2.583 mm/s at 0.608 sec

USBM RI8507 And OSMRE



Date/Time Vert at 12:30:01 August 15, 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 R020KOF4.210

Notes

Microphone Linear Weighting
PSPL 106.5 dB(L) at 3.316 sec
ZC Freq 20 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 541 mv)

	Tran	Vert	Long	
PPV	0.238	0.206	0.222	mm/s
ZC Freq	28	30	47	Hz
Time (Rel. to Trig)	0.404	0.906	1.101	sec
Peak Acceleration	0.007	0.008	0.010	g
Peak Displacement	0.005	0.001	0.001	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.2	7.4	7.5	Hz
Overswing Ratio	3.9	3.8	4.0	

Peak Vector Sum 0.256 mm/s at 1.101 sec

USBM RI8507 And OSMRE

