

Services, Department Finance, Services & Innovation 2022

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Created By:

Projection: GDA2020 / MGA zone 56

Date: 30/10/2023 2:14 PM

**Date/Time** Long at 14:29:00 June 17, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 110.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 3.0 sec at 2048 sps  
**Operator/Setup:** Operator/CAVAL RIDGE TEST.mmb

**Serial Number** UM10341 V 10-90GC Micromate DIN  
**Battery Level** 3.8 Volts  
**Unit Calibration** June 11, 2024 by Saros Int  
**File Name** UM10341\_20240617142900.IDFW

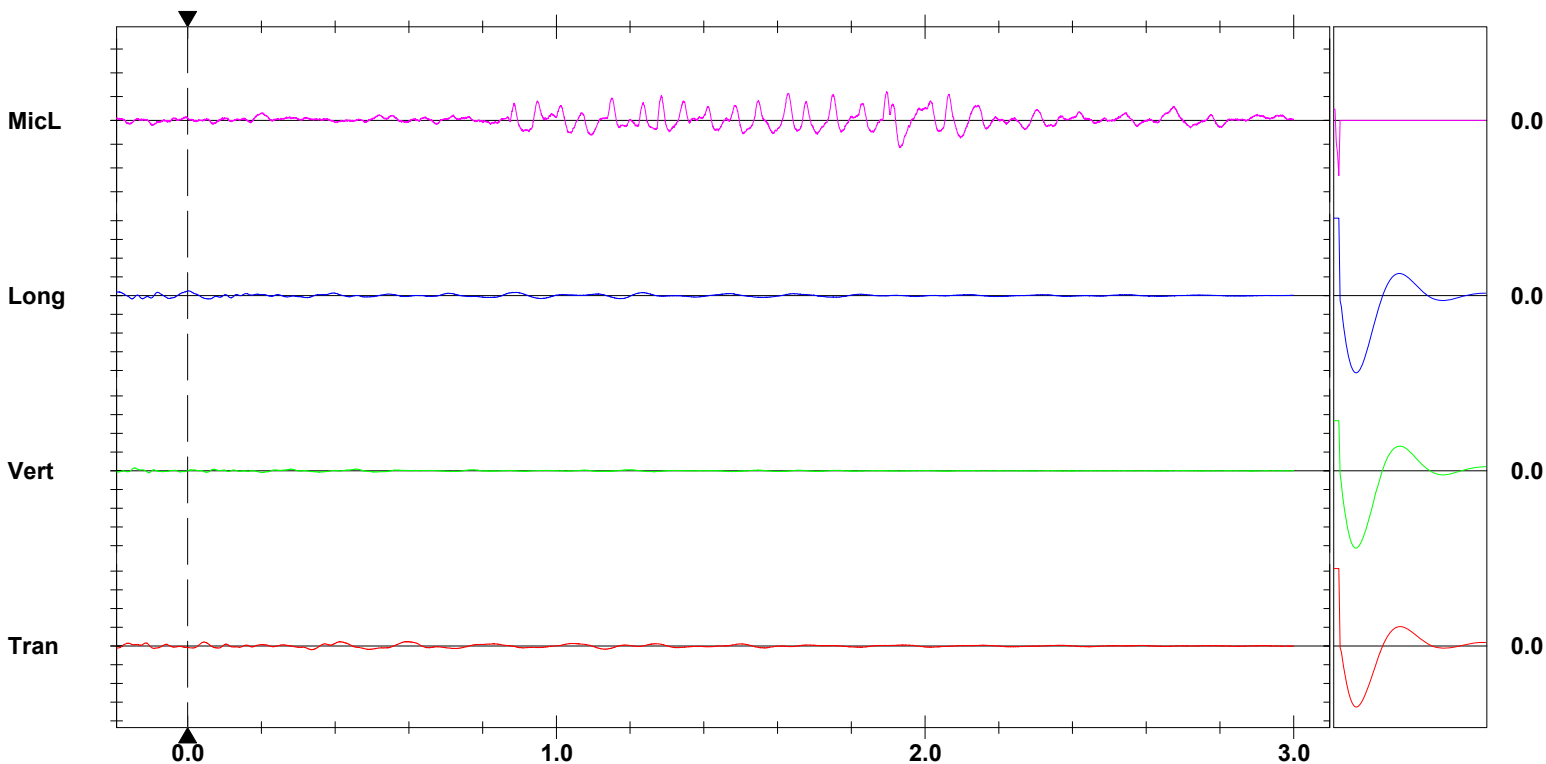
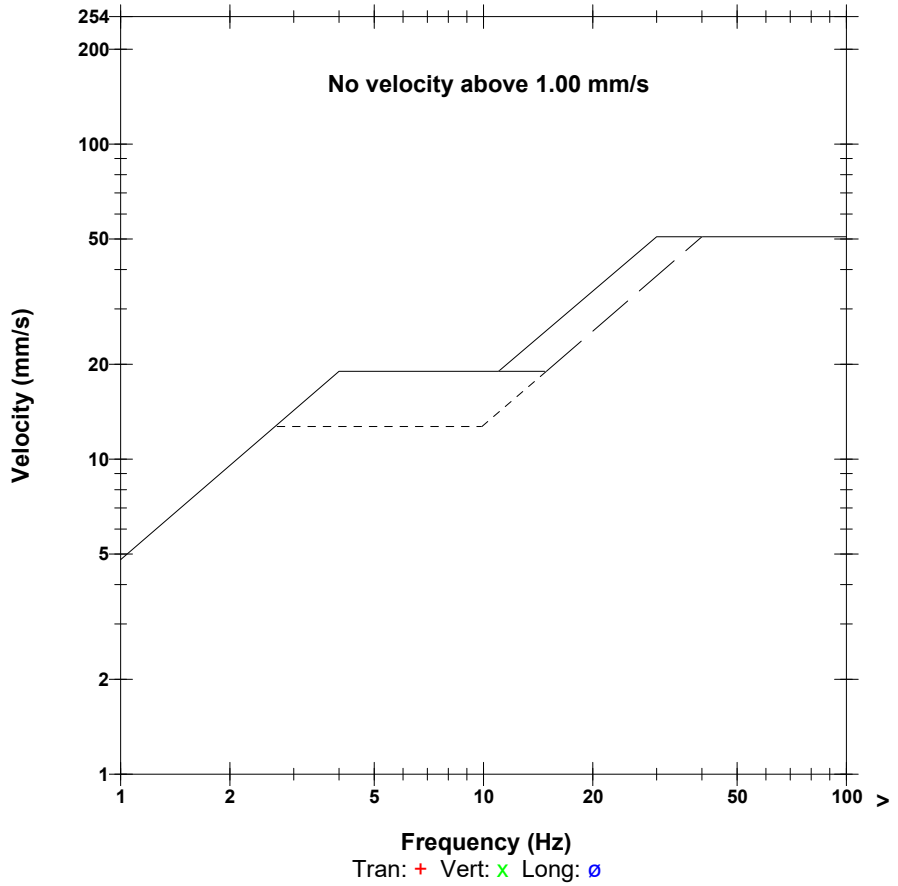
**Notes:** Location 2 (■) Keerrong Rd Blakebrook)

**Microphone** Linear Weighting  
**PSPL** 95.6 dB(L) at 1.896 sec  
**ZC Freq** 13.8 Hz  
**Channel Test** Check (Freq = 0.0 Hz Amp = 0 mv )

	Tran	Vert	Long	
PPV	0.481	0.331	0.528	mm/s
ZC Freq	6.6	12.5	8.5	Hz
Time (Rel. to Trig)	0.593	-0.143	0.001	sec
Peak Acceleration	0.008	0.010	0.010	g
Peak Displacement	0.012	0.003	0.008	mm
Sensor Check	Check	Passed	Passed	
Frequency	7.5	7.5	7.5	Hz
Overswing Ratio	3.1	3.1	3.5	

**Peak Vector Sum** 0.552 mm/s at 0.001 sec

## USBM R18507 And OSMRE



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div  
**Trigger =** ▶ ◀

Sensor Check

**Date/Time** Tran at 14:26:27 June 17, 2024  
**Trigger Source** Geo: 0.127 mm/s  
**Range** Geo: 254.0 mm/s  
**Record Time** 3.0 sec at 2048 sps  
**Operator/Setup:** Operator/Default Micromate DIN.mmb

**Serial Number** UM10342 V 10-90GC Micromate DIN  
**Battery Level** 3.8 Volts  
**Unit Calibration** June 11, 2024 by Saros Int  
**File Name** UM10342\_20240617142627.IDFW

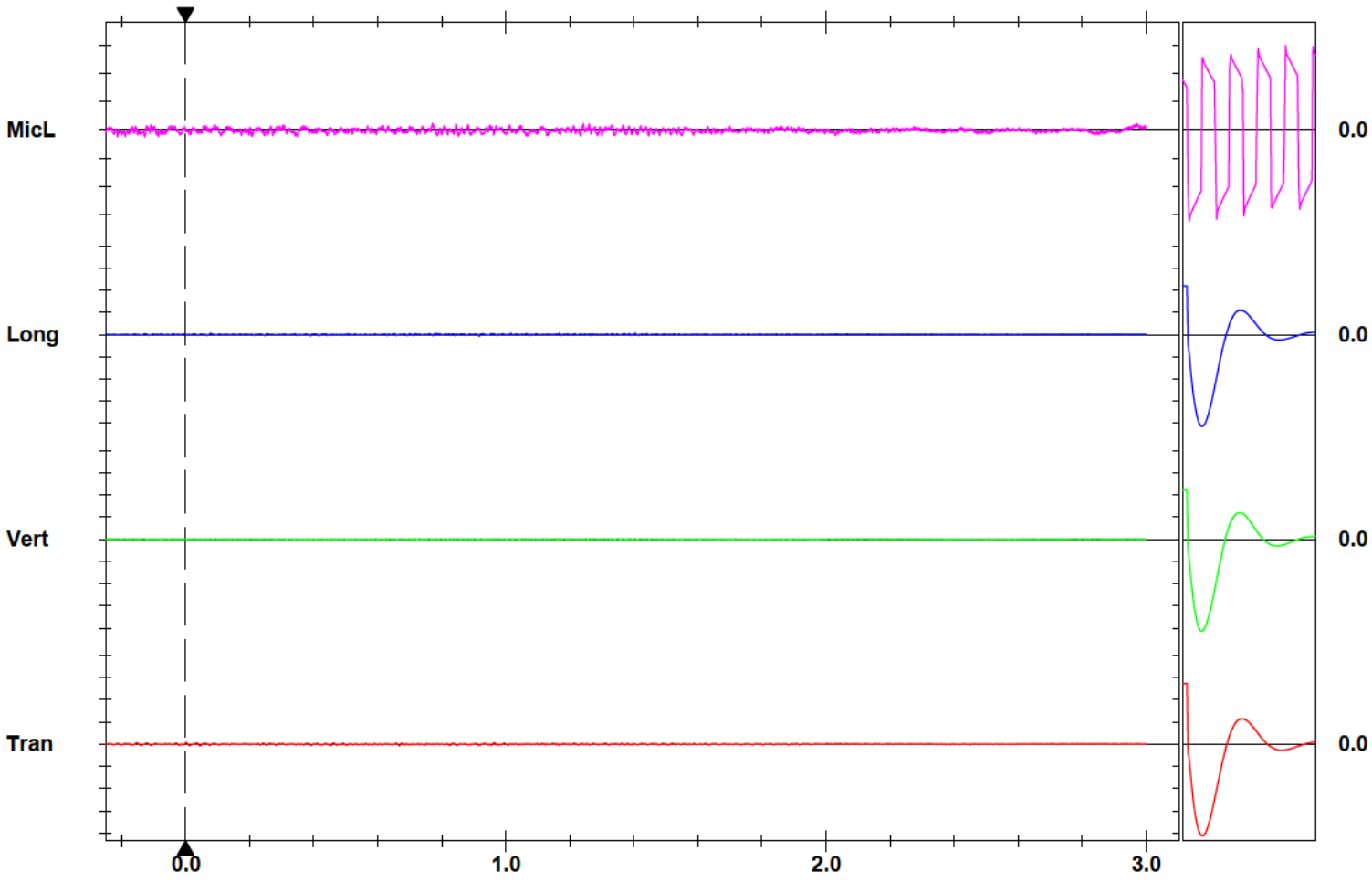
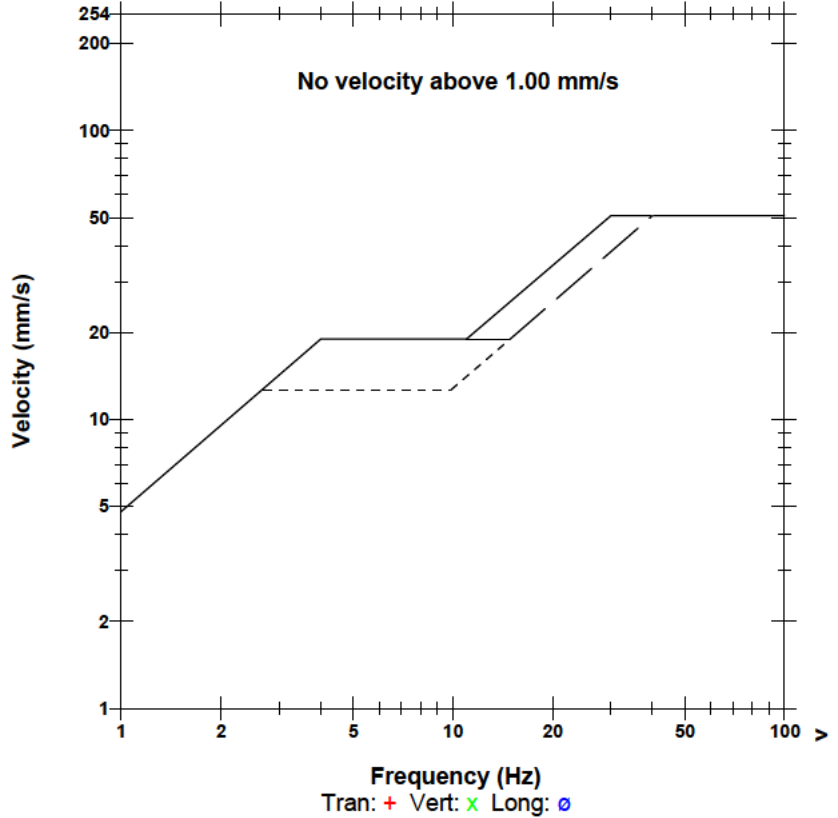
Notes: Additional Residence (Keerrong Rd Blakebrook)

**Microphone** Linear Weighting  
**PSPL** <88 dB(L)  
**ZC Freq** 22 Hz  
**Channel Test** Passed (Freq = 20.5 Hz Amp = 1502 mv)

	Tran	Vert	Long	
PPV	0.142	0.071	0.134	mm/s
ZC Freq	51	79	73	Hz
Time (Rel. to Trig)	0.002	1.263	0.917	sec
Peak Acceleration	0.010	0.008	0.010	g
Peak Displacement	0.000	0.000	0.000	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.5	7.3	Hz
Overswing Ratio	3.6	3.4	3.7	

**Peak Vector Sum** 0.145 mm/s at 0.002 sec  
**N/A: Not Applicable**

### USBM RI8507 And OSMRE



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div  
**Trigger** =

Sensor Check

**Date/Time** Tran at 14:28:05 June 17, 2024  
**Trigger Source** Geo: 0.510 mm/s  
**Range** Geo: 254.0 mm/s  
**Record Time** 3.0 sec at 1024 sps

**Serial Number** BA17309 V 10.72-8.17 BlastMate III  
**Battery Level** 6.3 Volts  
**Unit Calibration** November 13, 2023 by Saros Int.  
**File Name** \_\_TEMP.EVT

**Notes:** Location 4 ( ████ Boerie Creek Rd)

RON SOUTHON P/L  
General:

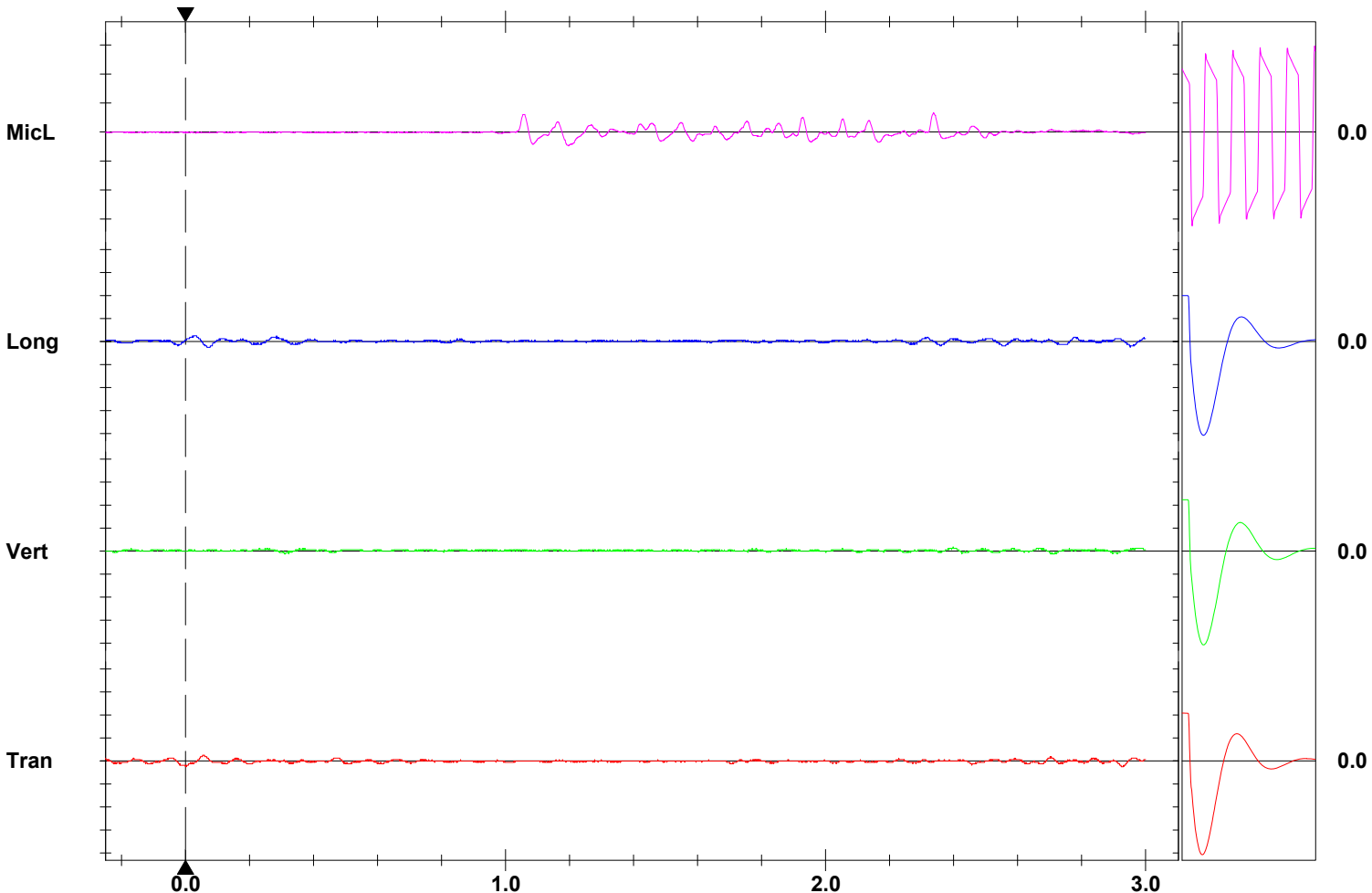
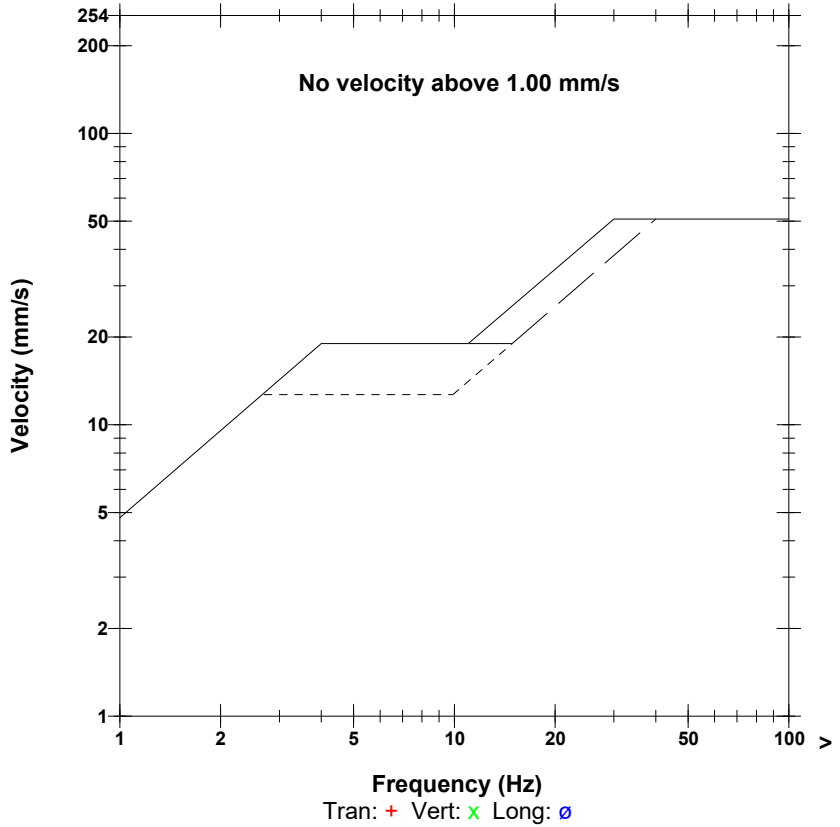
**Extended Notes**

**Microphone** Linear Weighting  
**PSPL** 110.6 dB(L) at 2.337 sec  
**ZC Freq** 16 Hz  
**Channel Test** Passed (Freq = 20.1 Hz Amp = 601 mv )

	Tran	Vert	Long	
PPV	0.508	0.381	0.508	mm/s
ZC Freq	13	30	11	Hz
Time (Rel. to Trig)	0.000	2.398	0.021	sec
Peak Acceleration	0.027	0.027	0.027	g
Peak Displacement	0.006	0.003	0.008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.9	7.4	7.2	Hz
Overswing Ratio	3.5	3.3	3.8	

**Peak Vector Sum** 0.582 mm/s at 0.056 sec

**USBM RI8507 And OSMRE**



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div  
**Trigger** =

Sensor Check

**Date/Time** Long at 14:28:54 June 17, 2024  
**Trigger Source** Geo: 0.500 mm/s, Mic: 110.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 3.0 sec at 1024 sps  
**Operator/Setup:** Operator/factory.MMB

**Serial Number** UM21716 V 10-90GC Micromate ISEE  
**Battery Level** 3.8 Volts  
**Unit Calibration** June 9, 2023 by InstanTel  
**File Name** UM21716\_20240617142854.IDFW

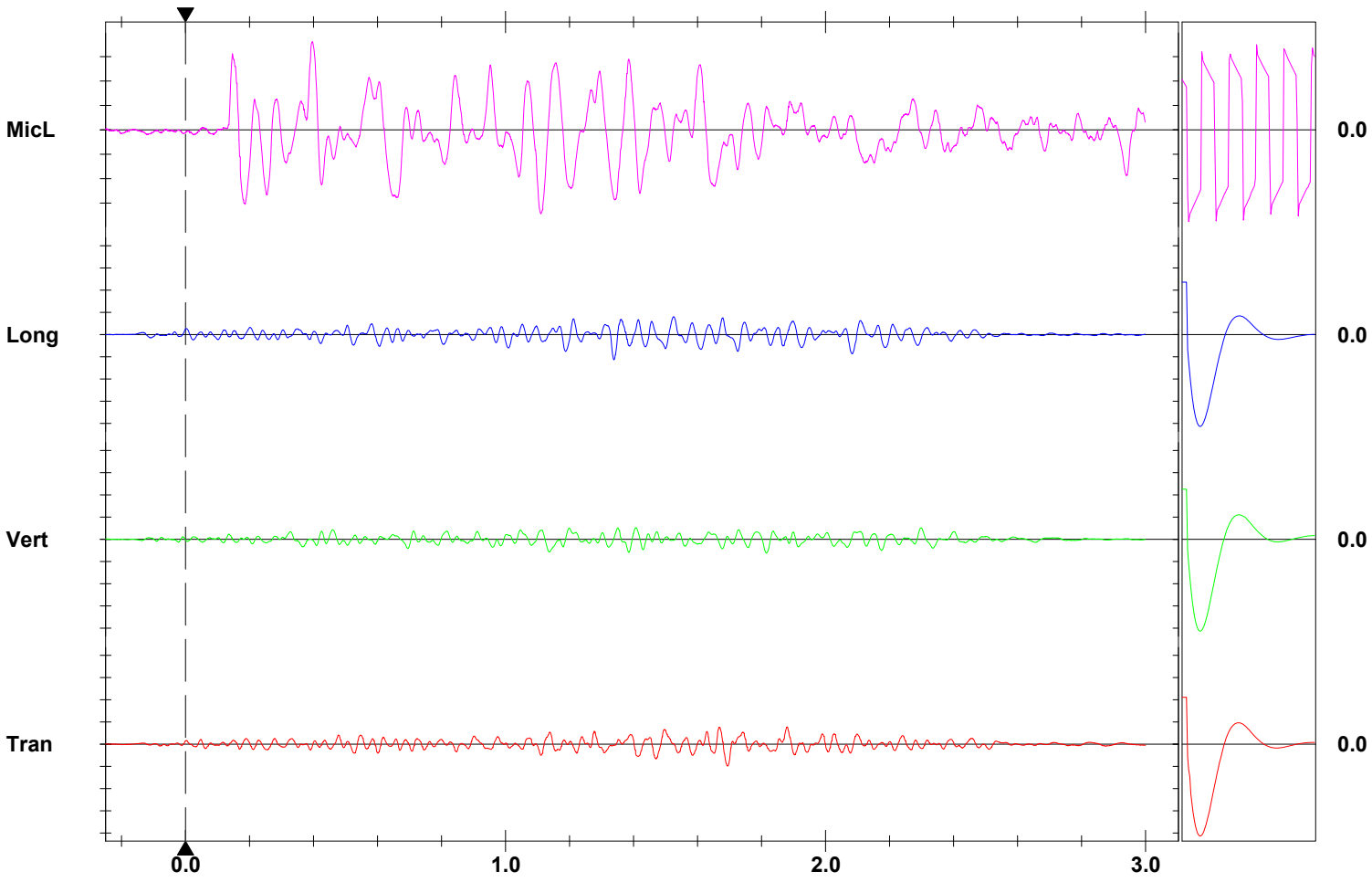
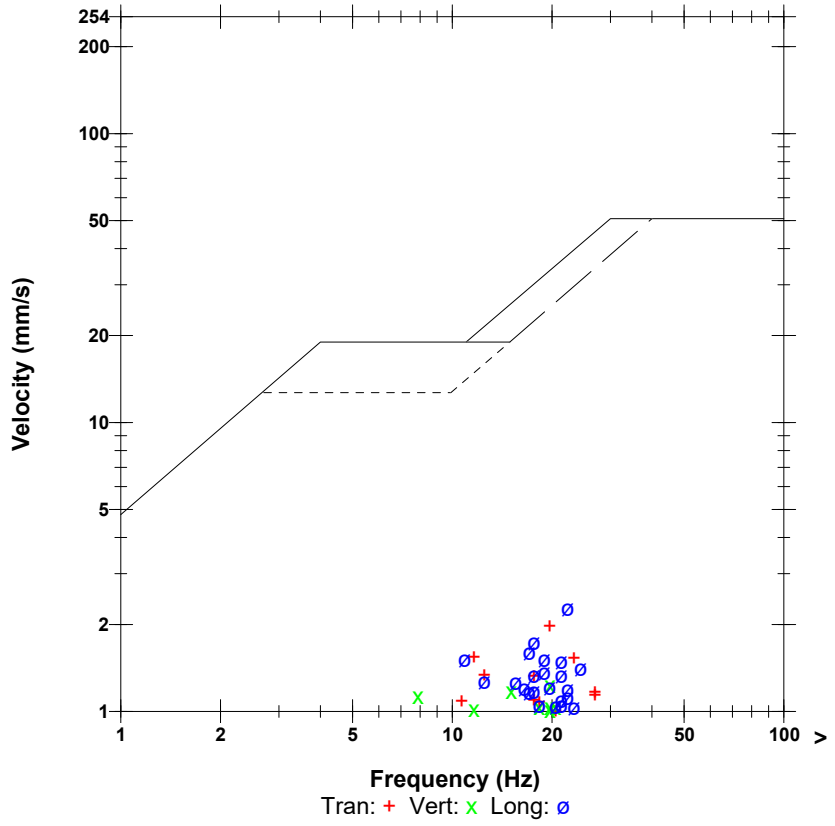
**Notes:** Location 8 (█ Nimbin Rd Blakebrook)

**Microphone** Linear Weighting  
**PSPL** 105.1 dB(L) at 0.396 sec  
**ZC Freq** 7.0 Hz  
**Channel Test** Passed (Freq = 20.5 Hz Amp = 1349 mv )

	Tran	Vert	Long	
PPV	1.978	1.237	2.278	mm/s
ZC Freq	20	20	22	Hz
Time (Rel. to Trig)	1.693	1.814	1.339	sec
Peak Acceleration	0.043	0.031	0.053	g
Peak Displacement	0.016	0.017	0.016	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.5	7.3	Hz
Overswing Ratio	4.3	3.7	4.9	

**Peak Vector Sum** 2.284 mm/s at 1.339 sec

## USBM RI8507 And OSMRE



**Time Scale:** 0.20 sec/div    **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div  
**Trigger =**

Sensor Check

## Results Summary Report

Customer	Blakebrook Quarry	
Date of blast	17/06/2024	
Time of blast	2.28pm	
Blast number	07	
Monitor Location	<b>Location 2</b> (████ Keerrong Rd Blakebrook)	
Monitor name/ model details:	InstanTEL Micromate	
Monitor Serial no	UM10341	
Time of recording/comments	14.29pm	
Calibration date	11-06-2024	
Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006.		Y
Airblast overpressure result (dB)	95.6dB(L)	
Ground vibration result (PPV)	0.552mm/s	
EPL limits	Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s	
Comments		

Monitor Location	<b>Location 4</b> (████ Booerie Creek Road Booerie Creek)	
Monitor name/ model details:	InstanTEL Blastmate III	
Monitor Serial no	BA17309	
Time of recording/comments	14.28pm	
Calibration date	14-11-2024	
Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006.		Y
Airblast overpressure result (dB)	110.6dB(L)	
Ground vibration result (PPV)	0.582mm/s	
EPL limits	Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s	
Comments		

Monitor Location	<b>Location 8-</b> (████ Nimbin Rd Blakebrook)	
Monitor name/ model details:	InstanTEL Minimate	
Monitor Serial no	UM21716	
Time of recording/comments	14.28pm	
Calibration date	09-06-2024	
Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006.		Y
Airblast overpressure result (dB)	105.1dB(L)	
Ground vibration result (PPV)	2.284mm/s	

EPL limits	Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s
Comments	

Monitor Location	<b>Additional residence</b> ( [REDACTED] Keerrong Rd)	
Monitor name/ model details:	InstanTel Minimate Plus	
Monitor Serial no	UM10342	
Time of recording/comments	14.26pm	
Calibration date	11-06-2024	
Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006.	Y	
Airblast overpressure result (dB)	<88dB(L)	
Ground vibration result (PPV)	0.145mm/s	
EPL limits	Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s	
Comments		

<b>Name:</b>	[REDACTED]	
<b>Signature:</b>	[REDACTED]	
<b>Position:</b>	Manager	<b>Date:</b> 17/06/2024

Figure 2: Noise & Blast Monitoring Locations Map

