

Date/Time Long at 13:04:53 February 1, 2017
Trigger Source Geo: 0.810 mm/s
Range Geo: 254 mm/s
Record Time 6.0 sec at 1024 sps
Notes

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
Battery Level 6.0 Volts
Unit Calibration May 6, 2015 by Saros (Int)
File Name O456GQUV.050

Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 17
 Monitor Location MP#1 [REDACTED] (nimbin RD)
 Monitored BY [REDACTED]

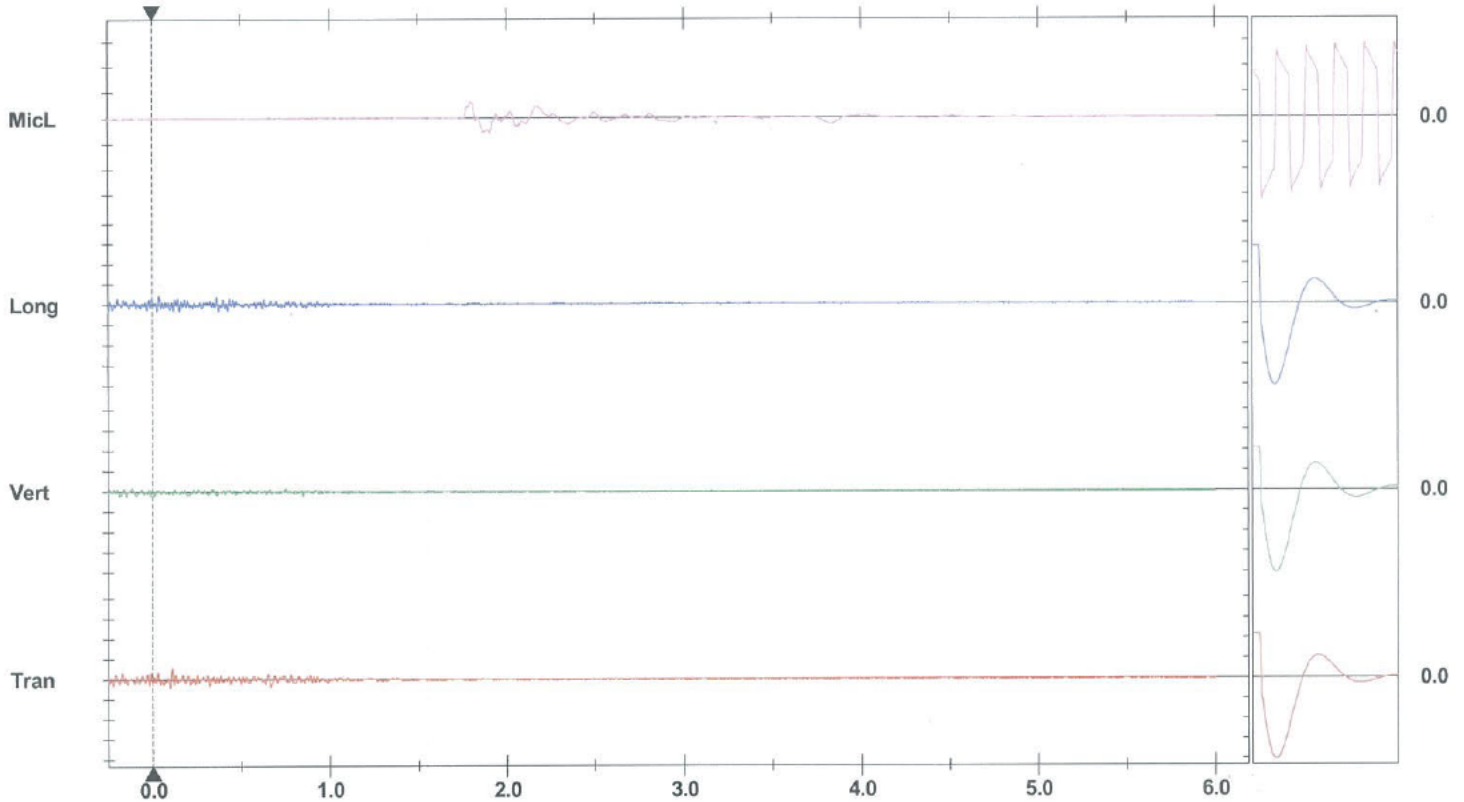
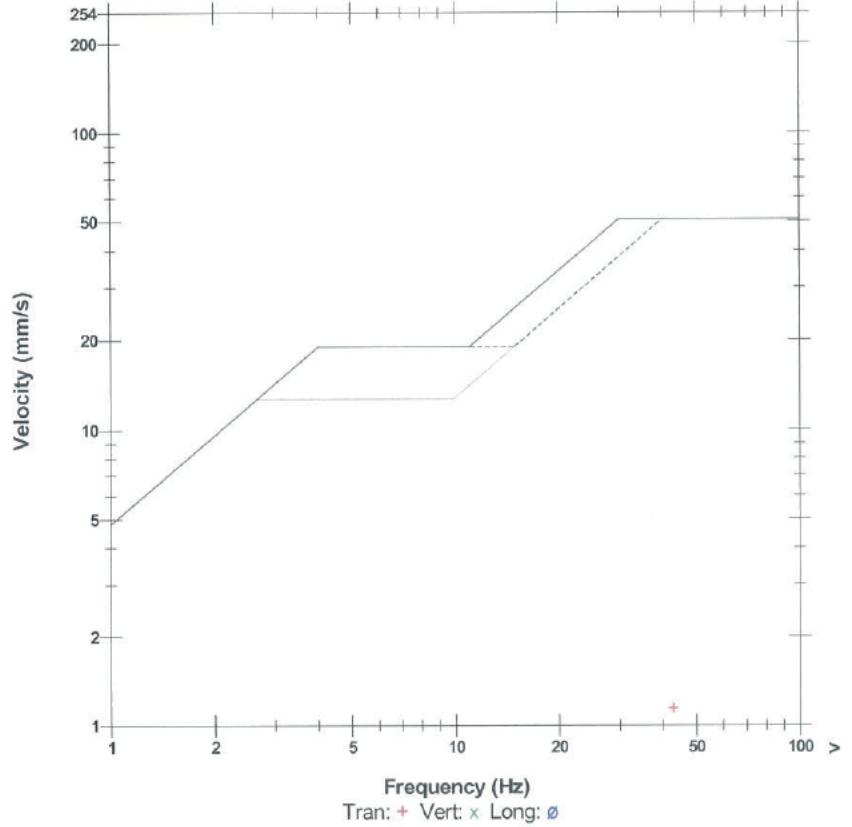
Extended Notes

Microphone Linear Weighting
PSPL 109.9 dB(L) 6.25 pa.(L) at 1.797 sec
ZC Freq 8.8 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 454 mv)

	Tran	Vert	Long	
PPV	1.14	0.508	0.889	mm/s
ZC Freq	43	21	47	Hz
Time (Rel. to Trig)	0.110	-0.189	0.038	sec
Peak Acceleration	0.0265	0.0265	0.0265	g
Peak Displacement	0.00484	0.00415	0.00310	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.4	7.6	Hz
Overswing Ratio	3.8	3.2	3.6	

Peak Vector Sum 1.18 mm/s at 0.110 sec

USBM R18507 And OSMRE



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 13:04:53 February 1, 2017
Trigger Source Geo: 0.810 mm/s
Range Geo: 254 mm/s
Record Time 6.0 sec at 1024 sps
Notes

Serial Number BE13371 V 10.72-1.1 Minimate Blaster
Battery Level 6.2 Volts
Unit Calibration May 20, 2016 by Saros (Int)
File Name __TEMP.EVT
Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 17
 Monitor Location MP#2 [REDACTED] Boorie Creek RD)
 Monitored BY [REDACTED]

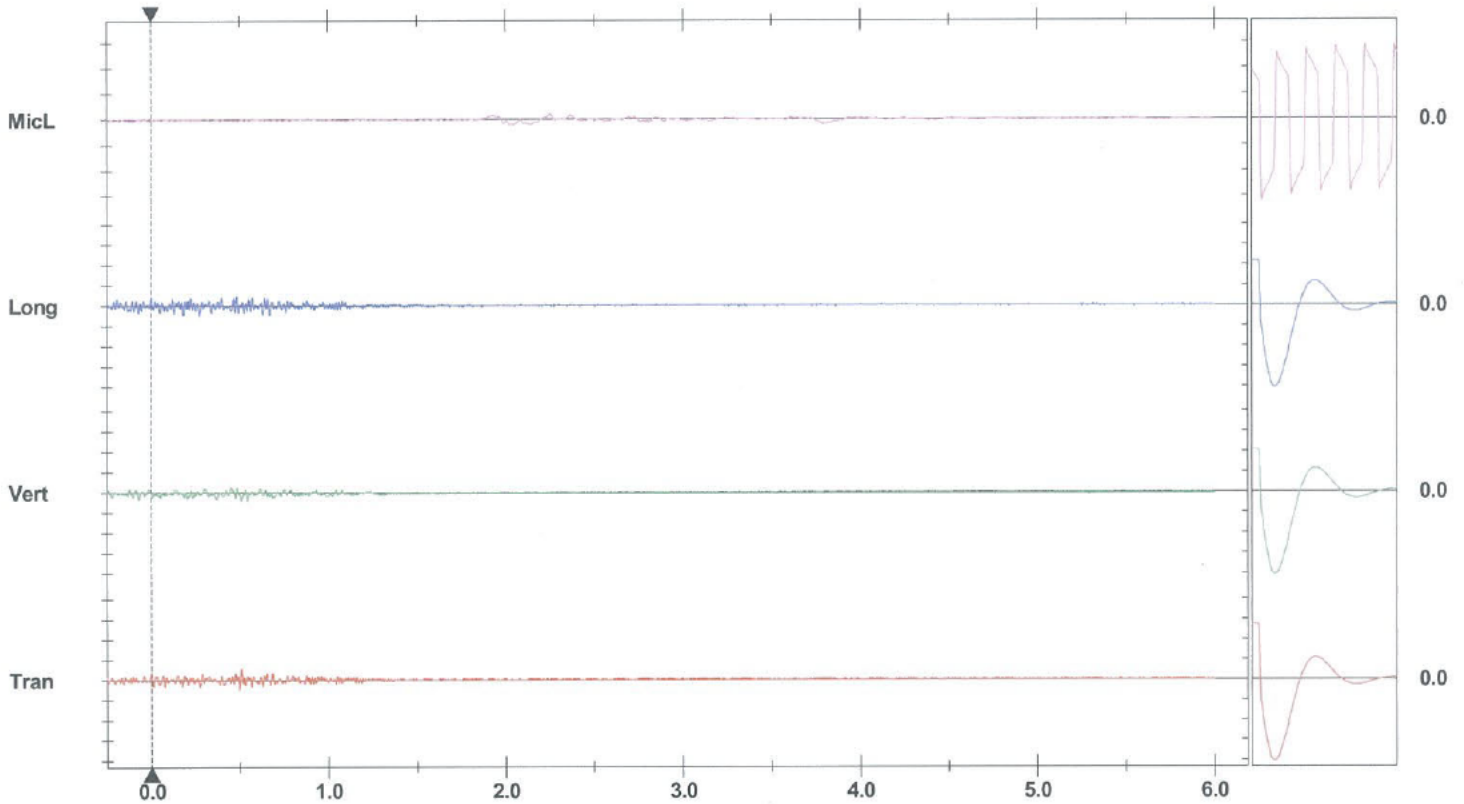
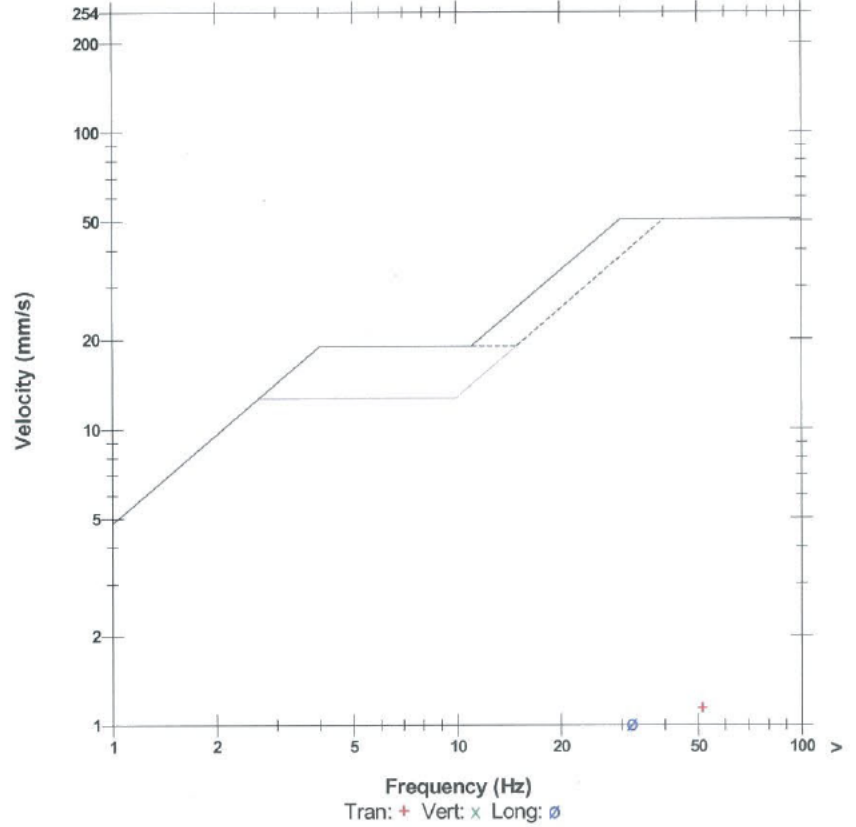
Extended Notes

Microphone Linear Weighting
PSPL 101.9 dB(L) 2.50 pa.(L) at 2.022 sec
ZC Freq 4.9 Hz
Channel Test Passed (Freq = 20.5 Hz Amp = 475 mv)

	Tran	Vert	Long	
PPV	1.14	0.762	1.02	mm/s
ZC Freq	51	30	32	Hz
Time (Rel. to Trig)	0.509	0.506	0.273	sec
Peak Acceleration	0.0398	0.0265	0.0265	g
Peak Displacement	0.00347	0.00502	0.00477	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.4	7.5	Hz
Overswing Ratio	3.8	3.5	3.5	

Peak Vector Sum 1.38 mm/s at 0.509 sec

USBM RI8507 And OSMRE



Time Scale: 0.50 sec/div **Amplitude Scale:** Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

BlakeBrook

Blast Number: BLA 18
Location: Main pit
Time: 13:11
Date: 23/03/2017
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:... This monitor was approximately from
from the Blast. Donnelly blasting services advises that the
Blast Vibration Was lower than the trigger level
of 0.51mm/s and that the blast over pressure was less
less than the trigger level of 110 dBL

Monitor Log

Display All

Search Now Between [23/03/2017] And [23/02/2017] 0 logs in the list

Start Time	End Time	Status
Feb 23 17 13:20:05		SERIAL NUMBER: BE13456
Feb 23 17 16:01:29	Feb 23 17 16:01:45	Start Monitoring Trigger Level: Gen: 0.510 mm/s
Feb 23 17 18:01:45	Feb 23 17 18:02:01	Event recorded: Trigger Level: Gen: 0.510 mm/s
		No events recorded: (No Heard) End: Gen: 0.510 mm/s

Close Print

InstanTel Minimate Blaster Serial Number BE13456
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 18
Location: Main Pit
Time: 13:11
Date: 23/03/2017
Monitor Location: [REDACTED] Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 500m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log

Display All

Search Now Between [23/03/2017] And [23/03/2017] © Total 0: 0:00:00

Start Time	End Time	STATUS
Feb 23 17 13:38:52		SERIAL NUMBER: BE13371
Feb 23 17 13:39:04	Feb 23 17 13:39:04	Start Monitoring Trigger Level: Geop: 0.510 mm/s
Feb 23 17 13:39:04	Feb 23 17 14:01:12	Event recorded Trigger Level: Geop: 0.510 mm/s
Feb 23 17 14:01:12		No events recorded (New Board) Geop: 0.510 mm/s
Feb 23 17 14:01:12		Start Monitoring Trigger Level: Geop: 0.510 mm/s
Feb 23 17 14:01:12	Feb 23 17 14:02:01	Event recorded Trigger Level: Geop: 0.510 mm/s
Feb 23 17 14:02:01		Start Monitoring Trigger Level: Geop: 0.510 mm/s
Feb 23 17 14:02:01	Feb 23 17 14:02:42	Event recorded Trigger Level: Geop: 0.510 mm/s
Feb 23 17 14:02:42	Feb 23 17 14:03:00	No events recorded (Keyboard) Geop: 0.510 mm/s

Close Print

InstanTel Minimate Blaster Serial Number
next Calibration due

BE13371
20-May-17

* Monitor log Shows No Event trigger at time of blast

MARCH

Date/Time Long at 13:11:00 February 23, 2017
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 6.2 Volts
 Unit Calibration March 4, 2016 by Saros (Int)
 File Name N705GRZT.UR0

Post Event Notes
 Customer Site Blake Brook
 Blast ID BLA 18
 Monitor Location MP#3 [REDACTED] Nimbin Rd
 Monitored by [REDACTED]

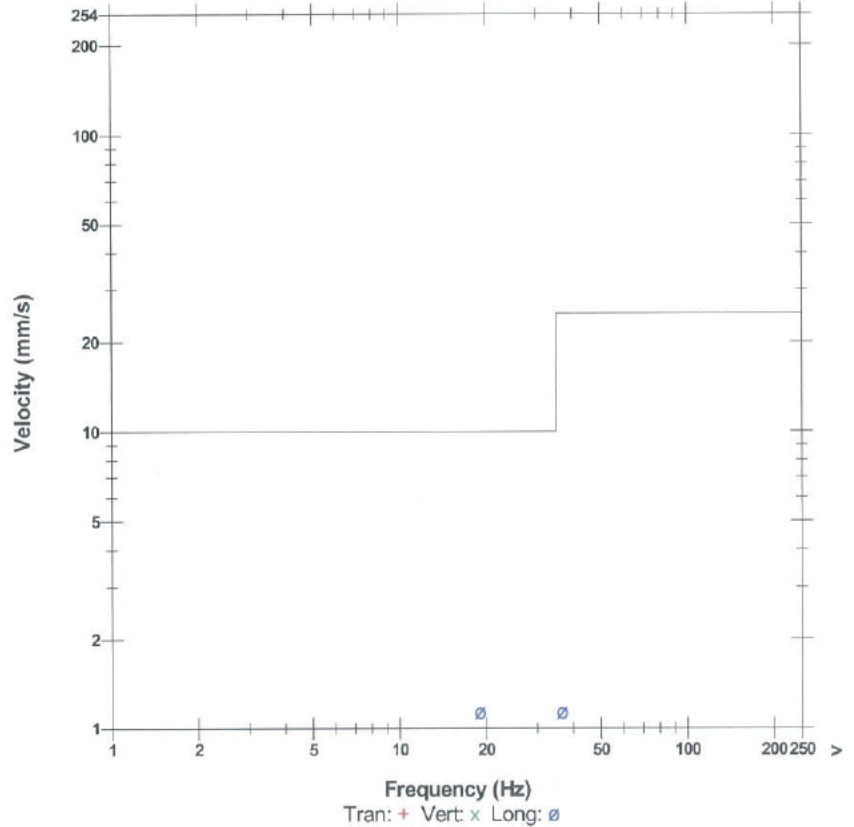
Extended Notes

Microphone Linear Weighting
 PSPL 109.5 dB(L) at 2.299 sec
 ZC Freq 3.8 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 519 mv)

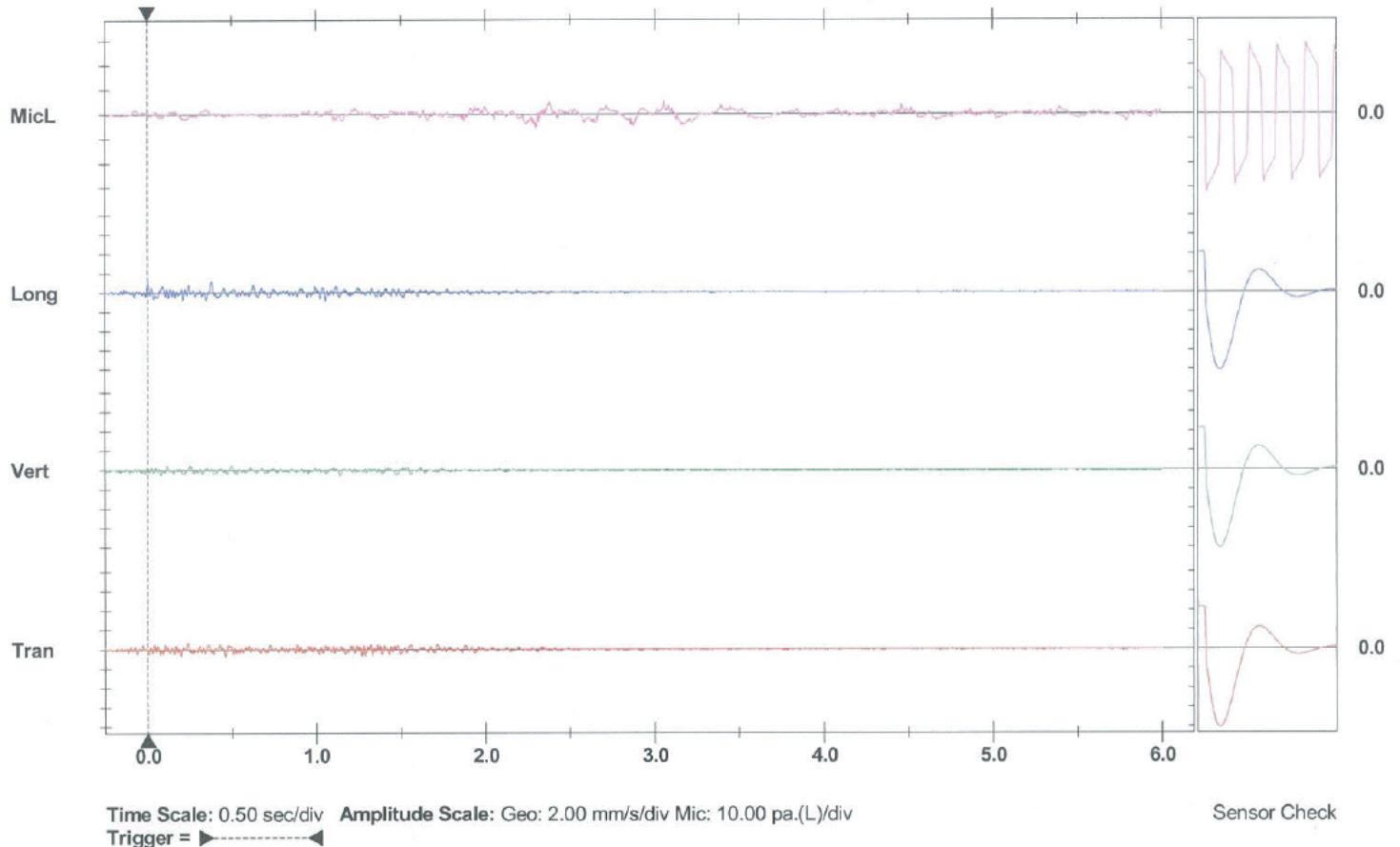
	Tran	Vert	Long	
PPV	0.762	0.635	1.14	mm/s
ZC Freq	32	26	37	Hz
Time (Rel. to Trig)	0.461	1.139	0.004	sec
Peak Acceleration	0.0398	0.0133	0.0265	g
Peak Displacement	0.00453	0.00527	0.00943	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.3	Hz
Overswing Ratio	3.7	3.4	3.7	

Peak Vector Sum 1.23 mm/s at 0.004 sec

QLD APP Standard



Whole?



BlakeBrook

Blast Number: BLA21 BLA22
Location: Main pit
Time: 11.45
Date: 24/04/2017
Monitor Location: [REDACTED] Nimbin Road
Weather: O/cast

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.81 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from
from the Blast. Donnelly blasting services advises that the
Blast Vibration Was lower than the trigger level
of 0.81mm/s and that the blast over pressure was less
less than the trigger level of 110 dBL

Start Time	End Time	Status
Apr 20 /17 11:03:00		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:11:03	Apr 20 /17 11:11:09	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:11:09		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:24:01	Apr 20 /17 11:24:07	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:24:07		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:27:43	Apr 20 /17 11:27:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:27:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:29:52	Apr 20 /17 11:29:59	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:29:59		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:34:43	Apr 20 /17 11:34:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:34:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:46:21	Apr 20 /17 11:46:27	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:46:27		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:53:56	Apr 20 /17 11:54:02	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:54:02	Apr 20 /17 11:57:13	No events recorded. (Keyboard Exit) Geo: 0.810 mm/s

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 21 / BLA22
Location: Main Pit
Time: 11.45
Date: 24/04/2017
Monitor Location: [REDACTED] Nimbin Rd
Weather: o/cast

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.81 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 500m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.81mm/s and that the blast over pressure was less less than the trigger level of 110 dBL

Start Time	End Time	Status
Apr 20 /17 11:03:08		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:11:03	Apr 20 /17 11:11:09	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:11:09		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:24:01	Apr 20 /17 11:24:07	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:24:07		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:27:43	Apr 20 /17 11:27:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:27:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:29:52	Apr 20 /17 11:29:59	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:29:59		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:34:43	Apr 20 /17 11:34:49	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:34:49		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:46:21	Apr 20 /17 11:46:27	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:46:27		Start Monitoring Trigger Level: Geo: 0.810 mm/s
Apr 20 /17 11:53:56	Apr 20 /17 11:54:02	Event recorded. Trigger Level Vert: 0.810 mm/s
Apr 20 /17 11:54:02	Apr 20 /17 11:57:13	No events recorded. (Keyboard Exit) Geo: 0.810 mm/s

Instantel Minimate Blaster Serial Number BE13371
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

Date/Time Vert at 12:32:08 May 25, 2017
Trigger Source Geo: 0.810 mm/s
Range Geo: 254 mm/s
Record Time 6.0 sec at 1024 sps
Notes

Serial Number BE13456 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration May 6, 2015 by Saros (Int)
File Name O456GWO2.TK0

Post Event Notes
Customer Site BlakeBrook
Blast ID BLA 23
Monitor Location #3 [REDACTED] Nimbin RD)
Monitored By [REDACTED]

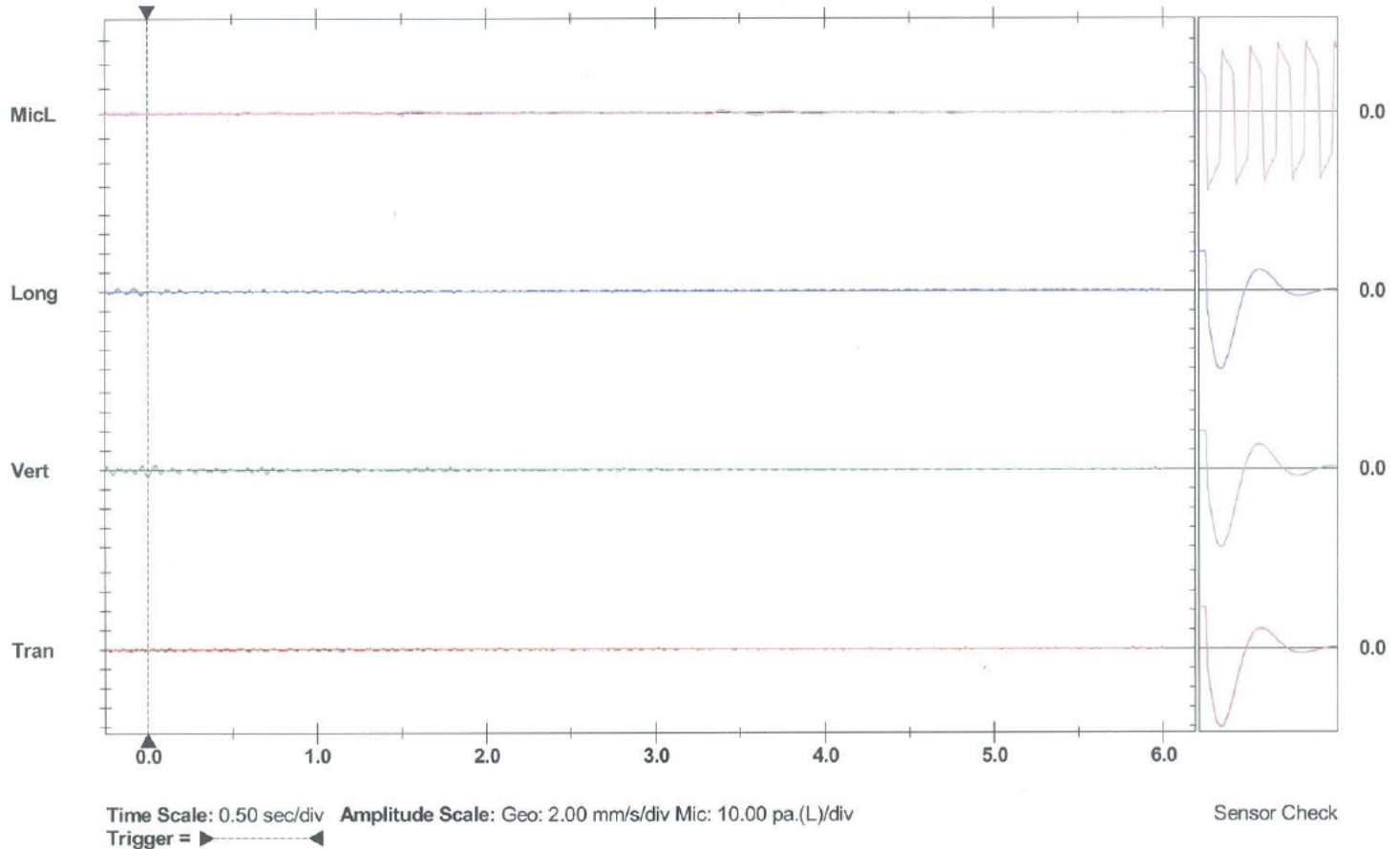
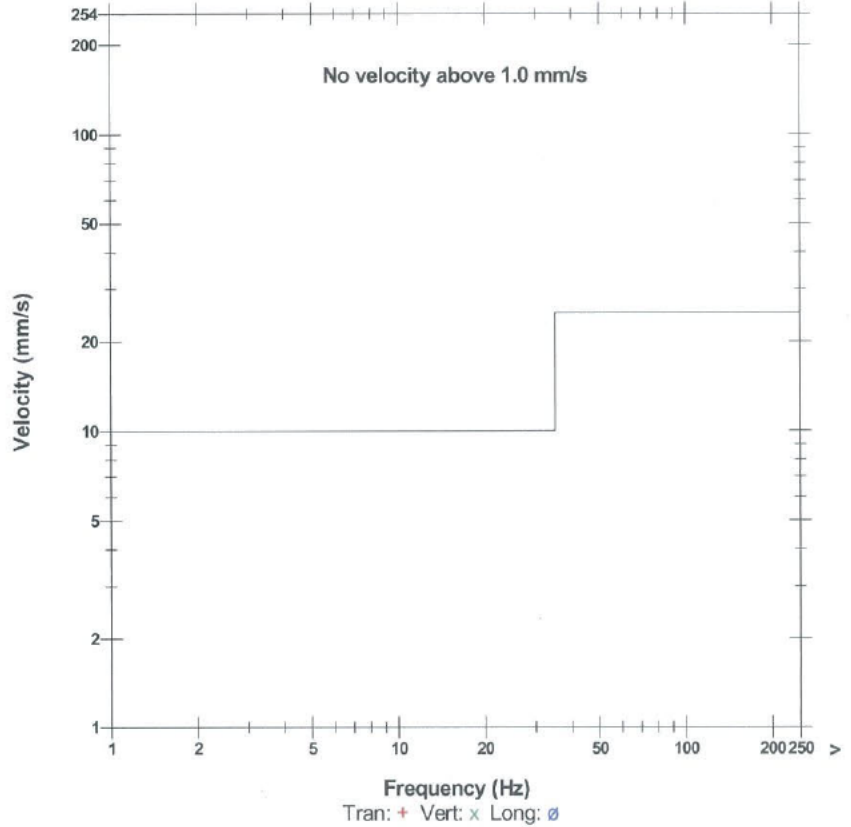
Extended Notes

Microphone Linear Weighting
PSPL 98.8 dB(L) at 1.510 sec
ZC Freq 21 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 620 mv)

	Tran	Vert	Long	
PPV	0.254	0.762	0.381	mm/s
ZC Freq	>100	16	24	Hz
Time (Rel. to Trig)	-0.226	0.000	-0.180	sec
Peak Acceleration	0.0133	0.0265	0.0133	g
Peak Displacement	0.00112	0.00819	0.00490	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.1	7.5	7.3	Hz
Overswing Ratio	4.0	3.3	3.8	

Peak Vector Sum 0.773 mm/s at 0.000 sec

QLD APP Standard



Blake Brook

Blast Number: BLA 23
Location: Main Pit
Time: 13:32 08
Date: 25/05/2017
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately 1200m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log

Display All

Search Now Between: [25/05/2017] And [25/05/2017] 1 Page of the Log

Start Time	End Time	Status
May 25 (17) 12:15:20	May 25 (17) 12:20:20	SERIAL NUMBER: BE12705 No events recorded. (Keyboard Exit) (Help) (0:010 mins)

Close Print

InstanTel Minimate Blaster Serial Number BE12705
next Calibration due 4-Mar-17

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 23
Location: Main Pit
Time: 13:02 08
Date: 25/05/2017
Monitor Location: [REDACTED] Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 680m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log

Display All

Search Now Between 25/05/2017 And 25/05/2017 1 Page in the list

Start Time	End Time	Status
May 25 '17 11:58:05	May 25 '17 12:45:27	SERIAL NUMBER: BE13371 No events recorded (Keyboard Exit) Gas: 0.512 mm/s

Close Print

InstanTel Minimate Blaster Serial Number BE13371
next Calibration due 20-May-17

* Monitor log Shows No Event trigger at time of blast

Date/Time Tran at 13:32:55 July 13, 2017
 Trigger Source Geo: 0.810 mm/s, Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE13371 V 10.72:1:1 Minimate Blaster
 Battery Level 6.3 Volts
 Unit Calibration June 1, 2017 by Saras Int.
 File Name _TEMP EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location [Redacted] Nimbin Rd
 Monitored By [Redacted]

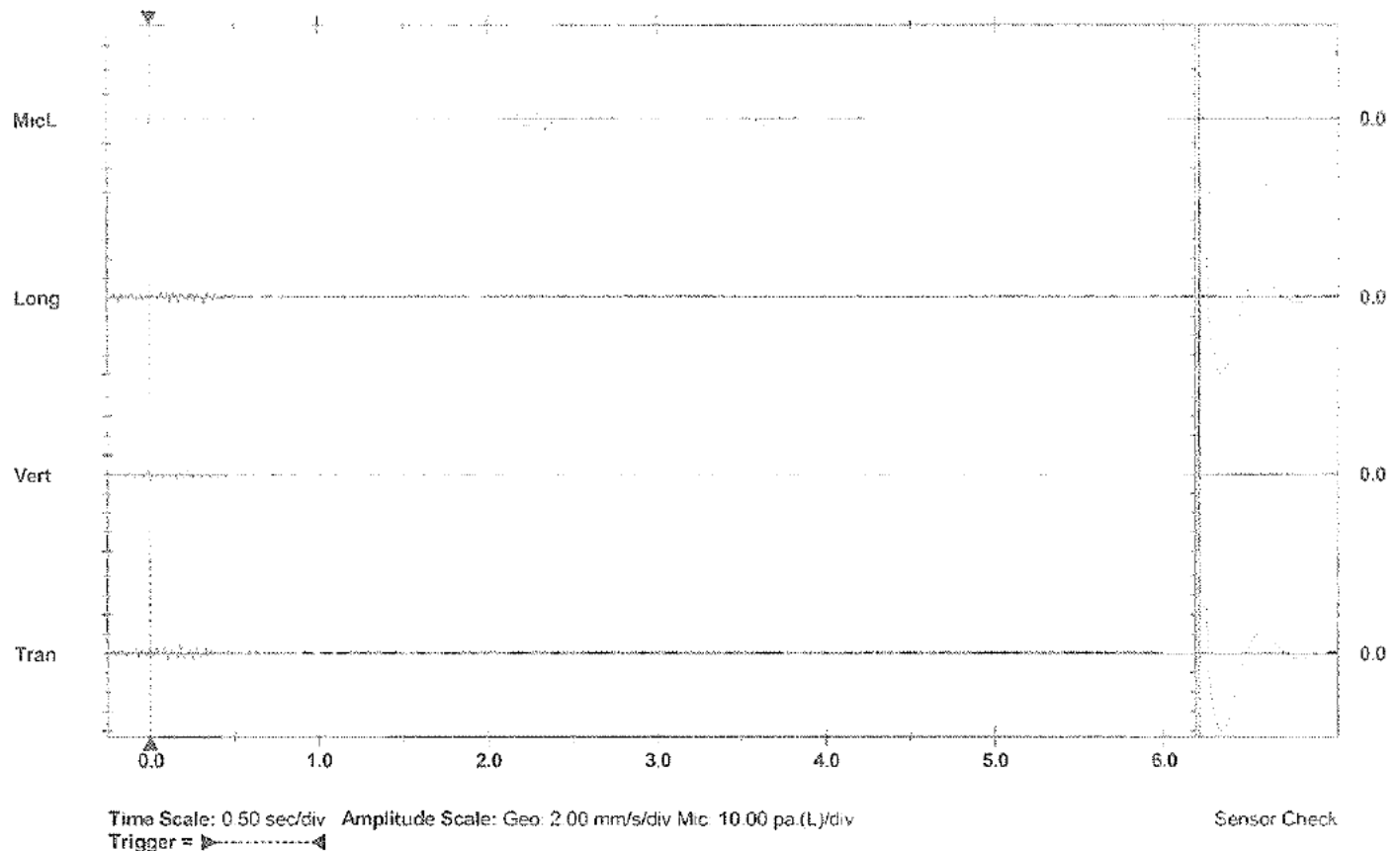
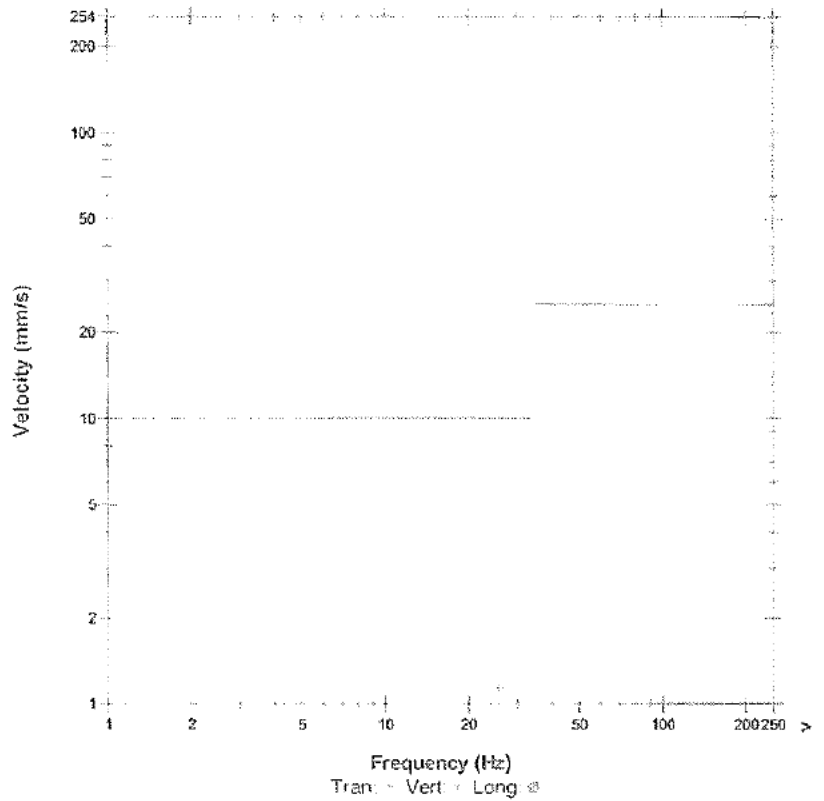
Extended Notes

Microphone Linear Weighting
 PSPL 107.5 dB(L) at 2.937 sec
 ZC Freq 3.6 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 579 mv)

	Tran	Vert	Long	
PPV	1.14	0.635	0.889	mm/s
ZC Freq	26	30	30	Hz
Time (Rel. to Trig)	0.182	0.201	0.319	sec
Peak Acceleration	0.0265	0.0265	0.0265	g
Peak Displacement	0.00657	0.00415	0.00428	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.5	Hz
Overswing Ratio	4.0	3.6	3.6	

Peak Vector Sum 1.20 mm/s at 0.182 sec

QLD APP Standard



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa(L)/div
 Trigger = >-----<

Date/Time Tran at 13:32:25 July 13, 2017
 Trigger Source Geo: 0.810 mm/s, Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 6.1 Volts
 Unit Calibration April 10, 2017 by Saros (Int)
 File Name __TEMP.EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location [REDACTED] Boorie Creek RD
 Monitored By [REDACTED]

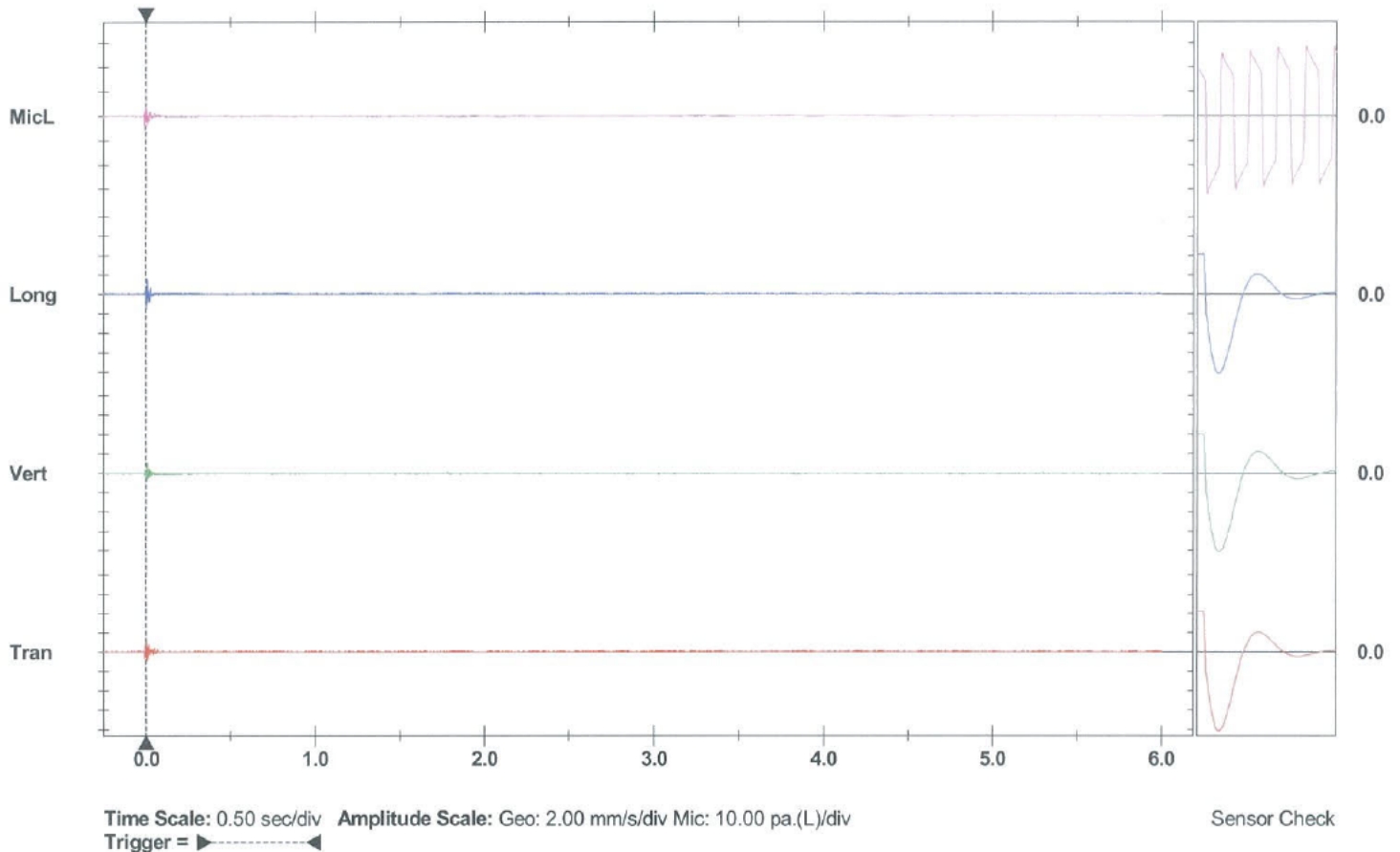
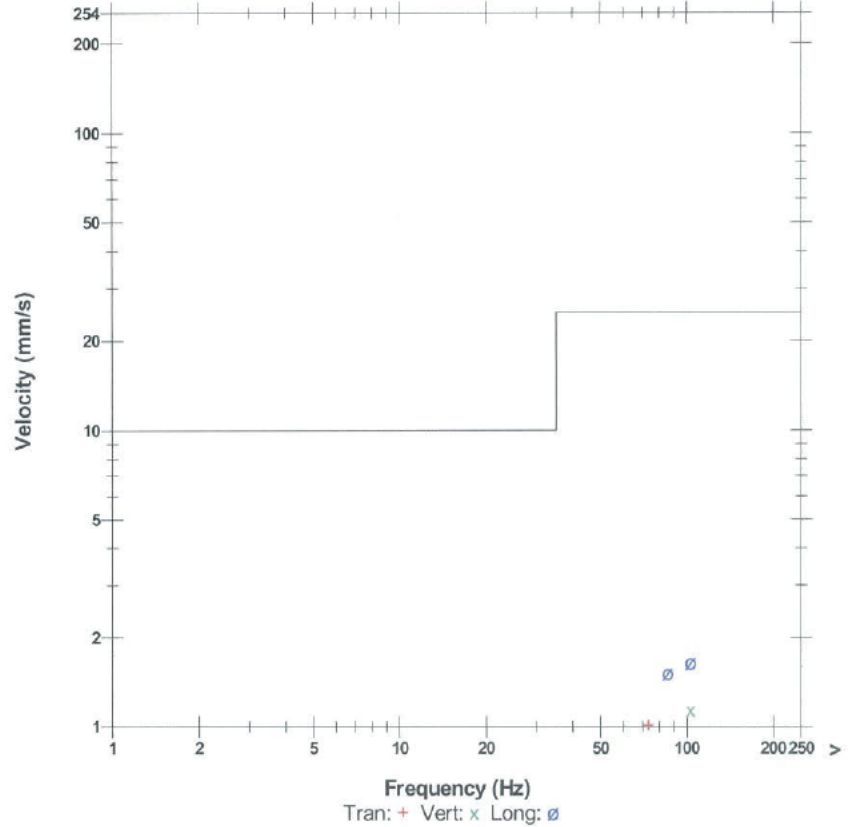
Extended Notes

Microphone Linear Weighting
 PSPL 109.5 dB(L) at -0.005 sec
 ZC Freq >100 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 596 mv)

	Tran	Vert	Long	
PPV	1.02	1.14	1.65	mm/s
ZC Freq	73	>100	>100	Hz
Time (Rel. to Trig)	0.001	0.010	0.010	sec
Peak Acceleration	0.0663	0.0795	0.106	g
Peak Displacement	0.00229	0.00167	0.00248	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.3	7.4	7.5	Hz
Overswing Ratio	4.0	3.7	3.9	

Peak Vector Sum 2.04 mm/s at 0.010 sec

QLD APP Standard



Date/Time Long at 13:32:57 July 13, 2017
 Trigger Source Geo: 0.610 mm/s Mic: 110 dB(L)
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE 10456 v 10.72-1.1 Miniare Blaster
 Battery Level 6.2 Volts
 Unit Calibration June 1, 2017 by Saros lat
 File Name ___TEMP.EVT
 Post Event Notes
 Customer Site BlakeBrook
 Blast ID BLA 25
 Monitor Location [Redacted] Nambin Rd
 Monitored By [Redacted]

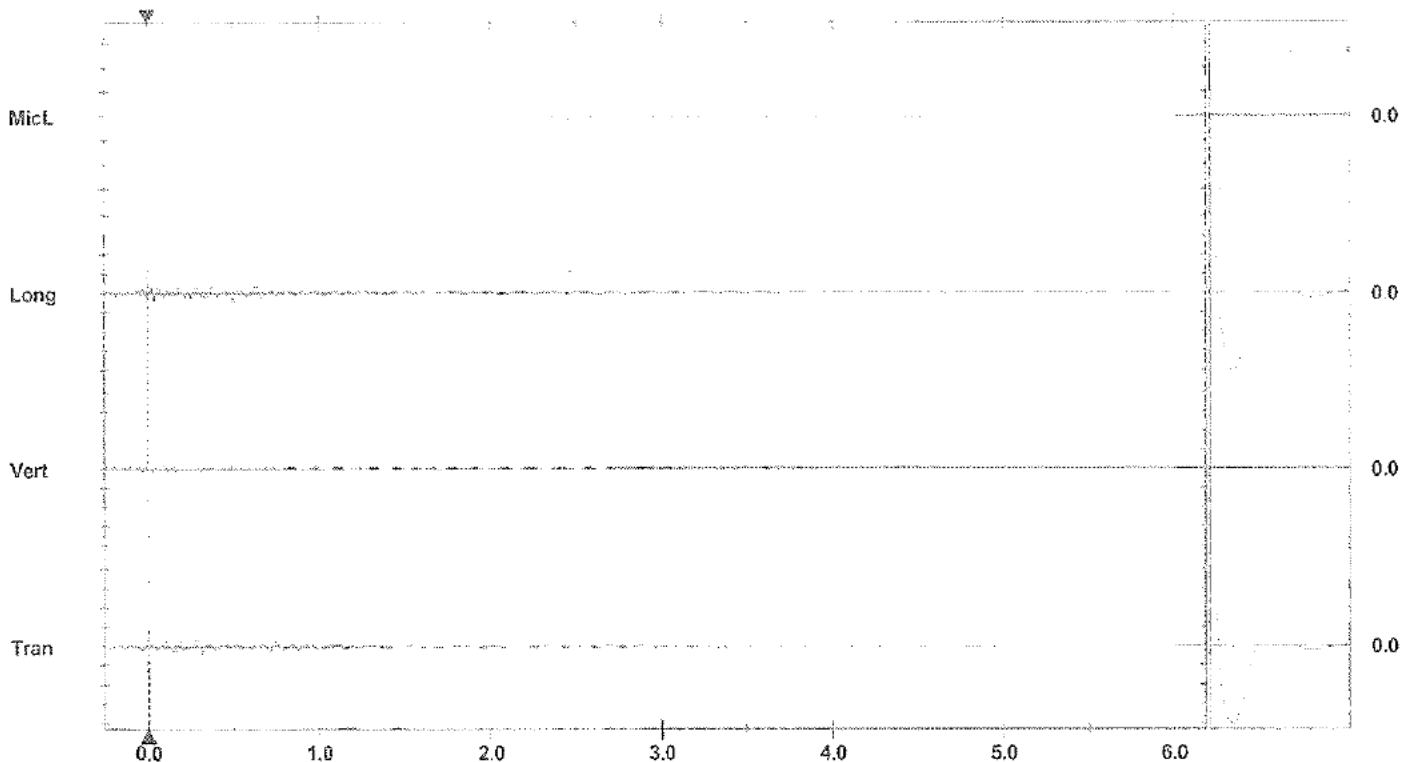
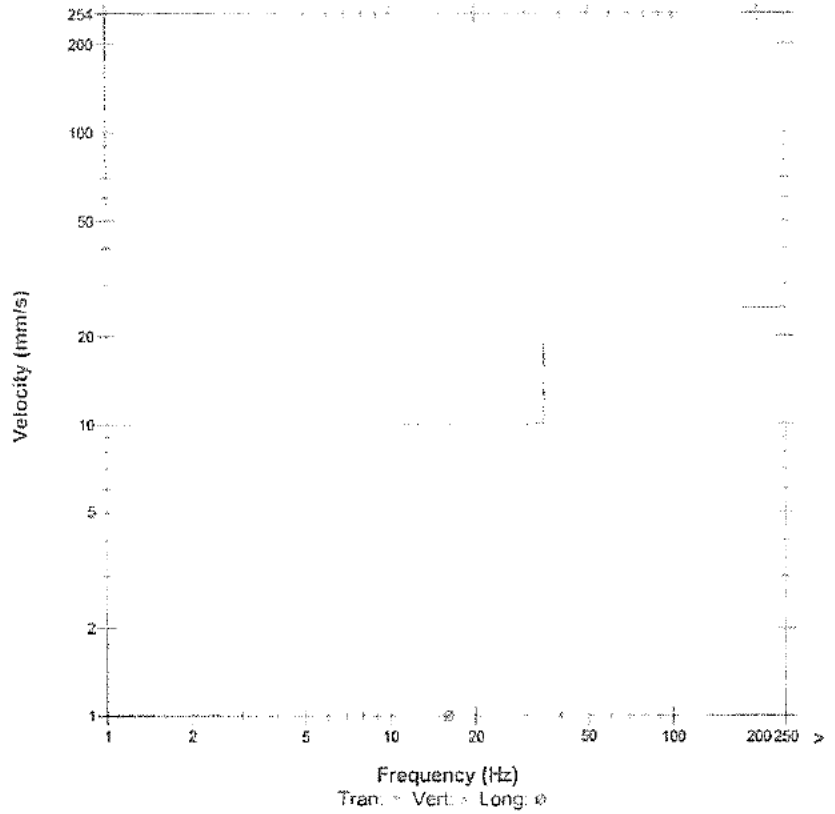
Extended Notes

Microphone Linear Weighting
 PSPL *106.5 dB(L) at 2.641 sec
 ZC Freq 6.5 Hz
 Channel Test Passed (Freq = 20.5 Hz Amp = 579 mv)

	Tran	Vert	Long	
PPV	0.889	0.635	1.02	mm/s
ZC Freq	27	26	16	Hz
Time (Rel. to Trig)	0.185	0.097	0.497	sec
Peak Acceleration	0.0133	0.0133	0.0265	g
Peak Displacement	0.0115	0.00490	0.0117	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.2	7.5	7.3	Hz
Overswing Ratio	3.9	3.3	3.8	

Peak Vector Sum - 1.10 mm/s at 0.274 sec

QLD APP Standard



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa (L)/div
 Trigger = ▶◀

Sensor Check

Blakebrook

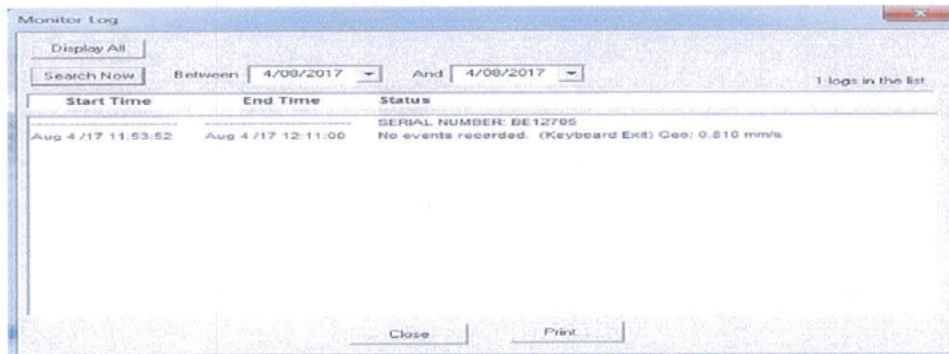
Blast Number: BLA 26
Location: Main Pit
Time: 12:06 49
Date: 4/08/2017
Monitor Location: [REDACTED] Nimbin Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 1100m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less less than the trigger level of 110 dBL



Instantel Minimate Blaster Serial Number BE12705
next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 26
Location: Main Pit
Time: 12:06
Date: 4/08/2017
Monitor Location: [REDACTED] Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 800m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less less than the trigger level of 110 dBL.

Monitor Log 2/2

Display All

Search Now Between 4/08/2017 And 4/08/2017 1 logs in the list

Start Time	End Time	Status
Apr 4 17 14 35:00	Apr 4 17 12 29:35	No events recorded. (Keyboard Esc) Geo 0.0 to max

Close Print

InstanTel Minimate Blaster Serial Number BE13371
next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 26
Location: Main pit
Time: 12:06
Date: 4/08/2017
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately 850m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log

Start Time	End Time	Status
Aug 4 12:11:20	Aug 4 12:11:20	Serial Number: BE13456
Aug 4 12:11:22:45	Aug 4 12:11:22:45	Start Monitoring Trigger Level: 0.510 mm/s
Aug 4 12:11:22:55	Aug 4 12:11:22:55	Event recorded: Trigger Level: 0.510 mm/s
Aug 4 12:12:02:54	Aug 4 12:12:02:54	Start Monitoring Trigger Level: 0.510 mm/s
Aug 4 12:12:04:00	Aug 4 12:12:04:00	Event recorded: Trigger Level: 0.510 mm/s
Aug 4 12:12:04:00	Aug 4 12:12:04:00	Start Monitoring Trigger Level: 0.510 mm/s
Aug 4 12:12:20:47	Aug 4 12:12:20:47	Event recorded: Trigger Level: 0.510 mm/s
Aug 4 12:12:20:50	Aug 4 12:12:20:50	Start Monitoring Trigger Level: 0.510 mm/s
Aug 4 12:12:40:01	Aug 4 12:12:40:01	Event recorded: Trigger Level: 0.510 mm/s

Close Print

InstanTel Minimata Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 27
Location: Main pit
Time: 13:57:49 PM
Date: 9/10/2017
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 840m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Monitor Log - Minimate Blaster # BE13456-Compliance

2/4

Start Time	End Time	Status
SERIAL NUMBER: BE13456		
Oct 9 /17 13:54:07		Start Monitoring Trigger Level Geop: 0.510 mm/s Mic: 110.0 dBL()
Oct 9 /17 14:01:03	Oct 9 /17 14:01:09	Event recorded Trigger Level Long: 0.510 mm/s
Oct 9 /17 14:01:09		Start Monitoring Trigger Level Geop: 0.510 mm/s Mic: 110.0 dBL()
Oct 9 /17 14:01:11	Oct 9 /17 14:01:13	Event recorded (Keyboard Exit) Trigger Level Vari: 0.510 mm/s
Oct 9 /17 14:56:01	Oct 9 /17 15:10:25	No events recorded (Keyboard Exit) Geop: 0.510 mm/s Mic: 110.0 dBL()

Instantel Minimate Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast

Date/Time Long at 13:57:46 October 9, 2017
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE13371 V 10.72-1.1 Minimate Blaster
 Battery Level 6.3 Volts
 Unit Calibration June 1, 2017 by Saros Int.
 File Name __TEMP.EVT
 Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 27
 Monitor Location [REDACTED] Nimbin RD
 Monitored By [REDACTED]

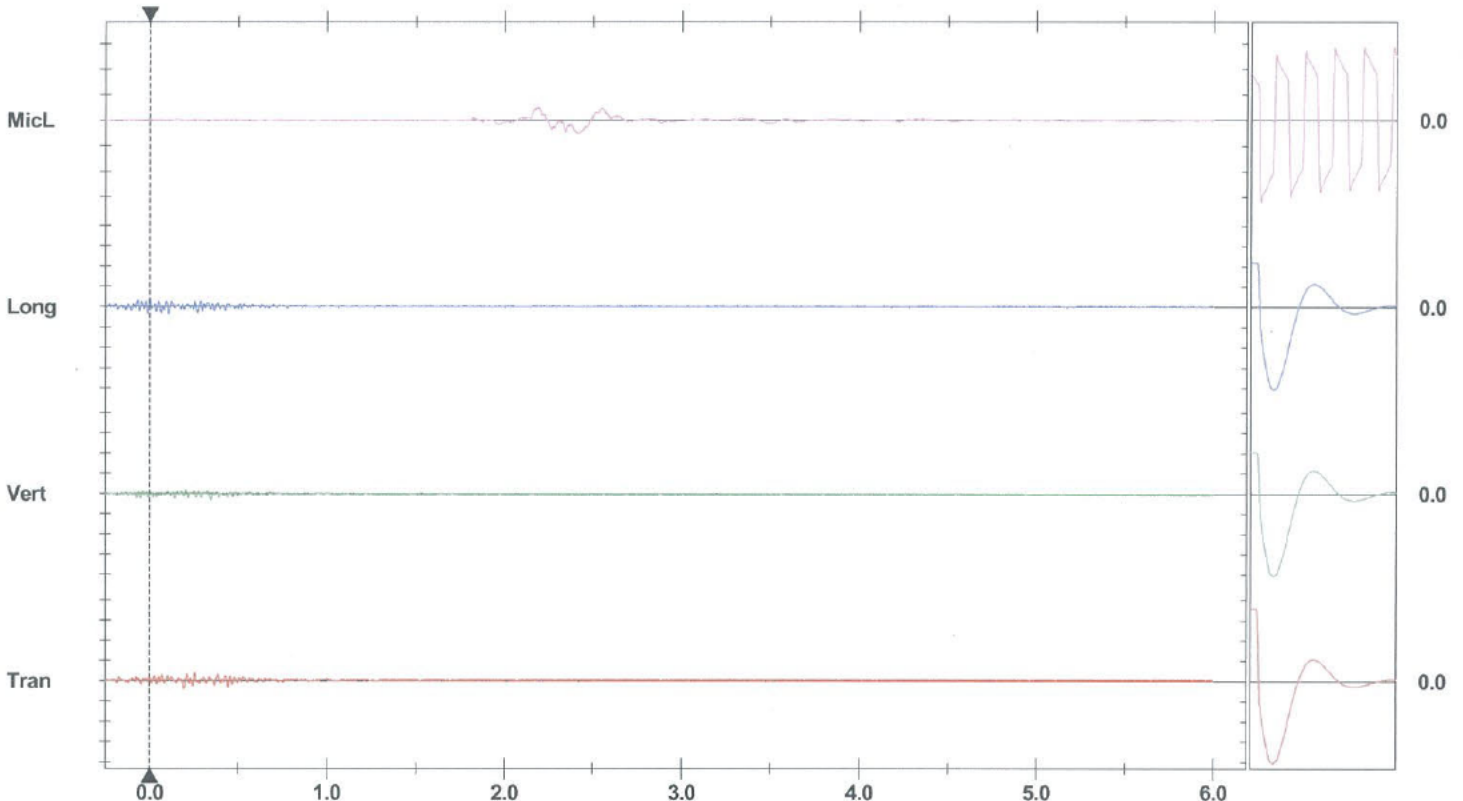
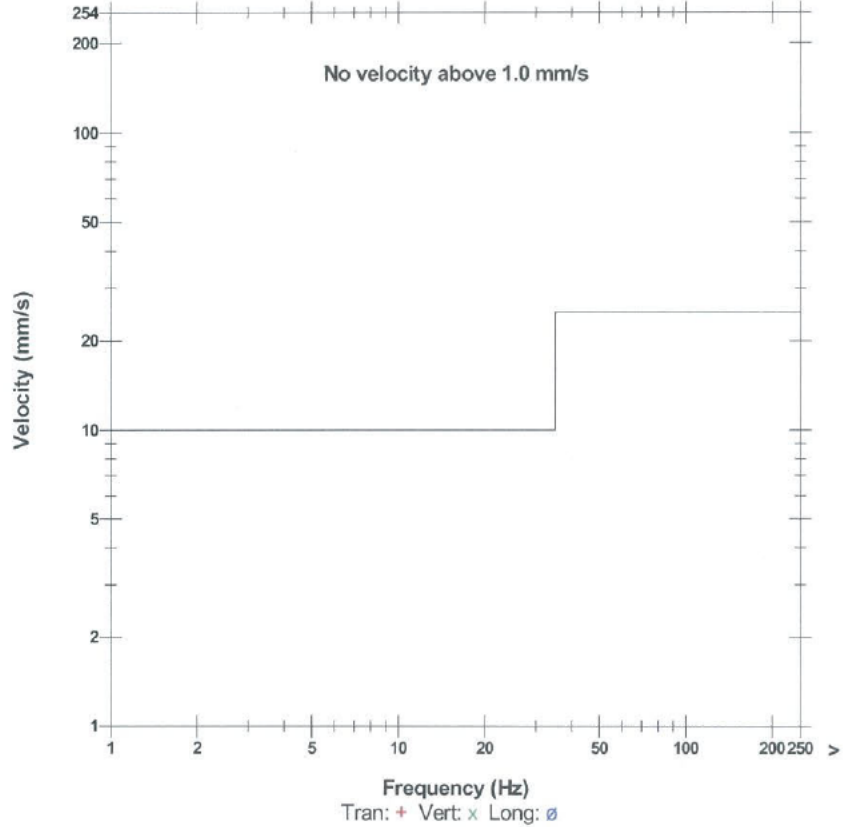
Extended Notes

Microphone Linear Weighting
 PSPL 108.8 dB(L) at 2.411 sec
 ZC Freq 2.8 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 498 mv)

	Tran	Vert	Long	
PPV	0.762	0.635	0.762	mm/s
ZC Freq	32	27	47	Hz
Time (Rel. to Trig)	0.193	0.343	0.000	sec
Peak Acceleration	0.0265	0.0133	0.0265	g
Peak Displacement	0.00391	0.00397	0.00341	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.5	7.5	Hz
Overswing Ratio	3.8	3.5	3.6	

Peak Vector Sum 0.916 mm/s at 0.256 sec

QLD APP Standard



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Long at 13:57:48 October 9, 2017
 Trigger Source Geo: 0.810 mm/s
 Range Geo: 254 mm/s
 Record Time 6.0 sec at 1024 sps
 Notes

Serial Number BE12705 V 10.72-1.1 Minimate Blaster
 Battery Level 5.9 Volts (Battery Low)
 Unit Calibration April 10, 2017 by Saros (Int)
 File Name __TEMP.EVT
 Post Event Notes
 Customer Site Blakebrook
 Blast ID BLA 27
 Monitor Location [REDACTED] Nimbin Rd
 Monitored By [REDACTED]

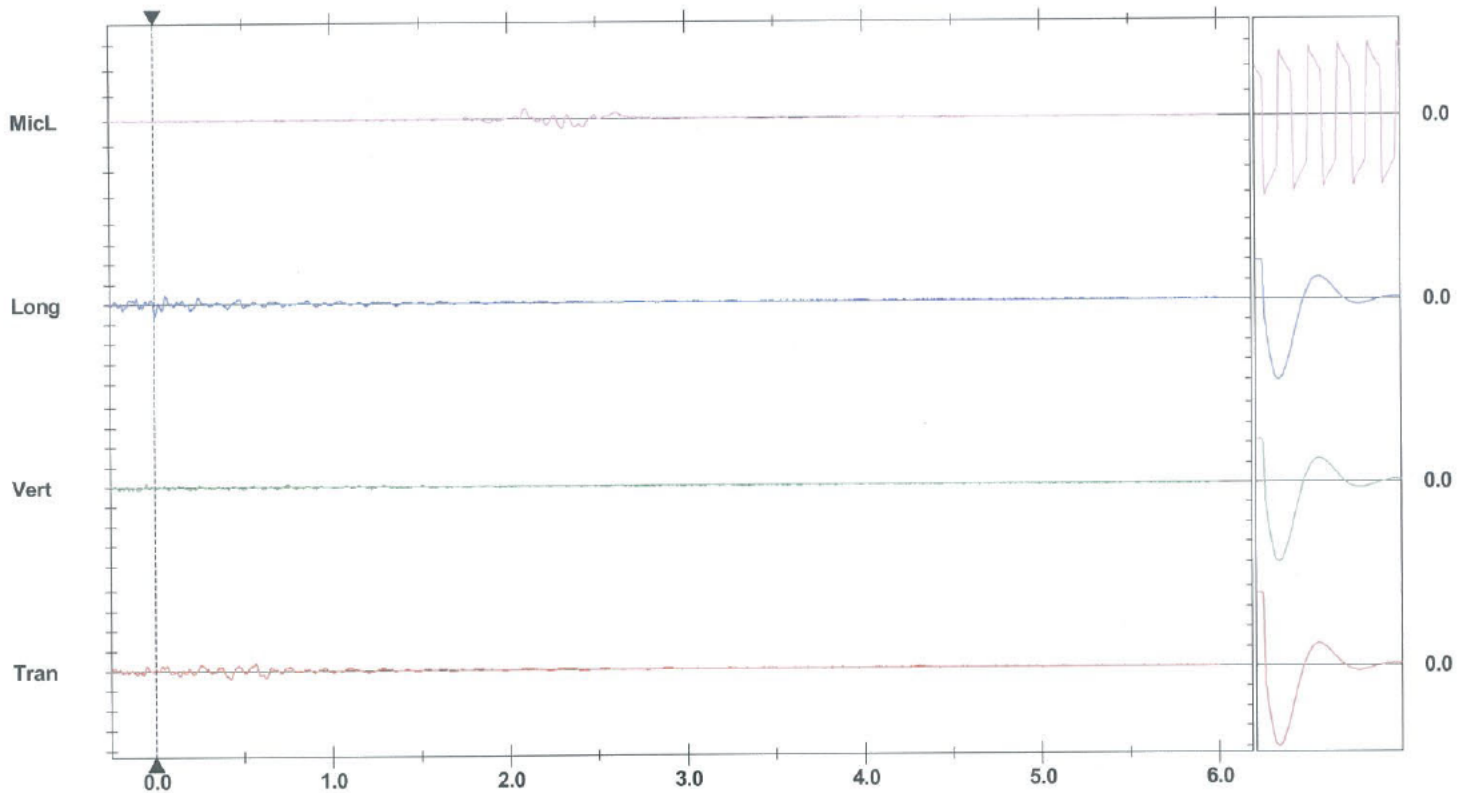
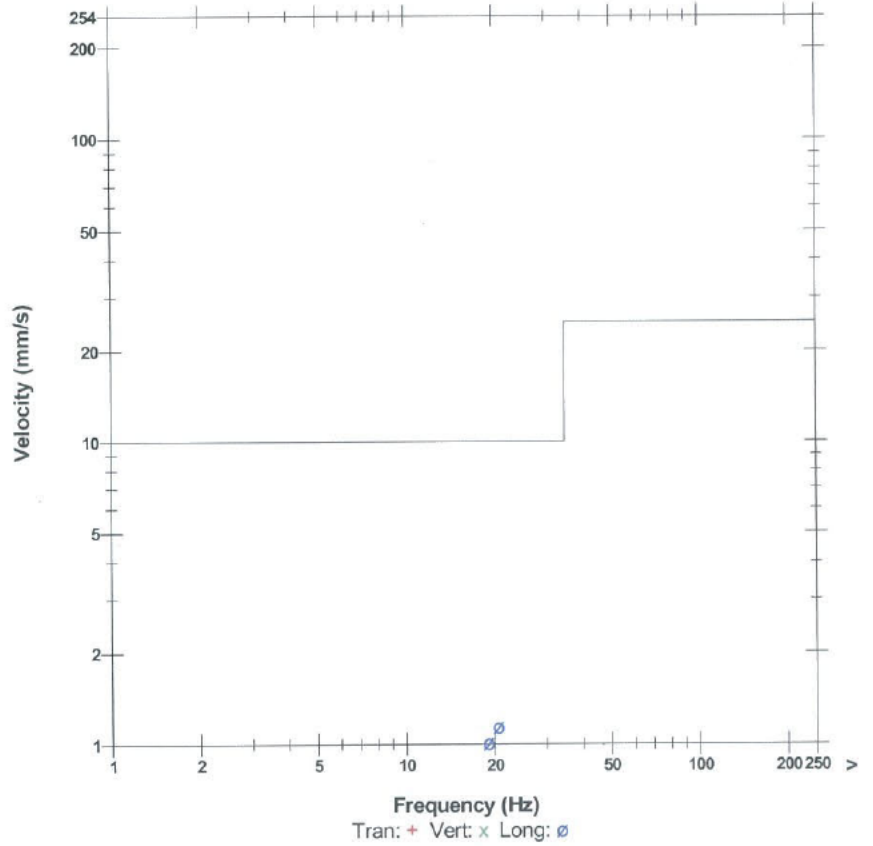
Extended Notes

Microphone Linear Weighting
 PSPL 107.0 dB(L) at 2.094 sec
 ZC Freq 9.8 Hz
 Channel Test Passed (Freq = 20.1 Hz Amp = 467 mv)

	Tran	Vert	Long	
PPV	0.889	0.381	1.14	mm/s
ZC Freq	10	34	20	Hz
Time (Rel. to Trig)	0.422	-0.051	0.004	sec
Peak Acceleration	0.0133	0.0133	0.0133	g
Peak Displacement	0.0138	0.00260	0.0122	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.5	7.4	Hz
Overswing Ratio	3.8	3.5	3.8	

Peak Vector Sum 1.16 mm/s at 0.005 sec

QLD APP Standard



Time Scale: 0.50 sec/div Amplitude Scale: Geo: 2.00 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger = [Symbol]

Sensor Check

BlakeBrook

Blast Number: BLA 31
 Location: Mainpit
 Time: 14:49.0
 Date: 020/12/2017
 Monitor Location: [REDACTED] Nimbin Rd
 Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
 Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 1100m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less less than the trigger level of 110 dBL

Monitor Log - Minimate Blaster # BE12705-Compliance

Display All

Search Now Between: 20/12/2017 And: 20/12/2017 1 logs in the list

Start Time	End Time	Status
Dec 20 /17 14:49:52	Dec 20 /17 15:18:40	SERIAL NUMBER: BE12705 No events recorded (Keyboard Exit: Dec 0.010 m/s/s)

Close Print

Instantel Minimate Blaster Serial Number BE12705
 next Calibration due 10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 31
Location: Main Pit
Time: 14:49:00 PM
Date: 20/12/2017
Monitor Location: [REDACTED] Nimbin RD
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:... This monitor was approximately 870m from the Blast. Donnelly blasting services advises that the Blast Vibration was lower than the trigger level of 0.51mm/s and that the blast over pressure was less than the trigger level of 110 dBL

Minimate Log - Minimate Blaster # BE13371 - Compliance

Display All

Search Now Between [20/12/2017] And [20/12/2017] 13 logs in the list

Start Time	End Time	Status
		SERIAL NUMBER: BE13371
Dec 20 17 14:41:25		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:42:00	Dec 20 17 14:42:10	Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:42:10		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:42:14		Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:42:20	Dec 20 17 14:42:30	Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:42:30		Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:42:35		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:42:35	Dec 20 17 14:42:41	Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:42:41		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:42:45		Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:42:55	Dec 20 17 14:43:01	Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:43:01		Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:43:05		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:43:05	Dec 20 17 14:43:10	Event recorded Trigger Level Met: 0.510 mm/s
Dec 20 17 14:43:10		Start Monitoring Trigger Level Over: 0.510 mm/s
Dec 20 17 14:43:15	Dec 20 17 14:43:15	Keyboard Event Over: 0.010 mm/s

Close Print

InstanTel Minimate Blaster Serial Number
next Calibration due

BE13371
10-Apr-18

* Monitor log Shows No Event trigger at time of blast

BlakeBrook

Blast Number: BLA 31
Location: Main pit
Time: 14:49
Date: 20/12/2017
Monitor Location: [REDACTED] Boorie Creek Rd
Weather: Fine

NO TRIGGER REPORT

monitoring conducted by: [REDACTED]

Geophone Trigger Level: 0.51 mm/s
Microphone Trigger level: 110 DBL

NOTES:.... This monitor was approximately from 850m from the Blast. Donnelly blasting services advises that the Blast Vibration Was lower than the trigger level of 0.51mm/s and that the blast over pressure was less less than the trigger level of 110 dBL

Monitor Log - Minimate Blaster # BE13456 - Compliance

Display All

Search Now Between 20/12/2017 And 20/12/2017 4 Rows in the list

Start Time	End Time	Status
Dec 20 17 14 41 40	Dec 20 17 14 49 45	0 Events recorded - Geophone Serial: 01010
Dec 20 17 14 42 27		Start Monitoring Trigger Level: 0.510 mm/s
Dec 20 17 15 04 00	Dec 20 17 15 04 14	0 Events recorded - Trigger Level: 0.510 mm/s
Dec 20 17 15 04 14	Dec 20 17 15 04 49	0 Events recorded - Microphone Serial: 0.510 mm/s

Close Print

InstanTel Minimate Blaster Serial Number BE13456
next Calibration due 1-Jun-18

* Monitor log Shows No Event trigger at time of blast