

VILLE DE MONTRÉAL
Mesures de vibrations lors du passage des trains et du trafic
véhiculaire
Cour Louvain
Rues de Louvain, St-Hubert, Port-Royal Est et Ave Christophe
Colomb
Montréal, Québec

Date : **Le 12 août 2010**

Réf. / Ref. : **M026570-G1**

TABLE DES MATIERES

1.0	MÉTHODE D'ENREGISTREMENT	1
1.1	Instrumentation	1
1.2	Installation	2
2.0	RÉSULTATS ENREGISTRÉS	2
3.0	COMMENTAIRES	4
ANNEXE I	Localisation des essais	
ANNEXE II	Photographies de l'installation des séismographes	
ANNEXE III	Résultats sismiques des points 1 à 14	
ANNEXE IV	Résultats sismiques du point 15	
ANNEXE V	Sensibilité des personnes aux vibrations verticales	

Référence no M026570-G1

Montréal, le 12 août 2010

Monsieur Eddy Hunter, M.Sc.
Conseiller en aménagement
Ville de Montréal
Service de la mise en valeur du territoire et du patrimoine
Direction de l'habitation
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Objet : Mesures de vibrations lors du passage des trains et du trafic véhiculaire
Cour Louvain
Rues de Louvain, St-Hubert, Port-Royal Est et Ave Christophe Colomb
Montréal, Québec

Monsieur,

Conformément à votre demande, nos représentants ont effectué un relevé de vibrations ambiantes lors du passage des trains et du trafic véhiculaire sur le site de la cour Louvain située dans le quadrilatère des rues de Louvain, St-Hubert et Port-Royal Est et de l'avenue Christophe-Colomb à Montréal.

Le but de ce relevé est de quantifier les intensités de vibrations de base (normaux), afin de vérifier leurs effets sur les futures constructions sur le site. Les mesures de vibrations se sont déroulées entre le 7 et le 14 juin 2010.

1.0 MÉTHODE D'ENREGISTREMENT

1.1 Instrumentation

Les vibrations générées par les trains et le trafic véhiculaire ont été enregistrées à l'aide de quatre (4) séismographes triaxiaux de marque Instantel. L'instrument se déclenche chaque fois que se produit une vibration supérieure à un seuil préétabli.

Les données de vibrations pour chaque point de lectures sont gardées en mémoire pour référence et traitées par ordinateur à nos bureaux.

Les informations enregistrées pour chaque événement consistent en une vitesse résultante vectorielle des vitesses transversales, longitudinales et verticales enregistrées en un même point de détection, déplacement et accélérations, ainsi que les fréquences associées.

1.2 Installation

Quatre (4) séismographes ont été utilisés pour enregistrer les vibrations durant notre étude. Les endroits précis de prise de lecture ont été choisis selon nos recommandations et 15 points ont été localisés. La localisation exacte des essais est indiquée sur le plan joint à l'annexe I. Les géophones des appareils ont été installés directement sur le sol : asphalte, structure, bordure ou trottoir selon l'emplacement, à chaque point de lecture.

Un sac de sable a été déposé sur le géophone de chaque séismographe afin de minimiser tout risque de déclenchement accidentel de l'équipement, non représentatif des vibrations ambiantes. Se référer à l'annexe II pour les photographies de l'installation.

2.0 RÉSULTATS ENREGISTRÉS

Les tableaux suivants résument les événements typiques enregistrés lors du passage du trafic véhiculaire et des trains pour chaque point de lecture. Tous les résultats sont des valeurs crête (peak to peak) utilisées pour les vibrations ambiantes (transitoires). Les fréquences, accélérations et déplacements associés aux valeurs crêtes sont identifiés pour chaque lecture.

Tableau no 1
Événements enregistrés

Date	Heure	Emplacement	Vibration (mm/s)	Fréquence (Hz)	Accélération (g)	Déplacement (mm)	Distance (m)	Notes
7 juin 2010	8 :15 à 9 :00	1	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	8 :15 à 9 :00	2	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	9 :05 à 9 :20	3	0.159	39.0 à >100	0.007	0.006	-	Trafic véhiculaire
7 juin 2010	9 :25 à 9 :35	4	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	9 :29	4	<0.13	-	-	-	60	Train

Tableau no 1 (suite)
Événements enregistrés

Date	Heure	Emplacement	Vibration (mm/s)	Fréquence (Hz)	Accélération (g)	Déplacement (mm)	Distance (m)	Notes
7 juin 2010	9 :25 à 9 :35	5	<0.13	-	-	-	82	Trafic véhiculaire
7 juin 2010	10 :00 à 10 :30	6	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	10 :32 à 11 :10	7	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	11 :11 à 11 :50	8	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	11 :52 à 13 :00	9	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	13 :11 à 13 :50	10	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	13 :50 à 14 :30	11	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	14 :35 à 15 :05	12	<0.13	-	-	-	-	Trafic véhiculaire
7 juin 2010	15 :10 à 15 :45	13	0.137	14.6 à >100	0.007	0.001	-	Trafic véhiculaire
7 au 8 juin 2010	15 :50 à 15 :50	14	0.223	85.3 à >100	0.025	0.0003	±100	Train
10 juin 2010	7 :42	14	0.205	64.0 à 73.1	0.010	0.0004	±100	Train
11 juin 2010	7 :52	14	0.230	73.1	0.020	0.0005	±100	Train
11 juin 2010	8 :35	14	0.163	64.0 à 73.1	0.010	0.0003	±100	Train
11 juin 2010	12 :25	14	0.178	73.1	0.010	0.0050	±100	Train
12 juin 2010	0 :31	14	0.280	56.9 à 73.1	0.018	0.0003	±100	Train
12 juin 2010	3 :20	14	0.268	64.0	0.018	0.0003	±100	Train
12 juin 2010	10 :37	14	0.286	73.1	0.015	0.0002	±100	Train
12 juin 2010	14 :17	14	0.207	76.1 à >100	0.018	0.0003	±100	Train
12 juin 2010	14 :52	14	0.222	56.9 à 64.0	0.018	0.0003	±100	Train
12 juin 2010	20 :23	14	0.349	64.0 à 85.3	0.018	0.0003	±100	Train
12 juin 2010	21 :03	14	0.302	73.1	0.015	0.0003	±100	Train
12 juin 2010	23 :05	14	0.212	64.0 à 73.1	0.010	0.0003	±100	Train
13 juin 2010	8 :26	14	0.183	64.0 à >100	0.010	0.0002	±100	Train
14 juin 2010	12 :53	14	0.196	73.1 à >100	0.010	0.002	±100	Train
10 juin 2010	9 :14	15	0.249	30.0 à 36.6	0.007	0.001	±30	Train
10 juin 2010	17 :13	15	0.306	30.1 à 39.4	0.008	0.001	±30	Train
10 juin 2010	19 :59	15	0.239	30.1 à 36.6	0.008	0.001	±30	Train
11 juin 2010	1 :29	15	0.439	28.4 à 36.6	0.010	0.0017	±30	Train
11 juin 2010	2 :05	15	0.217	28.4 à 36.6	0.007	0.001	±30	Train

Tableau no 1 (suite)
Événements enregistrés

Date	Heure	Emplacement	Vibration (mm/s)	Fréquence (Hz)	Accélération (g)	Déplacement (mm)	Distance (m)	Notes
11 juin 2010	6 :24	15	0.379	28.4 à 39.4	0.012	0.0014	±30	Train
11 juin 2010	8 :38	15	0.251	32.0 à 51.2	0.007	0.0008	±30	Train
11 juin 2010	12 :59	15	0.263	34.1 à 36.6	0.008	0.0009	±30	Train
11 juin 2010	17 :07	15	0.372	32.0 à 34.1	0.008	0.0015	±30	Train
12 juin 2010	1 :17	15	0.222	34.1 à 56.9	0.008	0.0011	±30	Train
12 juin 2010	5 :31	15	0.250	39.4 à 42.7	0.008	0.0009	±30	Train
12 juin 2010	7 :04	15	0.208	36.6 à 42.7	0.008	0.0008	±30	Train
12 juin 2010	10 :23	15	0.212	>100	0.017	0.0002	±30	Train
12 juin 2010	11 :55	15	0.290	34.1 à 36.6	0.008	0.0009	±30	Train

3.0 COMMENTAIRES

1. L'échantillonnage de mesures de vibrations a été effectué à temps continu entre le 7 et le 14 juin 2010. Plus de 15 points de lecture ont été ciblés afin d'enregistrer les mesures de vibrations générées par le trafic véhiculaire et celui des trains. Cette période d'essai est représentative des vibrations générées par les véhicules et les trains circulant quotidiennement à proximité du site de la cour Louvain située à Montréal, pour une exploitation dite normale.
2. La source des vibrations est principalement liée à la circulation des trains sur la ligne Montréal-Nord du CN, direction est-ouest. Les activités quotidiennes incluent les déplacements très lents et d'autres plus rapides des trains de marchandises et/ou de trains de banlieue sur la voie au nord du site. Il ne nous a pas été possible de distinguer les trains de marchandises de ceux de l'AMT ou de passagers car notre présence sur le site n'a pas été continue. Par contre, selon les informations obtenues du CN, nous savons que le nombre de trains approximatif est d'environ sept (7) trains de marchandises par jour et six (6) trains de passagers par semaine.
3. Le type de vibrations générées par les trains peut être défini comme une onde cyclique continue de courte durée pendant le passage des trains, suivi de plus longues périodes de repos entre chaque passage successif des trains. Donc, il y a des longues périodes durant la journée sans vibrations.

Les vibrations enregistrées sont de faible intensité et certaines n'ont pas pu être notées. Le seuil de déclenchement du séismographe a été fixé au niveau minimum de l'appareil, soit 0,13 mm/sec, et un nombre inférieur à huit (8) trains par jour a été relevé, tel que spécifié par le CN.

4. Les résultats de vibrations maximales enregistrées lors de notre étude pour le trafic véhiculaire ont été de l'ordre de <0,13 à 0,137 mm/sec et pour les trains de l'ordre de 0,163 à 0,439 mm/sec. Voir annexes III et IV pour les détails de chaque événement maximum enregistré, cité dans le tableau no 1. Ces niveaux de vibration sont considérés comme étant sécuritaires pour les structures adjacentes à la cour Louvain.
5. Les informations transmises de la part du CN nous indiquent que le trafic ferroviaire devrait être ajusté pour des projections futures. Normalement, le facteur d'ajustement est de 2.5% par année sur une période d'au moins 10 ans. L'augmentation future du trafic ferroviaire (train de l'AMT) ne devrait pas avoir d'impact sur les résultats sismiques, par contre elle aura une influence sur la fréquence des passages des trains.
6. À titre comparatif, les vibrations générées en milieu urbain par du trafic véhiculaire, travaux de constructions, entretien des routes, etc. pourraient causer des intensités de vibrations de l'ordre de 1,0 à 10,0 mm/sec selon la distance et la source de vibration.
7. Les vibrations enregistrées sur le site de cour Louvain lors de notre étude peuvent être qualifiées comme imperceptibles à juste perceptibles, tel que montré à l'annexe V, qui décrit la sensibilité des personnes aux vibrations verticales. Le degré de perception est variable selon les personnes.
8. La présente étude permet aux ingénieurs concepteur d'identifier les types de fondations qui pourraient être utilisés pour minimiser les effets des vibrations sur les utilisateurs.

Nous espérons le tout à votre entière satisfaction. N'hésitez pas à communiquer avec nous pour de plus amples renseignements.

Veillez agréer, Monsieur, nos salutations distinguées.

INSPEC SOL INC.



Paul Kuznik, ing.



Luisa Ciarciello, ing.

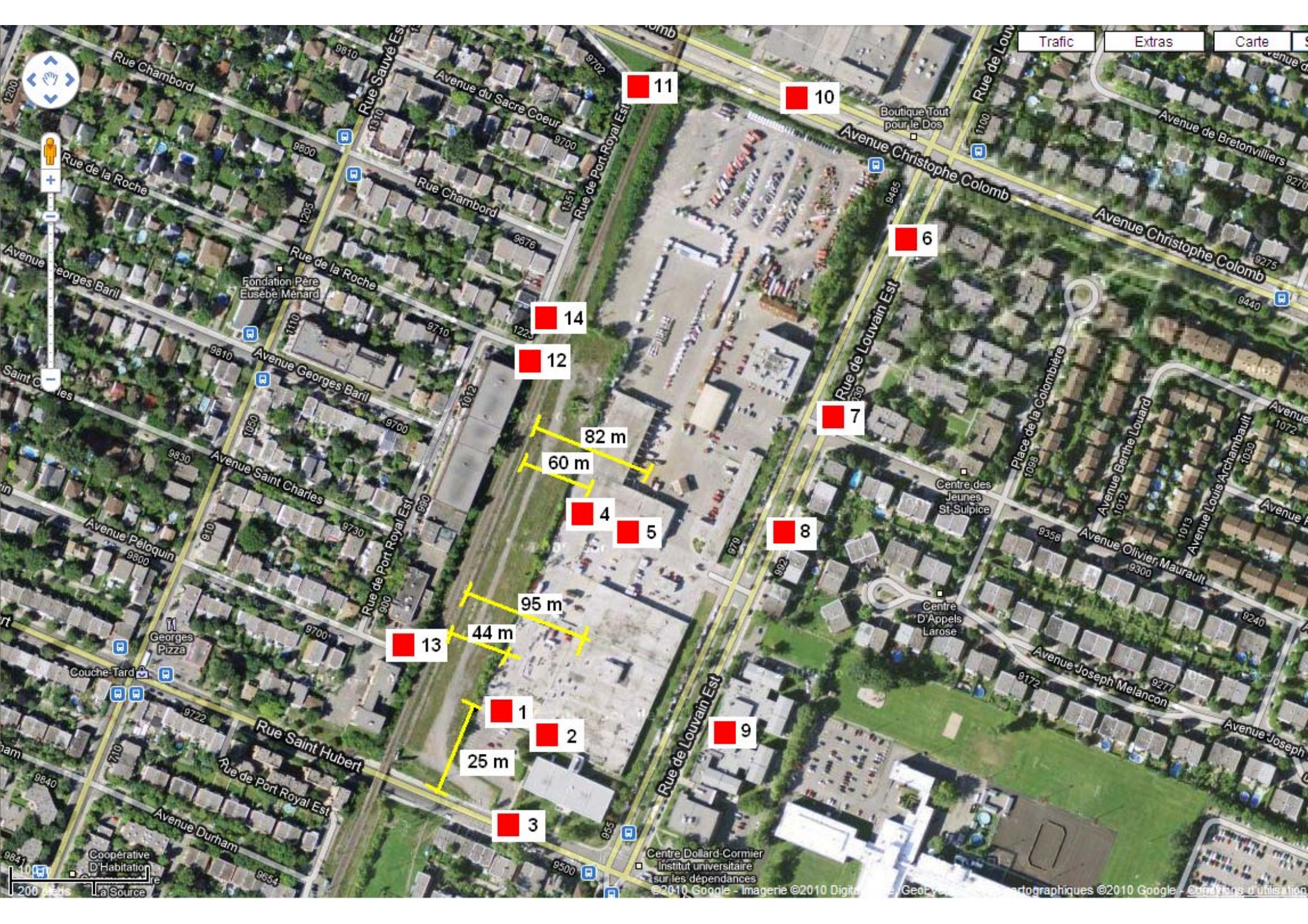
PK/vb

p.j.

En triplicata (copie par courriel : ehunter@ville.montreal.qc.ca) et poste

A N N E X E I

Localisation des essais



11

10

6

14

12

7

4

5

8

13

1

2

9

3

82 m

60 m

95 m

44 m

25 m

A N N E X E I I

Photographies de l'installation des sismographes

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 1 – Emplacement no. 1



Photo No 2 – Emplacement no. 1

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 3 – Emplacement no. 2



Photo No 4 – Emplacement no. 2

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 5 – Emplacement no. 3



Photo No 6 – Emplacement no. 3

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 7 – Emplacement no. 4



Photo No 8 – Emplacement no. 4

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 9 – Emplacement no. 5



Photo No 10 – Emplacement no.5

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 11 – Emplacement no. 6



Photo No 12 – Emplacement no. 6

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 13 – Emplacement no. 6

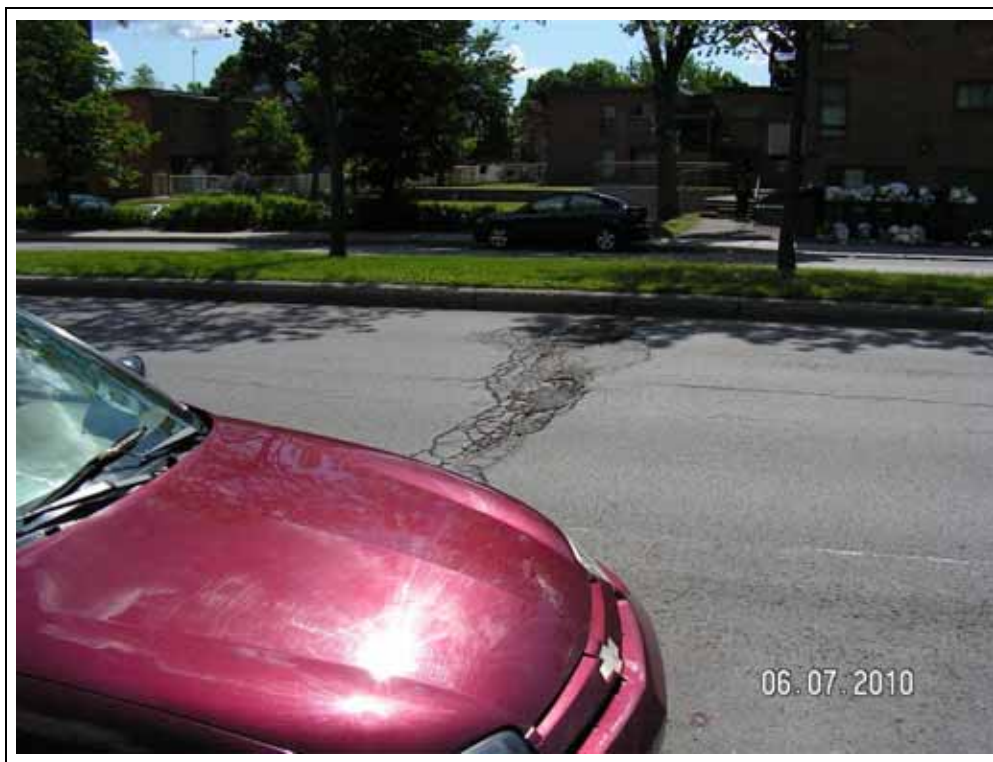


Photo No 14 – Emplacement no. 6

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 15 – Emplacement no. 7



Photo No 16 – Emplacement no. 7

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 17 – Emplacement no. 8



Photo No 18 – Emplacement no. 8

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 19 – Emplacement no. 9



Photo No 20 – Emplacement no. 9

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 21 – Emplacement no. 10

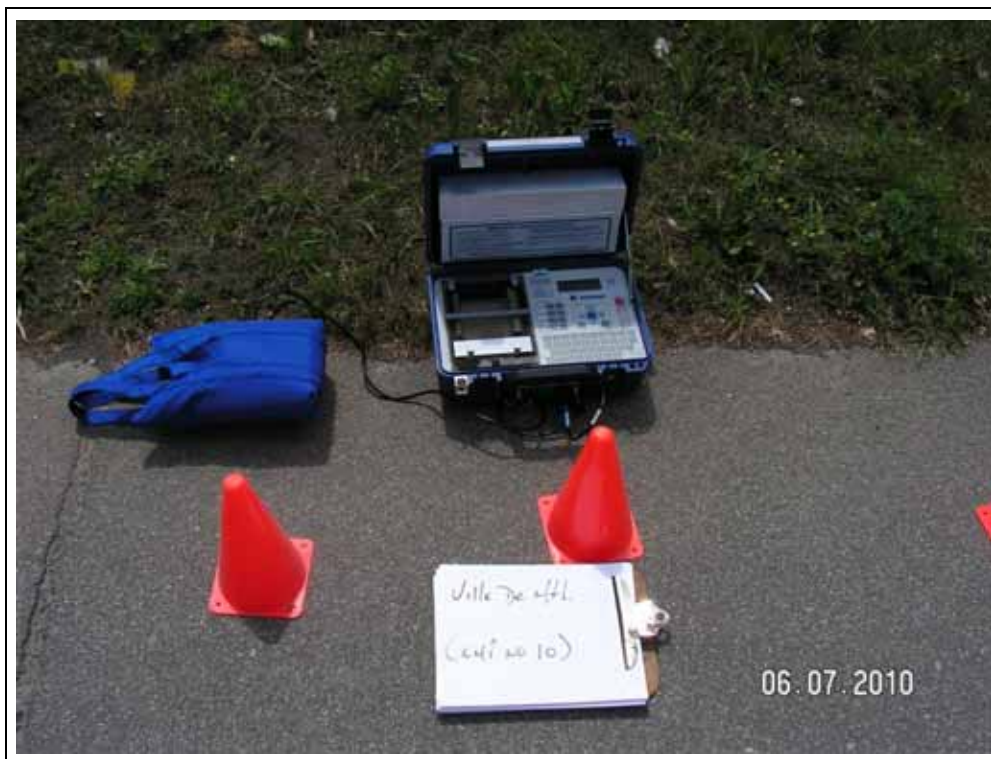


Photo No 22 – Emplacement no. 10

VILLE DE MONRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 23 – Emplacement no. 11



Photo No 24 – Emplacement no. 11

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 25 – Emplacement no. 12



Photo No 26 – Emplacement no. 12

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 27 – Emplacement no. 13



Photo No 28 – Emplacement no. 13

VILLE DE MONTRÉAL
COUR LOUVAIN
RUES DE LOUVAIN, ST-HUBERT ET PORT-ROYAL EST ET AVENUE CHRISTOPHE-COLOMB
MONTRÉAL, QUÉBEC



Photo No 29 – Emplacement no. 14

A N N E X E III

Résultats sismiques des points 1 à 14

Event Report: Event List - i:\general\duy shared area\techniciens\Evénements\m026570-

Date/Time	Trigger	Serial No.	PVS1 (mm/s)	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	Tran Freq. Hz.	Vert Freq. Hz.	Long Freq. Hz.	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Tran Displ (mm)	Vert Displ (mm)	Long Displ (mm)	Mic Peak (dB)	Description
Jun 7 /10 08:12:33	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 08:39:33	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 08:39:55	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 08:55:08	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 08:55:26	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 09:02:06	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 09:07:31	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 09:14:02	Vert	BA14977	0.159	0.0635	0.159	0.0794	>100	39.4	85.3	0.00663	0.00663	0.00663	0.00033	0.00062	0.00036	***	M026270-G1
Jun 7 /10 09:17:00	Vert	BA14977	0.151	0.0476	0.127	0.0952	85.3	32.0	36.6	0.00663	0.00663	0.00663	0.00013	0.00064	0.00045	***	M026270-G1
Jun 7 /10 09:18:26	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 09:29:37	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 09:40:42	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:01:11	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:03:20	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:06:31	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:06:59	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:07:41	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:08:24	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:09:31	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:10:07	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:10:44	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:11:27	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:11:58	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:12:50	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:13:30	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:13:40	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:15:15	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:15:33	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:16:31	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:17:35	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:18:40	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:27:54	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:31:09	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 10:33:15	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 10:33:35	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 11:05:48	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 11:09:31	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 11:17:23	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 11:17:46	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 11:19:38	Vert	BA14977	0.271	0.0476	0.254	0.0952	>100	64.0	64.0	0.00497	0.0116	0.00663	0.00010	0.00058	0.00027	<50A	M026570-G1
Jun 7 /10 11:24:30	Long	BA14977	0.154	0.0635	0.0952	0.127	>100	73.1	24.4	0.00663	0.00829	0.00663	0.00007	0.00021	0.00064	<50A	M026570-G1
Jun 7 /10 11:43:39	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 11:51:03	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 12:18:16	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop

Event Report: Event List - i:\general\duy shared area\techniciens\Événements\m026570-

Date/Time	Trigger	Serial No.	PVS1 (mm/s)	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	Tran Freq. Hz.	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Tran Displ (mm)	Vert Displ (mm)	Long Displ (mm)	Mic Peak (dB)	Description
Jun 7 /10 13:10:32	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 13:10:33	Vert	BA14977	0.135	0.0635	0.127	0.0476	>100	0.00663	0.00994	0.00663	0.00009	0.00015	0.00008	<50A	M026570-G1
Jun 7 /10 13:15:27	Vert	BA14977	0.172	0.0794	0.159	0.0635	85.3	0.00663	0.00994	0.00663	0.00014	0.00027	0.00008	<50A	M026570-G1
Jun 7 /10 13:43:13	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 13:50:01	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 14:00:39	Vert	BA14977	0.660	0.413	0.524	0.0794	39.4	0.0133	0.0182	0.00663	0.00328	0.00244	0.00036	<50A	M026570-G1
Jun 7 /10 14:01:04	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 14:01:39	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 14:31:02	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 14:35:34	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 15:00:59	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Keyboard Stop
Jun 7 /10 15:09:55	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 15:17:47	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 15:17:47	Vert	BA14977	0.137	0.0635	0.127	0.0476	51.2	0.00663	0.00663	0.00663	0.00041	0.00132	0.00006	<50A	M026570-G1
Jun 7 /10 15:17:49	***	BA14977	***	***	***	***	***	***	***	***	***	***	***	***	Stop Monitoring
Jun 7 /10 15:45:29	***	BE7903	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 7 /10 15:45:30	§	BE7903	***	***	***	***	***	0.0	0.0	0.0	0.0	0.0	0.0	***	VILLE DE MTL M026570-C
Jun 7 /10 15:45:43	§	BE7903	***	***	***	***	***	0.0	0.0	0.0	0.0	0.0	0.0	***	VILLE DE MTL M026570-C
Jun 8 /10 13:24:07	Manual	BE7903	0.223	0.0476	0.222	0.0952	>100	0.00497	0.0249	0.00497	0.00011	0.00031	0.00017	<88L	BUREAU M. HUARD
Jun 8 /10 23:59:28	Manual	BE7903	0.128	0.0476	0.127	0.0476	>100	0.00663	0.00829	0.00663	0.00008	0.00026	0.00012	<88L	BUREAU M. HUARD
Jun 9 /10 08:24:28	***	BE7903	***	***	***	***	***	***	***	***	***	***	***	***	Stop Monitoring
Jun 10 /10 07:13:49	***	BE7903	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 10 /10 07:13:50	Manual	BE7903	0.267	0.175	0.159	0.159	64.0	0.0166	0.0116	0.0149	0.00047	0.00043	0.00043	106.5L	BUREAU M. HUARD
Jun 10 /10 07:39:30	Tran	BE7903	0.192	0.143	0.111	0.111	64.0	0.0116	0.00829	0.00829	0.00033	0.00030	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:40:54	Tran	BE7903	0.194	0.143	0.111	0.111	64.0	0.00829	0.00829	0.00829	0.00033	0.00030	0.00031	104.2L	BUREAU M. HUARD
Jun 10 /10 07:41:02	Tran	BE7903	0.192	0.143	0.111	0.127	64.0	0.00994	0.00829	0.00829	0.00033	0.00033	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:41:43	Tran	BE7903	0.202	0.143	0.127	0.111	56.9	0.00994	0.00829	0.00829	0.00033	0.00032	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:41:53	Tran	BE7903	0.194	0.143	0.127	0.111	56.9	0.00829	0.00829	0.00663	0.00034	0.00031	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:41:58	Tran	BE7903	0.202	0.143	0.111	0.111	56.9	0.00829	0.00829	0.00829	0.00035	0.00029	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:42:44	Tran	BE7903	0.205	0.143	0.127	0.111	64.0	0.00994	0.00829	0.00829	0.00033	0.00033	0.00030	104.2L	BUREAU M. HUARD
Jun 10 /10 07:42:53	Tran	BE7903	0.202	0.143	0.127	0.111	64.0	0.00994	0.00829	0.00829	0.00033	0.00032	0.00029	104.2L	BUREAU M. HUARD
Jun 10 /10 07:42:56	Tran	BE7903	0.194	0.143	0.127	0.111	64.0	0.00829	0.00829	0.00829	0.00035	0.00032	0.00030	104.2L	BUREAU M. HUARD
Jun 10 /10 23:59:35	Manual	BE7903	0.230	0.143	0.222	0.111	73.1	0.0166	0.0199	0.0149	0.00033	0.00051	0.00034	101.9L	BUREAU M. HUARD
Jun 11 /10 07:52:33	Vert	BE7903	0.230	0.0952	0.143	0.0794	73.1	0.00663	0.0199	0.00663	0.00023	0.00051	0.00022	101.0L	BUREAU M. HUARD
Jun 11 /10 08:35:41	Vert	BE7903	0.163	0.0952	0.143	0.0794	73.1	0.00663	0.00994	0.00663	0.00022	0.00026	0.00022	100.0L	BUREAU M. HUARD
Jun 11 /10 12:25:12	Tran	BE7903	0.178	0.143	0.0952	0.0794	73.1	0.00994	0.00497	0.00497	0.00023	0.00023	0.00021	100.0L	BUREAU M. HUARD
Jun 11 /10 23:59:31	Manual	BE7903	0.349	0.222	0.190	0.190	64.0	0.0182	0.0182	0.0166	0.00033	0.00029	0.00032	101.9L	BUREAU M. HUARD
Jun 12 /10 00:31:47	Tran	BE7903	0.280	0.222	0.159	0.0952	64.0	0.0182	0.0133	0.00663	0.00028	0.00028	0.00022	101.0L	BUREAU M. HUARD
Jun 12 /10 03:20:52	Tran	BE7903	0.268	0.175	0.159	0.127	64.0	0.0182	0.0166	0.0133	0.00027	0.00024	0.00021	101.0L	BUREAU M. HUARD
Jun 12 /10 10:37:52	Tran	BE7903	0.286	0.190	0.190	0.0952	73.1	0.0149	0.0149	0.00663	0.00024	0.00023	0.00022	100.0L	BUREAU M. HUARD
Jun 12 /10 14:17:17	Tran	BE7903	0.207	0.143	0.127	0.0794	>100	0.0149	0.0133	0.0116	0.00023	0.00026	0.00022	100.0L	BUREAU M. HUARD
Jun 12 /10 14:52:32	Tran	BE7903	0.222	0.175	0.111	0.0952	64.0	0.0182	0.0149	0.00829	0.00029	0.00023	0.00022	100.0L	BUREAU M. HUARD
Jun 12 /10 20:23:42	Tran	BE7903	0.349	0.222	0.190	0.190	64.0	0.0182	0.0182	0.0166	0.00029	0.00024	0.00026	101.0L	BUREAU M. HUARD
Jun 12 /10 21:03:43	Tran	BE7903	0.302	0.175	0.175	0.175	73.1	0.0116	0.0133	0.0149	0.00025	0.00023	0.00023	101.0L	BUREAU M. HUARD

Event Report: Event List - i:\general\djudy shared area\techniciens\Événements\m026570-

Date/Time	Trigger	Serial No.	PVS1 (mm/s)	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	Tran Freq. Hz.	Vert Freq. Hz.	Long Freq. Hz.	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Tran Displ (mm)	Vert Displ (mm)	Long Displ (mm)	Mic Peak (dB)	Description
Jun 12 /10 23:05:20	Tran	BE7903	0.212	0.175	0.111	0.0952	73.1	73.1	64.0	0.00994	0.00663	0.00497	0.00026	0.00024	0.00023	101.0L	BUREAU M. HUARD
Jun 12 /10 23:59:34	Manual	BE7903	0.183	0.127	0.111	0.143	73.1	56.9	64.0	0.0133	0.00994	0.00994	0.00030	0.00029	0.00032	101.0L	BUREAU M. HUARD
Jun 13 /10 08:26:49	Long	BE7903	0.183	0.0952	0.0952	0.143	73.1	>100	64.0	0.00663	0.00663	0.00994	0.00022	0.00024	0.00022	100.0L	BUREAU M. HUARD
Jun 13 /10 23:59:29	Manual	BE7903	0.196	0.143	0.127	0.127	73.1	39.4	73.1	0.0133	0.0116	0.0149	0.00028	0.00045	0.00030	101.0L	BUREAU M. HUARD
Jun 14 /10 08:36:37	Tran	BE7903	0.196	0.143	0.0952	0.0952	73.1	>100	85.3	0.00994	0.00829	0.00663	0.00022	0.00022	0.00020	100.0L	BUREAU M. HUARD
Jun 14 /10 12:53:11	***	BE7903	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Stop Monitoring

Date/Time Vert at 09:14:02 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by InstanTel inc.
File Name P977D9SP.NEO

Notes

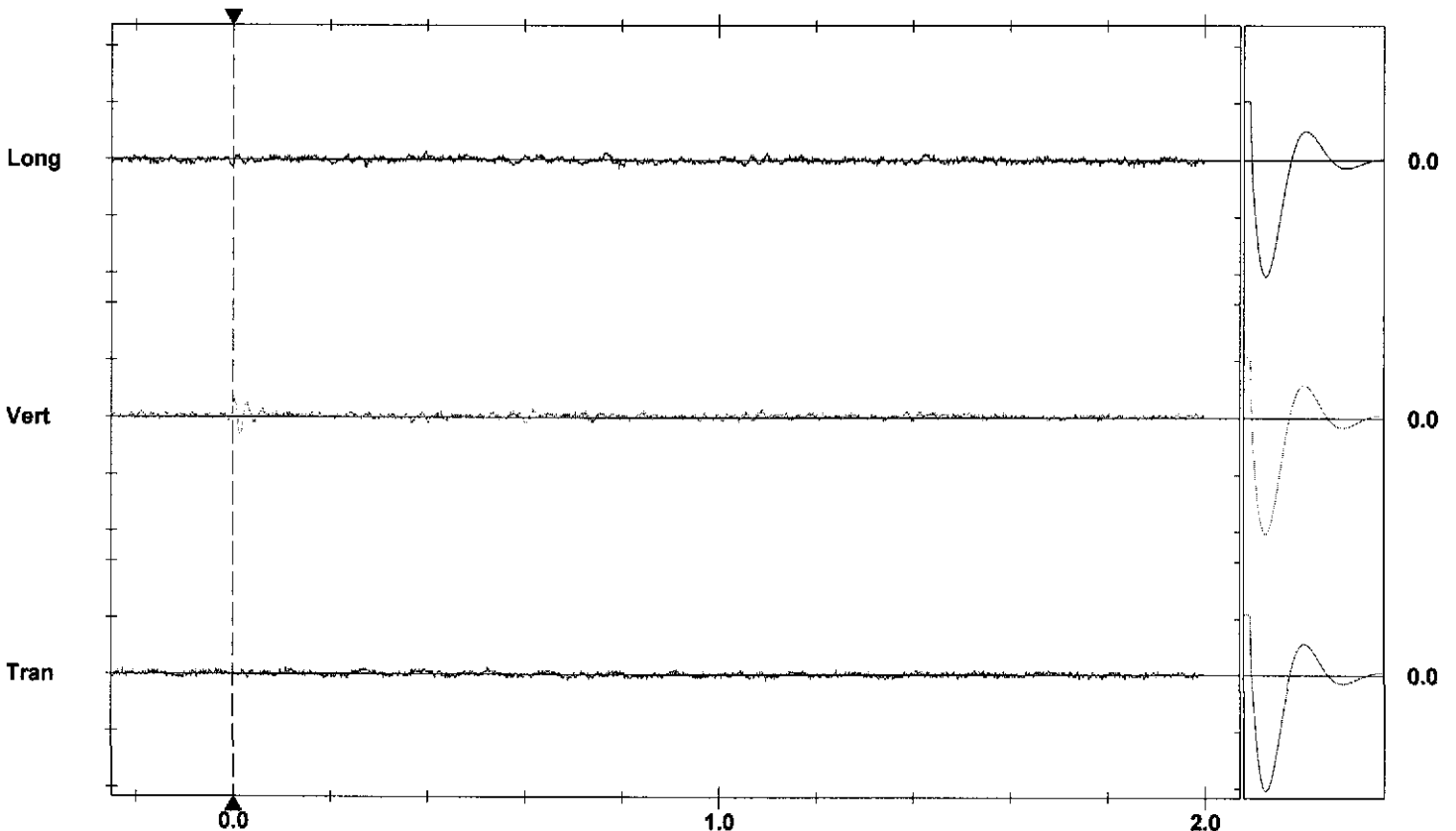
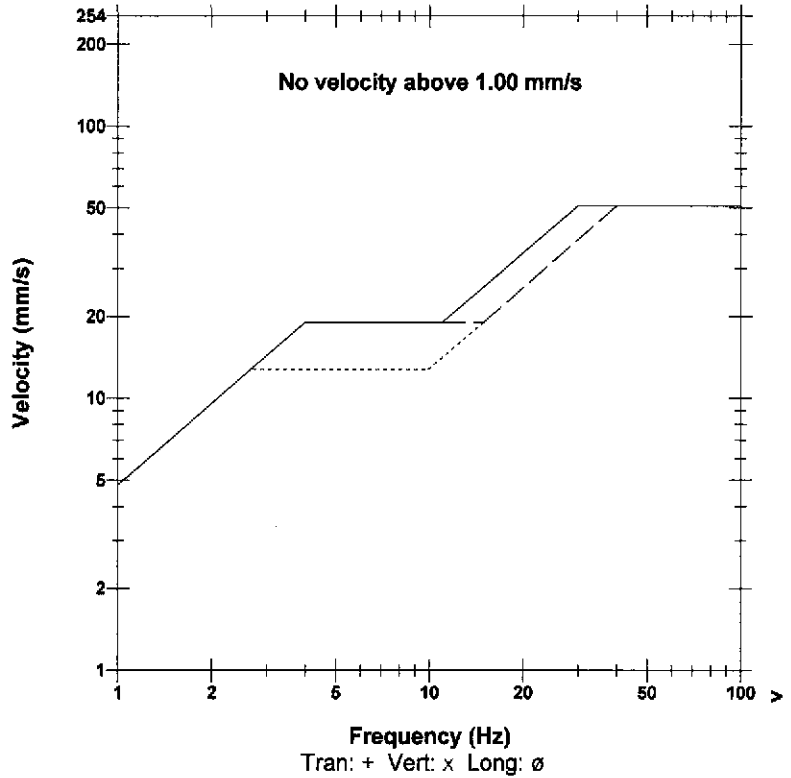
client: Ville de Mtl M026270-G1
 General : emp 3
 Emplacement : 3 emp 3
 Utilisateur : MC

Extended Notes

	Tran	Vert	Long	
PPV	0.0635	0.159	0.0794	mm/s
PPV	27.1	35.0	29.0	dB
ZC Freq	>100	39	85	Hz
Time (Rel. to Trig)	0.109	0.003	0.273	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00033	0.00062	0.00036	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.6	7.3	Hz
Overswing Ratio	3.7	3.5	4.0	

Peak Vector Sum 0.159 mm/s at 0.003 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div
 Trigger =

Sensor Check

Date/Time Vert at 09:17:00 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by InstanTel inc.
File Name P977D9SP.SCO

Notes

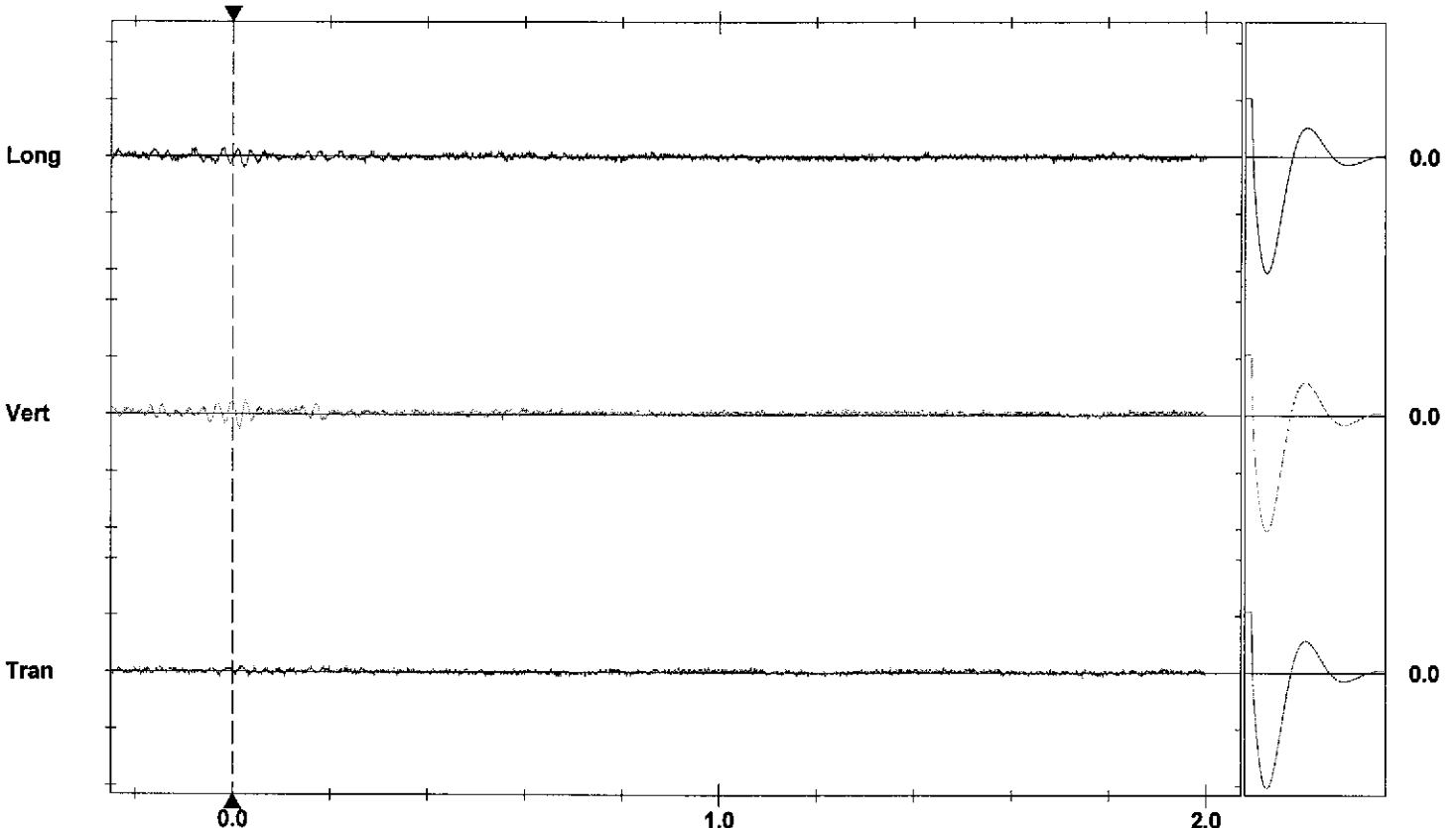
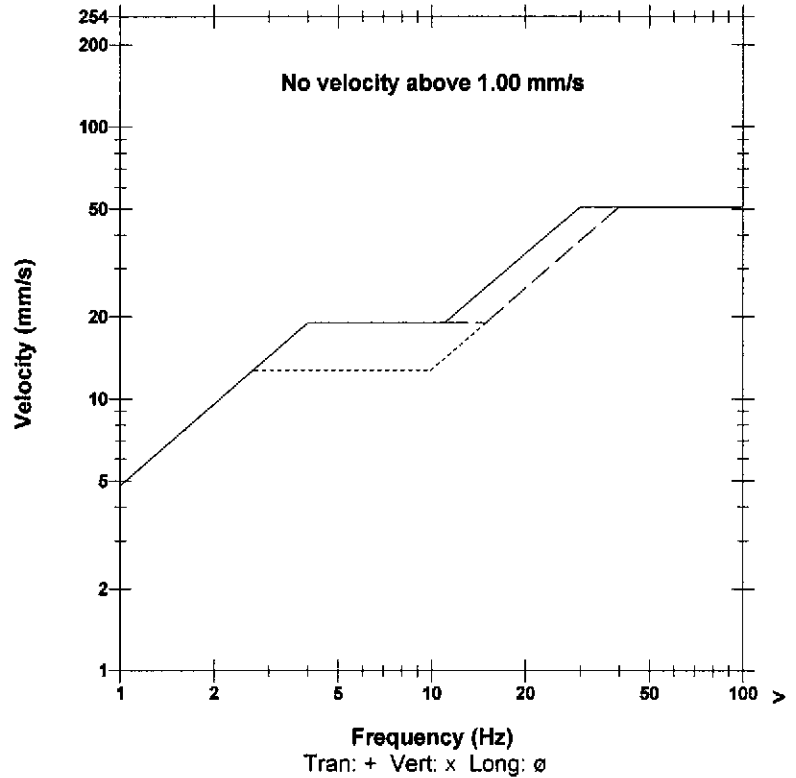
client: Ville de Mtl M026270-G1
 General : emp 3
 Emplacement : 3 emp 3
 Utilisateur : MC

Extended Notes

	Tran	Vert	Long	
PPV	0.0476	0.127	0.0952	mm/s
PPV	24.6	33.1	30.6	dB
ZC Freq	85	32	37	Hz
Time (Rel. to Trig)	-0.149	0.000	0.021	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00013	0.00064	0.00045	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.6	7.3	Hz
Overswing Ratio	3.7	3.5	4.0	

Peak Vector Sum 0.151 mm/s at 0.026 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div
 Trigger =

Sensor Check

Date/Time Vert at 11:19:38 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by Instantel inc.
File Name P977D9SV.GQ0

Notes
 client: Ville de Mtl M026570-G1
 General : emp 8
 Emplacement : 8 emp 8
 Utilisateur : MC

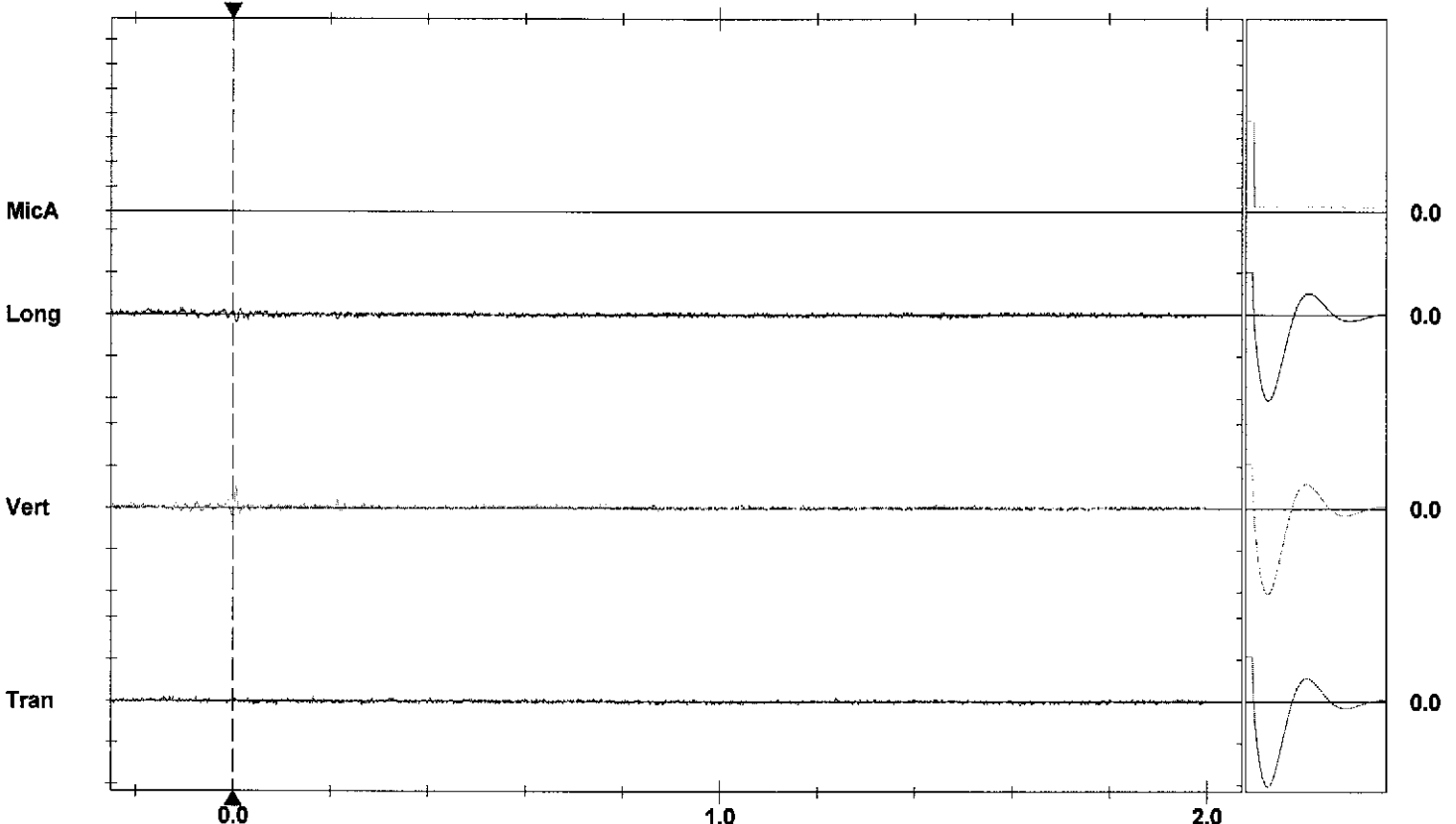
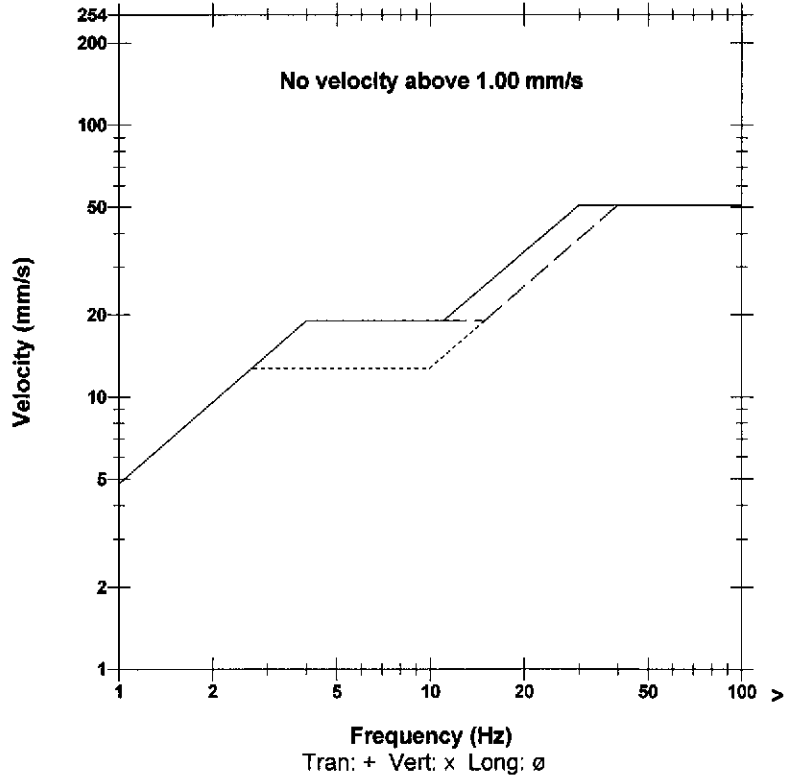
Extended Notes

Microphone 'A' Weight
PSPL <50 dB(A) 0.100 dB(A) at -0.250 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0476	0.254	0.0952	mm/s
PPV	24.6	39.1	30.6	dB
ZC Freq	>100	64	64	Hz
Time (Rel. to Trig)	-0.142	0.006	0.006	sec
Peak Acceleration	0.00497	0.0116	0.00663	g
Peak Displacement	0.00010	0.00058	0.00027	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.6	7.1	Hz
Overswing Ratio	3.7	3.5	4.0	

Peak Vector Sum 0.271 mm/s at 0.006 sec
 N/A: Not Applicable

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 1.000 dB(A)/div
Trigger =

Sensor Check

Date/Time Long at 11:24:30 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by InstanTel inc.
File Name P977D9SV.OU0

Notes
 client: Ville de Mtl M026570-G1
 General : emp 8
 Emplacement : 8 emp 8
 Utilisateur : MC

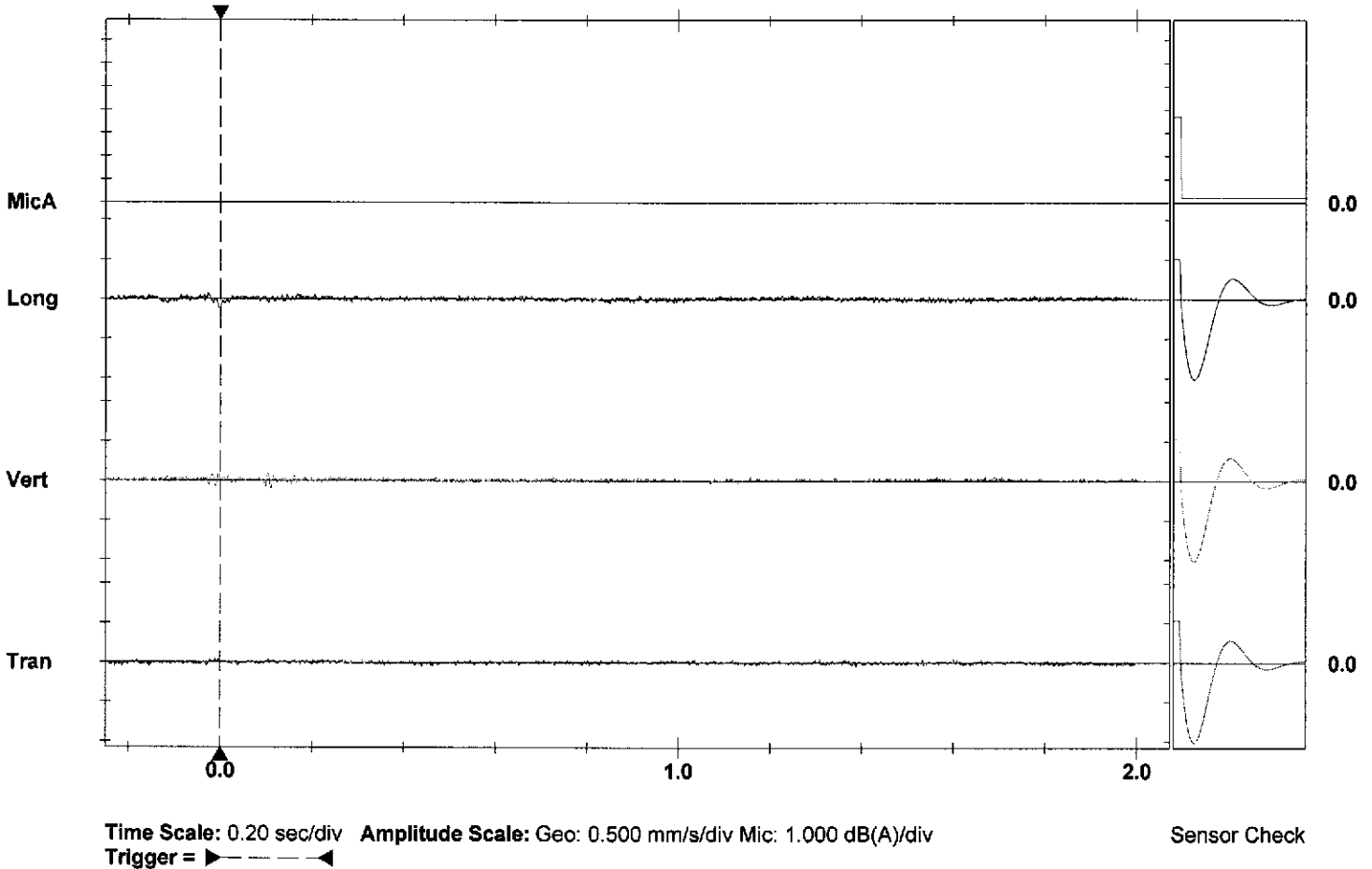
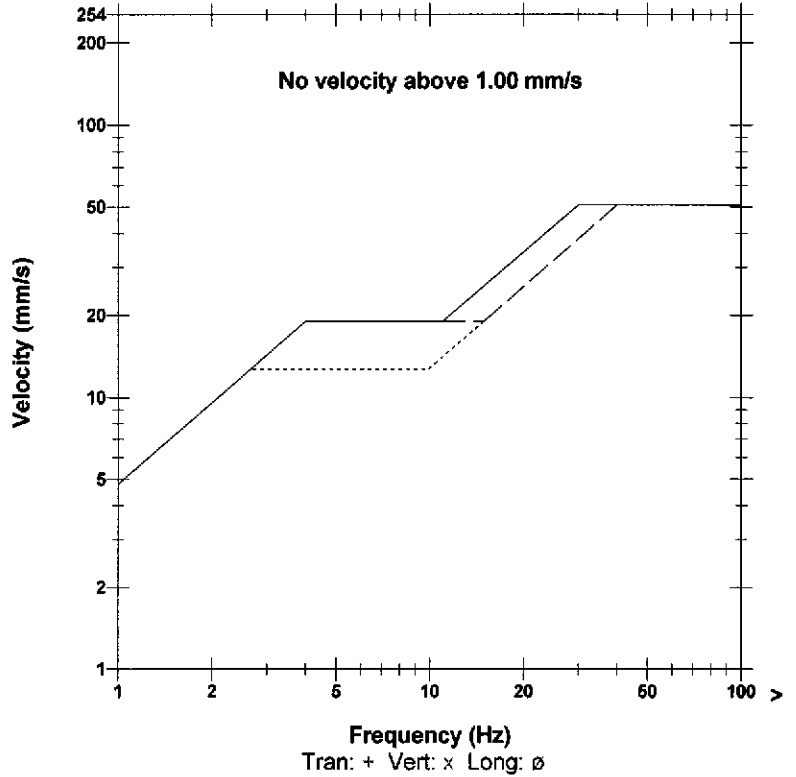
Extended Notes

Microphone 'A' Weight
PSPL <50 dB(A) 0.200 dB(A) at 0.296 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0635	0.0952	0.127	mm/s
PPV	27.1	30.6	33.1	dB
ZC Freq	>100	73	24	Hz
Time (Rel. to Trig)	-0.154	-0.004	0.000	sec
Peak Acceleration	0.00663	0.00829	0.00663	g
Peak Displacement	0.00007	0.00021	0.00064	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.6	7.1	Hz
Overswing Ratio	3.7	3.5	4.0	

Peak Vector Sum 0.154 mm/s at -0.004 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 13:10:33 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by Instantel inc.
File Name P977D9T0.LL0

Notes

client: Ville de Mtl M026570-G1
 General : emp 10
 Emplacement : 10 emp 10
 Utilisateur : MC

Extended Notes

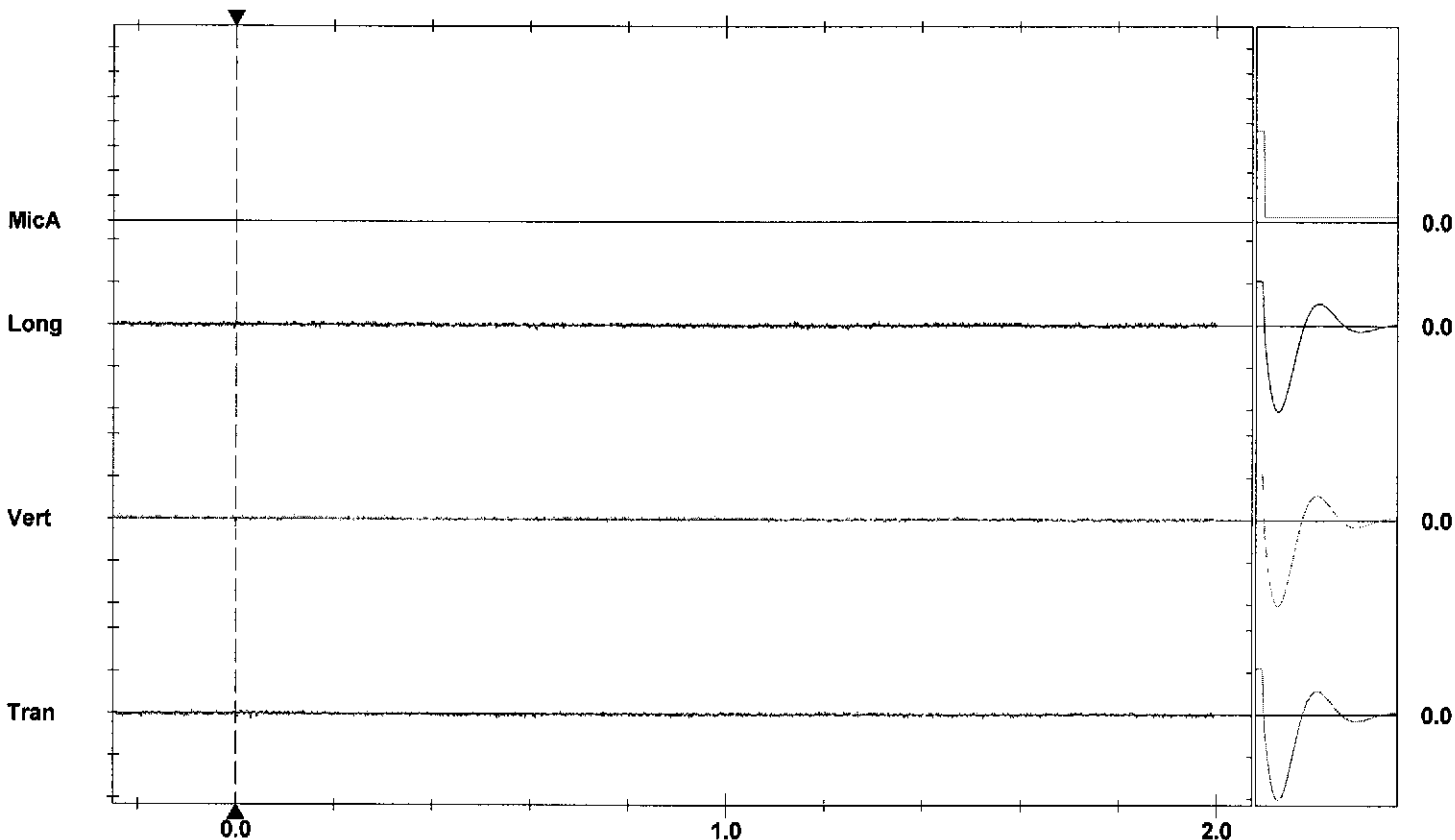
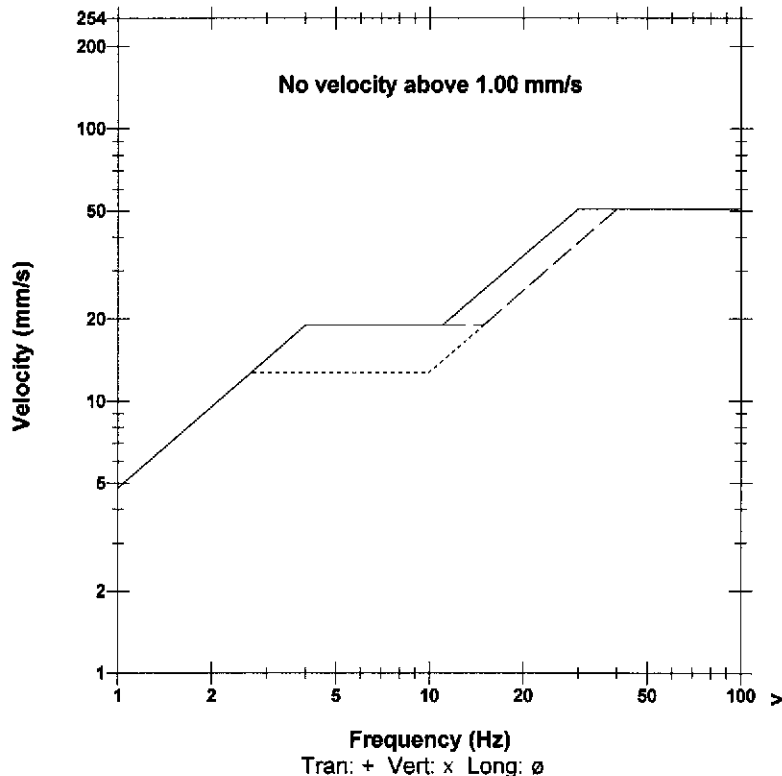
Microphone 'A' Weight
PSPL <50 dB(A) 0.200 dB(A) at 0.178 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0635	0.127	0.0476	mm/s
PPV	27.1	33.1	24.6	dB
ZC Freq	>100	>100	>100	Hz
Time (Rel. to Trig)	0.030	0.000	-0.005	sec
Peak Acceleration	0.00663	0.00994	0.00663	g
Peak Displacement	0.00009	0.00015	0.00008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.5	7.2	Hz
Overswing Ratio	3.6	3.5	3.9	

Peak Vector Sum 0.135 mm/s at 0.000 sec

N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 1.000 dB(A)/div
Trigger =

Sensor Check

Date/Time Vert at 13:15:27 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by InstanTel inc.
File Name P977D9T0.TR0

Notes

client: Ville de Mtl M026570-G1
 General : emp 10
 Emplacement : 10 emp 10
 Utilisateur : MC

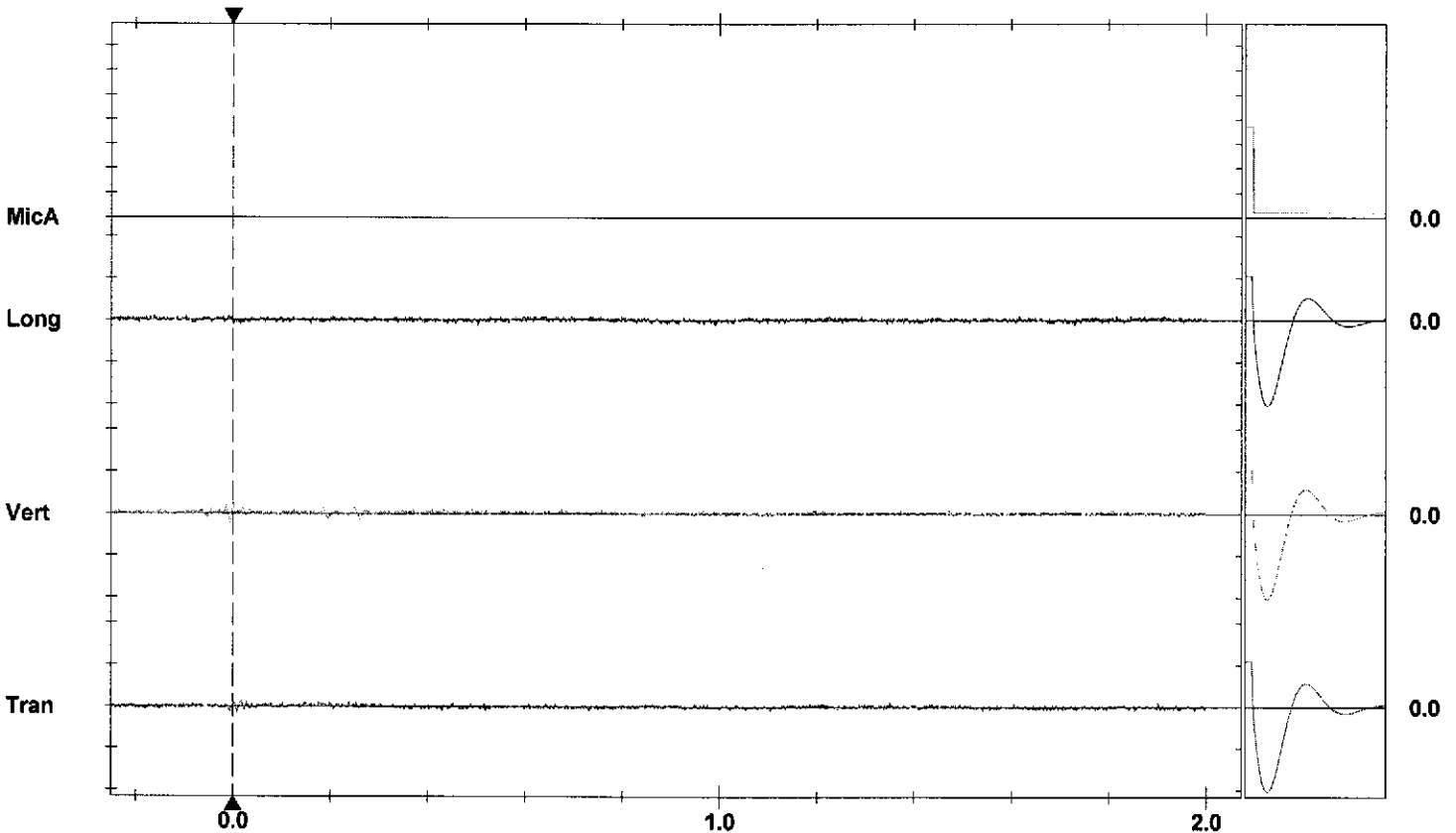
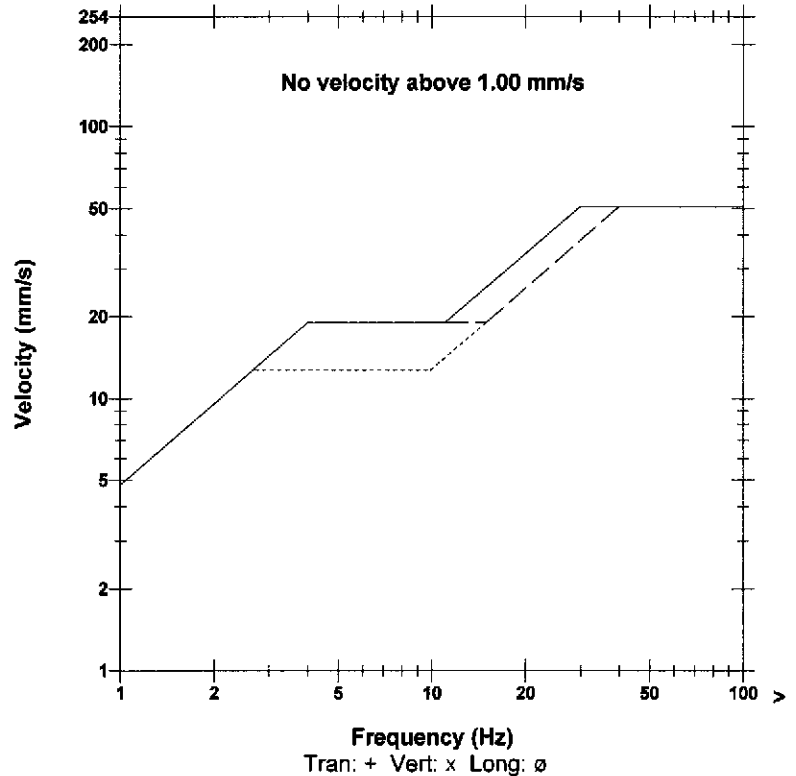
Extended Notes

Microphone 'A' Weight
PSPL <50 dB(A) 0.200 dB(A) at 1.361 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0794	0.159	0.0635	mm/s
PPV	29.0	35.0	27.1	dB
ZC Freq	85	85	>100	Hz
Time (Rel. to Trig)	0.009	0.000	0.502	sec
Peak Acceleration	0.00663	0.00994	0.00663	g
Peak Displacement	0.00014	0.00027	0.00008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.5	7.2	Hz
Overswing Ratio	3.6	3.5	3.9	

Peak Vector Sum 0.172 mm/s at 0.000 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 1.000 dB(A)/div
Trigger =

Sensor Check

Date/Time Vert at 15:17:47 June 7, 2010
Trigger Source Geo: 0.130 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps

Serial Number BA14977 V 8.12-8.0 BlastMate III
Battery Level 6.3 Volts
Unit Calibration July 23, 2009 by InstanTEL inc.
File Name P977D9T6.HNO

Notes

client: Ville de Mtl M026570-G1
 General : emp 13
 Emplacement : 13 emp 13
 Utilisateur : MC

Extended Notes

Microphone 'A' Weight
PSPL <50 dB(A) 0.100 dB(A) at -0.250 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

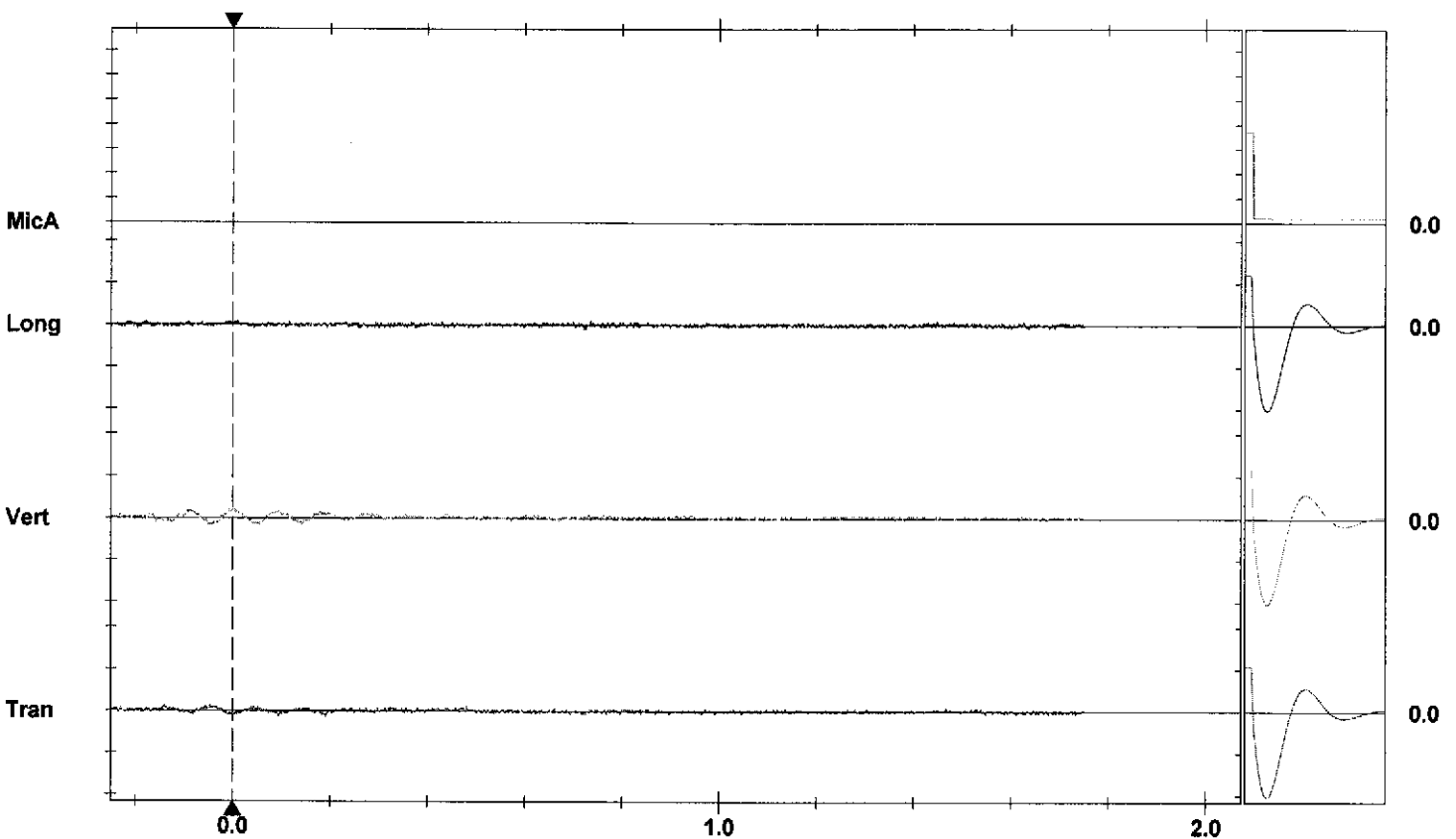
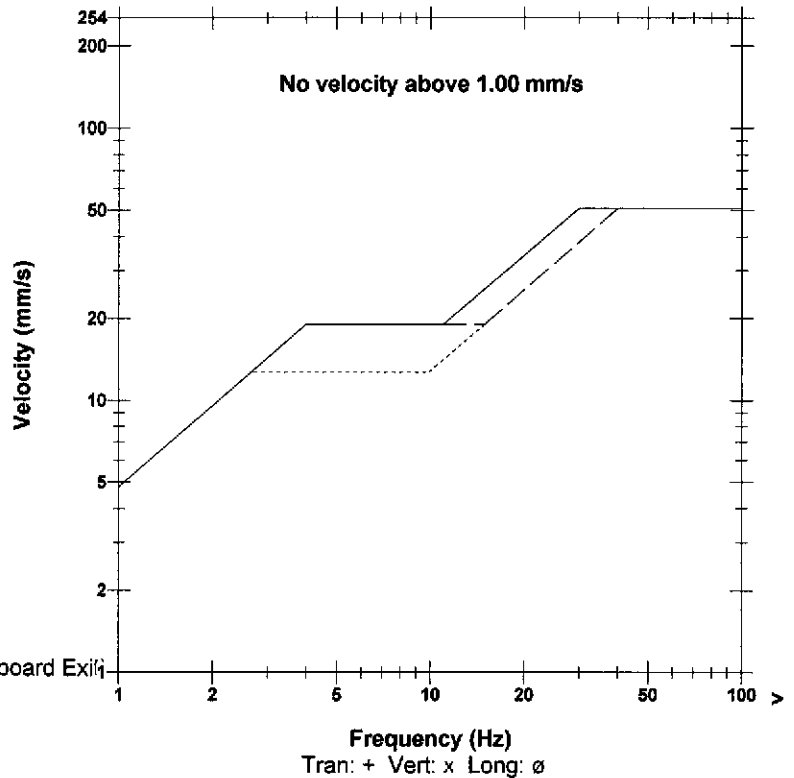
	Tran	Vert	Long	
PPV	0.0635	0.127	0.0476	mm/s
PPV	27.1	33.1	24.6	dB
ZC Freq	51	15	>100	Hz
Time (Rel. to Trig)	-0.141	0.000	-0.195	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00041	0.00132	0.00006	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.4	7.6	7.3	Hz
Overswing Ratio	3.7	3.5	3.9	

Peak Vector Sum 0.137 mm/s at 0.000 sec
N/A: Not Applicable

Monitor Log

Jun 7 /10 15:09:55 Jun 7 /10 15:17:49 Event recorded. (Keyboard Exit)

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 1.000 dB(A)/div
Trigger =

Sensor Check

Histogram Start Time 13:24:07 June 8, 2010
Histogram Finish Time 23:59:28 June 8, 2010
Number of Intervals 127 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 5.9 Volts (Battery Low)
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9UV.W70

Notes

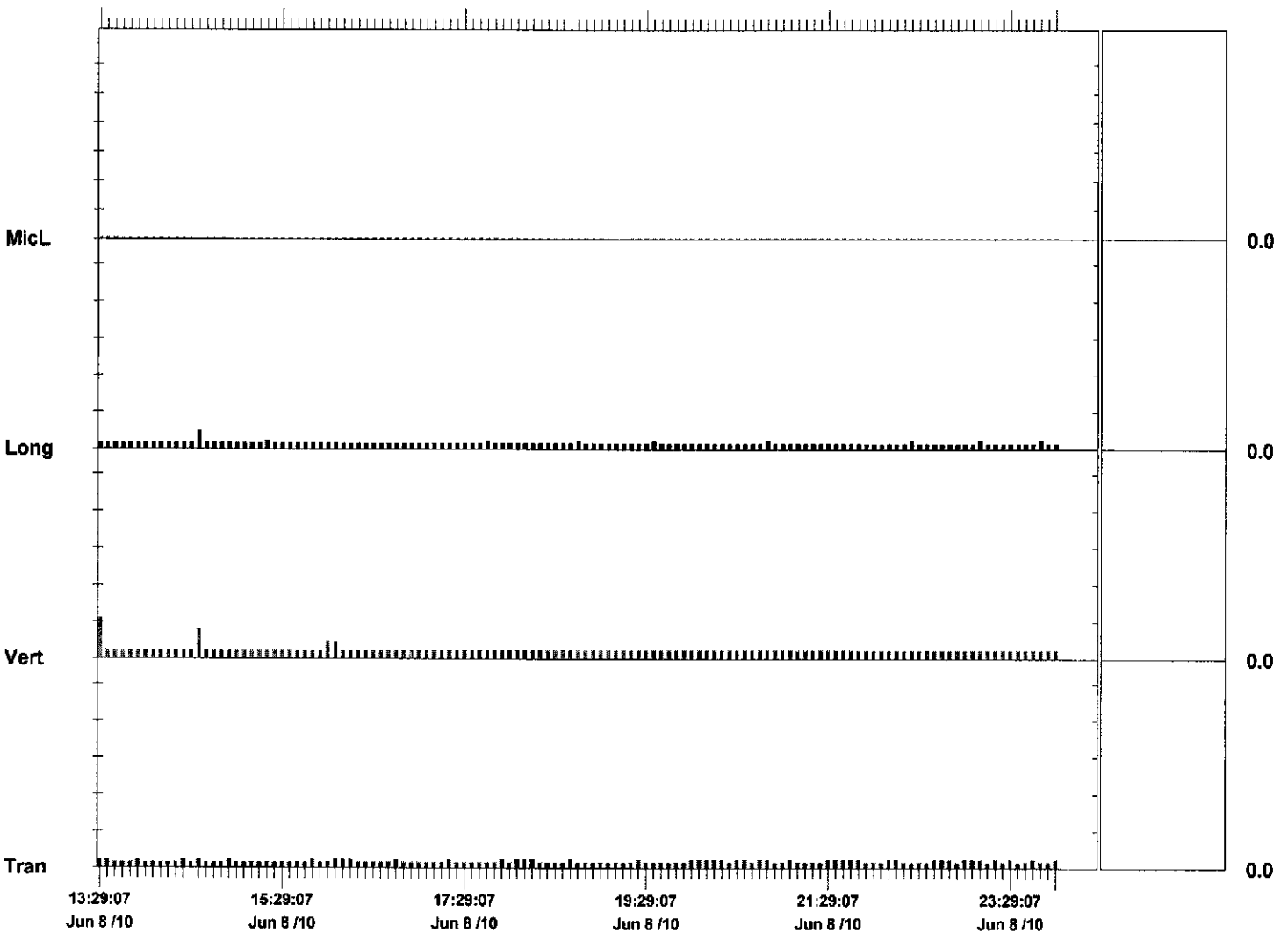
Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) on June 8, 2010 at 13:29:07
ZC Freq N/A
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.0476	0.222	0.0952	mm/s
ZC Freq	>100	>100	85	Hz
Date	Jun 8 /10	Jun 8 /10	Jun 8 /10	
Time	13:29:07	13:29:07	14:34:07	
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.223 mm/s on June 8, 2010 at 13:29:07
N/A: Not Applicable



Time Scale: 5 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Histogram Start Time 23:59:28 June 8, 2010
Histogram Finish Time 08:24:28 June 9, 2010
Number of Intervals 101 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 5.7 Volts (Battery Very Low)
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9VP.B40

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

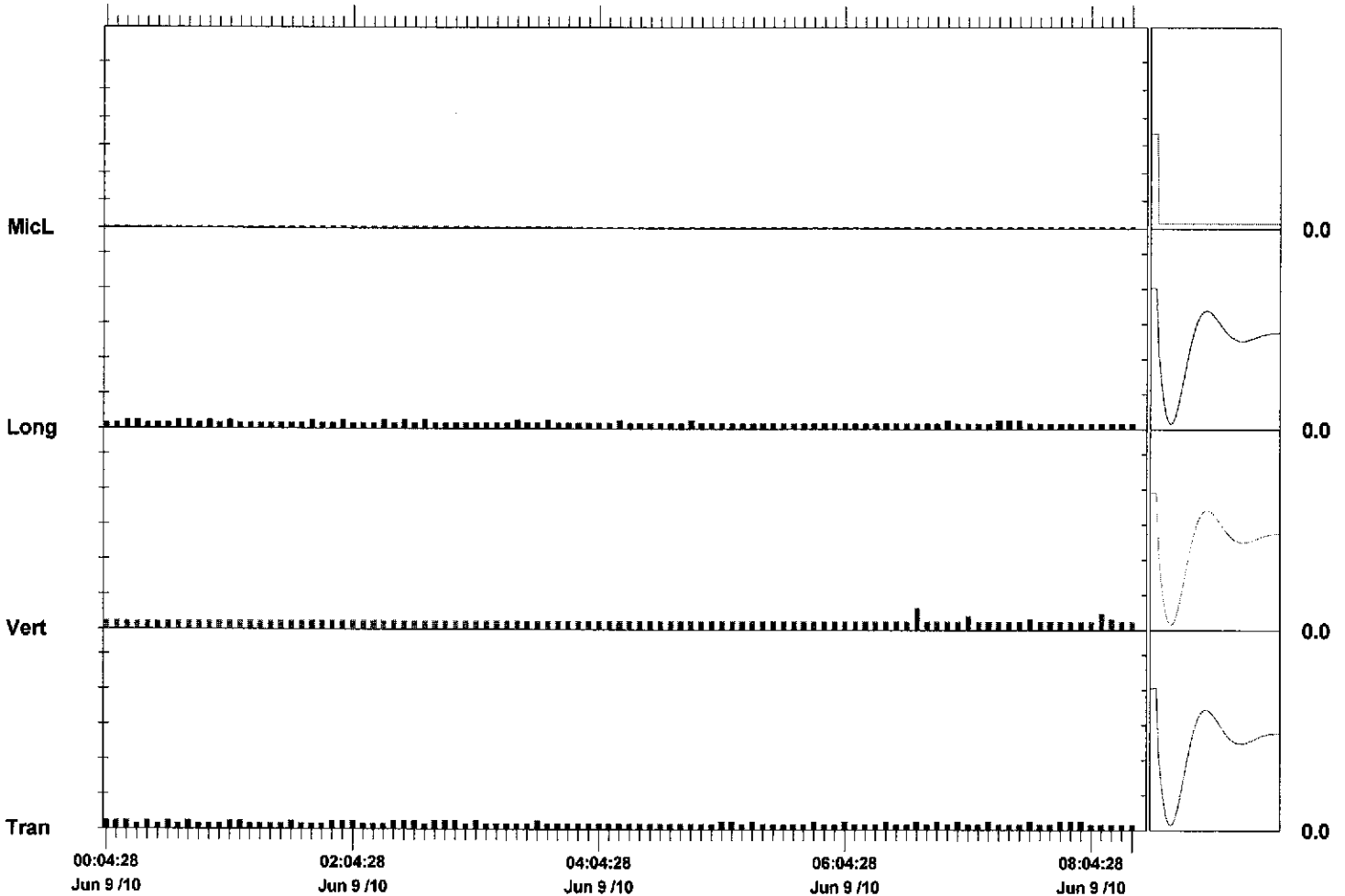
Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) on June 9, 2010 at 00:04:28
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0476	0.127	0.0476	mm/s
ZC Freq	>100	85	>100	Hz
Date	Jun 9 /10	Jun 9 /10	Jun 9 /10	
Time	00:04:28	06:39:28	00:14:28	
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.4	7.4	Hz
Overswing Ratio	3.4	3.6	3.8	

Peak Vector Sum 0.128 mm/s on June 9, 2010 at 06:39:28
N/A: Not Applicable

Monitor Log

Jun 8 /10 23:59:28 Jun 9 /10 08:24:28 Event recorded. (Battery Low Exit)



Time Scale: 5 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Histogram Start Time 07:13:50 June 10, 2010
Histogram Finish Time 23:59:28 June 10, 2010
Number of Intervals 201 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y4.320

Notes

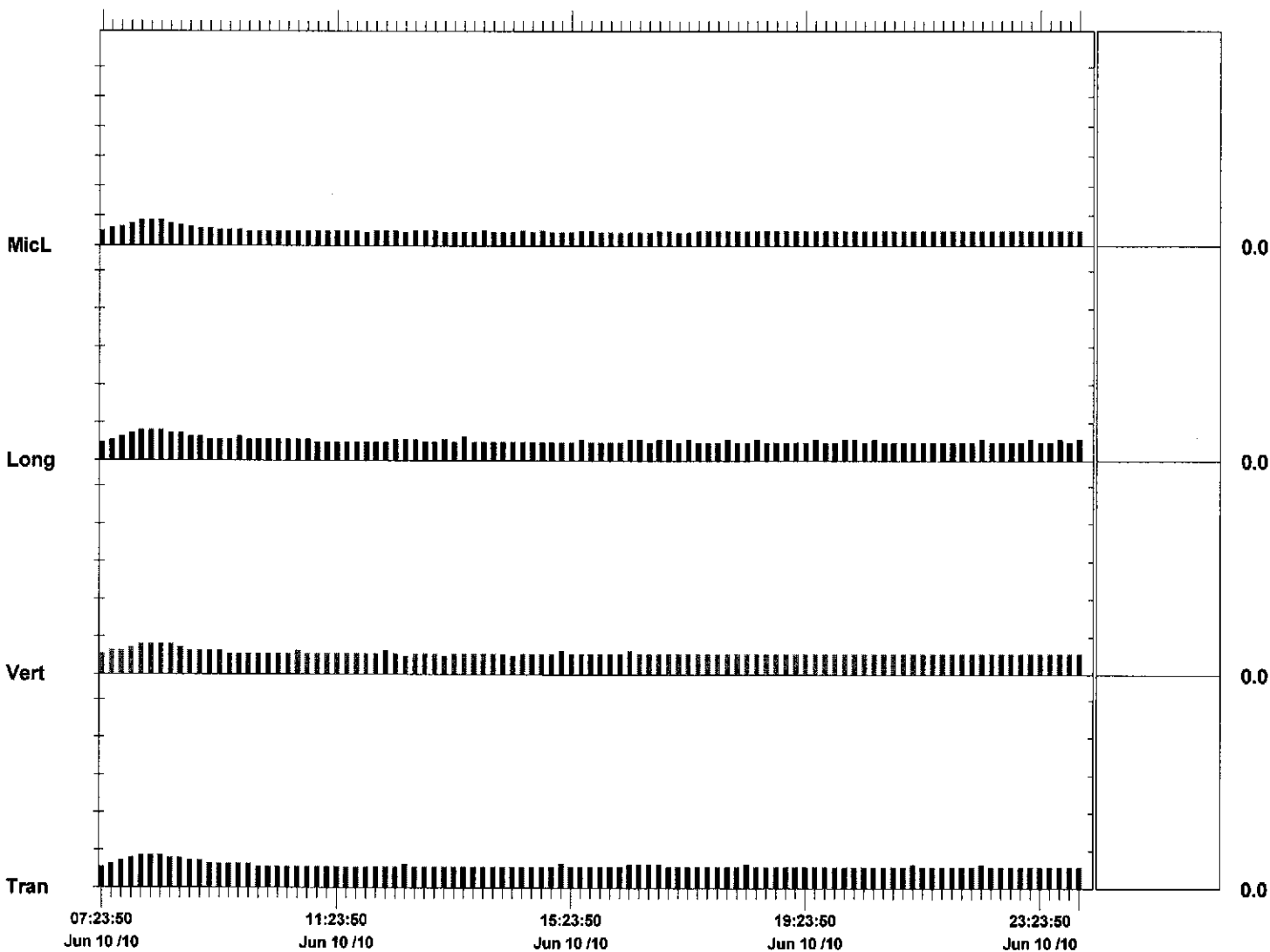
Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

Microphone Linear Weighting
PSPL 106.5 dB(L) 4.25 pa.(L) on June 10, 2010 at 08:03:50
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.175	0.159	0.159	mm/s
ZC Freq	64	64	64	Hz
Date	Jun 10 /10	Jun 10 /10	Jun 10 /10	
Time	07:58:50	07:58:50	08:03:50	
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.267 mm/s on June 10, 2010 at 08:03:50



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Tran at 07:39:30 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by Instantel Inc.
File Name I903D9Y5.9U0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

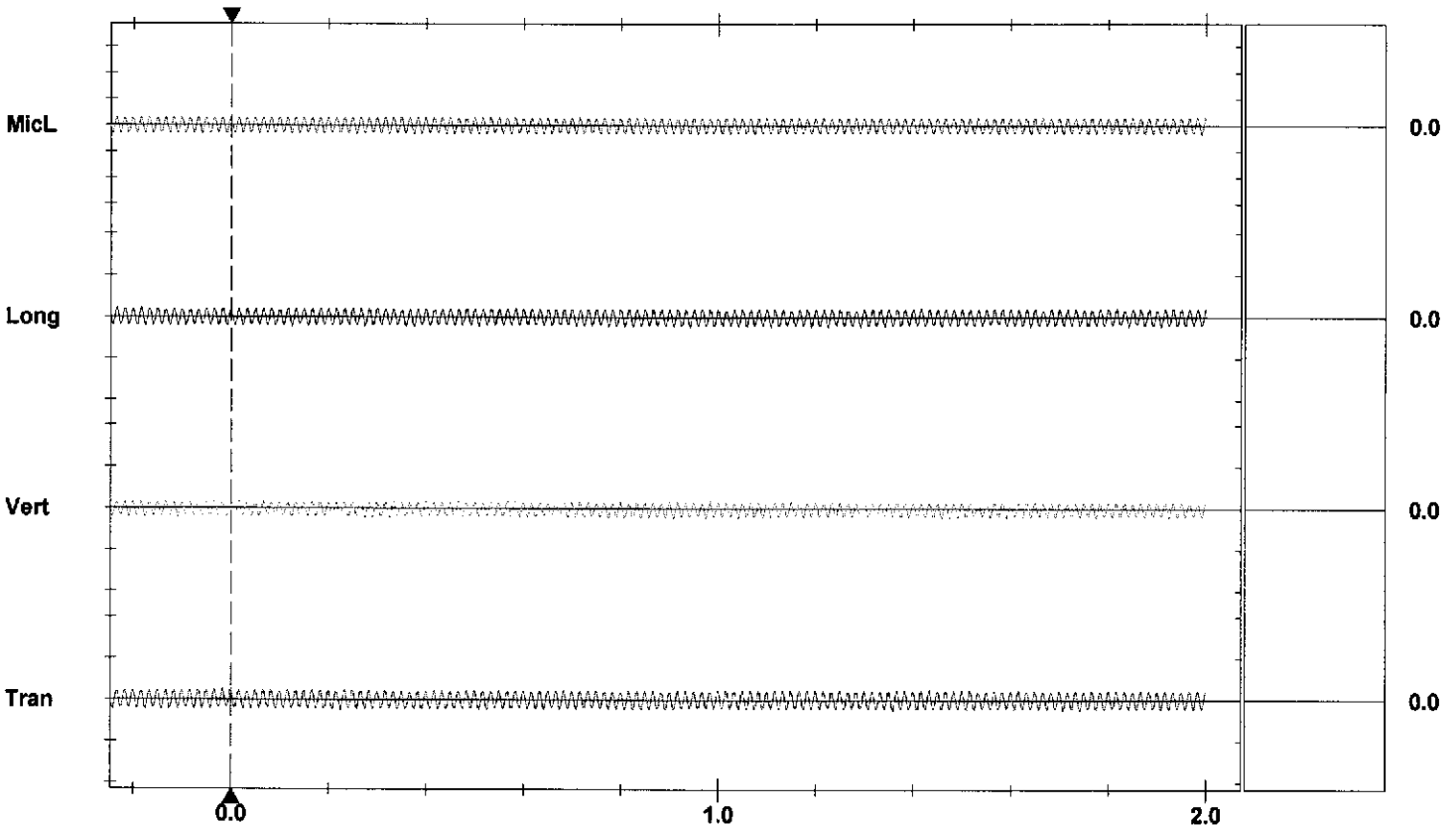
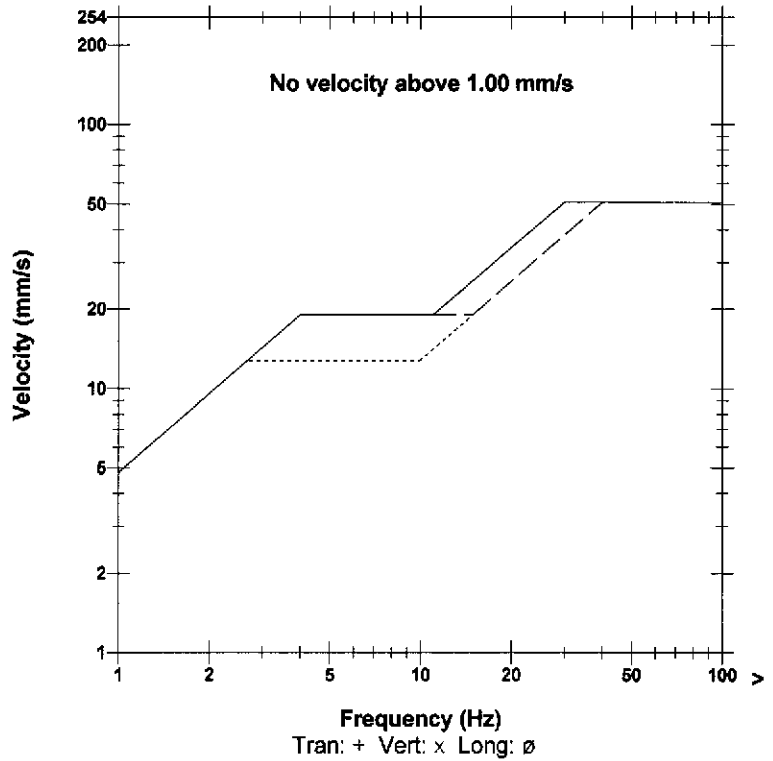
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at 0.507 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.111	0.111	mm/s
PPV	34.1	31.9	31.9	dB
ZC Freq	64	64	64	Hz
Time (Rel. to Trig)	0.000	-0.210	-0.233	sec
Peak Acceleration	0.0116	0.00829	0.00829	g
Peak Displacement	0.00033	0.00030	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.192 mm/s at 0.158 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 07:40:54 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903D9Y5.C60

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

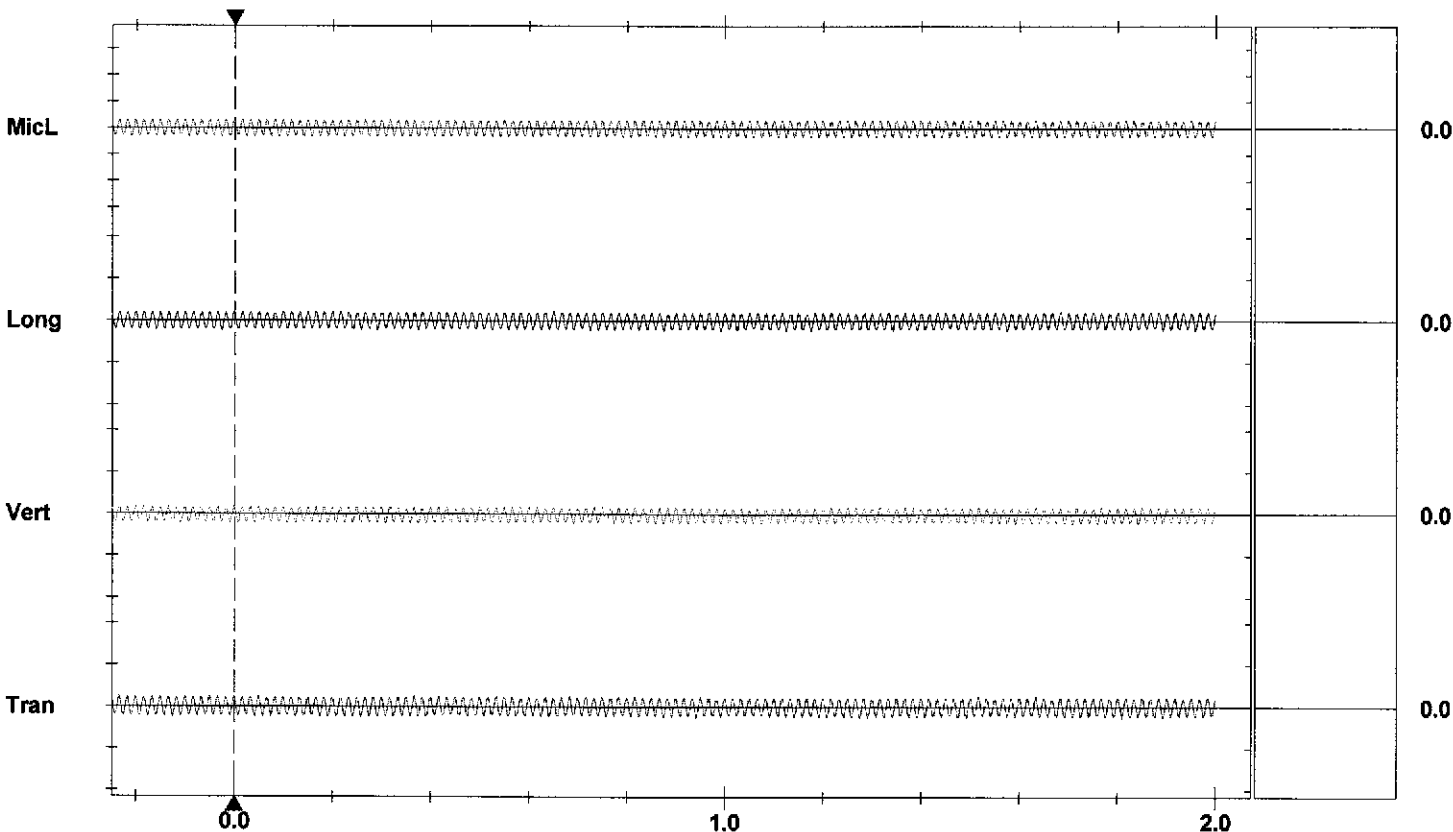
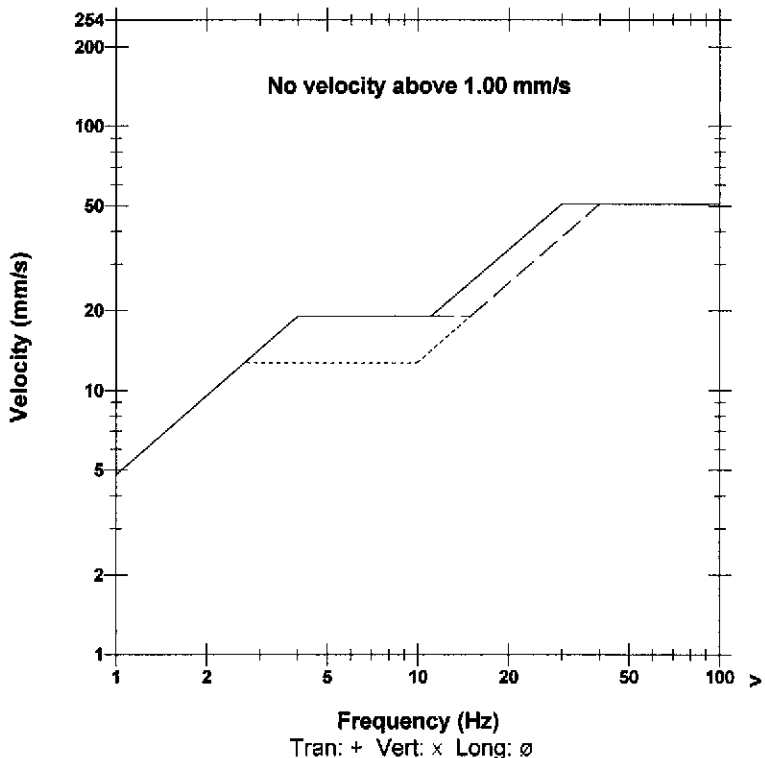
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at 0.624 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.111	0.111	mm/s
PPV	34.1	31.9	31.9	dB
ZC Freq	64	73	73	Hz
Time (Rel. to Trig)	0.000	-0.176	-0.192	sec
Peak Acceleration	0.00829	0.00829	0.00829	g
Peak Displacement	0.00033	0.00030	0.00031	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.194 mm/s at 0.125 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 07:41:02 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y5.CEO

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

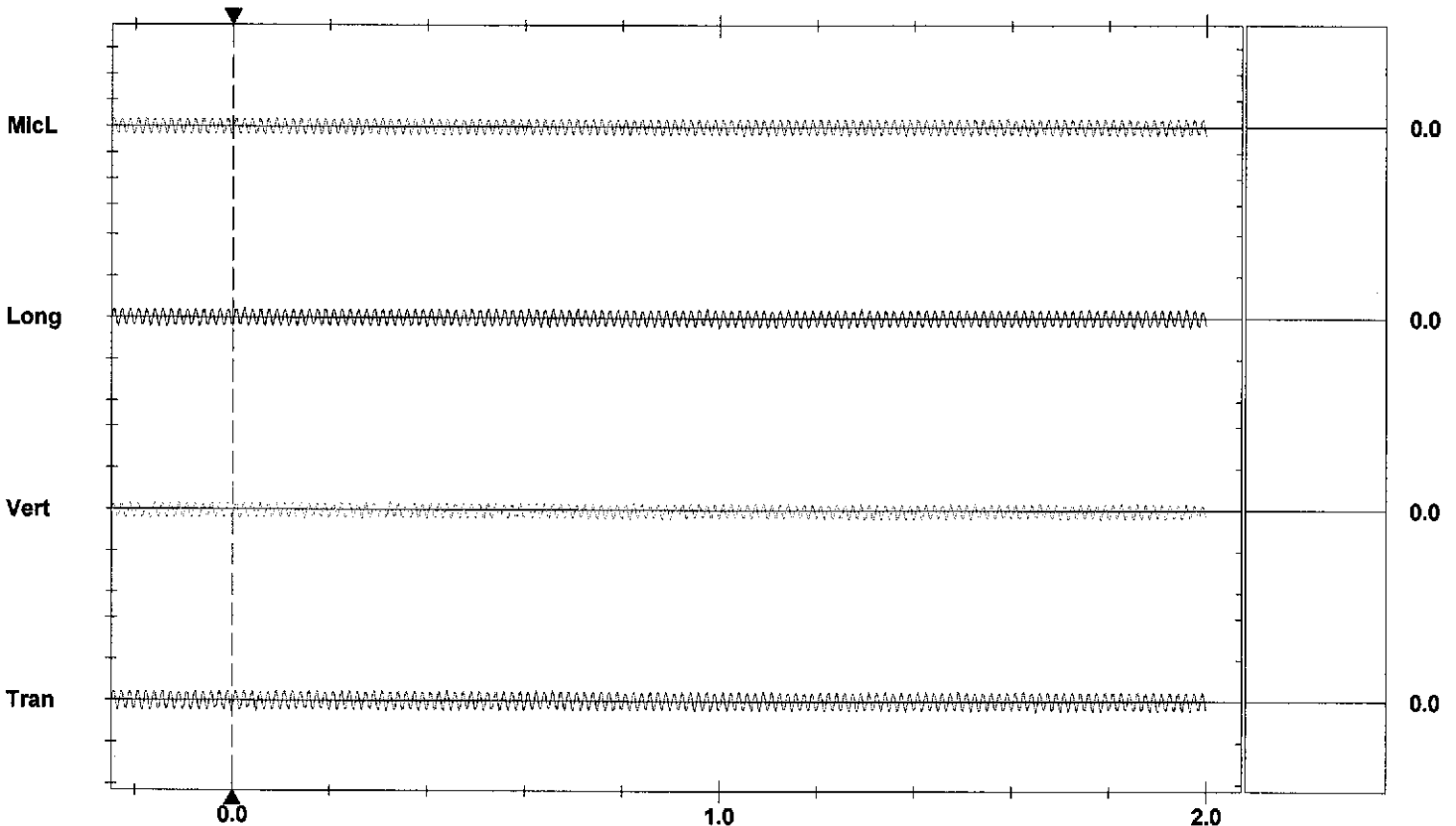
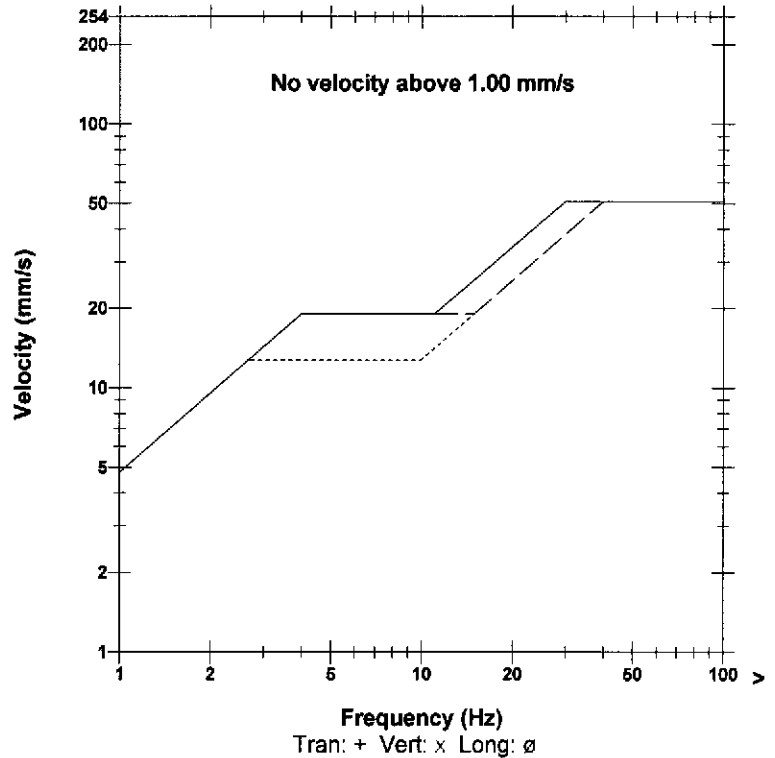
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.169 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.111	0.127	mm/s
PPV	34.1	31.9	33.1	dB
ZC Freq	64	57	57	Hz
Time (Rel. to Trig)	0.000	-0.218	1.291	sec
Peak Acceleration	0.00994	0.00829	0.00829	g
Peak Displacement	0.00033	0.00033	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.192 mm/s at -0.068 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 07:41:43 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903D9Y5.DJ0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

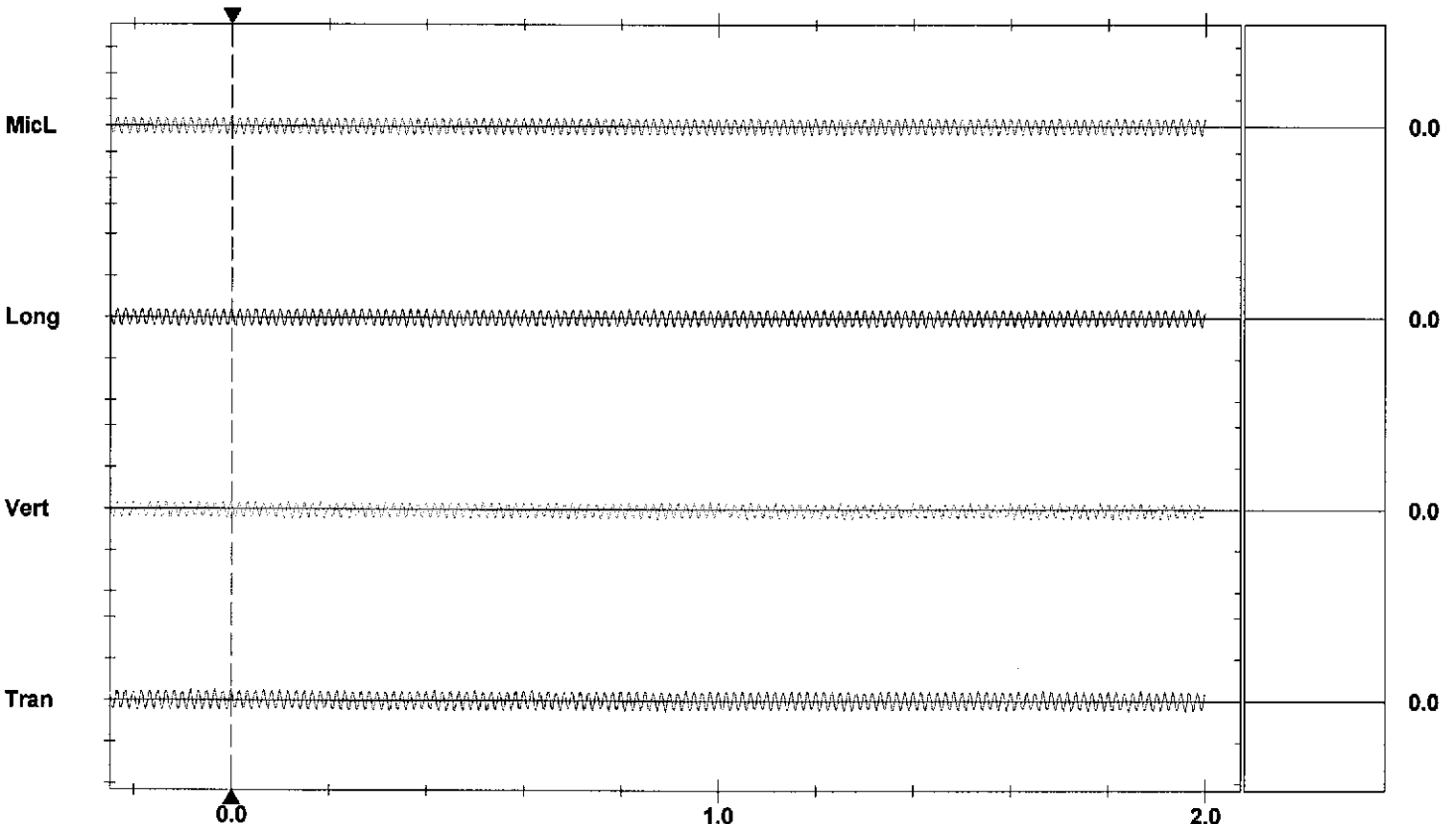
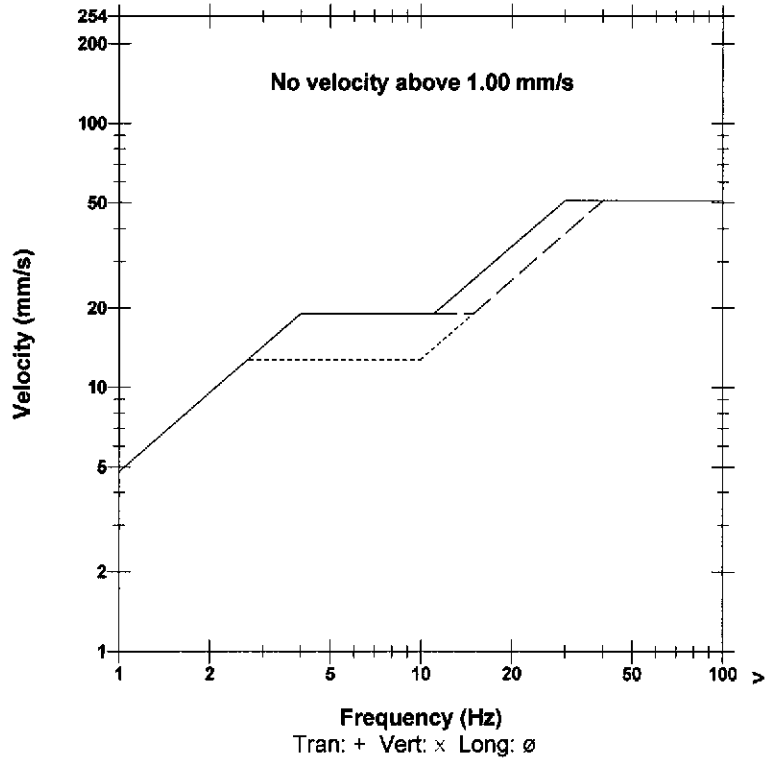
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.210 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.111	mm/s
PPV	34.1	33.1	31.9	dB
ZC Freq	57	64	64	Hz
Time (Rel. to Trig)	0.000	0.875	-0.109	sec
Peak Acceleration	0.00994	0.00829	0.00829	g
Peak Displacement	0.00033	0.00032	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.202 mm/s at 0.458 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 07:41:53 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y5.DT0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

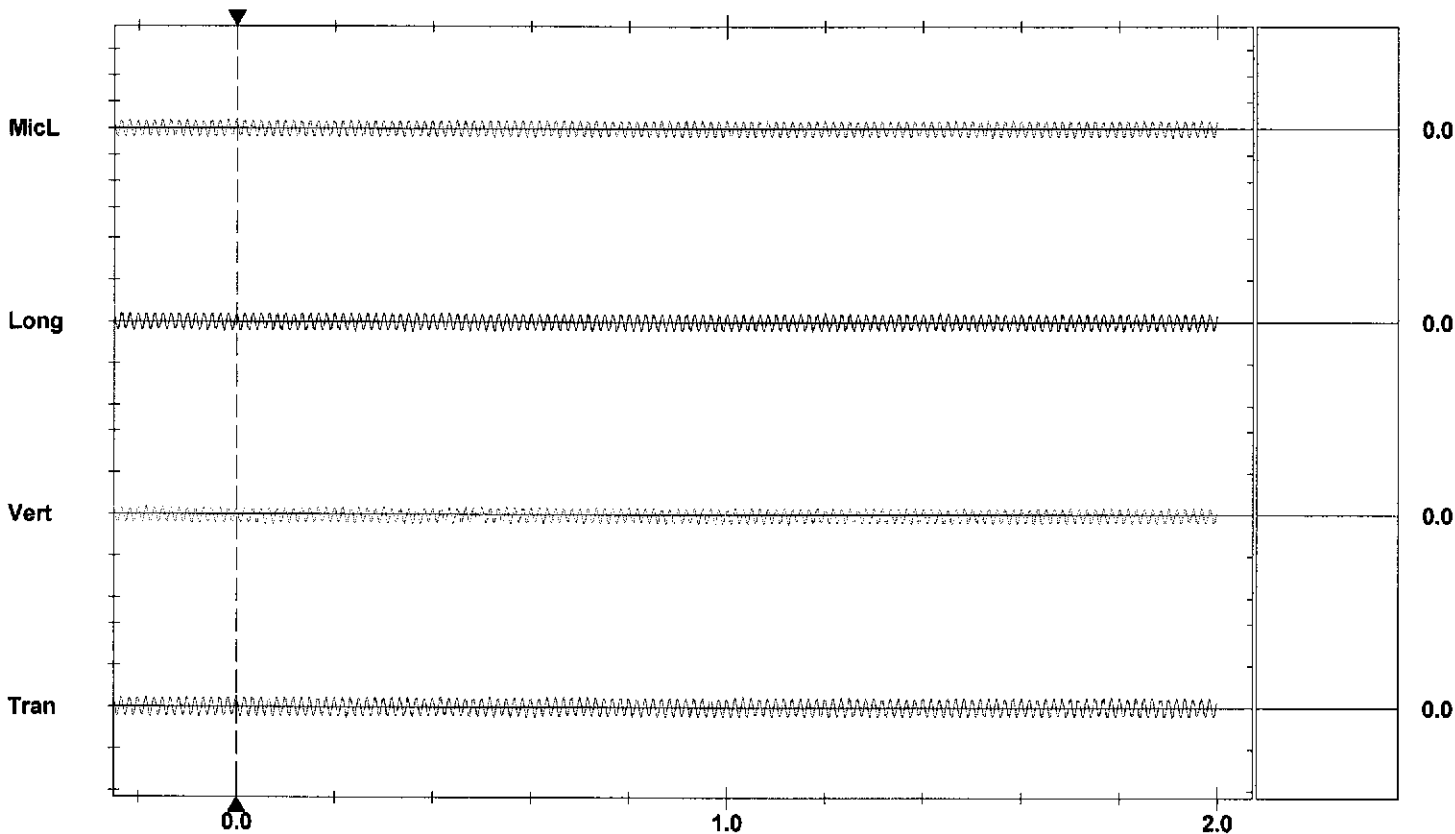
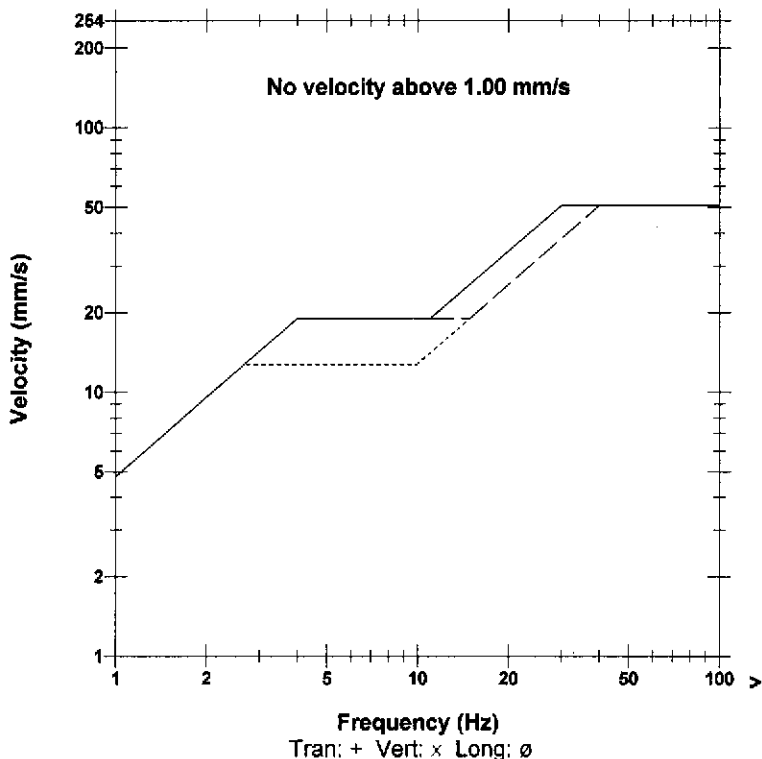
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.160 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.111	mm/s
PPV	34.1	33.1	31.9	dB
ZC Freq	57	73	64	Hz
Time (Rel. to Trig)	0.000	0.058	-0.026	sec
Peak Acceleration	0.00829	0.00829	0.00663	g
Peak Displacement	0.00034	0.00031	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.194 mm/s at 0.075 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 07:41:58 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by Instantel Inc.
File Name I903D9Y5.DY0

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting

PSPL 104.2 dB(L) 3.25 pa.(L) at -0.076 sec

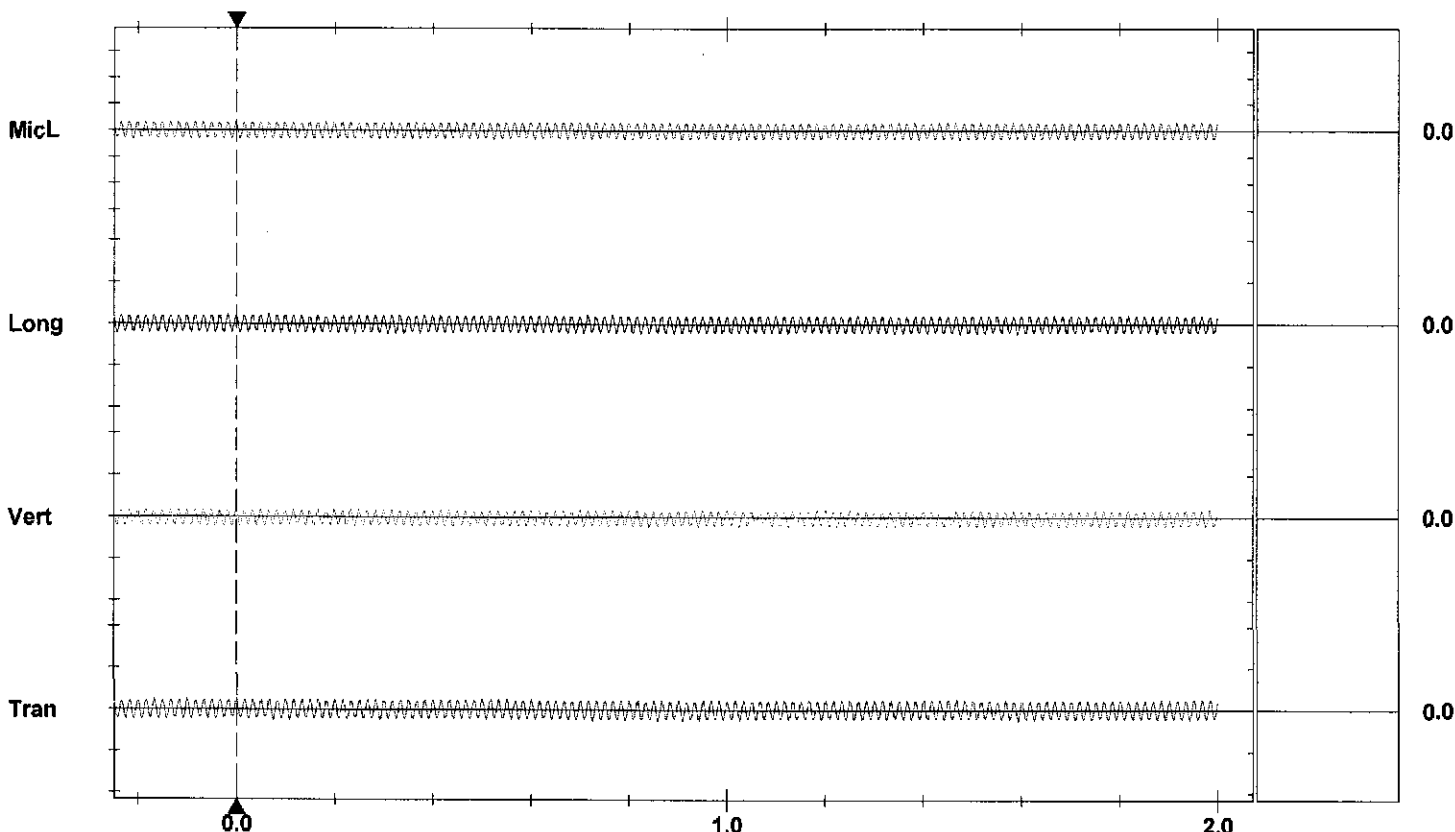
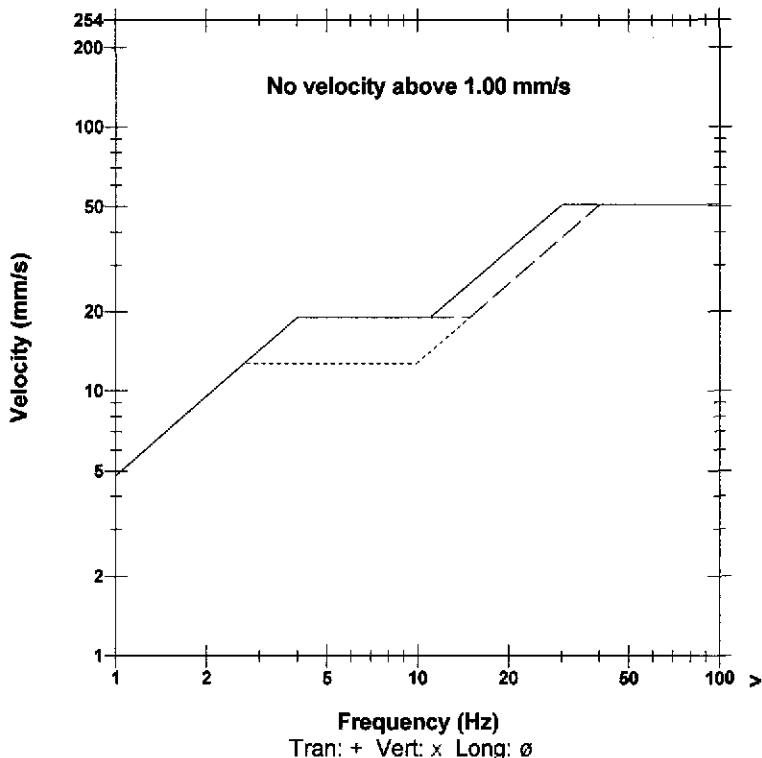
ZC Freq 64 Hz

Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.111	0.111	mm/s
PPV	34.1	31.9	31.9	dB
ZC Freq	57	64	64	Hz
Time (Rel. to Trig)	0.000	-0.242	-0.242	sec
Peak Acceleration	0.00829	0.00829	0.00829	g
Peak Displacement	0.00035	0.00029	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.202 mm/s at 0.291 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 07:42:44 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y5.F80

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

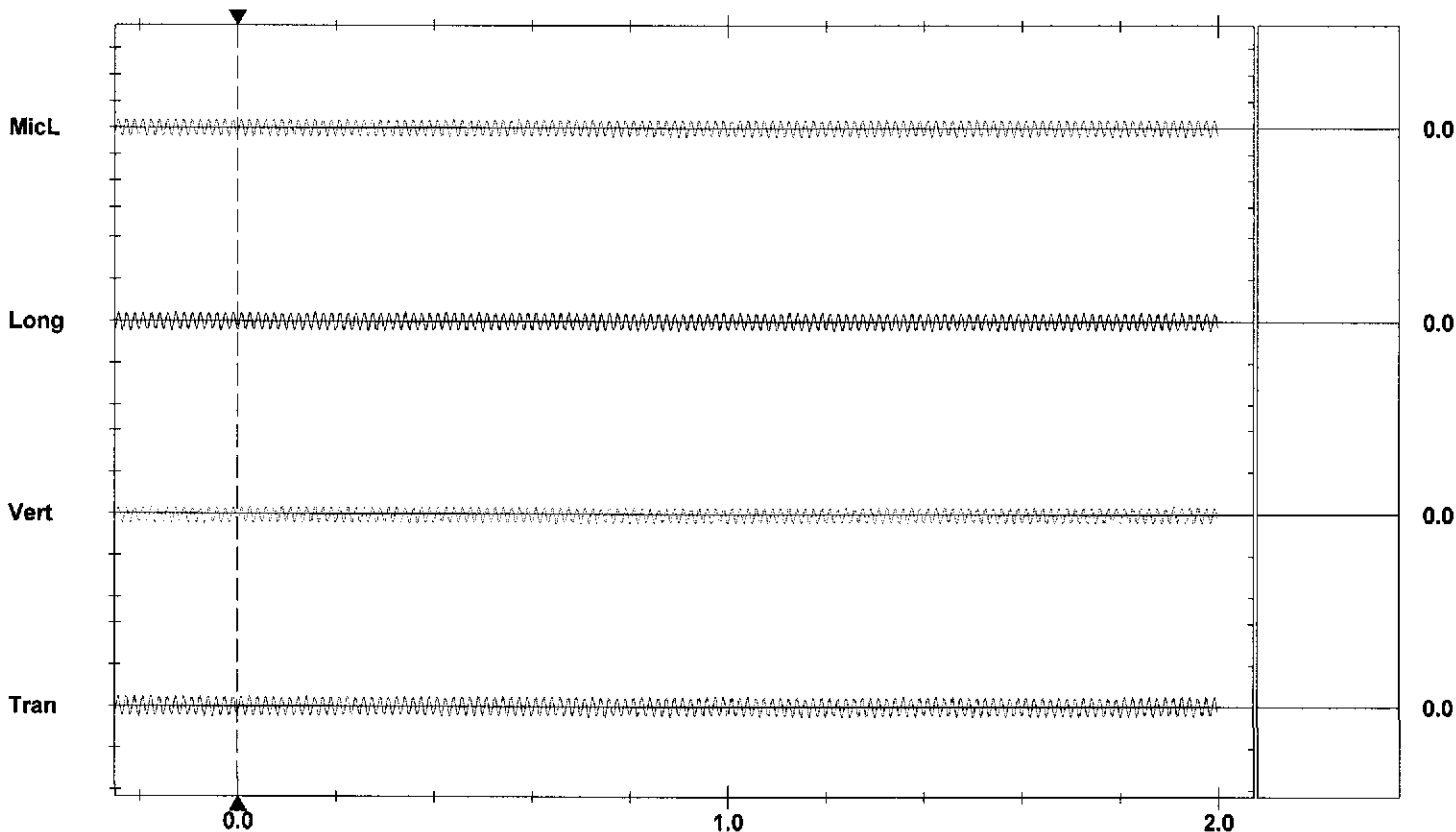
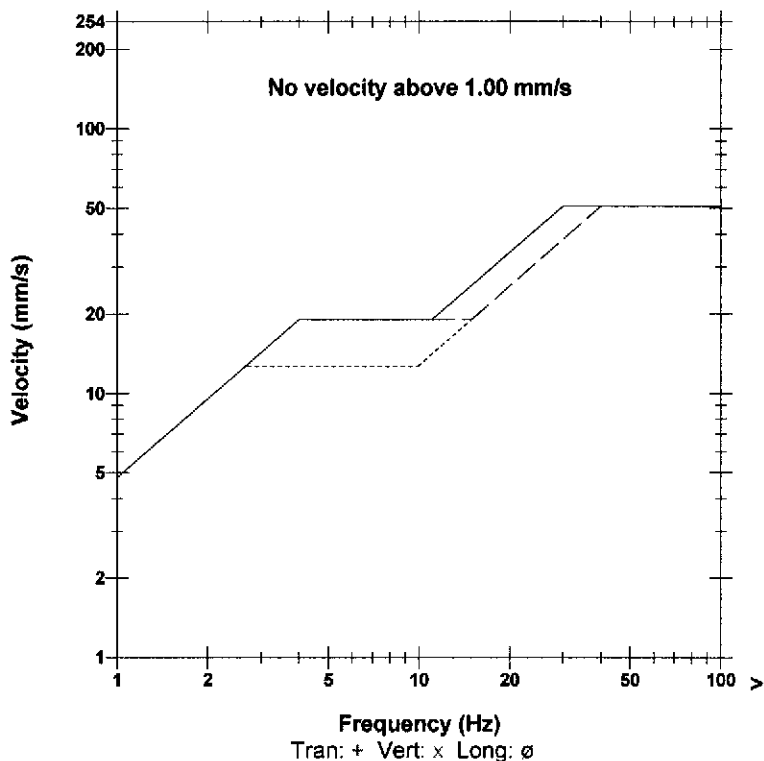
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.234 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.111	mm/s
PPV	34.1	33.1	31.9	dB
ZC Freq	64	64	73	Hz
Time (Rel. to Trig)	0.000	-0.133	-0.242	sec
Peak Acceleration	0.00994	0.00829	0.00829	g
Peak Displacement	0.00035	0.00033	0.00030	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.205 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 07:42:53 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y5.FH0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

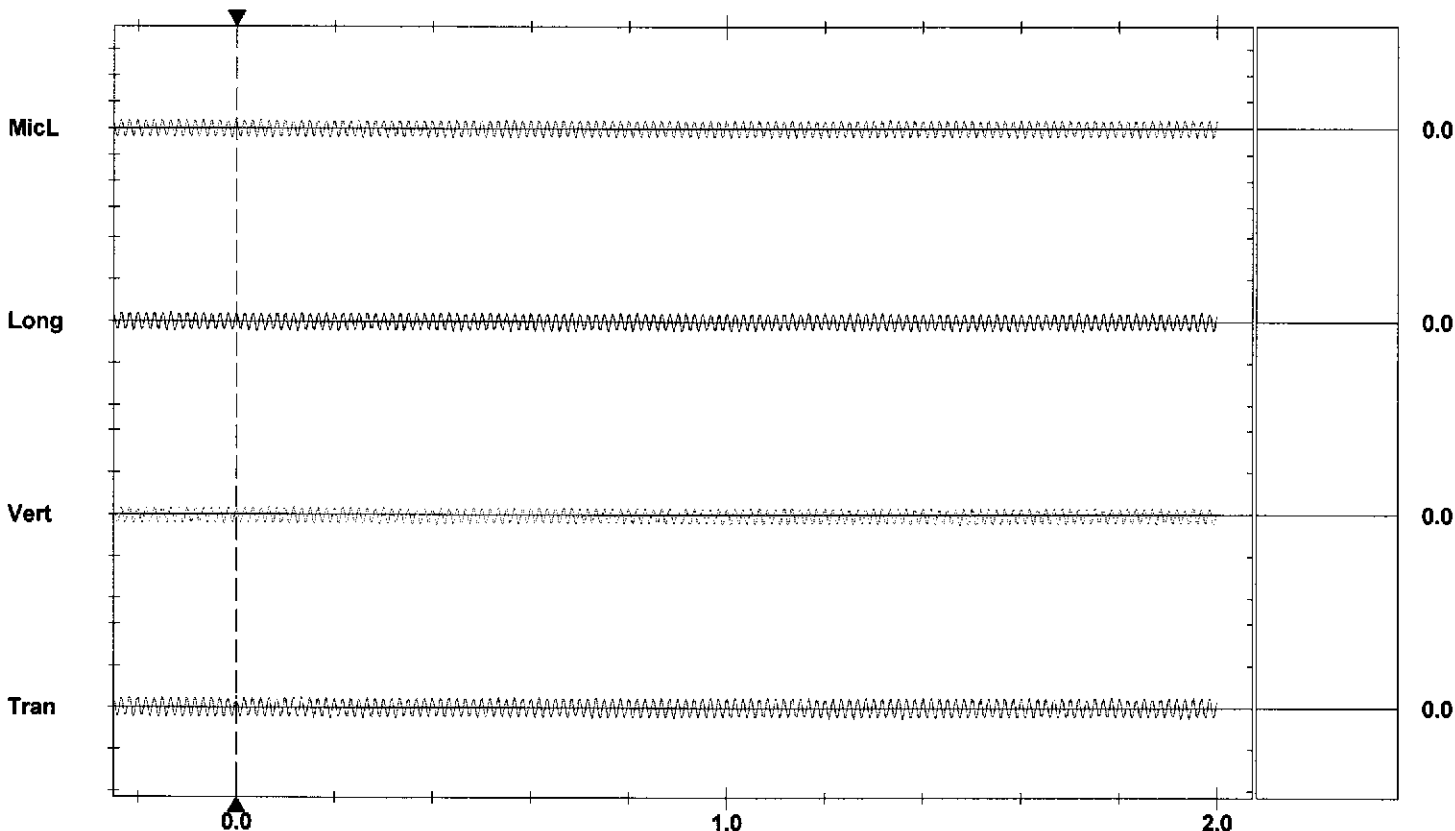
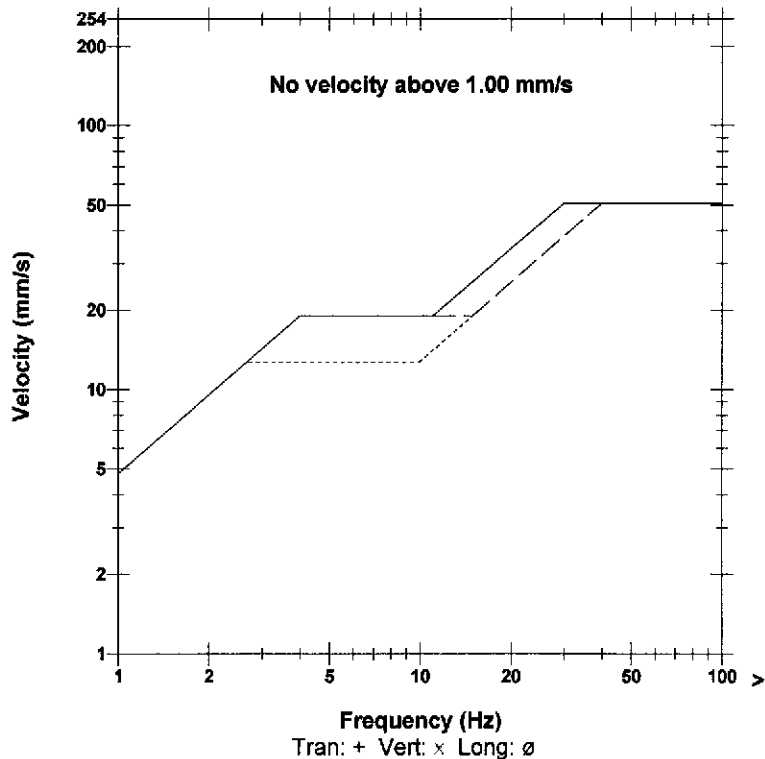
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.210 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.111	mm/s
PPV	34.1	33.1	31.9	dB
ZC Freq	64	57	73	Hz
Time (Rel. to Trig)	0.000	0.408	-0.210	sec
Peak Acceleration	0.00994	0.00994	0.00829	g
Peak Displacement	0.00033	0.00032	0.00029	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.202 mm/s at 1.476 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 07:42:56 June 10, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.5 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903D9Y5.FK0

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

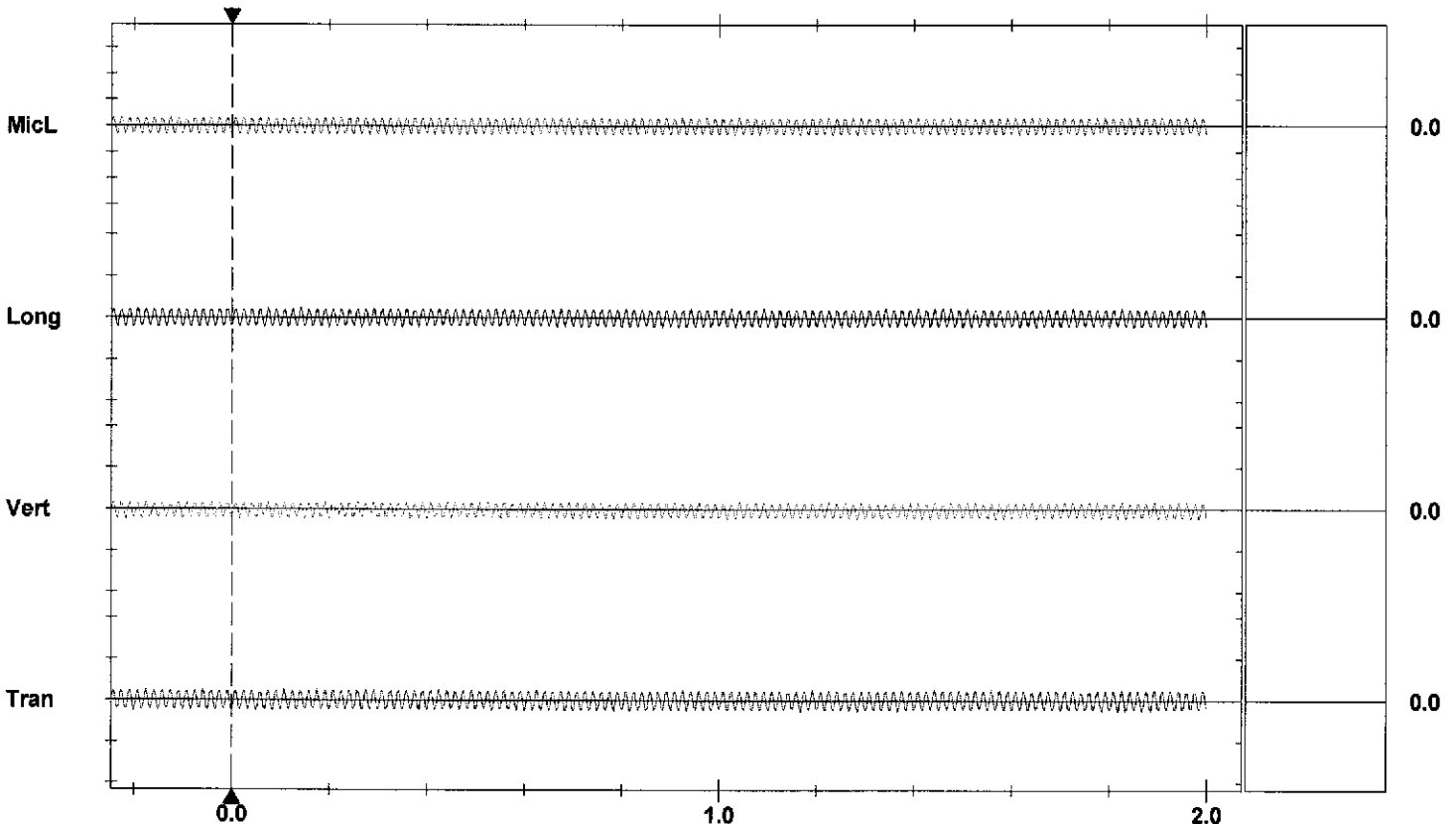
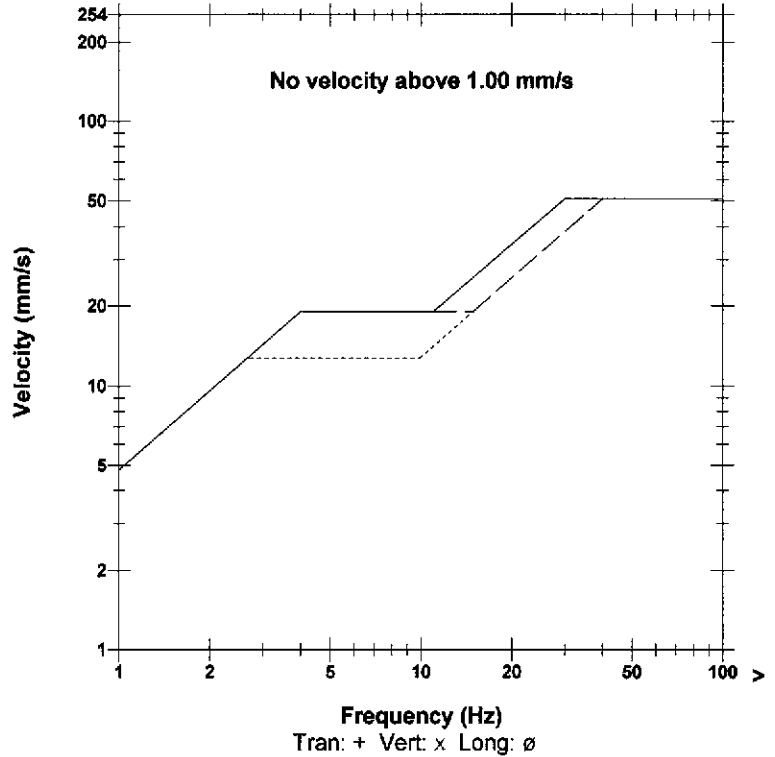
Combo Mode June 10, 2010 07:13:49

Microphone Linear Weighting
PSPL 104.2 dB(L) 3.25 pa.(L) at -0.219 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.111	mm/s
PPV	34.1	33.1	31.9	dB
ZC Freq	64	64	85	Hz
Time (Rel. to Trig)	0.000	-0.217	-0.234	sec
Peak Acceleration	0.00829	0.00829	0.00829	g
Peak Displacement	0.00035	0.00032	0.00030	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.194 mm/s at -0.217 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Histogram Start Time 23:59:35 June 10, 2010
Histogram Finish Time 23:59:28 June 11, 2010
Number of Intervals 287 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903D9ZE.NB0

Notes

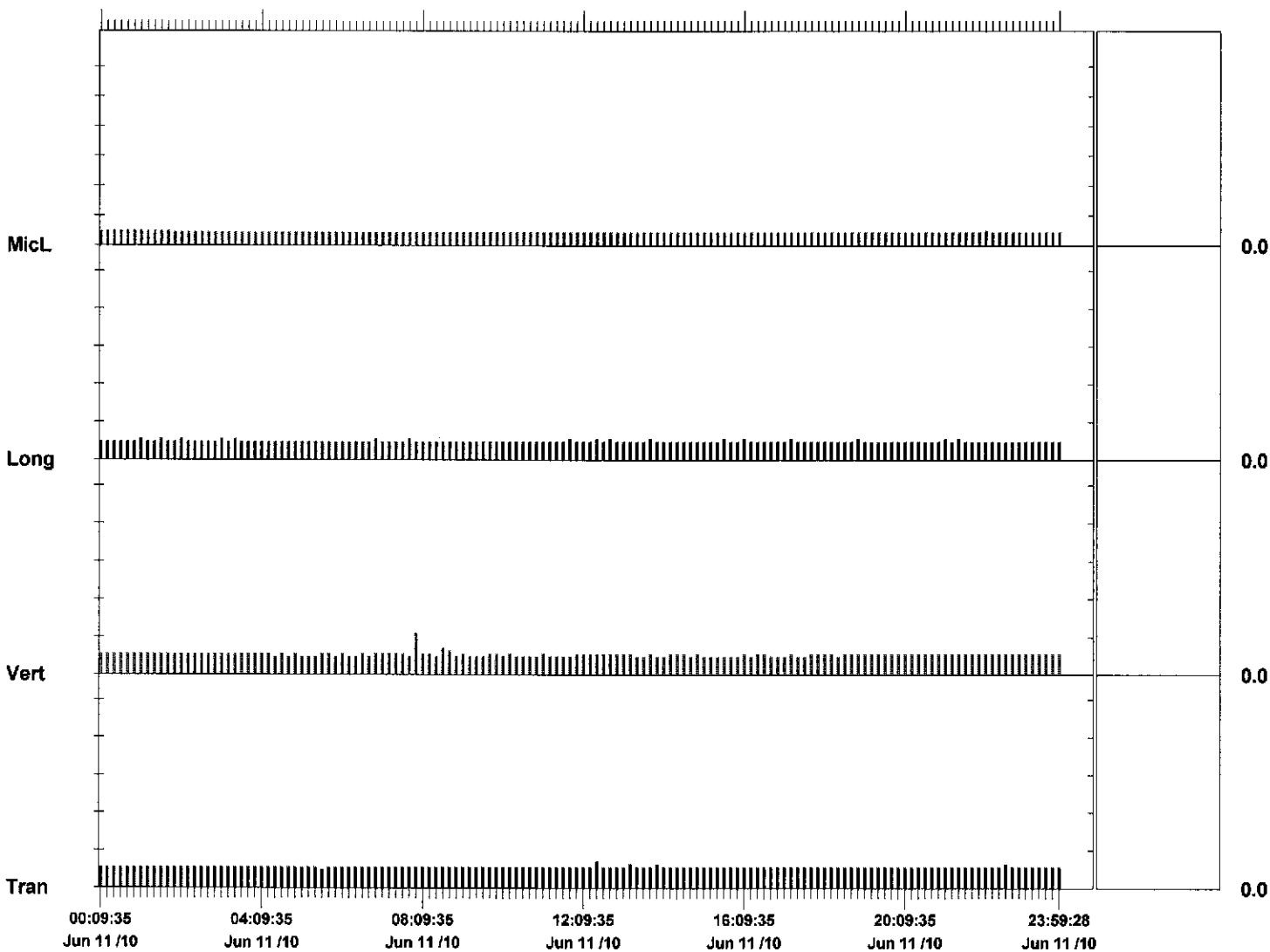
Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

Microphone Linear Weighting
PSPL 101.9 dB(L) 2.50 pa.(L) on June 11, 2010 at 00:04:35
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.222	0.111	mm/s
ZC Freq	73	73	64	Hz
Date	Jun 11 /10	Jun 11 /10	Jun 11 /10	
Time	12:29:35	07:54:35	01:09:35	
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.230 mm/s on June 11, 2010 at 07:54:35



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Vert at 07:52:33 June 11, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA00.JLO

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

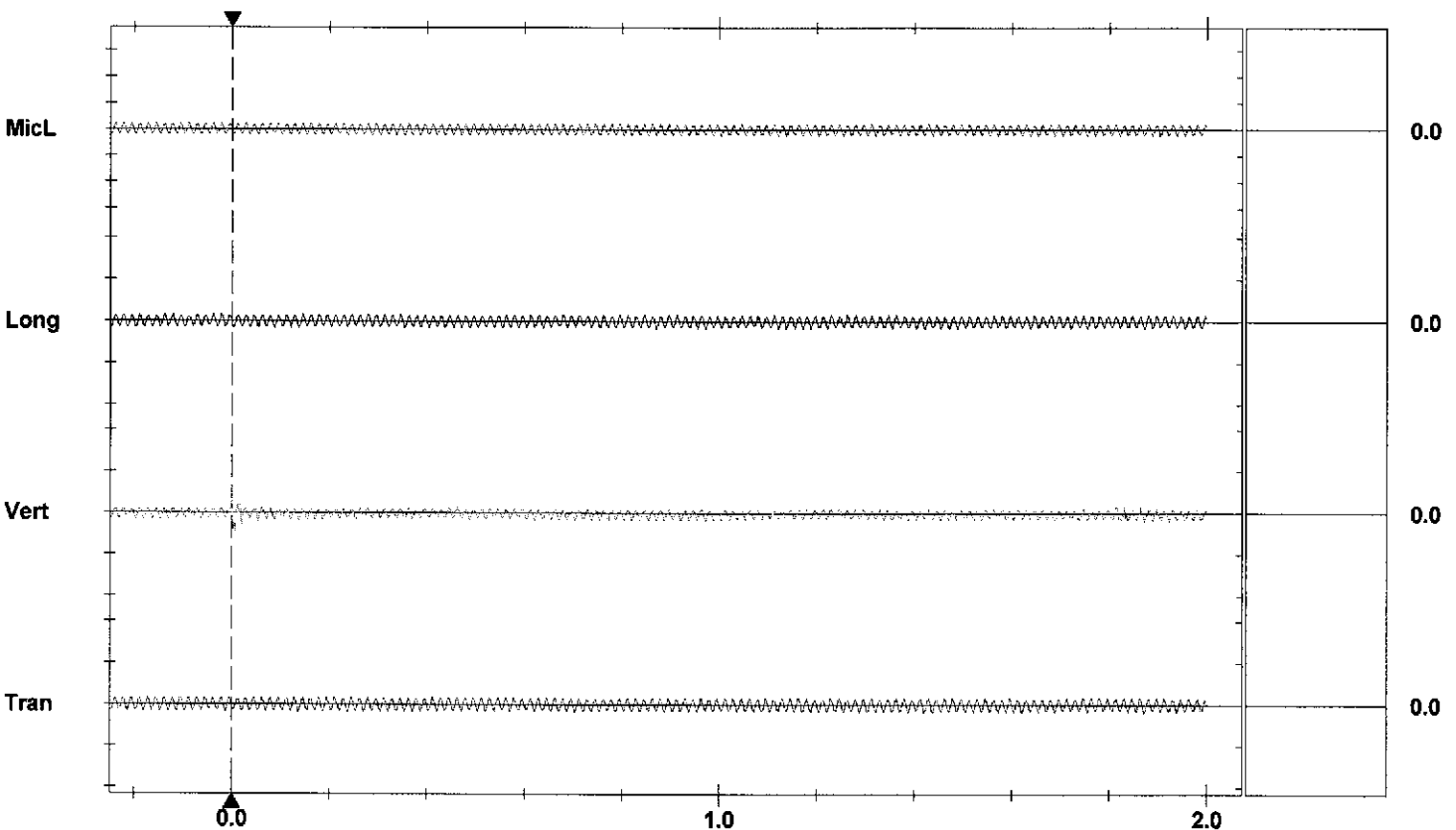
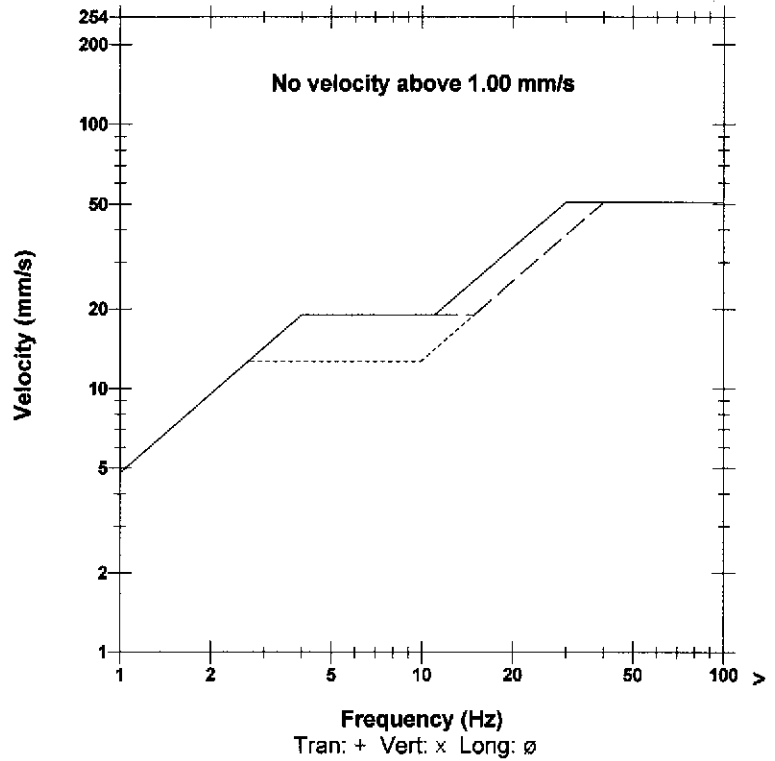
Combo Mode June 10, 2010 23:59:35

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at 0.203 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.0952	0.222	0.0952	mm/s
PPV	30.6	37.9	30.6	dB
ZC Freq	73	73	73	Hz
Time (Rel. to Trig)	-0.013	0.007	1.263	sec
Peak Acceleration	0.00663	0.0199	0.00663	g
Peak Displacement	0.00023	0.00051	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.230 mm/s at 0.003 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Vert at 08:35:41 June 11, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA02.JH0

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

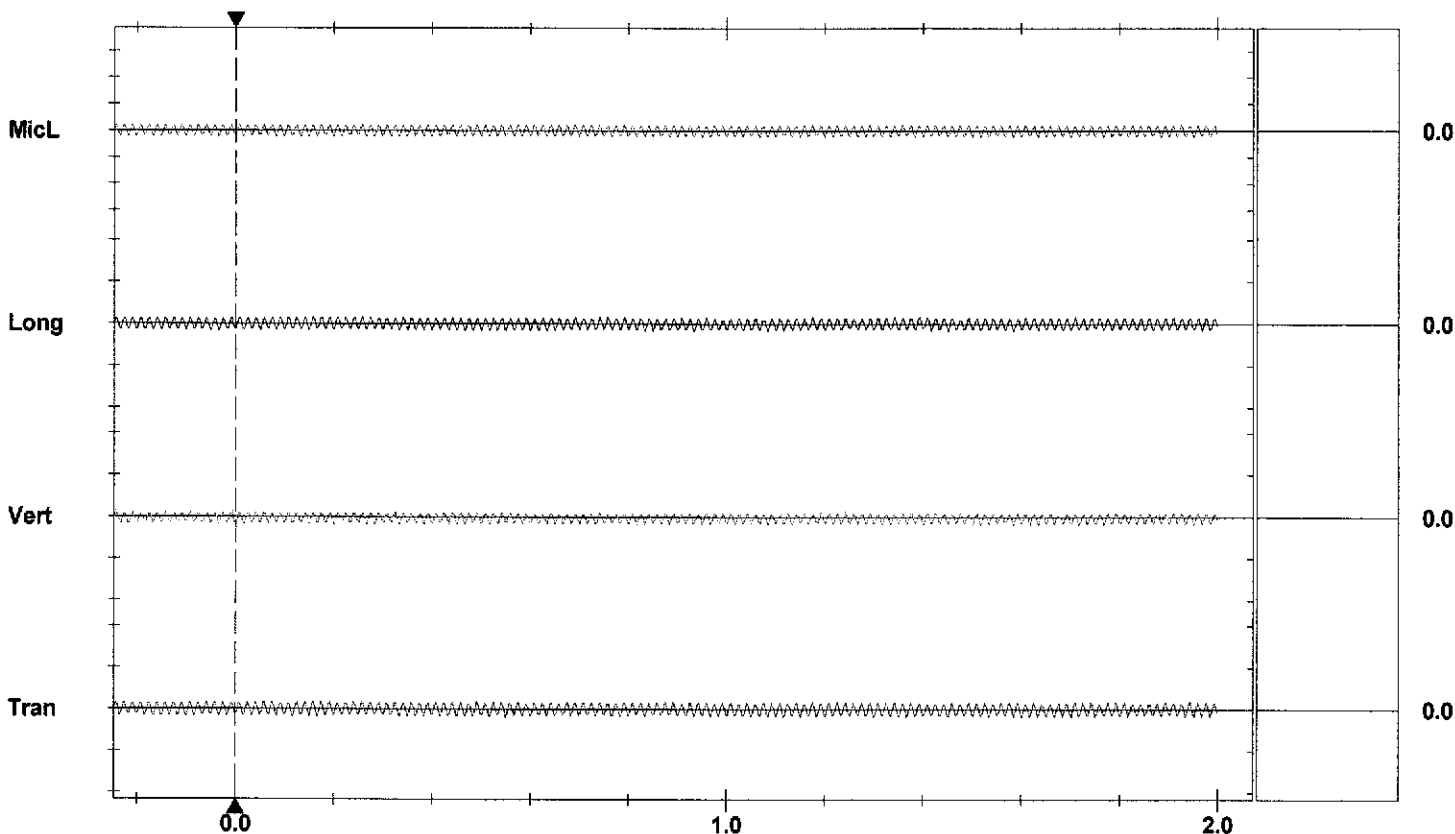
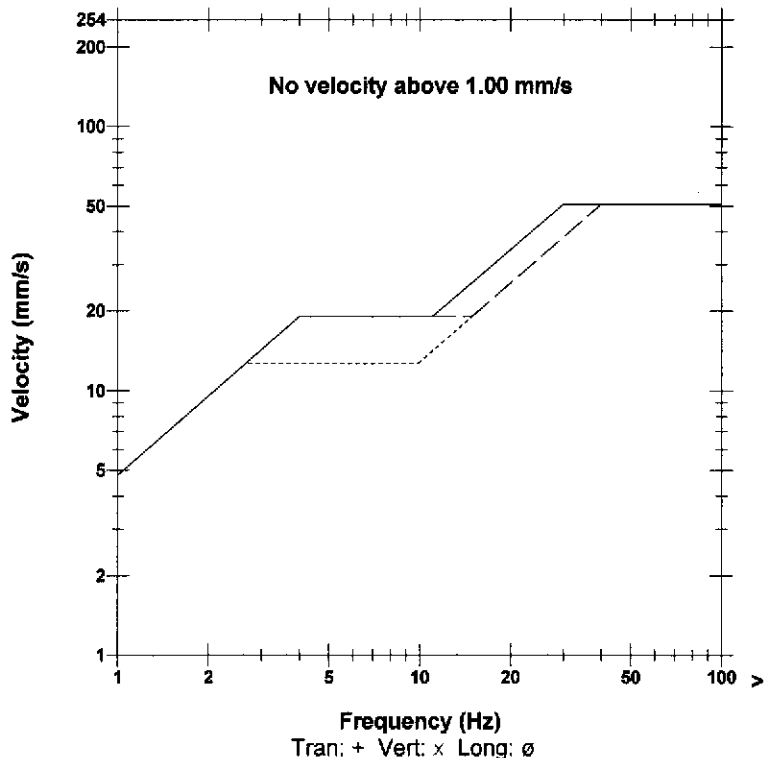
Combo Mode June 10, 2010 23:59:35

Microphone Linear Weighting
PSPL 100.0 dB(L) 2.00 pa.(L) at -0.243 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.0952	0.143	0.0794	mm/s
PPV	30.6	34.1	29.0	dB
ZC Freq	64	73	64	Hz
Time (Rel. to Trig)	0.491	0.000	-0.168	sec
Peak Acceleration	0.00663	0.00994	0.00663	g
Peak Displacement	0.00022	0.00026	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.163 mm/s at 0.000 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 12:25:12 June 11, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA0D.600

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

Combo Mode June 10, 2010 23:59:35

Microphone Linear Weighting

PSPL 100.0 dB(L) 2.00 pa.(L) at -0.241 sec

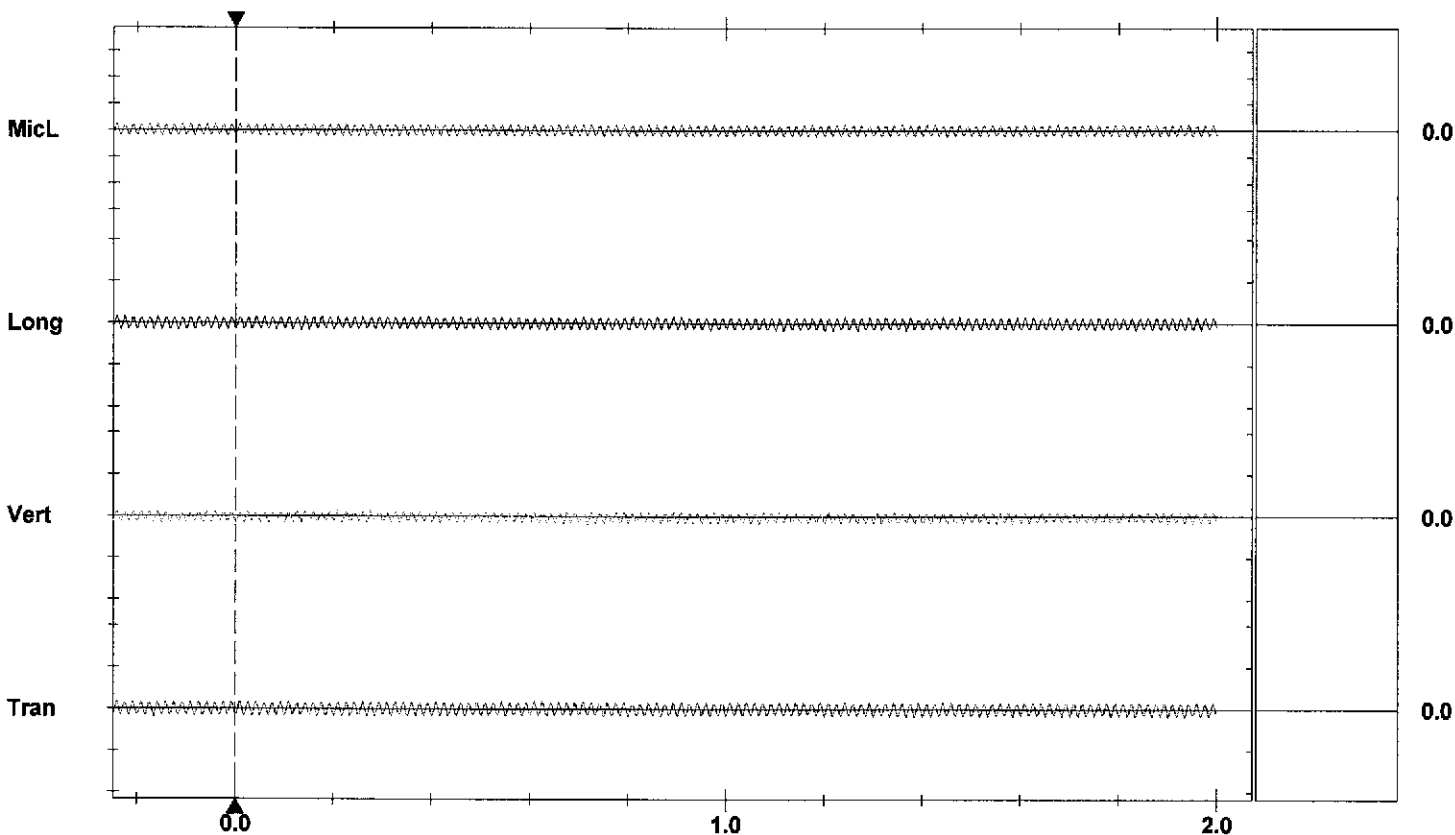
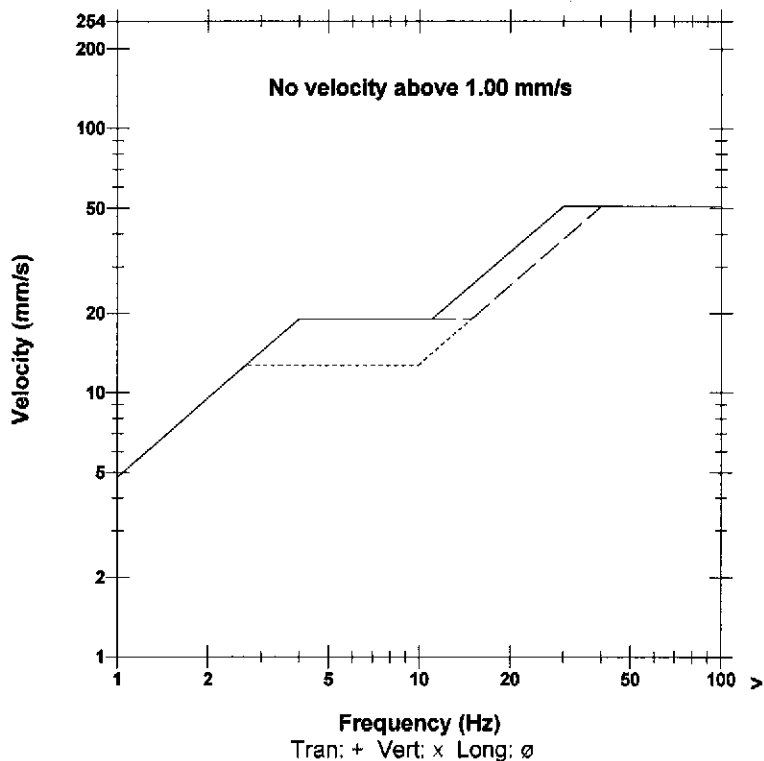
ZC Freq 64 Hz

Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.0952	0.0794	mm/s
PPV	34.1	30.6	29.0	dB
ZC Freq	73	73	73	Hz
Time (Rel. to Trig)	0.000	0.000	-0.240	sec
Peak Acceleration	0.00994	0.00497	0.00497	g
Peak Displacement	0.00023	0.00023	0.00021	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.178 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Histogram Start Time 23:59:31 June 11, 2010
Histogram Finish Time 23:59:28 June 12, 2010
Number of Intervals 287 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA19.B70

Notes

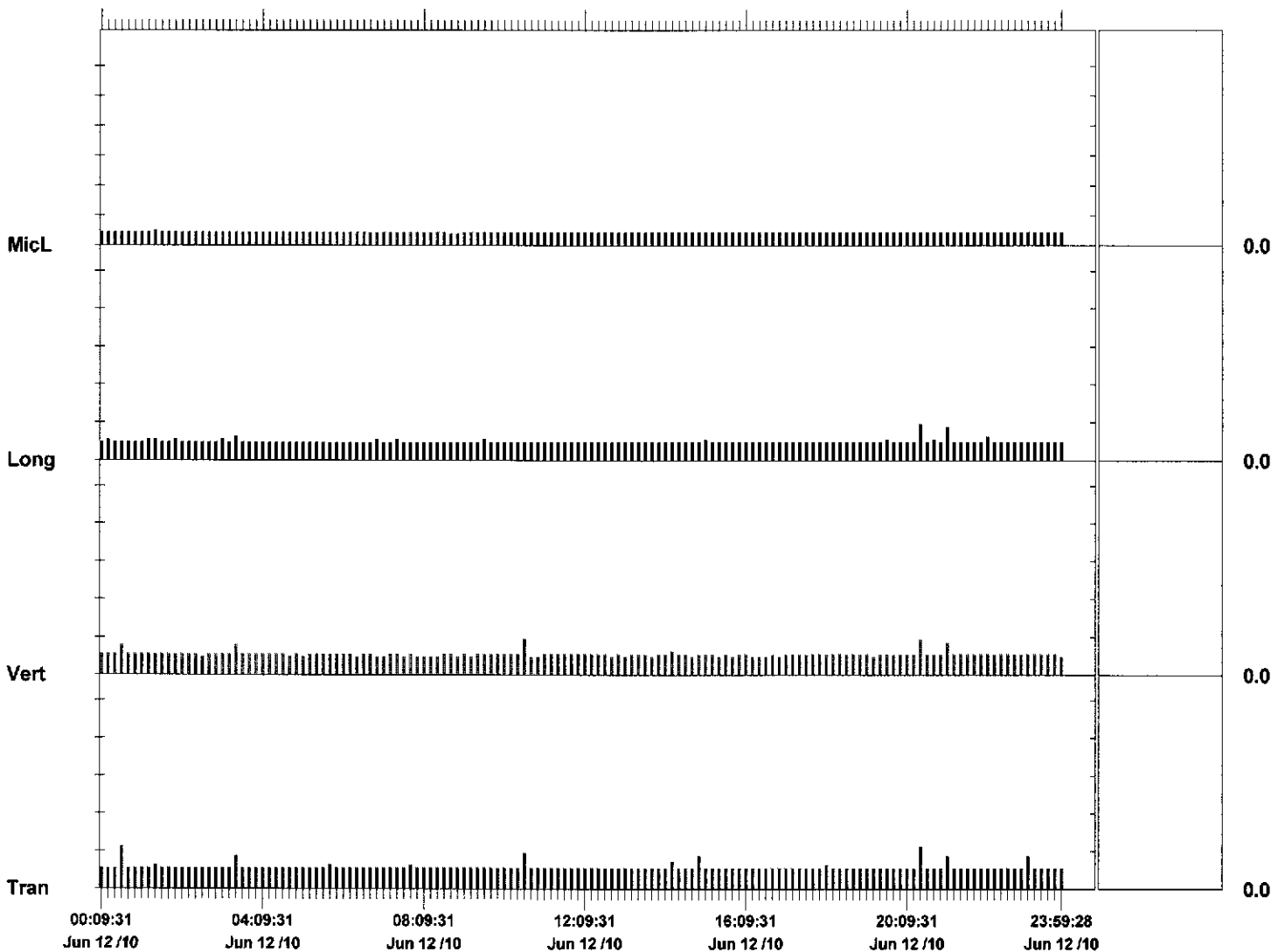
Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

Microphone Linear Weighting
PSPL 101.9 dB(L) 2.50 pa.(L) on June 12, 2010 at 01:24:31
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.222	0.190	0.190	mm/s
ZC Freq	64	73	64	Hz
Date	Jun 12 /10	Jun 12 /10	Jun 12 /10	
Time	00:34:31	10:39:31	20:24:31	
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.349 mm/s on June 12, 2010 at 20:24:31



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Tran at 00:31:47 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903DA1A.SZ0

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

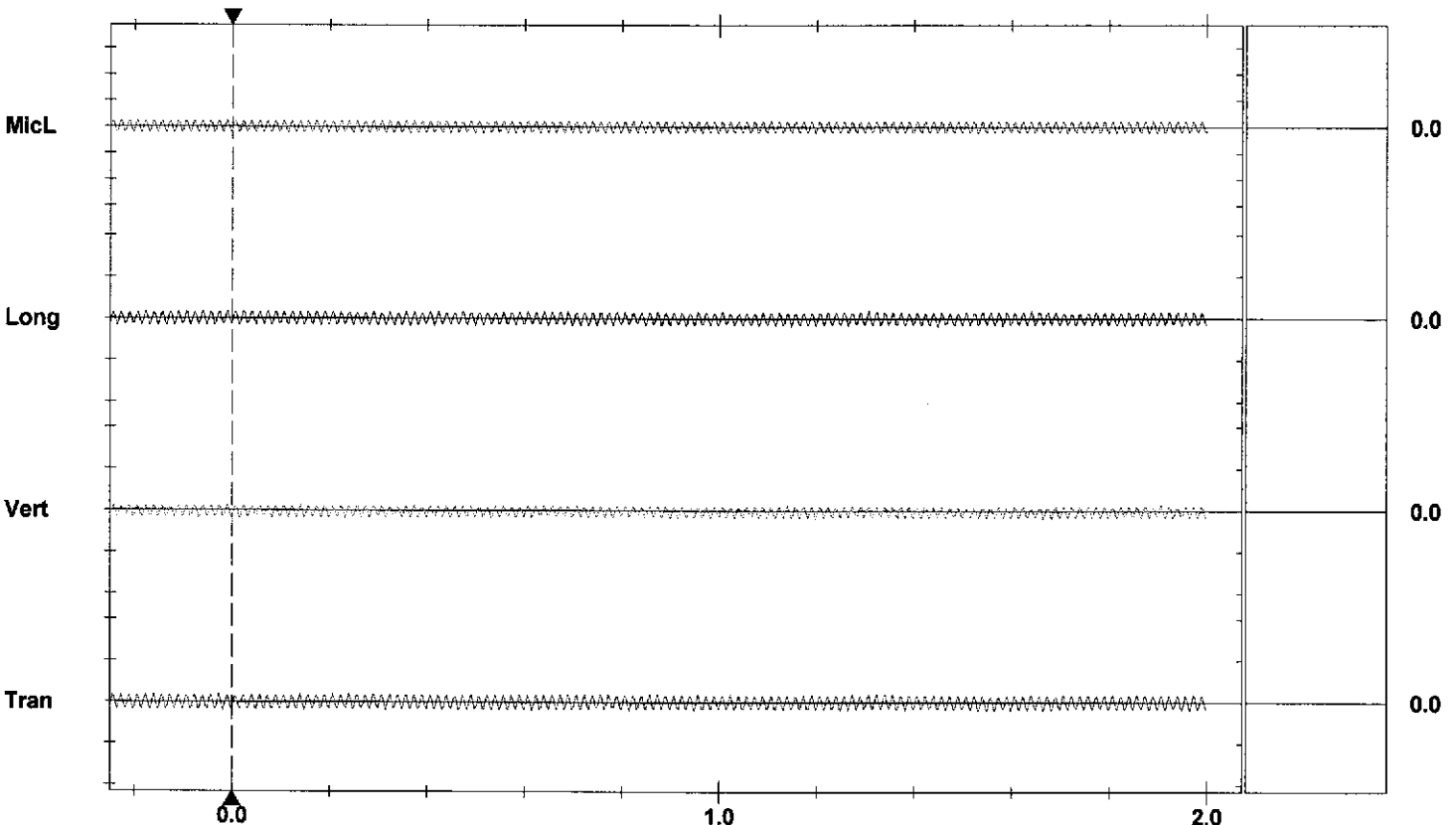
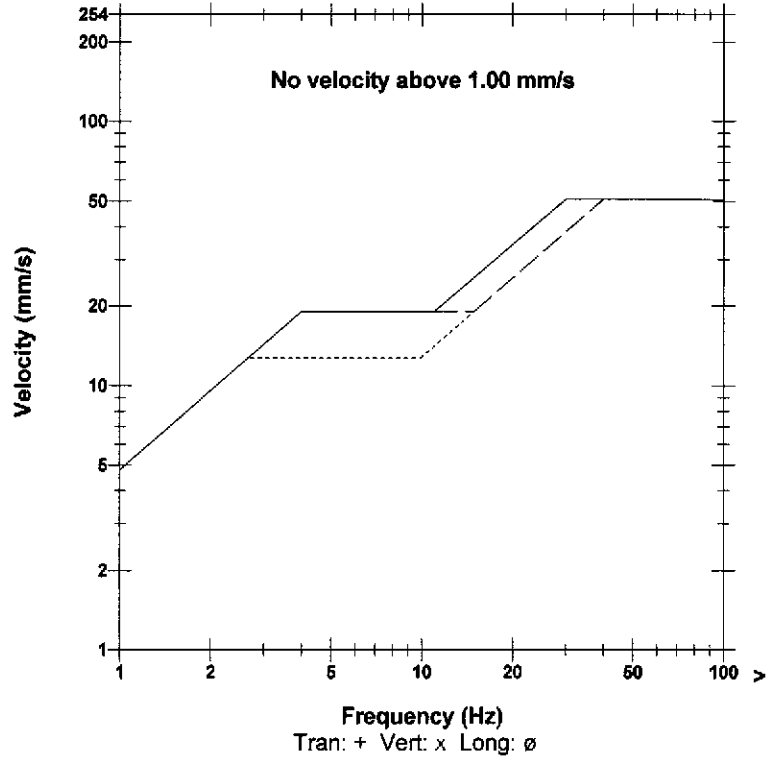
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at -0.194 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.222	0.159	0.0952	mm/s
PPV	37.9	35.0	30.6	dB
ZC Freq	64	57	73	Hz
Time (Rel. to Trig)	0.000	0.000	1.147	sec
Peak Acceleration	0.0182	0.0133	0.00663	g
Peak Displacement	0.00028	0.00028	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.280 mm/s at 0.000 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 03:20:52 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by Instatel Inc.
File Name I903DA11.MS0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

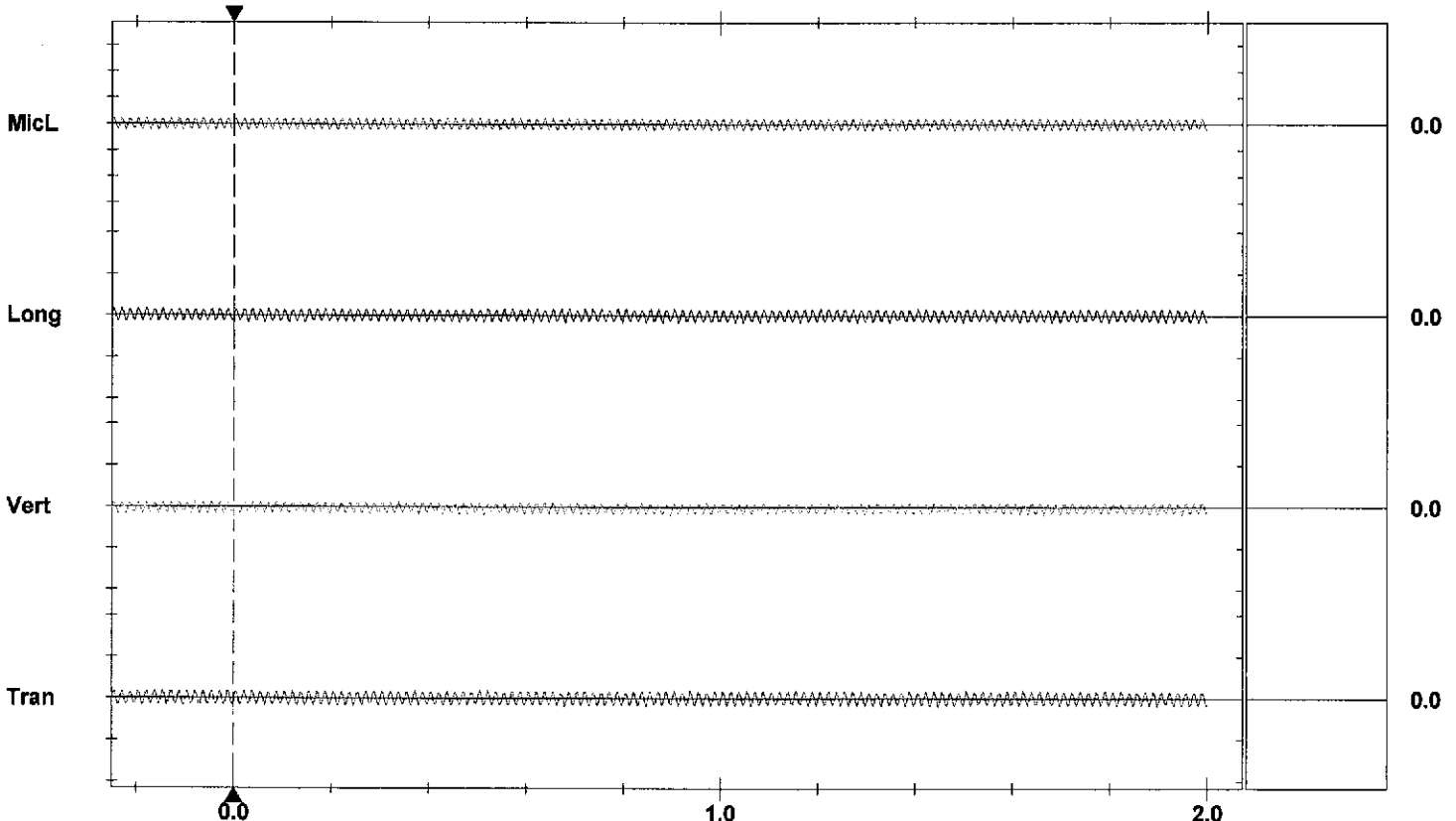
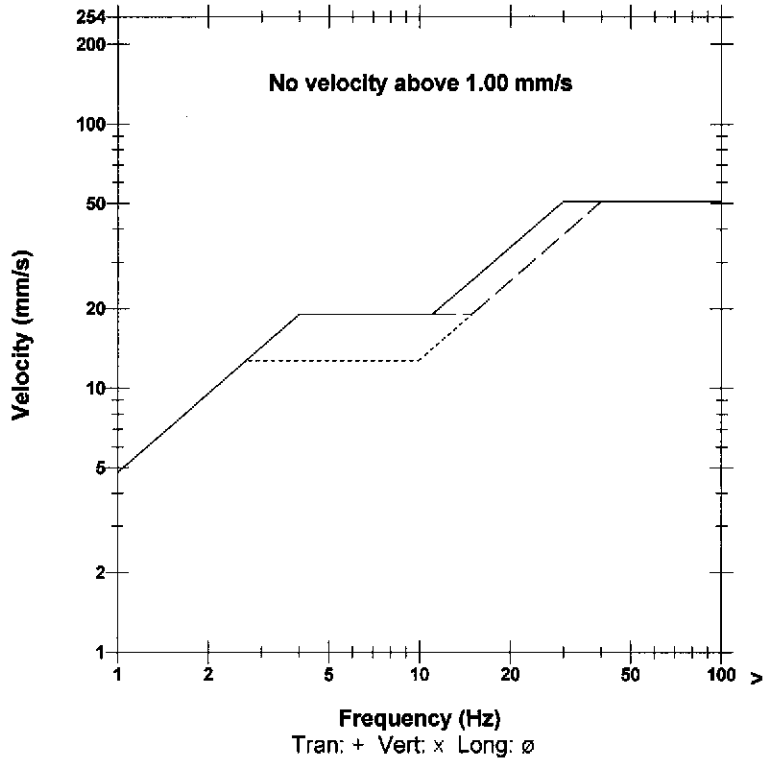
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at 0.996 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.175	0.159	0.127	mm/s
PPV	35.8	35.0	33.1	dB
ZC Freq	64	64	64	Hz
Time (Rel. to Trig)	0.000	0.000	0.000	sec
Peak Acceleration	0.0182	0.0166	0.0133	g
Peak Displacement	0.00027	0.00024	0.00021	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.268 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 10:37:52 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903DA22.V40

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

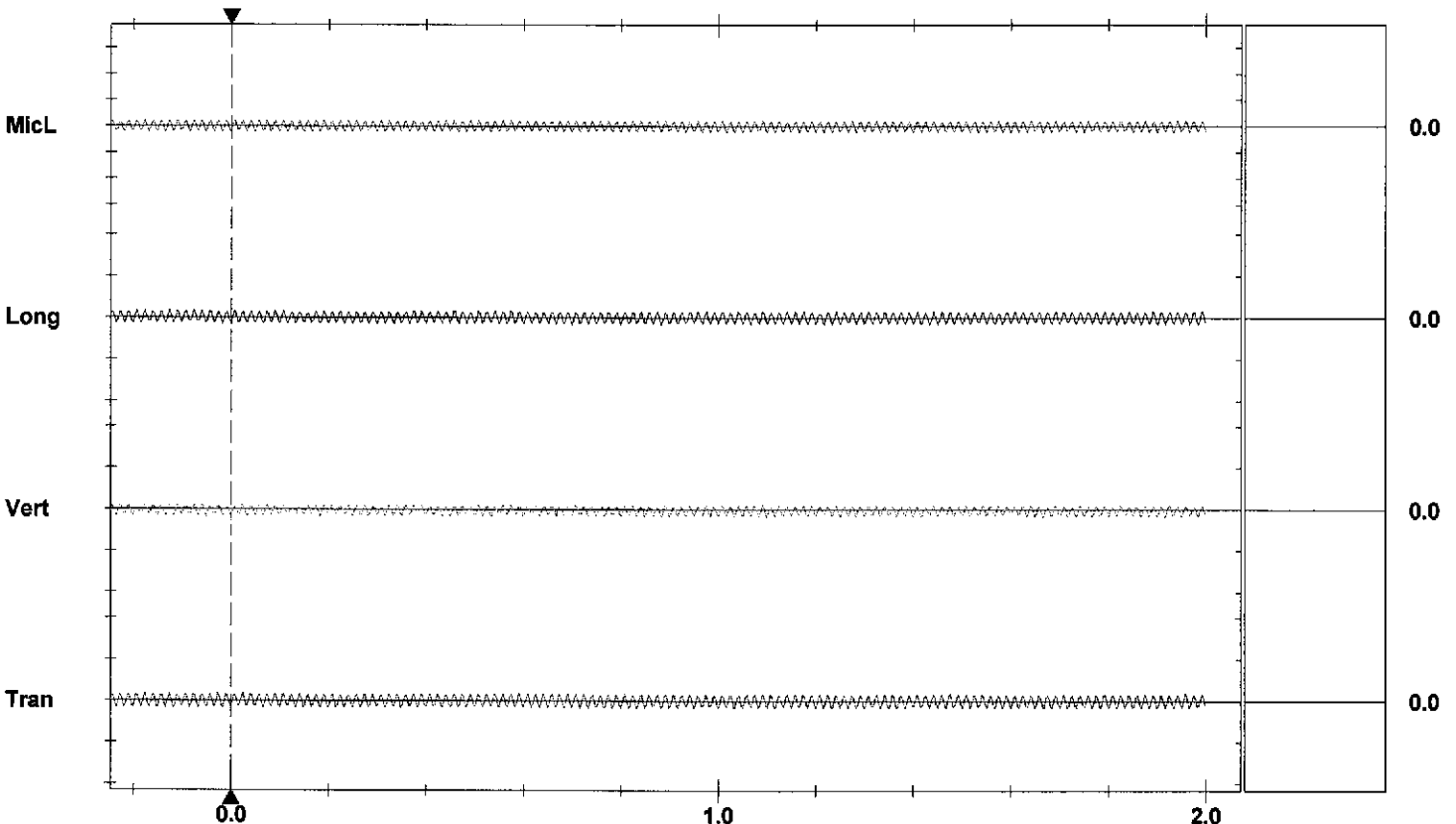
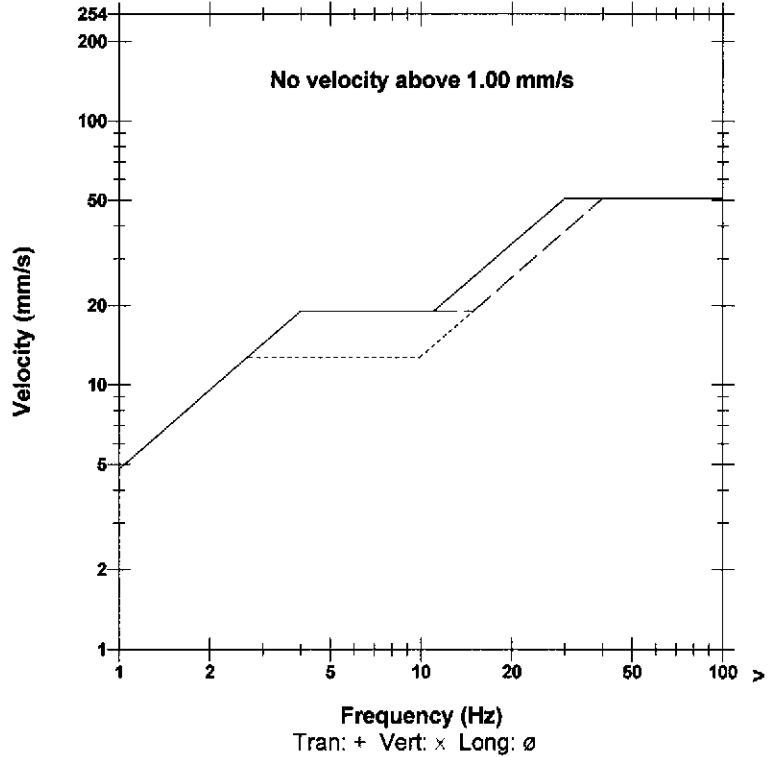
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 100.0 dB(L) 2.00 pa.(L) at -0.235 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.190	0.190	0.0952	mm/s
PPV	36.6	36.6	30.6	dB
ZC Freq	73	73	73	Hz
Time (Rel. to Trig)	0.000	0.000	0.000	sec
Peak Acceleration	0.0149	0.0149	0.00663	g
Peak Displacement	0.00024	0.00023	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.286 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 14:17:17 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA2D.0T0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

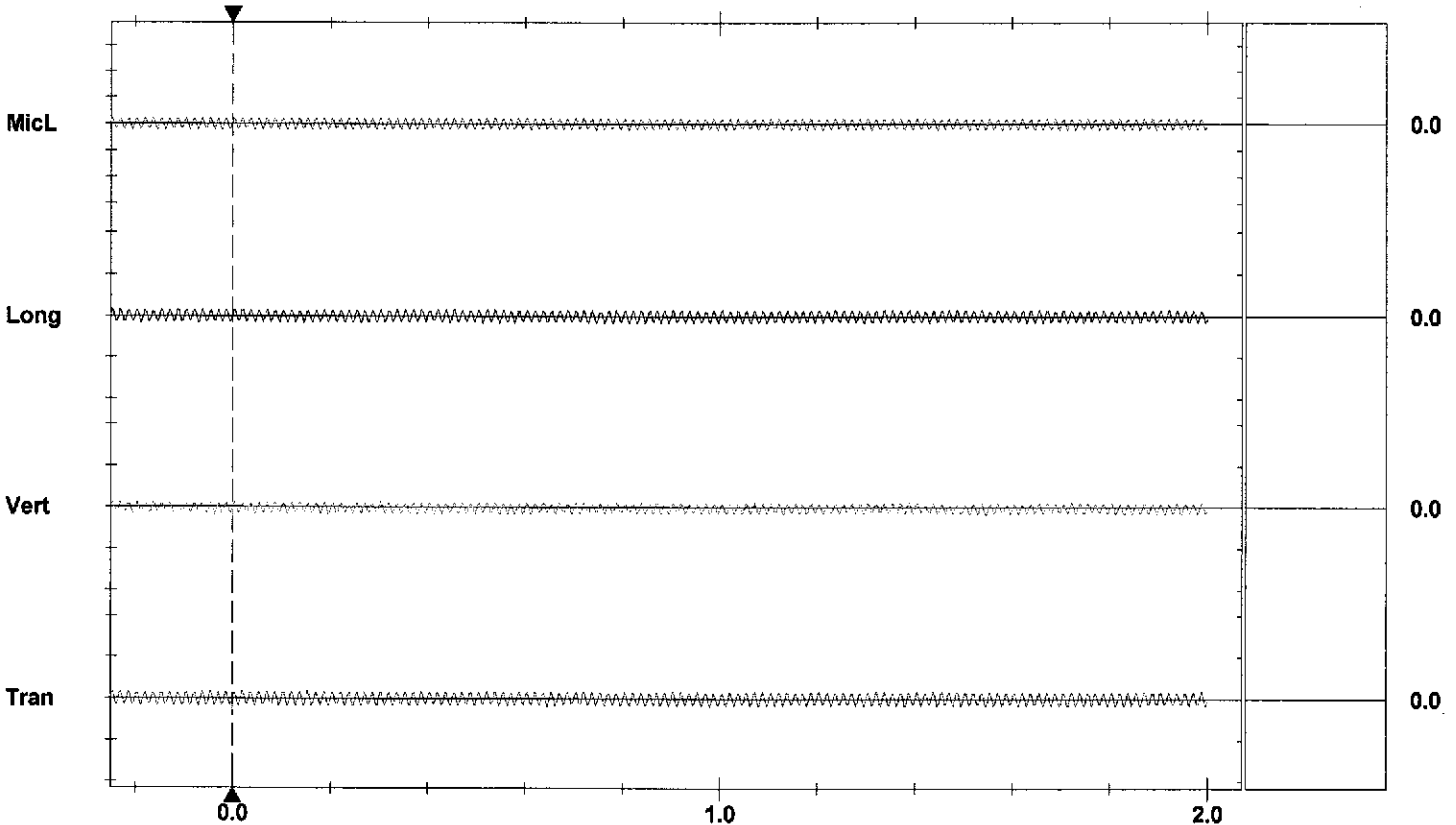
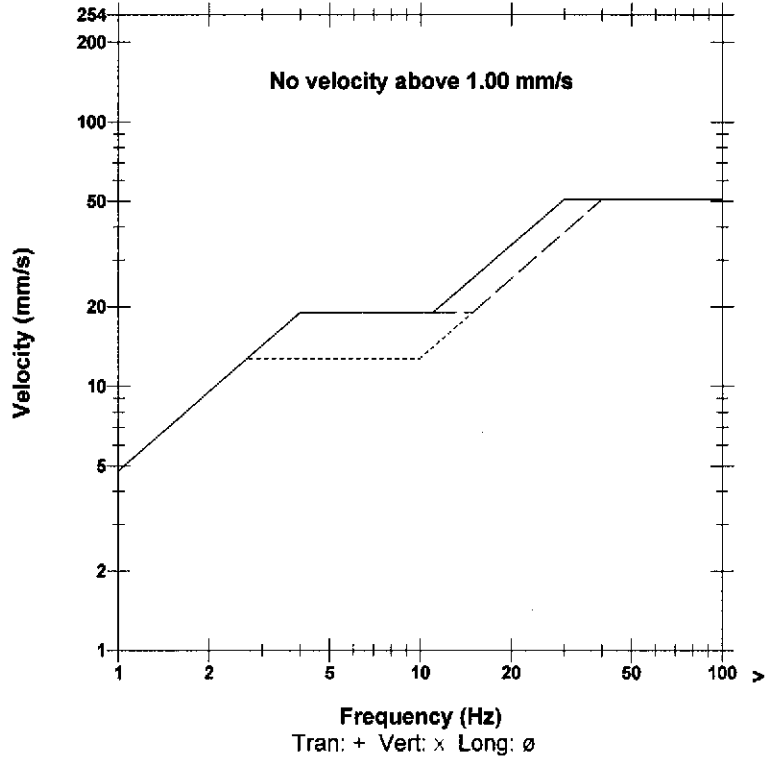
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 100.0 dB(L) 2.00 pa.(L) at -0.247 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.127	0.0794	mm/s
PPV	34.1	33.1	29.0	dB
ZC Freq	>100	>100	73	Hz
Time (Rel. to Trig)	0.000	0.000	-0.246	sec
Peak Acceleration	0.0182	0.0133	0.0116	g
Peak Displacement	0.00023	0.00026	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.207 mm/s at 0.000 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 14:52:32 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA2E.NK0

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting

PSPL 100.0 dB(L) 2.00 pa.(L) at -0.247 sec

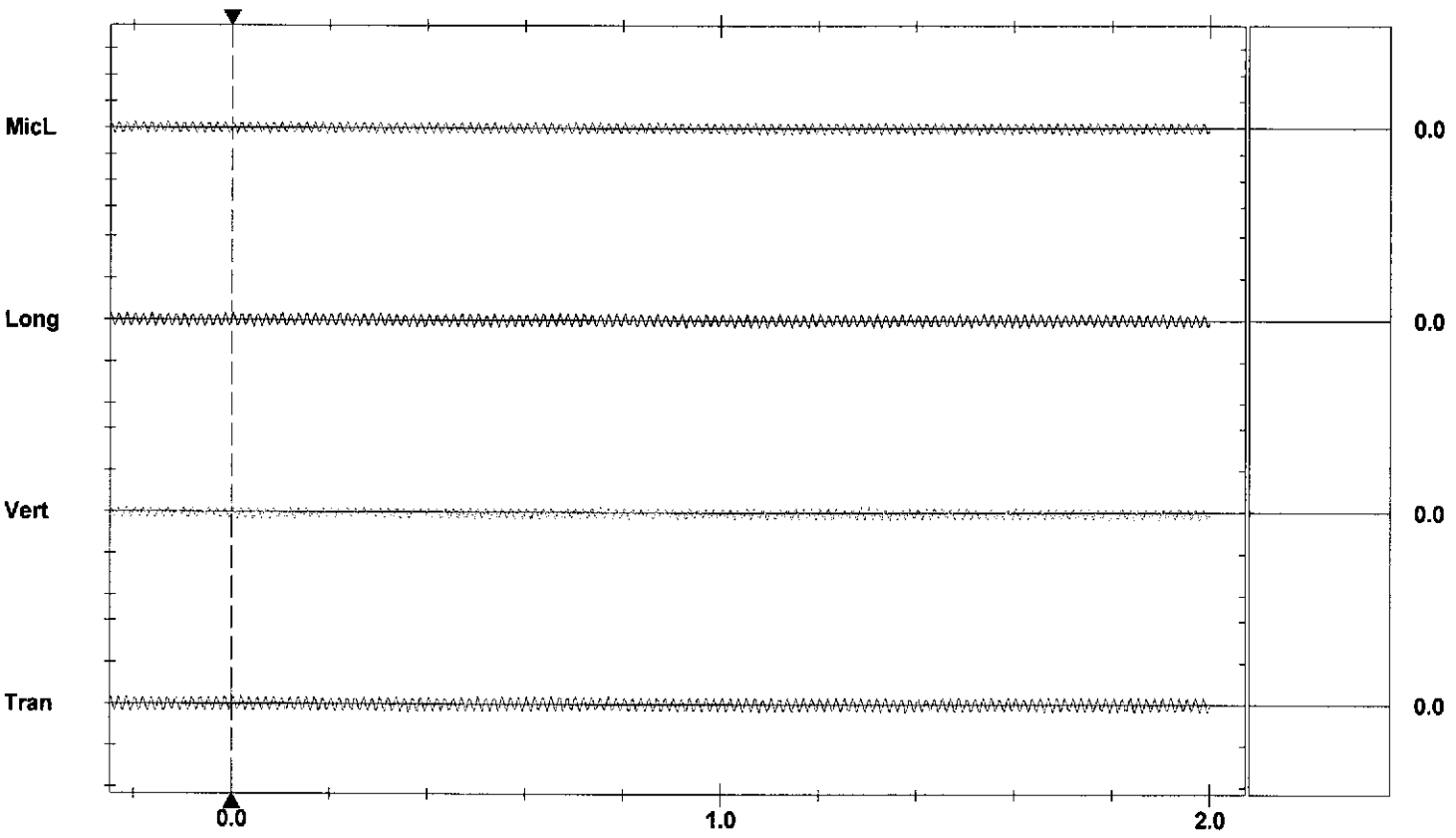
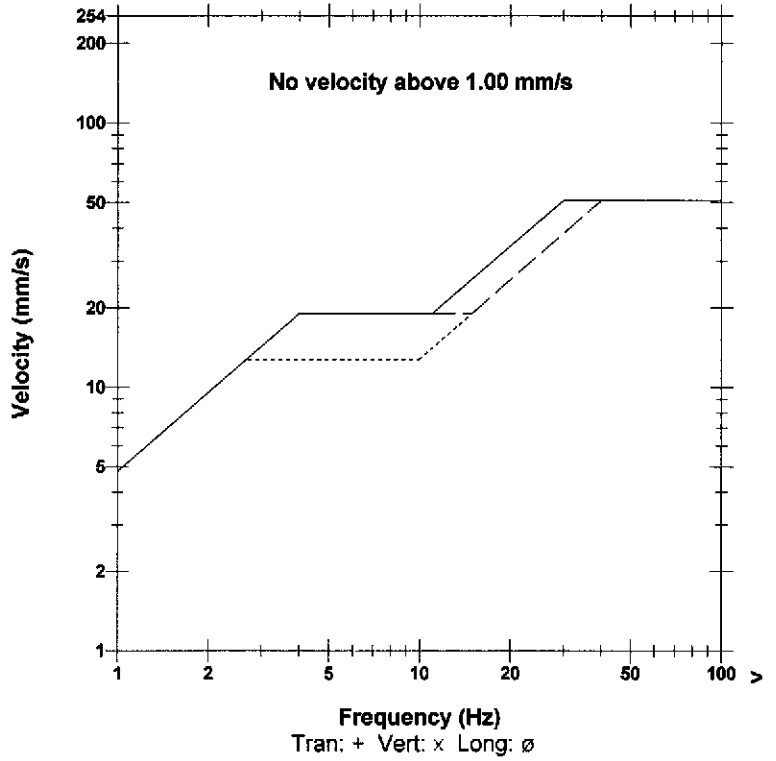
ZC Freq >100 Hz

Channel Test Disabled

	Tran	Vert	Long	
PPV	0.175	0.111	0.0952	mm/s
PPV	35.8	31.9	30.6	dB
ZC Freq	57	57	64	Hz
Time (Rel. to Trig)	0.000	0.000	0.670	sec
Peak Acceleration	0.0182	0.0149	0.00829	g
Peak Displacement	0.00029	0.00023	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.222 mm/s at 0.000 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 20:23:42 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTEL Inc.
File Name I903DA2T.Z10

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

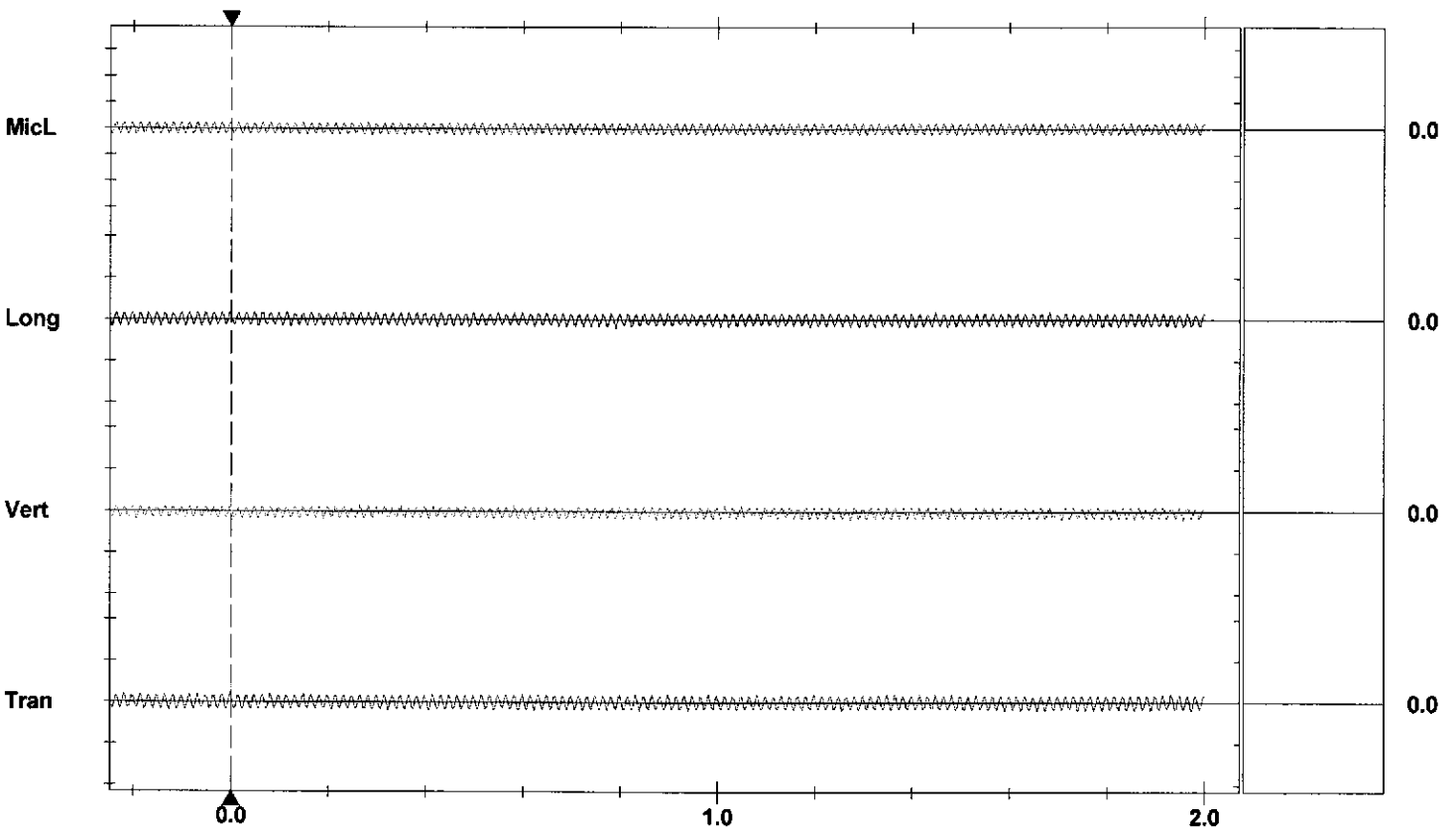
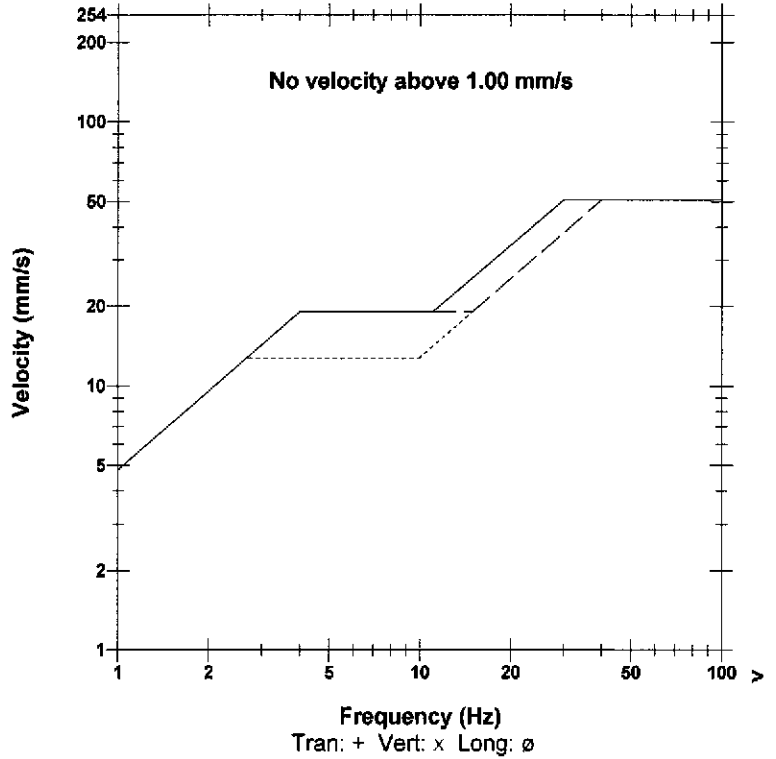
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at 0.280 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.222	0.190	0.190	mm/s
PPV	37.9	36.6	36.6	dB
ZC Freq	64	85	64	Hz
Time (Rel. to Trig)	0.000	0.000	0.000	sec
Peak Acceleration	0.0182	0.0182	0.0166	g
Peak Displacement	0.00029	0.00024	0.00026	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.349 mm/s at 0.000 sec

USBM R18507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 21:03:43 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA2V.U70

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

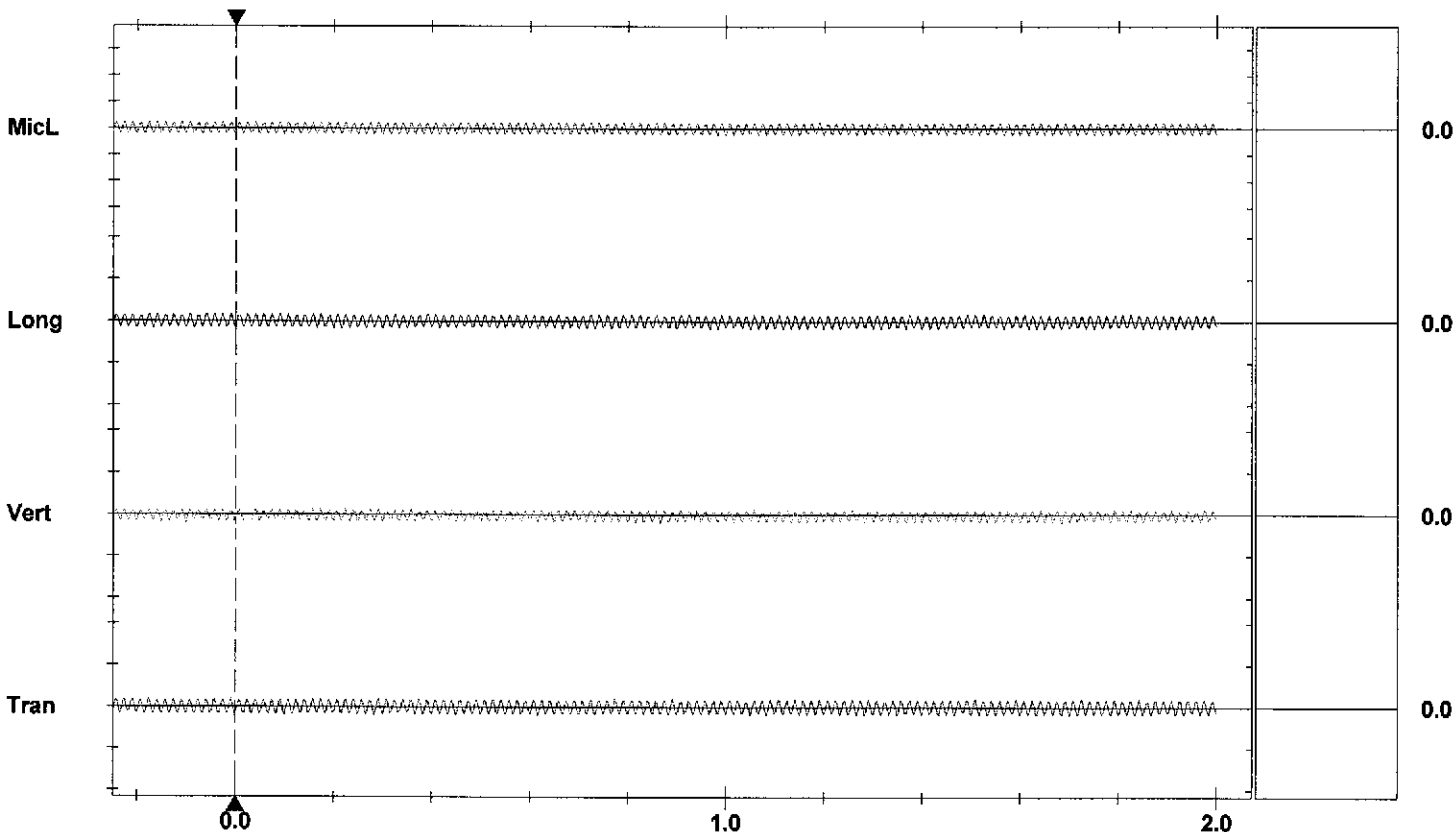
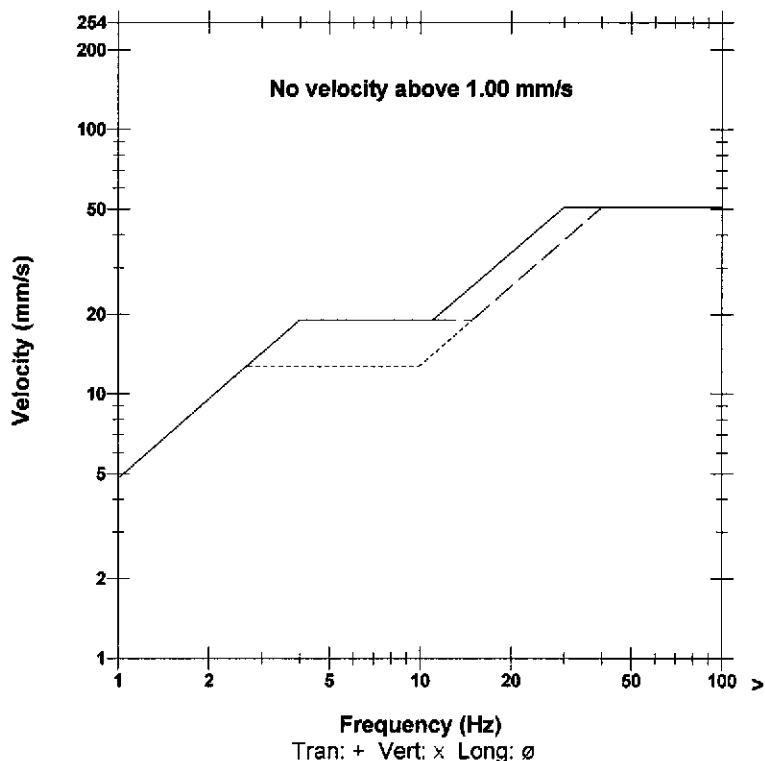
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at 0.090 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.175	0.175	0.175	mm/s
PPV	35.8	35.8	35.8	dB
ZC Freq	73	73	73	Hz
Time (Rel. to Trig)	0.000	0.000	0.000	sec
Peak Acceleration	0.0116	0.0133	0.0149	g
Peak Displacement	0.00025	0.00023	0.00023	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.302 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Tran at 23:05:20 June 12, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by Instantel Inc.
File Name I903DA31.GWO

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

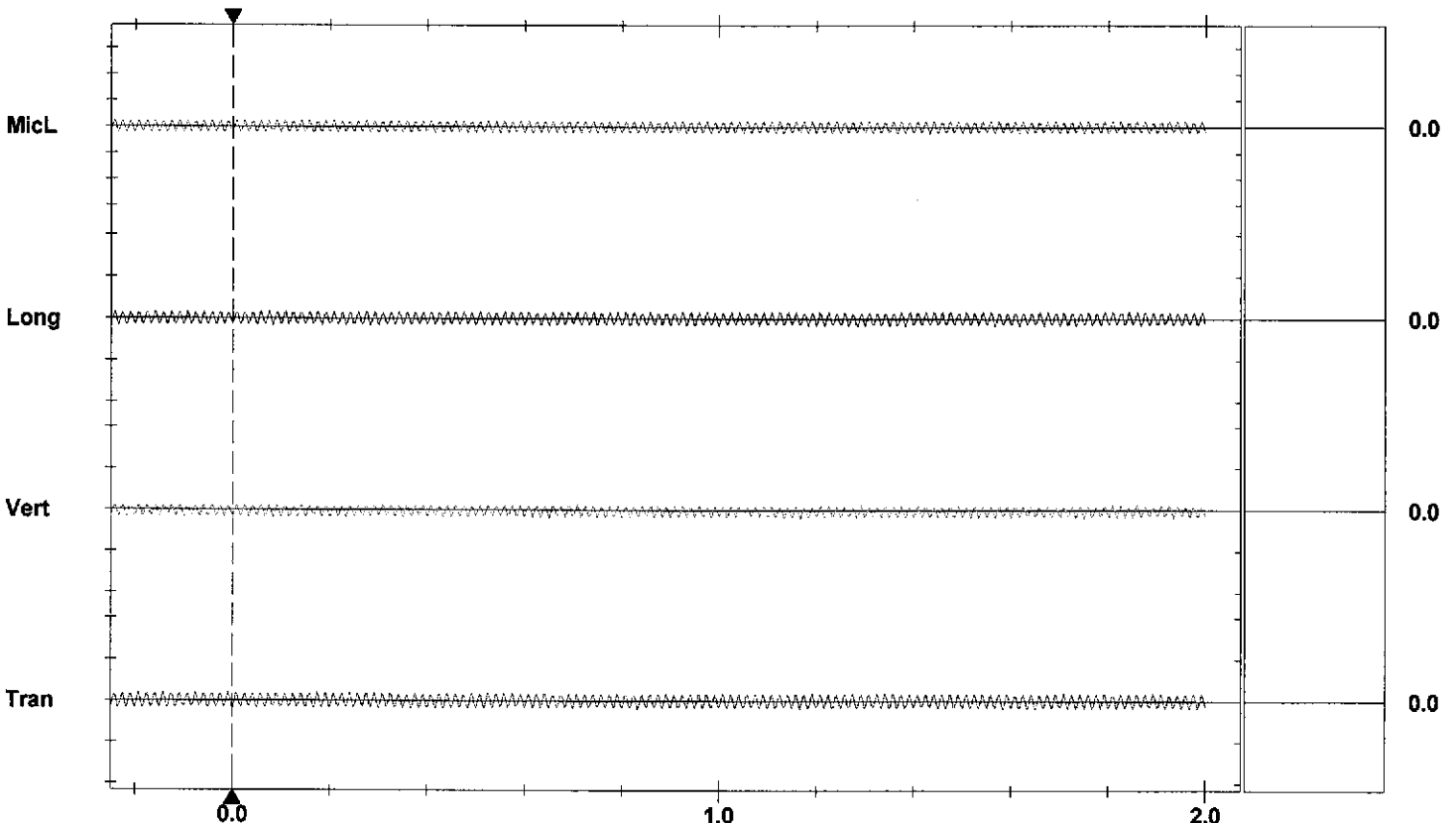
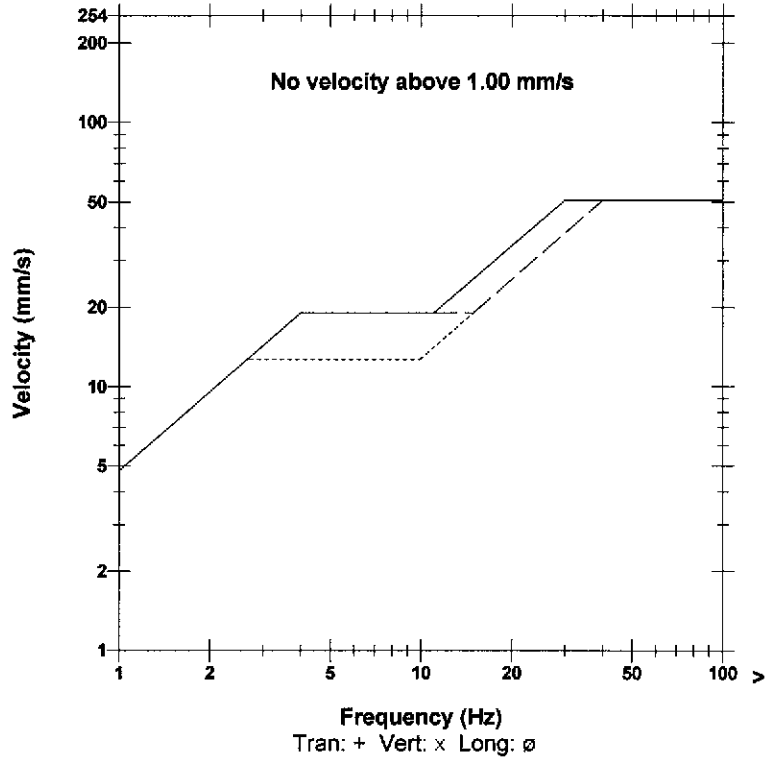
Combo Mode June 11, 2010 23:59:31

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) at 0.232 sec
ZC Freq 64 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.175	0.111	0.0952	mm/s
PPV	35.8	31.9	30.6	dB
ZC Freq	73	73	64	Hz
Time (Rel. to Trig)	0.000	0.000	1.843	sec
Peak Acceleration	0.00994	0.00663	0.00497	g
Peak Displacement	0.00026	0.00024	0.00023	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.212 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Histogram Start Time 23:59:34 June 12, 2010
Histogram Finish Time 23:59:28 June 13, 2010
Number of Intervals 287 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA33.ZA0

Notes

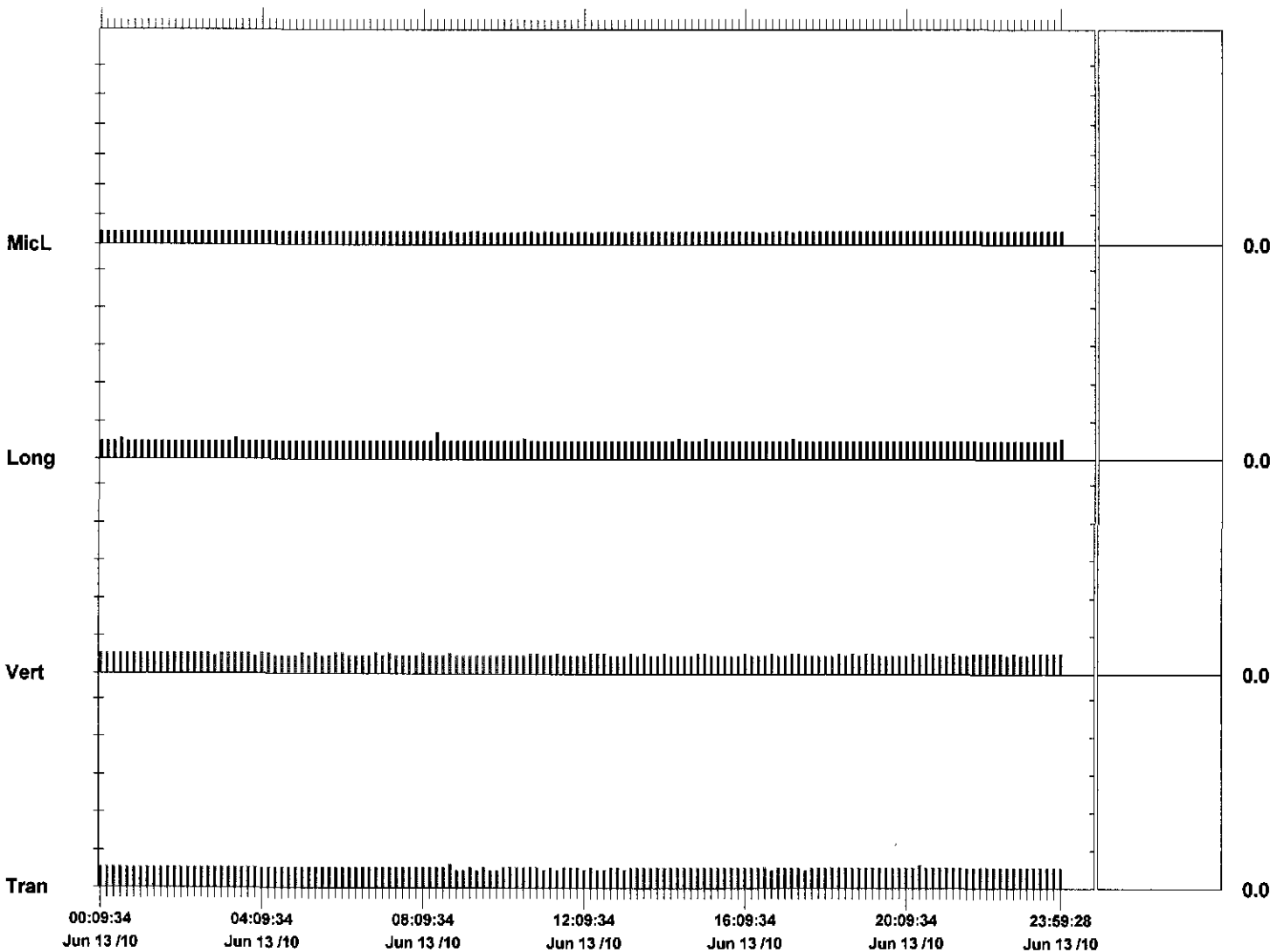
Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) on June 13, 2010 at 00:04:34
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.127	0.111	0.143	mm/s
ZC Freq	73	57	64	Hz
Date	Jun 13 /10	Jun 13 /10	Jun 13 /10	
Time	08:49:34	00:04:34	08:29:34	
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.183 mm/s on June 13, 2010 at 08:29:34



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Long at 08:26:49 June 13, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by InstanTel Inc.
File Name I903DA3R.GPO

Notes

Location: BUREAU M. HUARD
 Client: VILLE DE MTL M026570-G1
 User Name: MC
 General:

Extended Notes

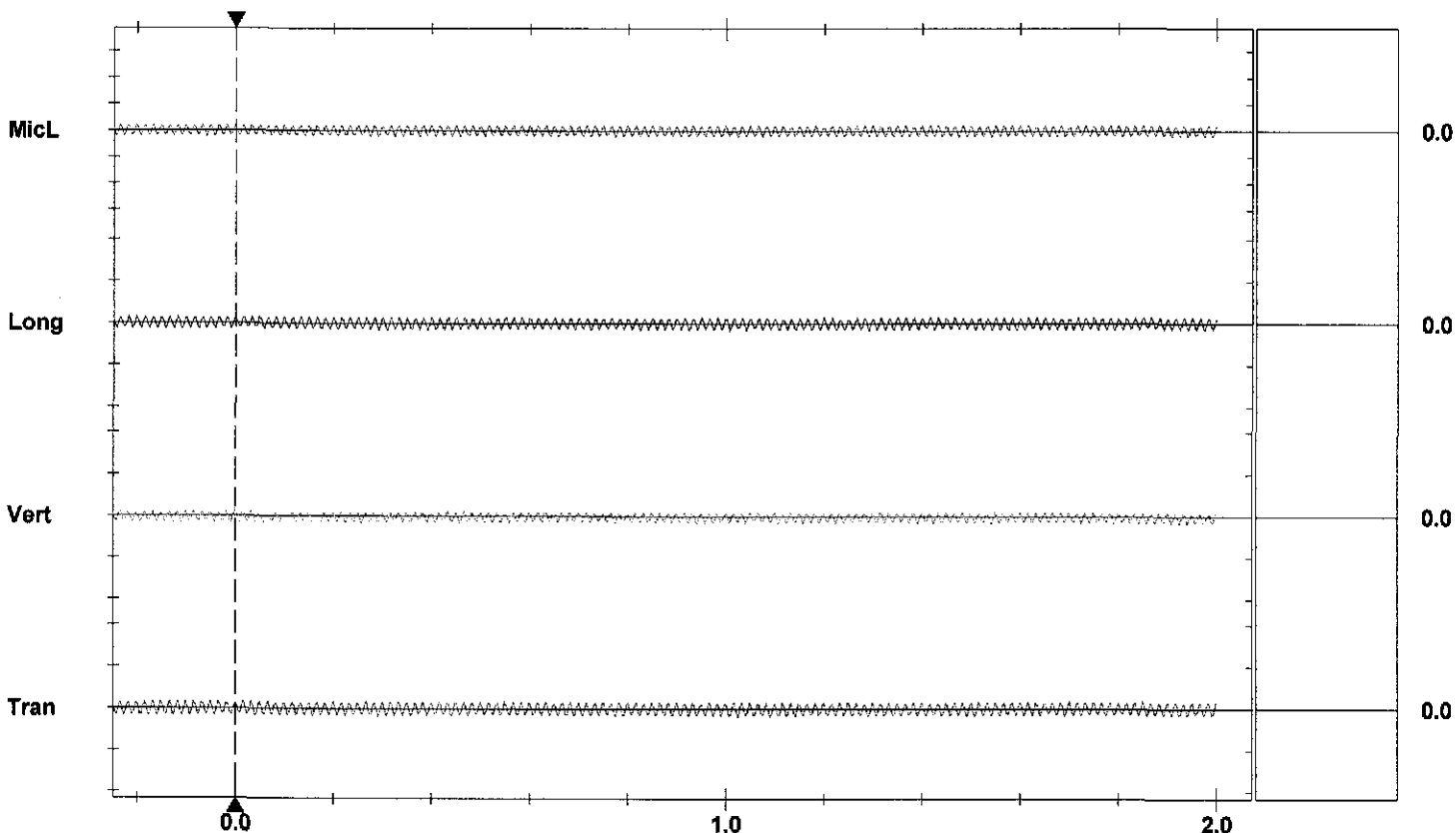
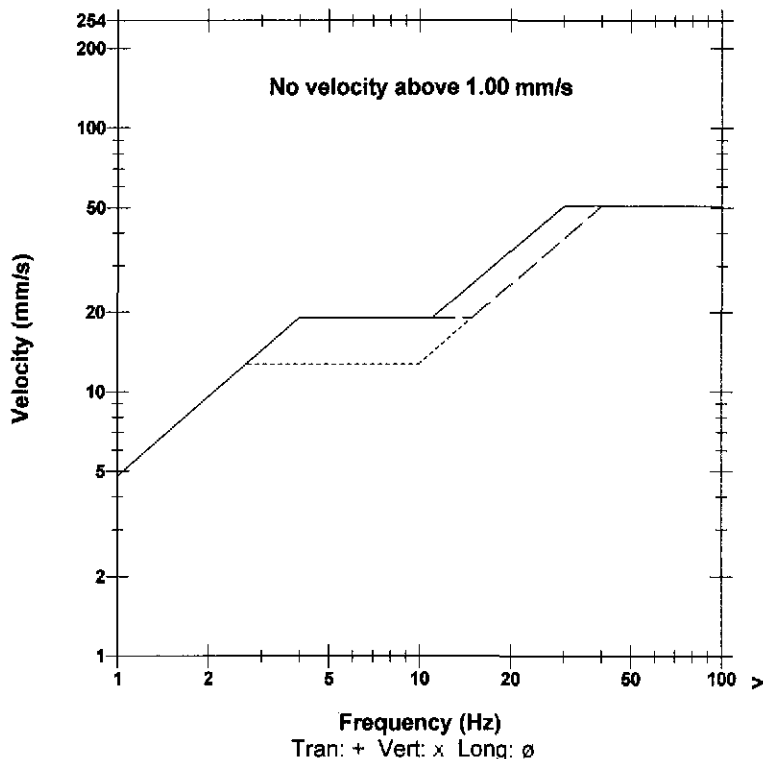
Combo Mode June 12, 2010 23:59:34

Microphone Linear Weighting
PSPL 100.0 dB(L) 2.00 pa.(L) at -0.243 sec
ZC Freq 73 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.0952	0.0952	0.143	mm/s
PPV	30.6	30.6	34.1	dB
ZC Freq	73	>100	64	Hz
Time (Rel. to Trig)	0.017	0.000	0.000	sec
Peak Acceleration	0.00663	0.00663	0.00994	g
Peak Displacement	0.00022	0.00024	0.00022	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.183 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Histogram Start Time 23:59:29 June 13, 2010
Histogram Finish Time 12:53:10 June 14, 2010
Number of Intervals 154 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by Instantel Inc.
File Name I903DA4Y.N50

Notes

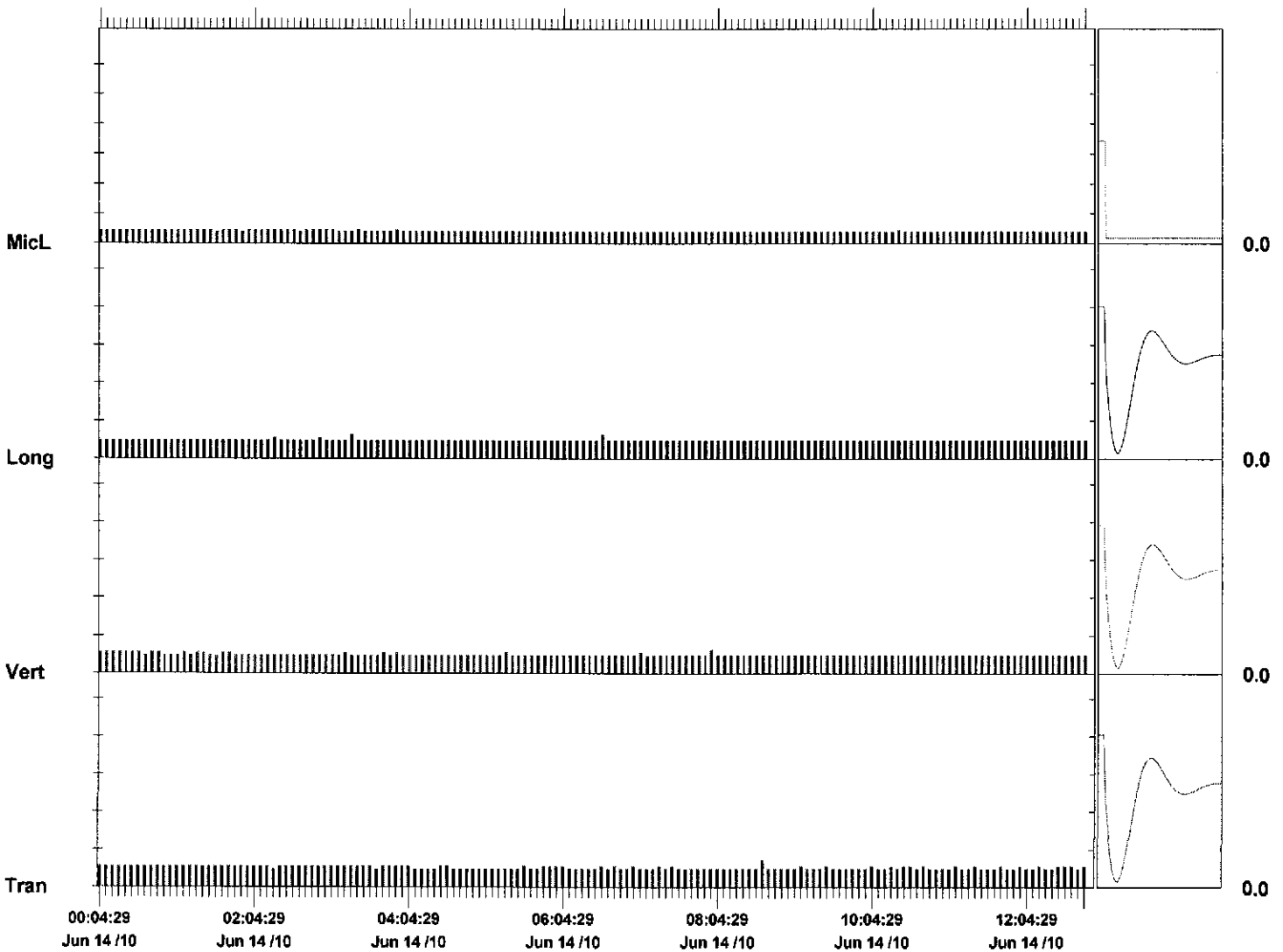
Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

Microphone Linear Weighting
PSPL 101.0 dB(L) 2.25 pa.(L) on June 14, 2010 at 00:04:29
ZC Freq 73 Hz
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.143	0.127	0.127	mm/s
ZC Freq	73	39	73	Hz
Date	Jun 14 /10	Jun 14 /10	Jun 14 /10	
Time	08:39:29	07:59:29	03:19:29	
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.4	7.5	Hz
Overswing Ratio	3.5	3.6	3.8	

Peak Vector Sum 0.196 mm/s on June 14, 2010 at 08:39:29



Time Scale: 5 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Tran at 08:36:37 June 14, 2010
Trigger Source Geo: 0.150 mm/s
Range Geo: 31.7 mm/s
Record Time 2.0 sec at 1024 sps
Job Number: 1

Serial Number BE7903 V 10.06-8.17 MiniMate Plus
Battery Level 6.8 Volts
Unit Calibration January 20, 2010 by Instantel Inc.
File Name I903DA5M.L10

Notes

Location: BUREAU M. HUARD
Client: VILLE DE MTL M026570-G1
User Name: MC
General:

Extended Notes

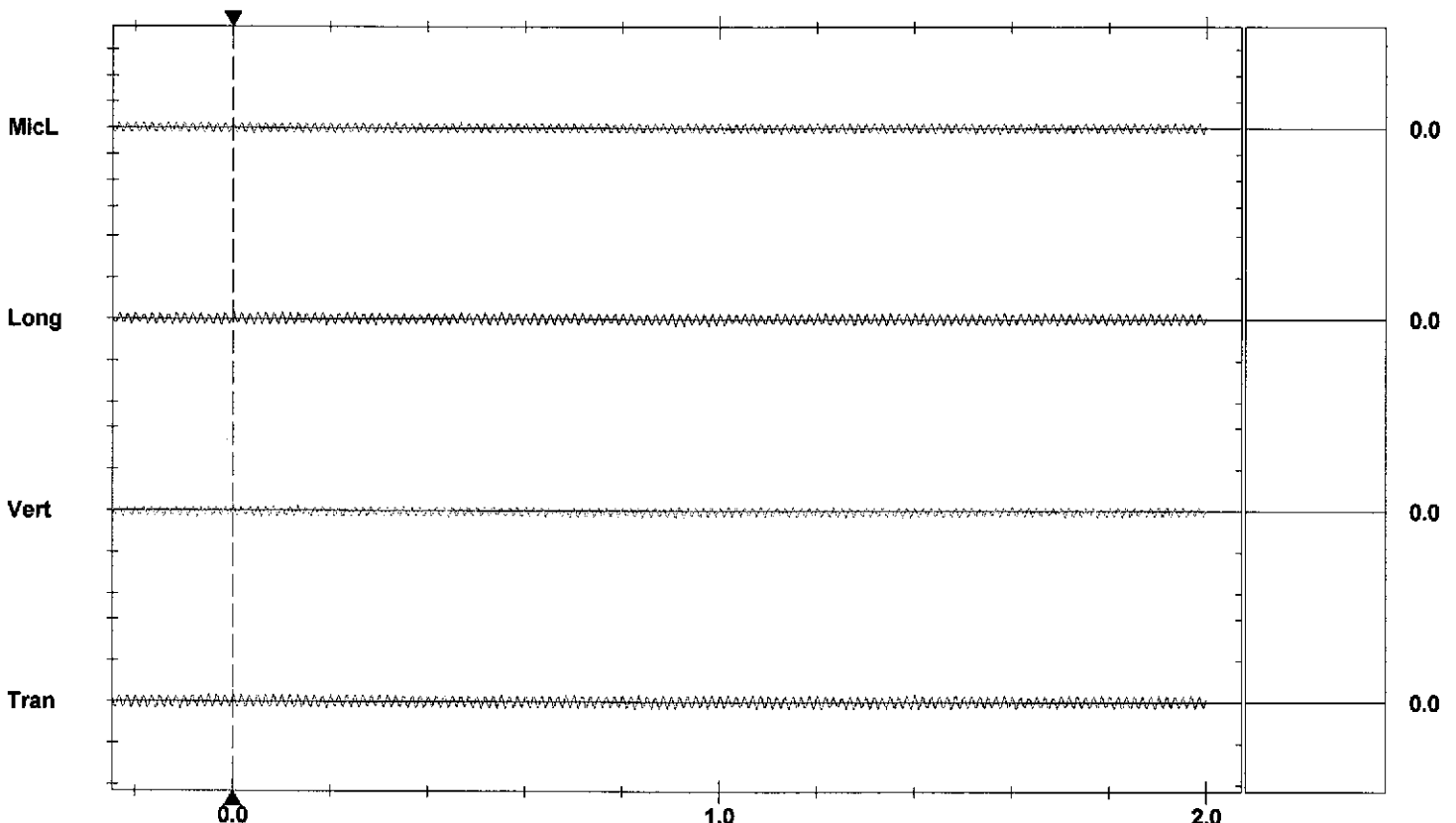
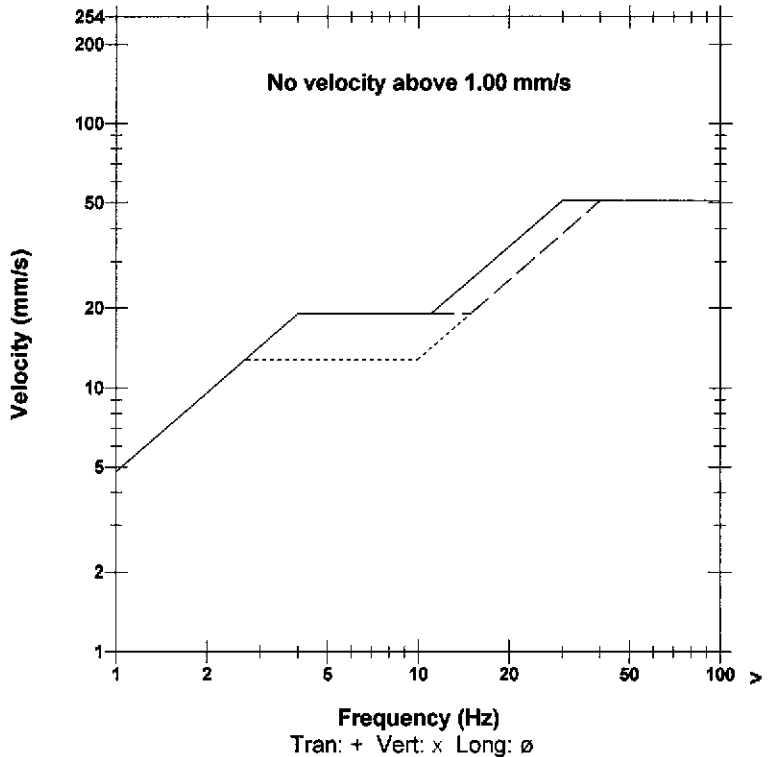
Combo Mode June 13, 2010 23:59:29

Microphone Linear Weighting
PSPL 100.0 dB(L) 2.00 pa.(L) at 0.033 sec
ZC Freq 57 Hz
Channel Test Disabled

	Tran	Vert	Long	
PPV	0.143	0.0952	0.0952	mm/s
PPV	34.1	30.6	30.6	dB
ZC Freq	73	>100	85	Hz
Time (Rel. to Trig)	0.000	0.000	0.000	sec
Peak Acceleration	0.00994	0.00829	0.00663	g
Peak Displacement	0.00022	0.00022	0.00020	mm
Sensor Check	Disabled	Disabled	Disabled	
Frequency	***	***	***	Hz
Overswing Ratio	***	***	***	

Peak Vector Sum 0.196 mm/s at 0.000 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

ANNEXE IV

Résultats sismiques du point 15

Event Report: Event List - i:\general\jdury shared area\techniciens\Événements\m026570-19701 de

Date/Time	Trigger	Serial No.	PVS1 (mm/s)	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	Tran Freq. Hz.	Vert Freq. Hz.	Long Freq. Hz.	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Tran Displ (mm)	Vert Displ (mm)	Long Displ (mm)	Mic Peak (dB)	Description
Jun 10 /10 07:30:38	***	BE14183	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Start Monitoring
Jun 10 /10 07:30:39	Manual	BE14183	0.306	0.159	0.254	0.222	26.9	39.4	30.1	0.00994	0.00994	0.00829	0.00084	0.00170	0.00110	<88L	VILLE DE MTL
Jun 10 /10 09:14:07	Long	BE14183	0.249	0.127	0.159	0.222	34.1	36.6	30.1	0.00663	0.00663	0.00663	0.00064	0.00074	0.00102	<88L	VILLE DE MTL
Jun 10 /10 17:13:39	Vert	BE14183	0.306	0.143	0.254	0.222	30.1	39.4	32.0	0.00663	0.00829	0.00829	0.00078	0.00108	0.00110	<88L	VILLE DE MTL
Jun 10 /10 19:59:55	Vert	BE14183	0.239	0.111	0.222	0.175	30.1	36.6	36.6	0.00497	0.00829	0.00663	0.00059	0.00099	0.00075	<88L	VILLE DE MTL
Jun 10 /10 20:00:25	Vert	BE14183	0.230	0.0952	0.206	0.143	32.0	36.6	39.4	0.00663	0.00994	0.00663	0.00042	0.00088	0.00060	<88L	VILLE DE MTL
Jun 10 /10 23:59:31	Manual	BE14183	0.446	0.270	0.333	0.381	28.4	39.4	28.4	0.00994	0.0116	0.00994	0.00171	0.00143	0.00210	<88L	VILLE DE MTL
Jun 11 /10 01:29:16	Long	BE14183	0.439	0.270	0.238	0.381	28.4	36.6	28.4	0.00829	0.00829	0.00994	0.00171	0.00105	0.00206	<88L	VILLE DE MTL
Jun 11 /10 01:29:18	Long	BE14183	0.292	0.190	0.190	0.238	30.1	36.6	28.4	0.00829	0.00829	0.00829	0.00109	0.00079	0.00136	<88L	VILLE DE MTL
Jun 11 /10 02:05:11	Tran	BE14183	0.217	0.206	0.175	0.159	28.4	36.6	28.4	0.00663	0.00663	0.00663	0.00117	0.00071	0.00099	<88L	VILLE DE MTL
Jun 11 /10 06:24:03	Vert	BE14183	0.364	0.159	0.317	0.270	34.1	39.4	30.1	0.00829	0.00994	0.00663	0.00071	0.00133	0.00145	<88L	VILLE DE MTL
Jun 11 /10 06:24:05	Vert	BE14183	0.379	0.159	0.333	0.222	28.4	39.4	32.0	0.00663	0.0116	0.00663	0.00084	0.00143	0.00116	<88L	VILLE DE MTL
Jun 11 /10 06:24:06	Vert	BE14183	0.345	0.127	0.286	0.206	28.4	39.4	34.1	0.00663	0.00994	0.00829	0.00070	0.00118	0.00098	<88L	VILLE DE MTL
Jun 11 /10 08:38:00	Vert	BE14183	0.251	0.143	0.206	0.159	32.0	51.2	34.1	0.00663	0.00663	0.00663	0.00085	0.00078	0.00076	<88L	VILLE DE MTL
Jun 11 /10 12:59:42	Vert	BE14183	0.263	0.111	0.222	0.190	34.1	36.6	36.6	0.00663	0.00663	0.00829	0.00045	0.00091	0.00081	<88L	VILLE DE MTL
Jun 11 /10 12:59:44	Vert	BE14183	0.258	0.143	0.222	0.159	34.1	36.6	36.6	0.00663	0.00829	0.00663	0.00050	0.00095	0.00070	<88L	VILLE DE MTL
Jun 11 /10 17:07:34	Long	BE14183	0.306	0.206	0.222	0.206	30.1	42.7	34.1	0.00663	0.00994	0.00663	0.00109	0.00090	0.00109	<88L	VILLE DE MTL
Jun 11 /10 17:07:36	Long	BE14183	0.372	0.175	0.238	0.286	32.0	34.1	32.0	0.00663	0.00829	0.00829	0.00091	0.00107	0.00150	<88L	VILLE DE MTL
Jun 11 /10 23:59:36	Manual	BE14183	0.290	0.206	0.222	0.206	34.1	39.4	34.1	0.00994	0.0166	0.00994	0.00110	0.00153	0.00101	<88L	VILLE DE MTL
Jun 12 /10 01:17:03	Tran	BE14183	0.222	0.206	0.159	0.127	34.1	56.9	34.1	0.00829	0.00829	0.00829	0.00110	0.00064	0.00065	<88L	VILLE DE MTL
Jun 12 /10 05:31:47	Vert	BE14183	0.250	0.111	0.222	0.159	42.7	39.4	39.4	0.00663	0.00829	0.00663	0.00047	0.00094	0.00065	<88L	VILLE DE MTL
Jun 12 /10 07:04:52	Vert	BE14183	0.208	0.111	0.206	0.127	36.6	42.7	42.7	0.00829	0.00663	0.00497	0.00043	0.00077	0.00045	<88L	VILLE DE MTL
Jun 12 /10 10:23:04	Vert	BE14183	0.212	0.0635	0.206	0.0476	>100	>100	>100	0.00497	0.0166	0.00497	0.00010	0.00016	0.00008	<88L	VILLE DE MTL
Jun 12 /10 11:55:32	Long	BE14183	0.290	0.127	0.222	0.206	36.6	34.1	34.1	0.00663	0.00663	0.00829	0.00077	0.00094	0.00101	<88L	VILLE DE MTL
Jun 12 /10 13:29:36	***	BE14183	***	***	***	***	***	***	***	***	***	***	***	***	***	***	Stop Monitoring

Histogram Start Time 07:30:39 June 10, 2010
Histogram Finish Time 23:59:28 June 10, 2010
Number of Intervals 197 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.3 Volts
Unit Calibration December 22, 2009 by Instantel Inc.
File Name P183D9Y4.V30

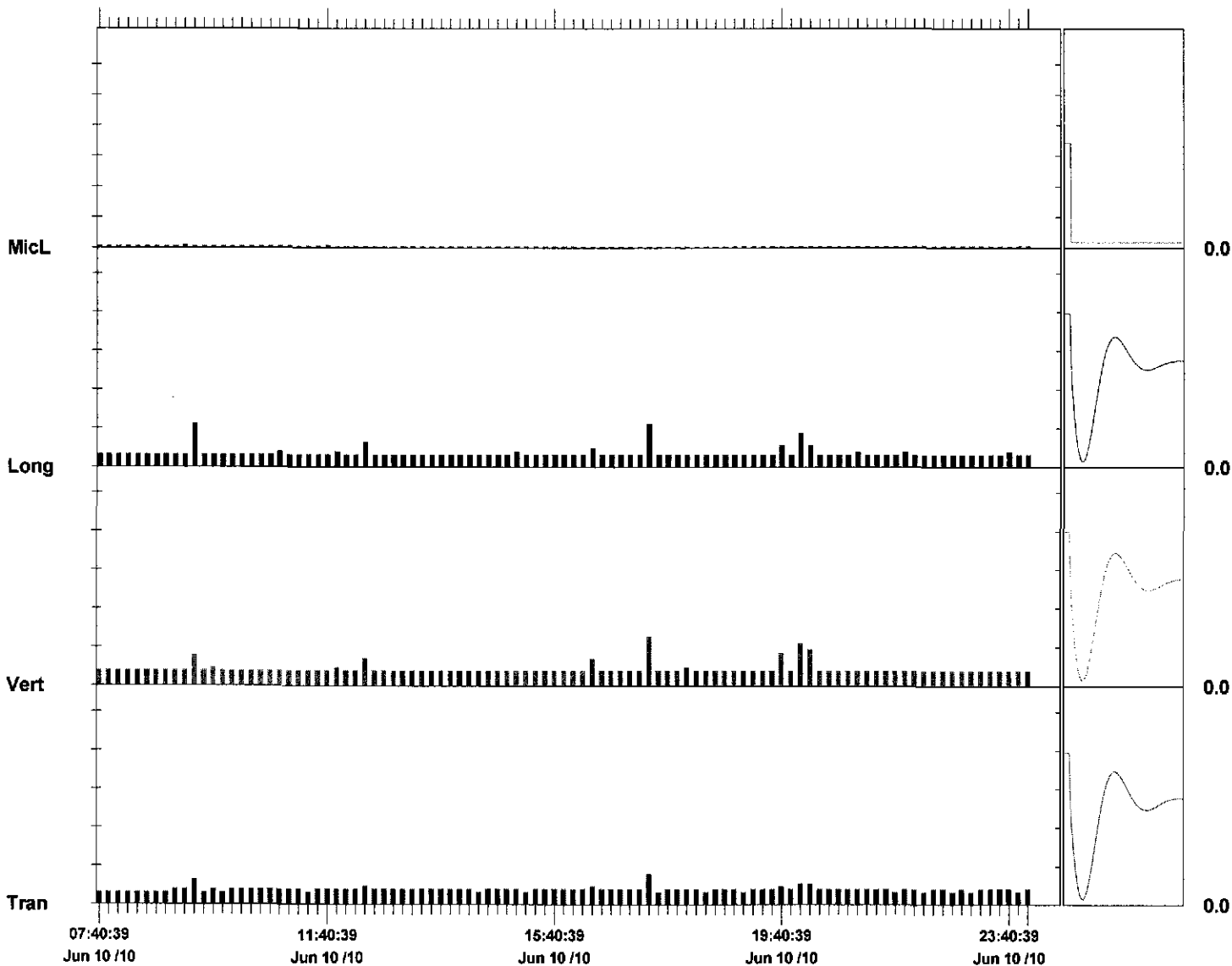
Notes

client: VILLE DE MTL
 General : MO26570-G1
 Emplacement : 9701 de la ROCHE EMPL 15
 Utilisateur : MC

Microphone Linear Weighting
PSPL <88 dB(L) 0.500 pa.(L) on June 10, 2010 at 09:10:39
ZC Freq >100 Hz
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.159	0.254	0.222	mm/s
ZC Freq	27	39	30	Hz
Date	Jun 10 /10	Jun 10 /10	Jun 10 /10	
Time	17:15:39	17:15:39	09:15:39	
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.306 mm/s on June 10, 2010 at 17:15:39



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Histogram Start Time 23:59:31 June 10, 2010
Histogram Finish Time 23:59:28 June 11, 2010
Number of Intervals 287 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.9 Volts (Battery Low)
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183D9ZE.N70

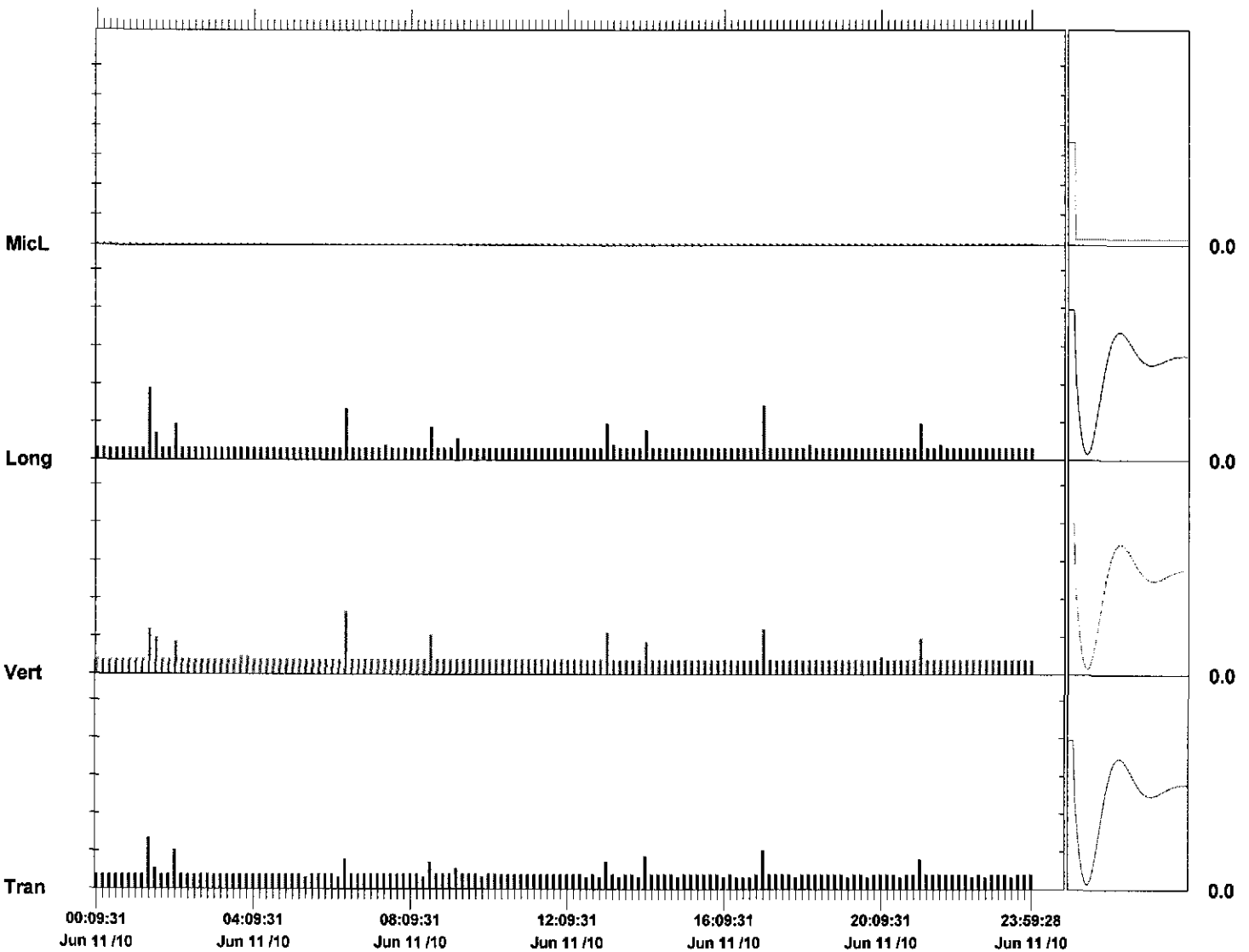
Notes

client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) on June 11, 2010 at 00:04:31
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.270	0.333	0.381	mm/s
ZC Freq	28	39	28	Hz
Date	Jun 11 /10	Jun 11 /10	Jun 11 /10	
Time	01:29:31	06:24:31	01:29:31	
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.446 mm/s on June 11, 2010 at 01:29:31
N/A: Not Applicable



Time Scale: 10 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Histogram Start Time 23:59:36 June 11, 2010
Histogram Finish Time 13:29:36 June 12, 2010
Number of Intervals 162 at 5 minutes
Range Geo:31.7 mm/s
Sample Rate 1024sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.7 Volts (Battery Very Low)
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183DA19.BCO

Notes

client: VILLE DE MTL
 General : MO26570-G1
 Emplacement : 9701 de la ROCHE EMPL 15
 Utilisateur : MC

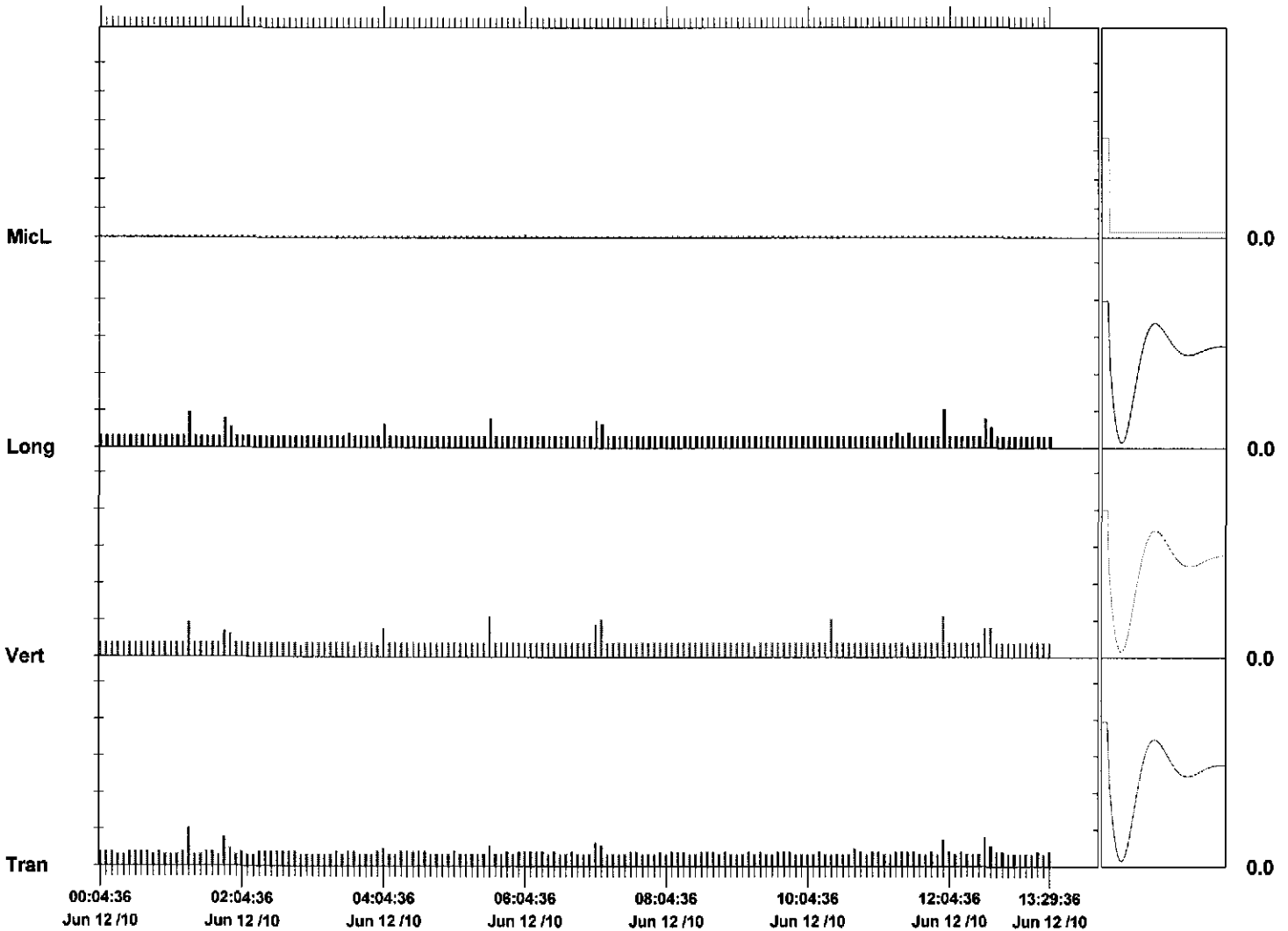
Microphone Linear Weighting
PSPL <88 dB(L) 0.500 pa.(L) on June 12, 2010 at 06:04:36
ZC Freq >100 Hz
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.206	0.222	0.206	mm/s
ZC Freq	34	39	34	Hz
Date	Jun 12 /10	Jun 12 /10	Jun 12 /10	
Time	01:19:36	05:34:36	11:59:36	
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.290 mm/s on June 12, 2010 at 11:59:36

Monitor Log

Jun 11 /10 23:59:36 Jun 12 /10 13:29:36 Event recorded. (Battery Low Exit)



Time Scale: 5 minutes /div **Amplitude Scale:** Geo: 0.200 mm/s/div Mic: 5.00 pa.(L)/div

Sensor Check

Date/Time Long at 09:14:07 June 10, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.4 Volts
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183D9Y9.NJ0

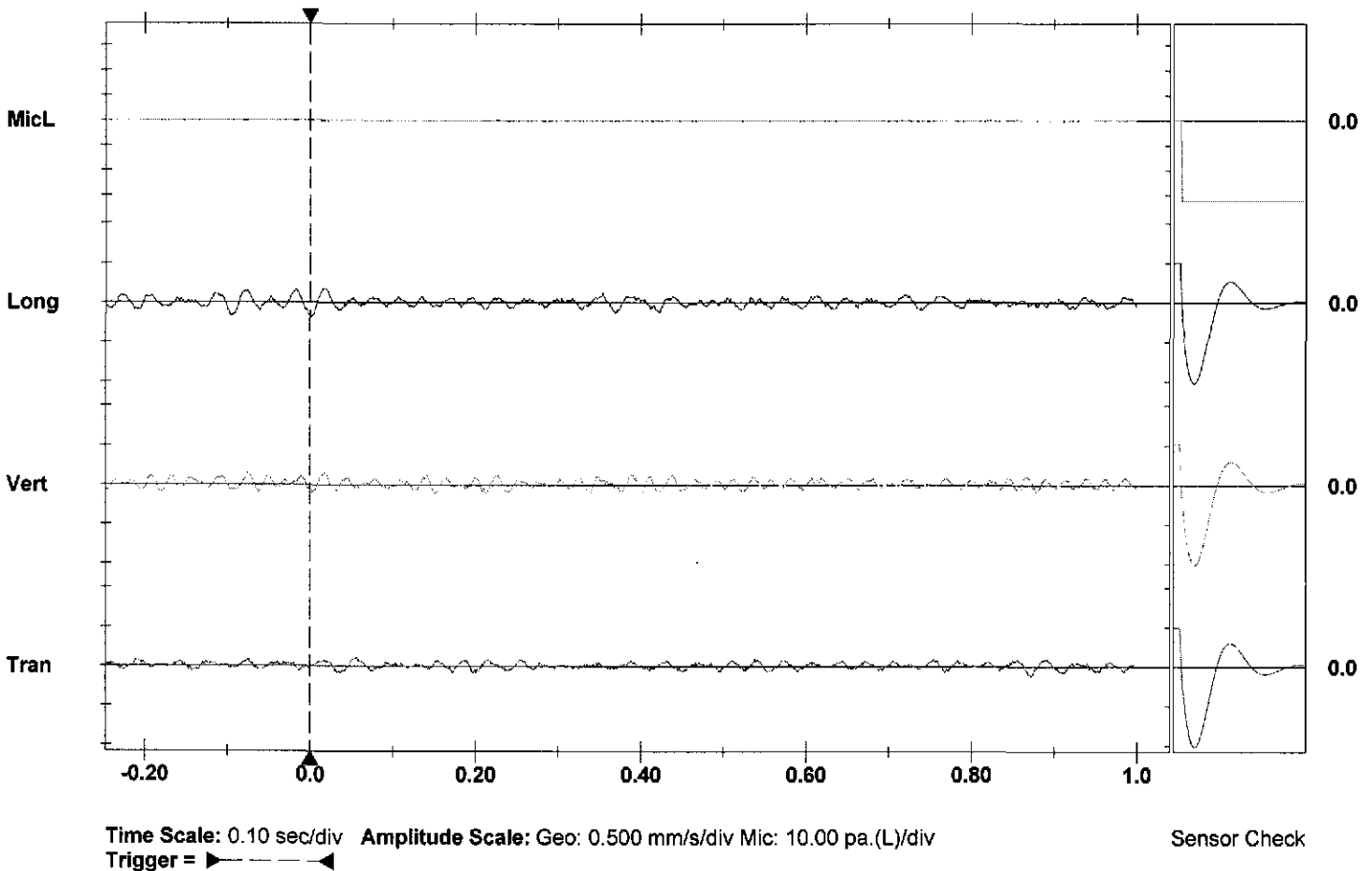
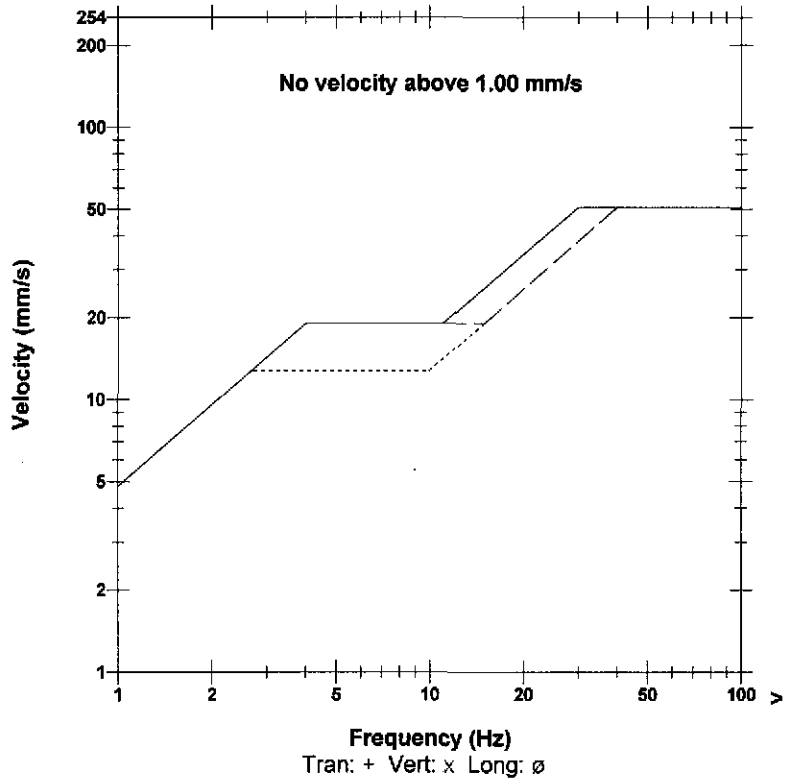
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.246 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.127	0.159	0.222	mm/s
PPV	33.1	35.0	37.9	dB
ZC Freq	34	37	30	Hz
Time (Rel. to Trig)	0.872	-0.075	0.000	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00064	0.00074	0.00102	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.249 mm/s at 0.018 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 17:13:39 June 10, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.3 Volts
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183D9YV.UR0

Notes

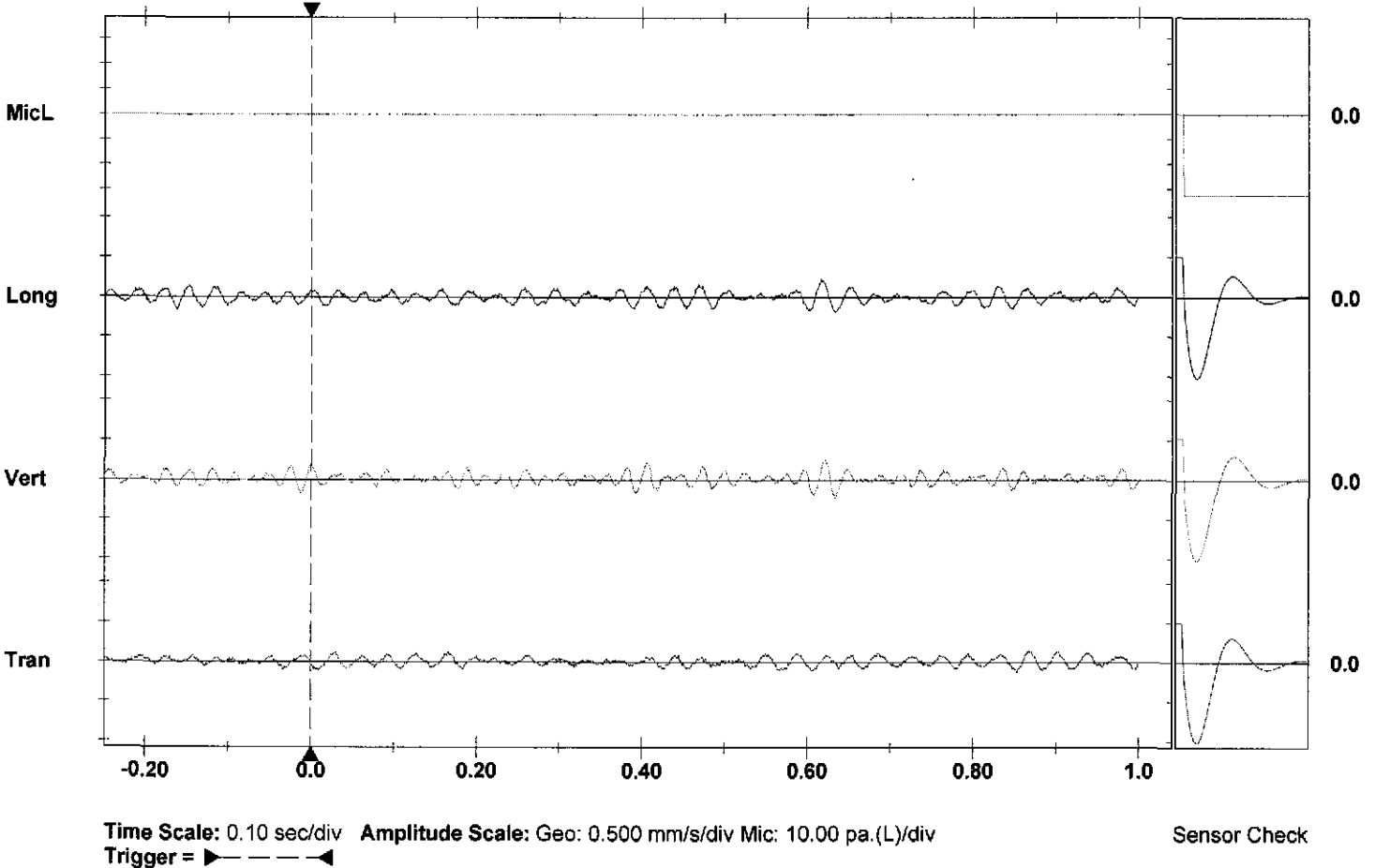
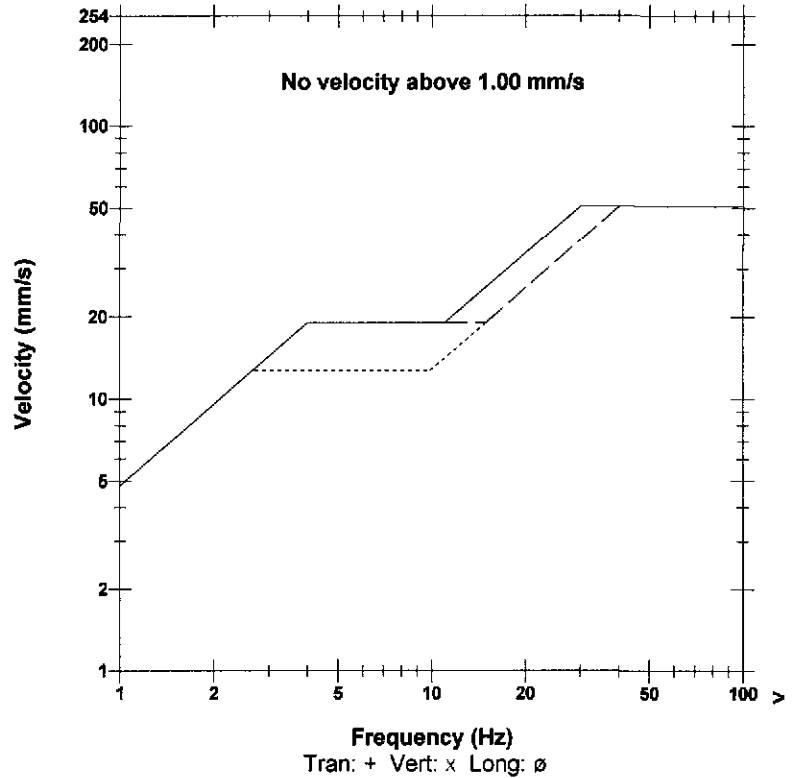
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.187 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.143	0.254	0.222	mm/s
PPV	34.1	39.1	37.9	dB
ZC Freq	30	39	32	Hz
Time (Rel. to Trig)	0.866	0.621	0.616	sec
Peak Acceleration	0.00663	0.00829	0.00829	g
Peak Displacement	0.00078	0.00108	0.00110	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.306 mm/s at 0.621 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 19:59:55 June 10, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.3 Volts
Unit Calibration December 22, 2009 by Instantel Inc.
File Name P183D9Z3.JV0

Notes

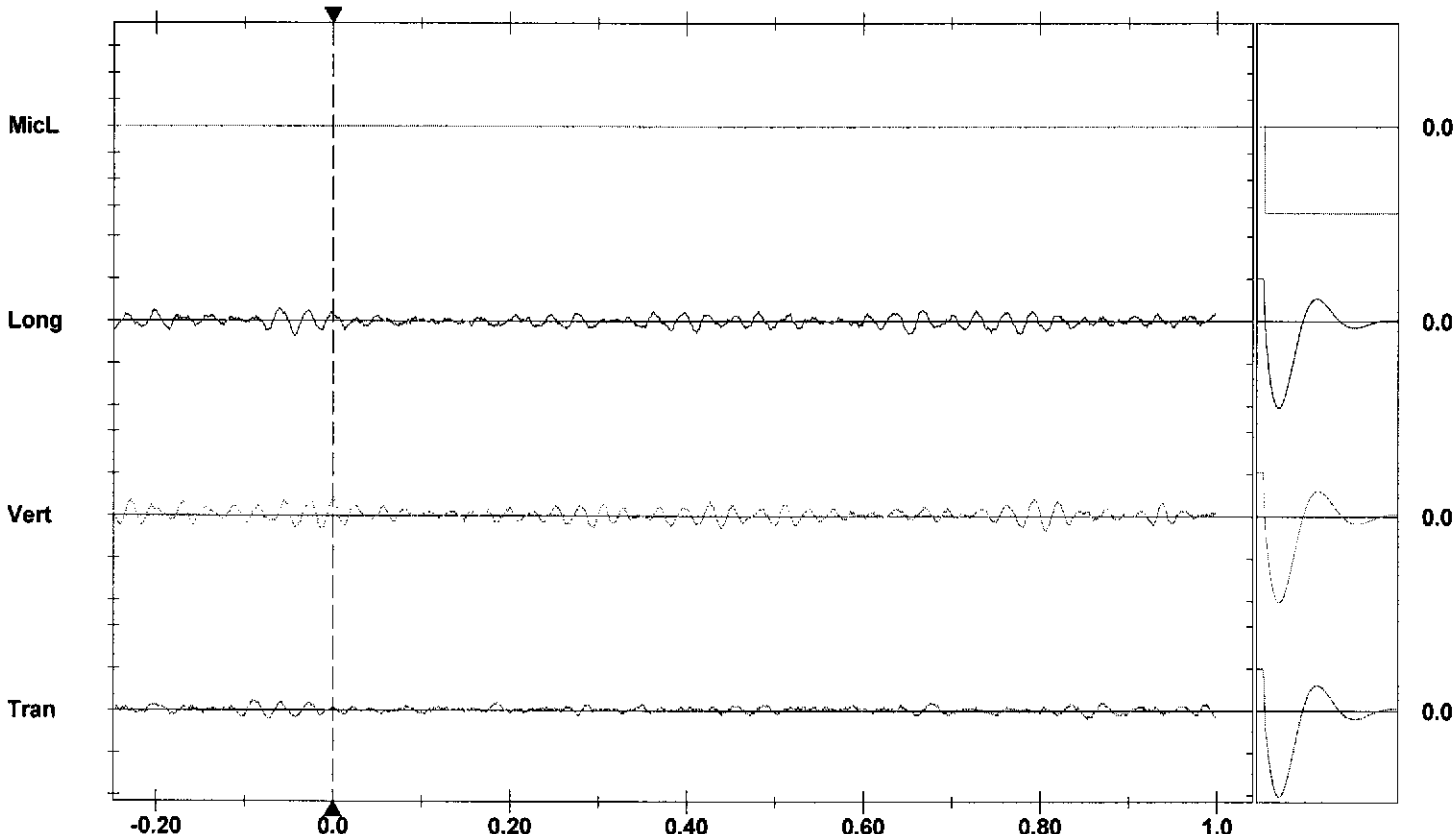
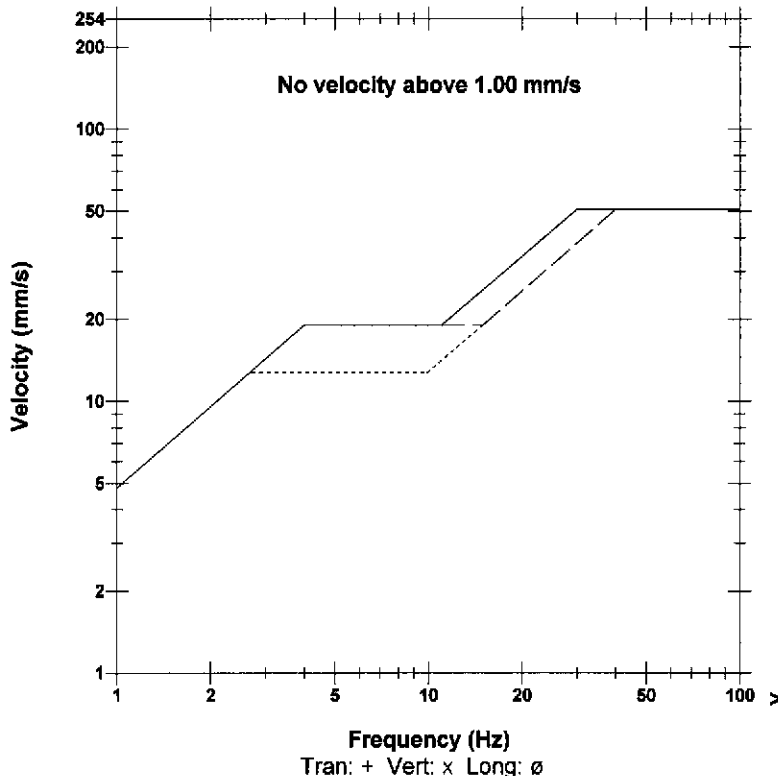
client: VILLE DE MTL
 General : MO26570-G1
 Emplacement : 9701 de la ROCHE EMPL 15
 Utilisateur : MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.247 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.111	0.222	0.175	mm/s
PPV	31.9	37.9	35.8	dB
ZC Freq	30	37	37	Hz
Time (Rel. to Trig)	-0.091	0.001	-0.044	sec
Peak Acceleration	0.00497	0.00829	0.00663	g
Peak Displacement	0.00059	0.00099	0.00075	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.239 mm/s at -0.043 sec
 N/A: Not Applicable

USBM R18507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Vert at 20:00:25 June 10, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

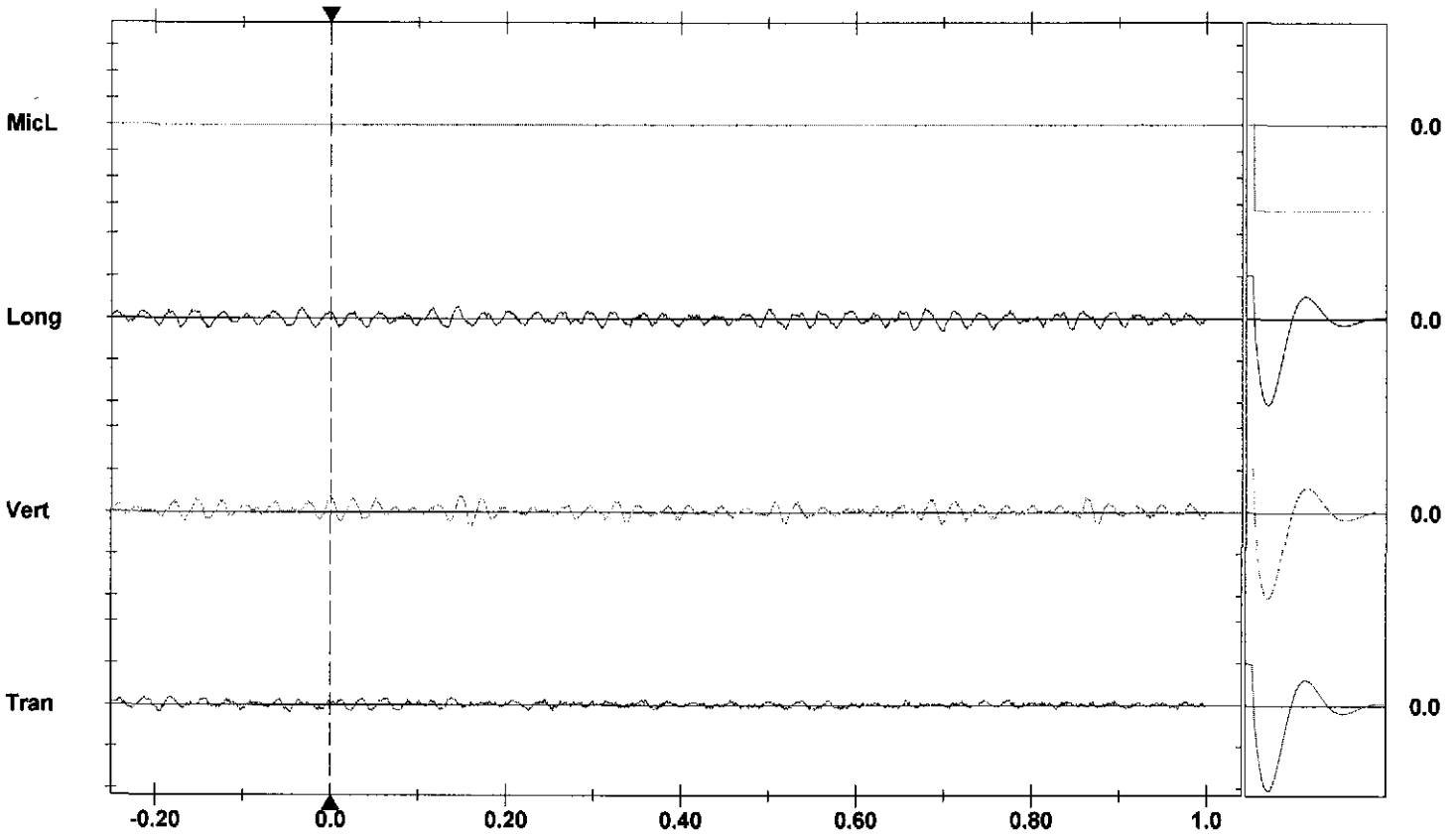
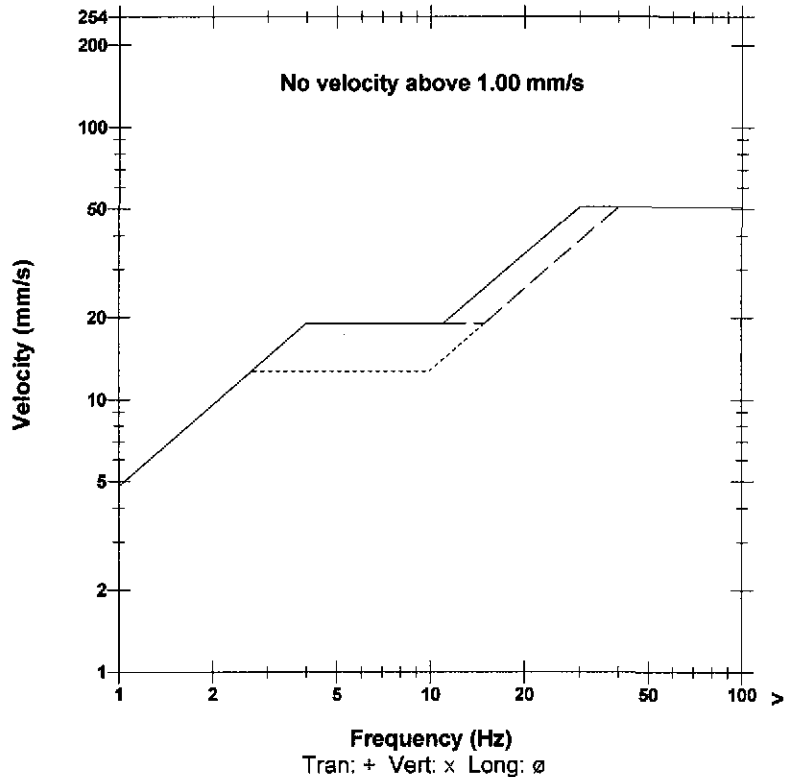
Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.3 Volts
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183D9Z3.KPO

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.237 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0952	0.206	0.143	mm/s
PPV	30.6	37.3	34.1	dB
ZC Freq	32	37	39	Hz
Time (Rel. to Trig)	-0.212	0.000	0.145	sec
Peak Acceleration	0.00663	0.00994	0.00663	g
Peak Displacement	0.00042	0.00088	0.00060	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.230 mm/s at 0.146 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Long at 01:29:16 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183D9ZI.SS0

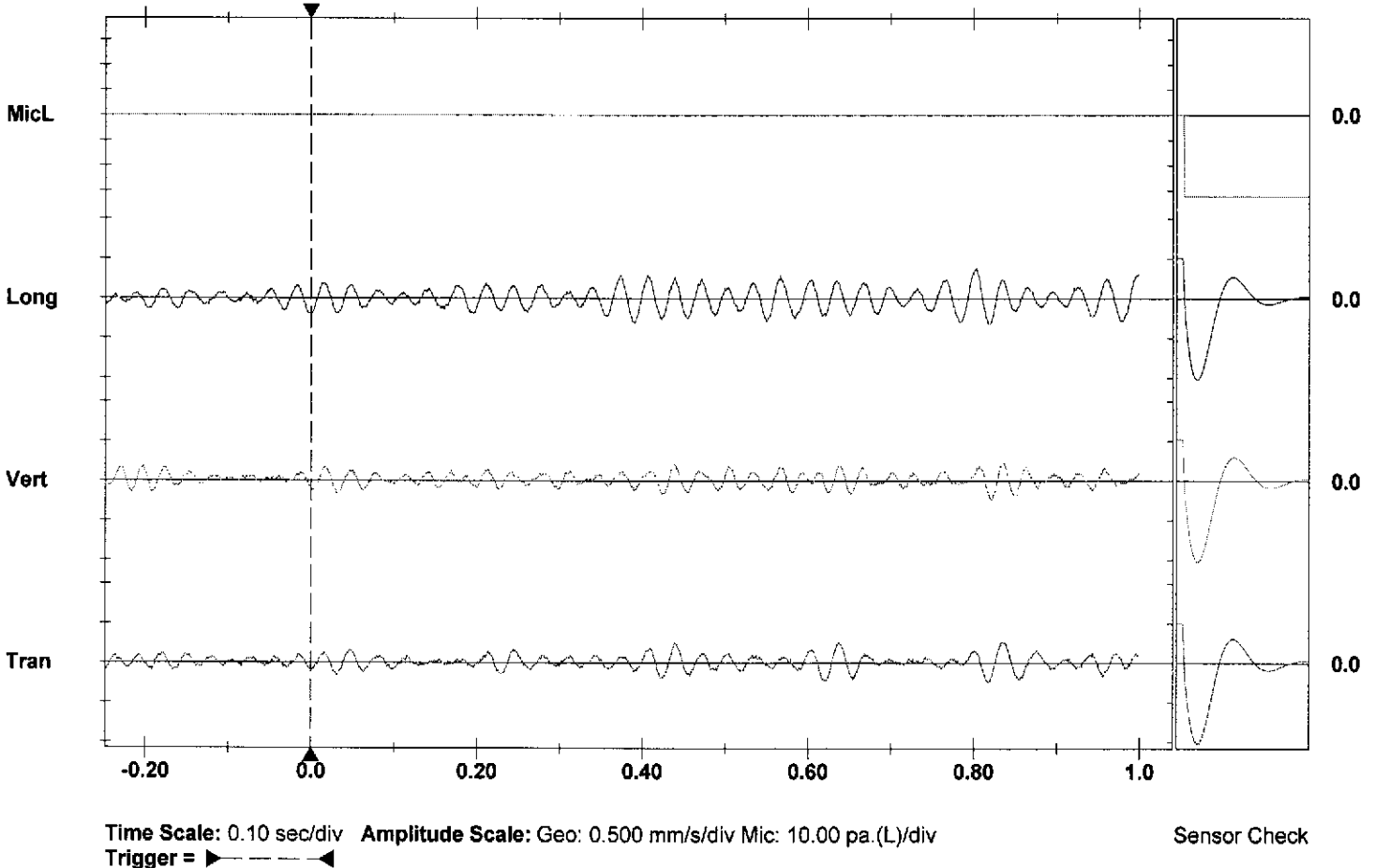
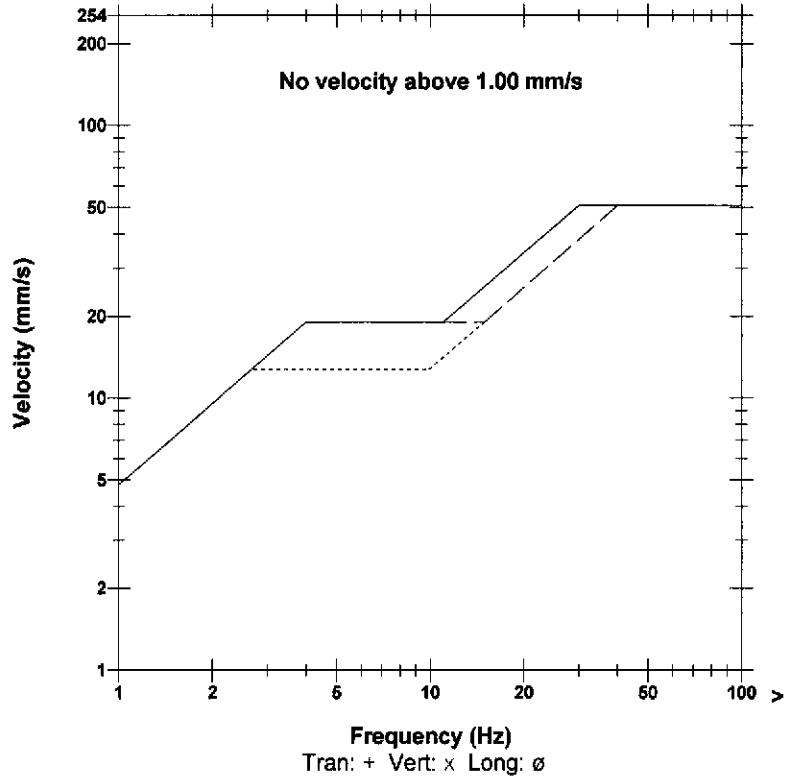
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.239 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.270	0.238	0.381	mm/s
PPV	39.6	38.5	42.6	dB
ZC Freq	28	37	28	Hz
Time (Rel. to Trig)	0.638	0.821	0.803	sec
Peak Acceleration	0.00829	0.00829	0.00994	g
Peak Displacement	0.00171	0.00105	0.00206	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.439 mm/s at 0.819 sec
 N/A: Not Applicable

USBM R18507 And OSMRE



Date/Time Long at 01:29:18 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183D9ZI.SU0

Notes

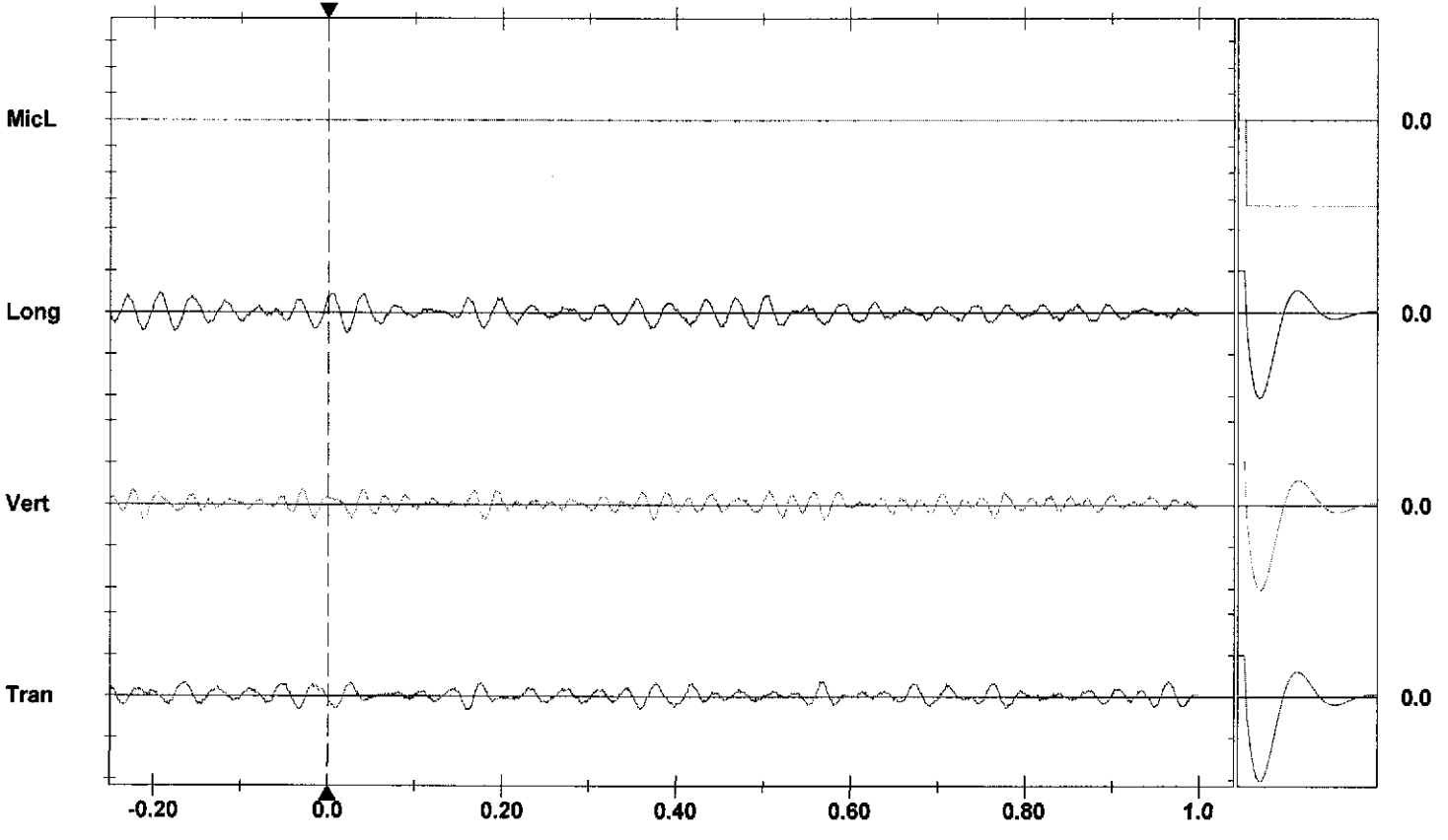
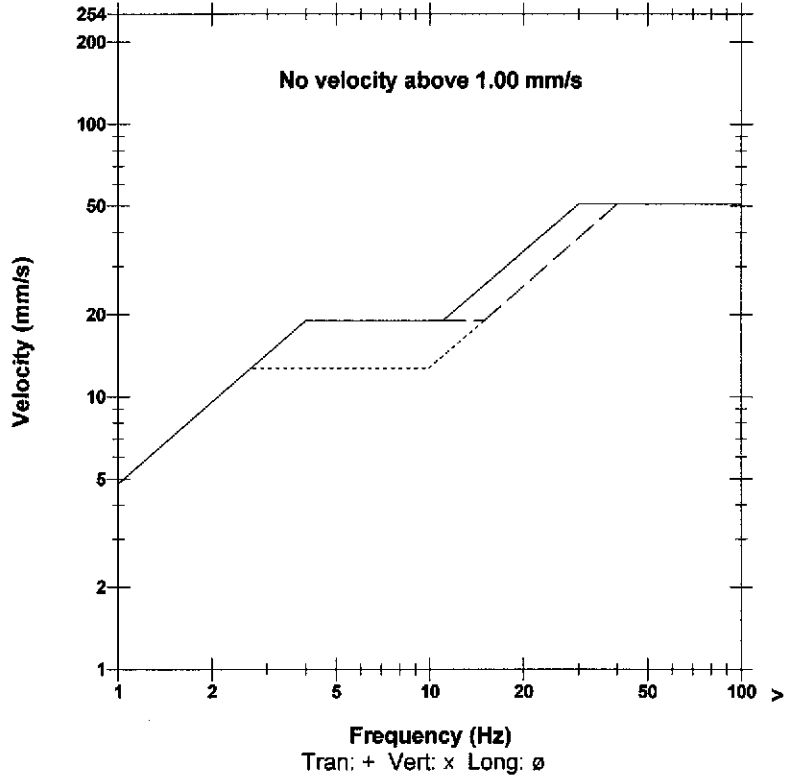
client: VILLE DE MTL
 General : MO26570-G1
 Emplacement : 9701 de la ROCHE EMPL 15
 Utilisateur : MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.249 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.190	0.190	0.238	mm/s
PPV	36.6	36.6	38.5	dB
ZC Freq	30	37	28	Hz
Time (Rel. to Trig)	0.565	-0.029	-0.193	sec
Peak Acceleration	0.00829	0.00829	0.00829	g
Peak Displacement	0.00109	0.00079	0.00136	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.292 mm/s at 0.022 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 02:05:11 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by Instantel Inc.
File Name P183D9ZK.GNO

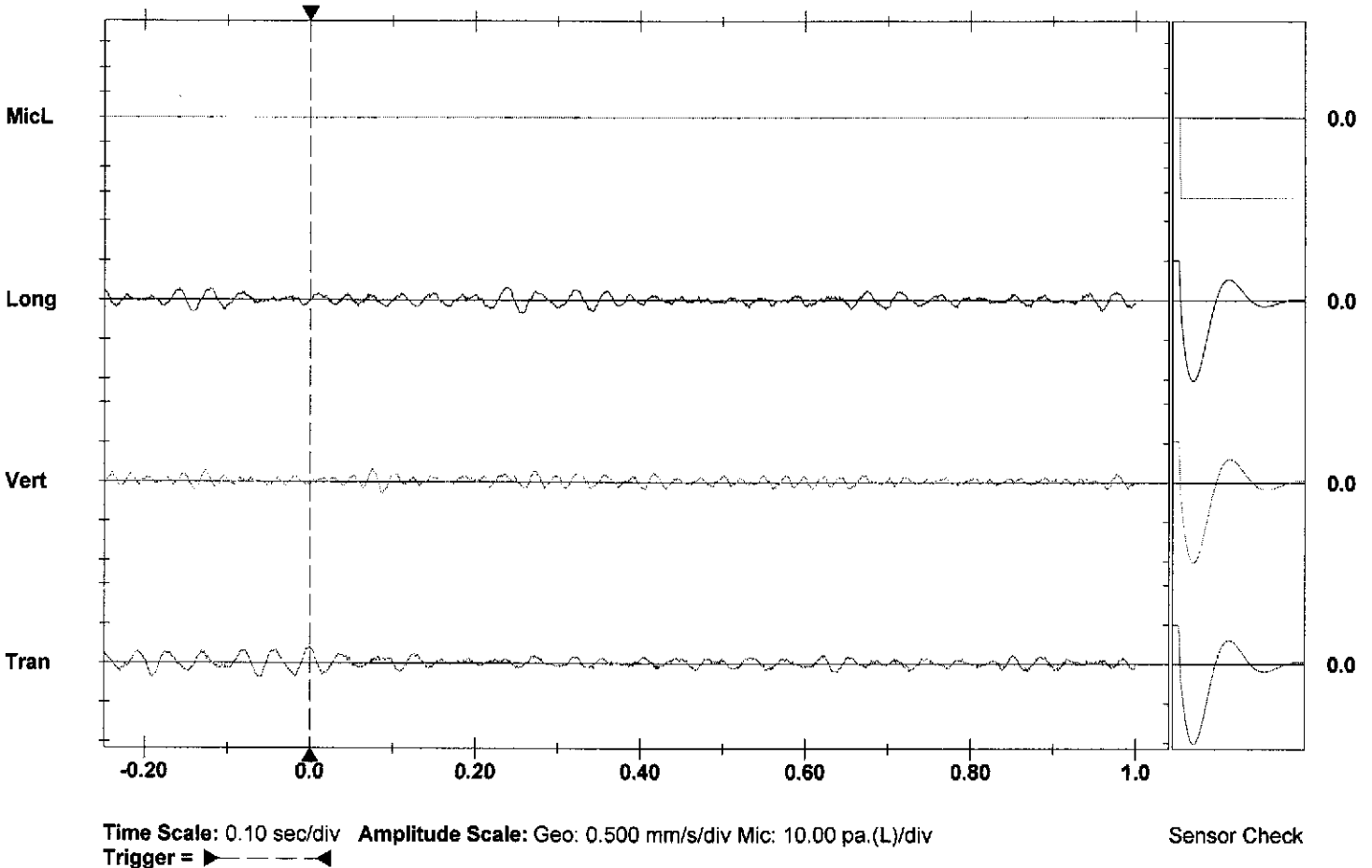
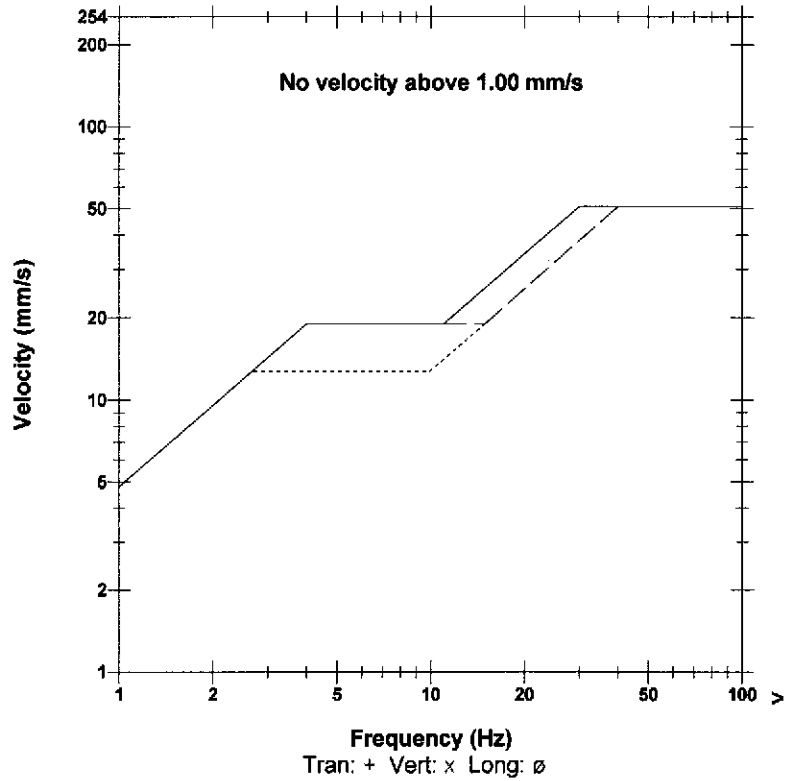
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.235 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.206	0.175	0.159	mm/s
PPV	37.3	35.8	35.0	dB
ZC Freq	28	37	28	Hz
Time (Rel. to Trig)	0.000	0.075	-0.142	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00117	0.00071	0.00099	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.217 mm/s at -0.128 sec
 N/A: Not Applicable

USBM R18507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Date/Time Vert at 06:24:03 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183D9ZW.G30

Notes

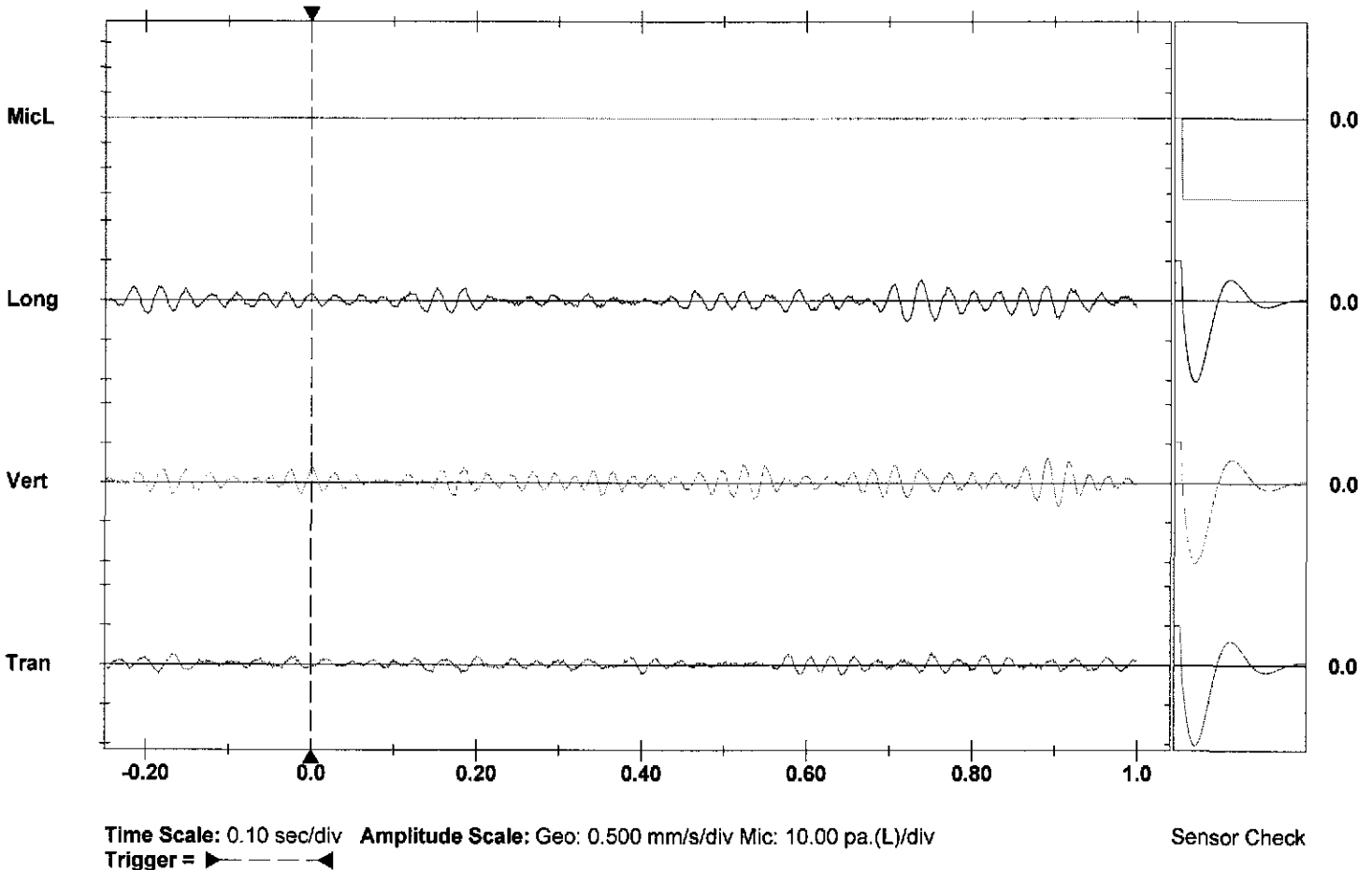
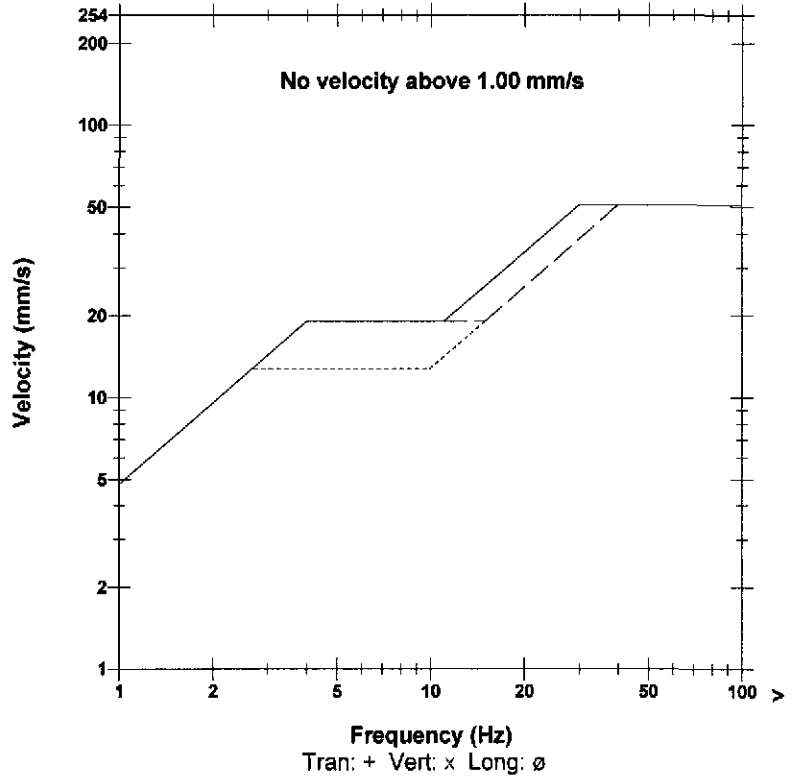
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.245 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.159	0.317	0.270	mm/s
PPV	35.0	41.0	39.6	dB
ZC Freq	34	39	30	Hz
Time (Rel. to Trig)	0.752	0.891	0.738	sec
Peak Acceleration	0.00829	0.00994	0.00663	g
Peak Displacement	0.00071	0.00133	0.00145	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.364 mm/s at 0.891 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 06:24:05 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

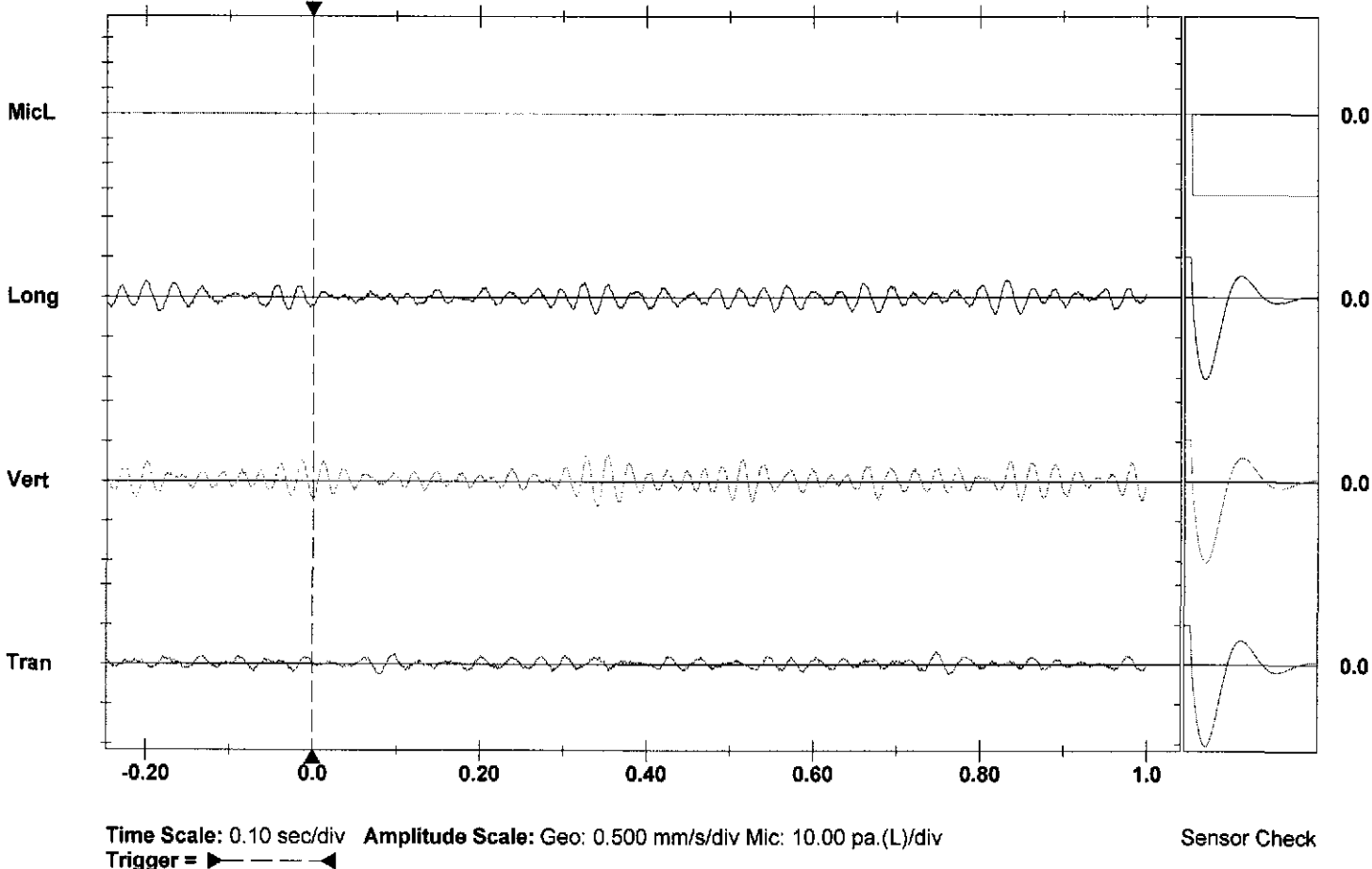
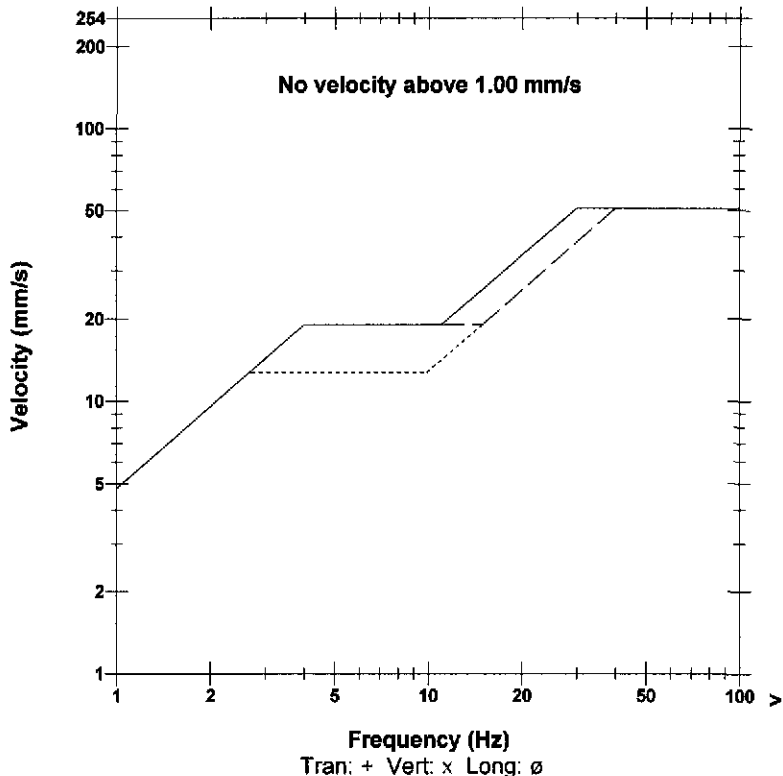
Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183D9ZW.G50

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.229 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.159	0.333	0.222	mm/s
PPV	35.0	41.5	37.9	dB
ZC Freq	28	39	32	Hz
Time (Rel. to Trig)	0.747	0.327	0.832	sec
Peak Acceleration	0.00663	0.0116	0.00663	g
Peak Displacement	0.00084	0.00143	0.00116	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.379 mm/s at 0.340 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 06:24:06 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.2 Volts
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183D9ZW.G60

Notes

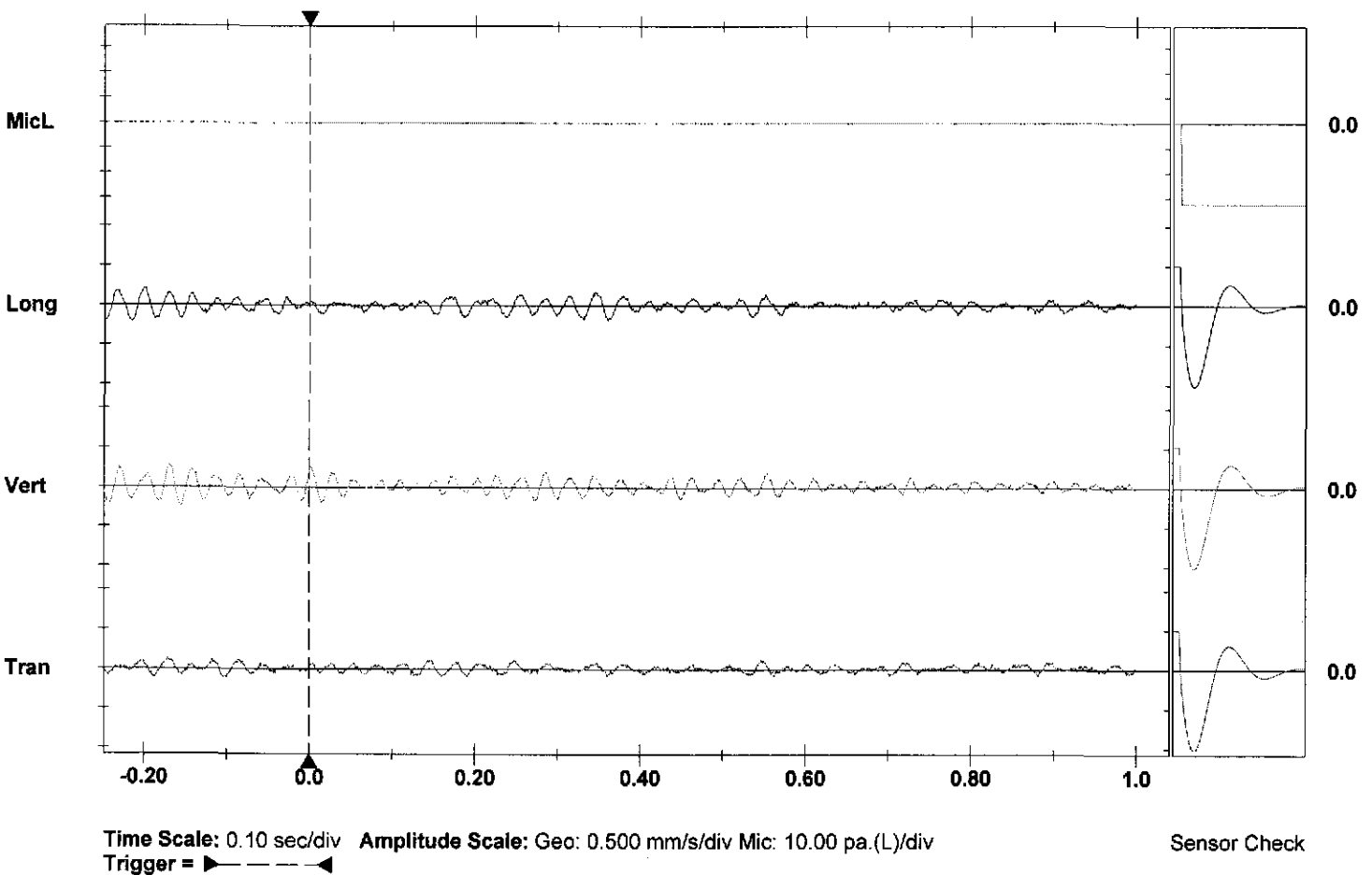
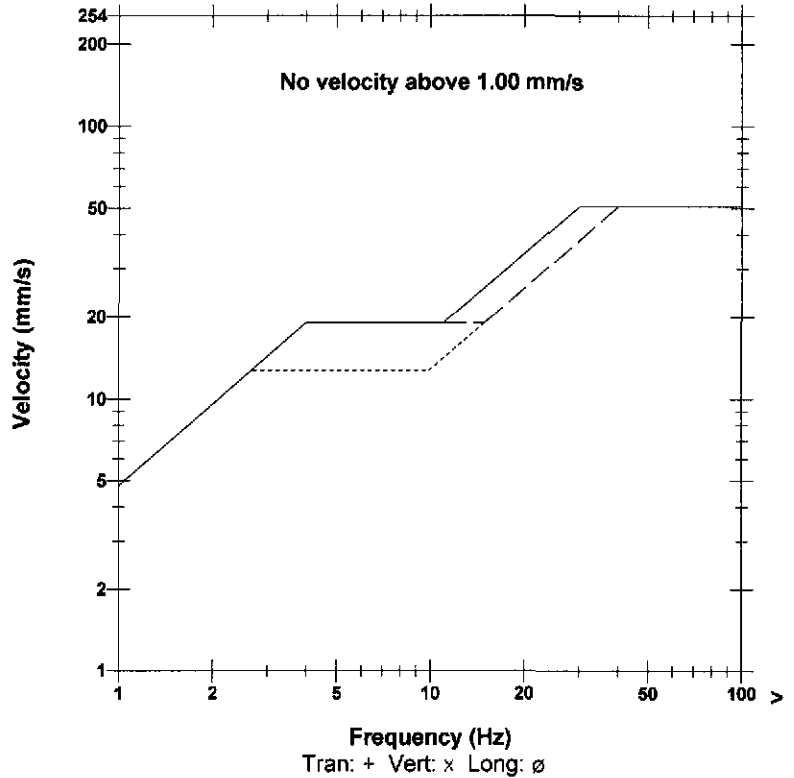
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.246 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.127	0.286	0.206	mm/s
PPV	33.1	40.1	37.3	dB
ZC Freq	28	39	34	Hz
Time (Rel. to Trig)	-0.171	-0.169	-0.215	sec
Peak Acceleration	0.00663	0.00994	0.00829	g
Peak Displacement	0.00070	0.00118	0.00098	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.345 mm/s at -0.169 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Date/Time Vert at 08:38:00 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.1 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183DA02.NC0

Notes

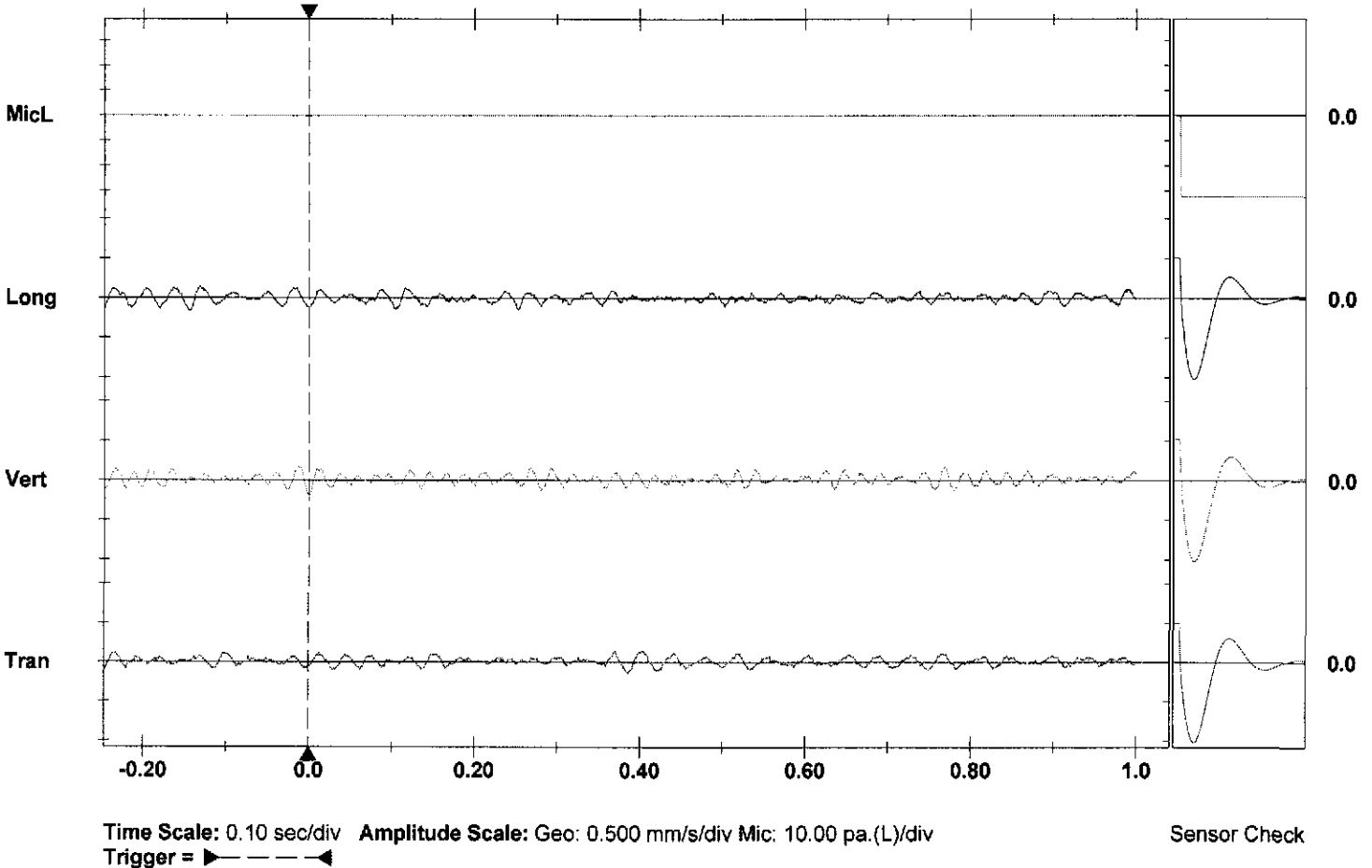
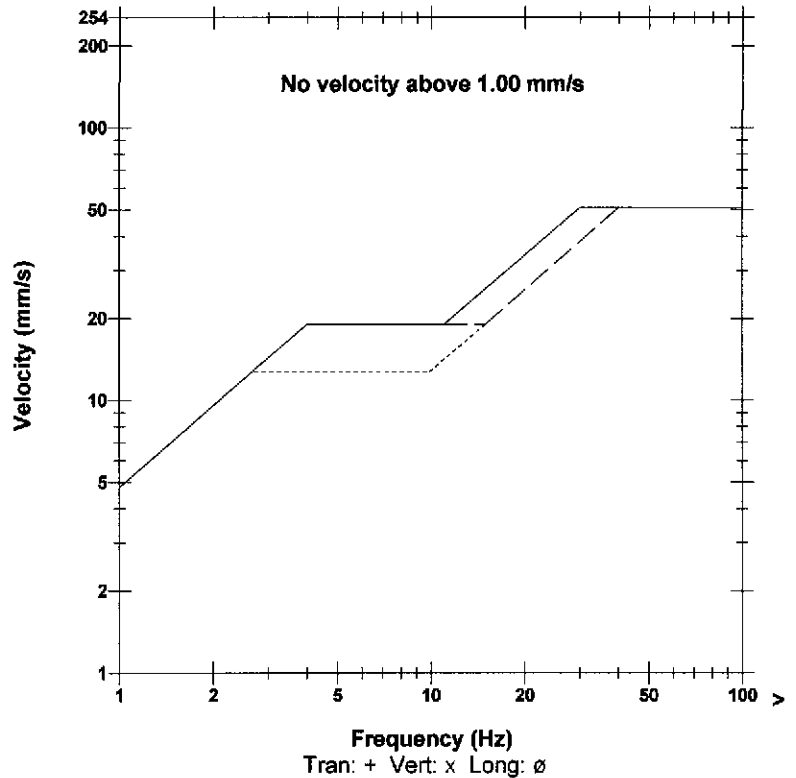
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.247 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.143	0.206	0.159	mm/s
PPV	34.1	37.3	35.0	dB
ZC Freq	32	51	34	Hz
Time (Rel. to Trig)	0.370	0.000	-0.146	sec
Peak Acceleration	0.00663	0.00663	0.00663	g
Peak Displacement	0.00085	0.00078	0.00076	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.251 mm/s at 0.000 sec
N/A: Not Applicable

USBM R18507 And OSMRE



Date/Time Vert at 12:59:42 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.1 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183DA0E.R10

Notes

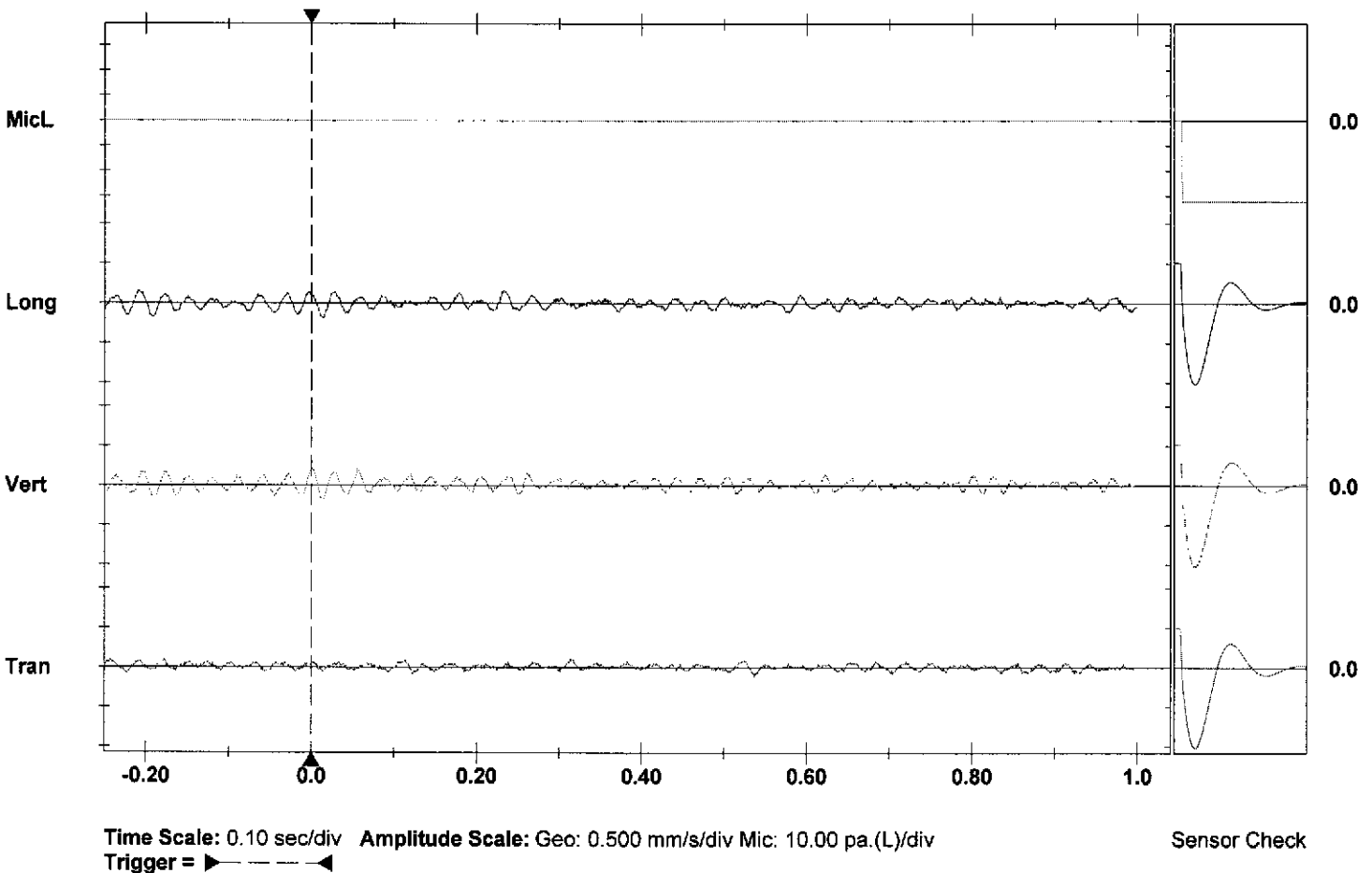
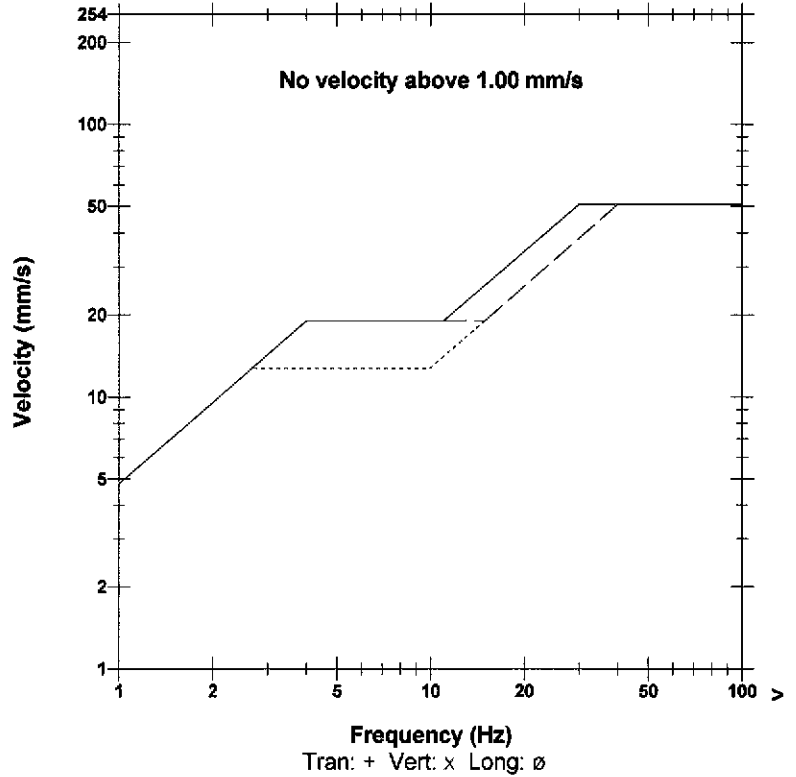
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.249 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.111	0.222	0.190	mm/s
PPV	31.9	37.9	36.6	dB
ZC Freq	34	37	37	Hz
Time (Rel. to Trig)	0.314	0.001	0.015	sec
Peak Acceleration	0.00663	0.00663	0.00829	g
Peak Displacement	0.00045	0.00091	0.00081	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.263 mm/s at 0.015 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 12:59:44 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.1 Volts
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183DAOE.RK0

Notes

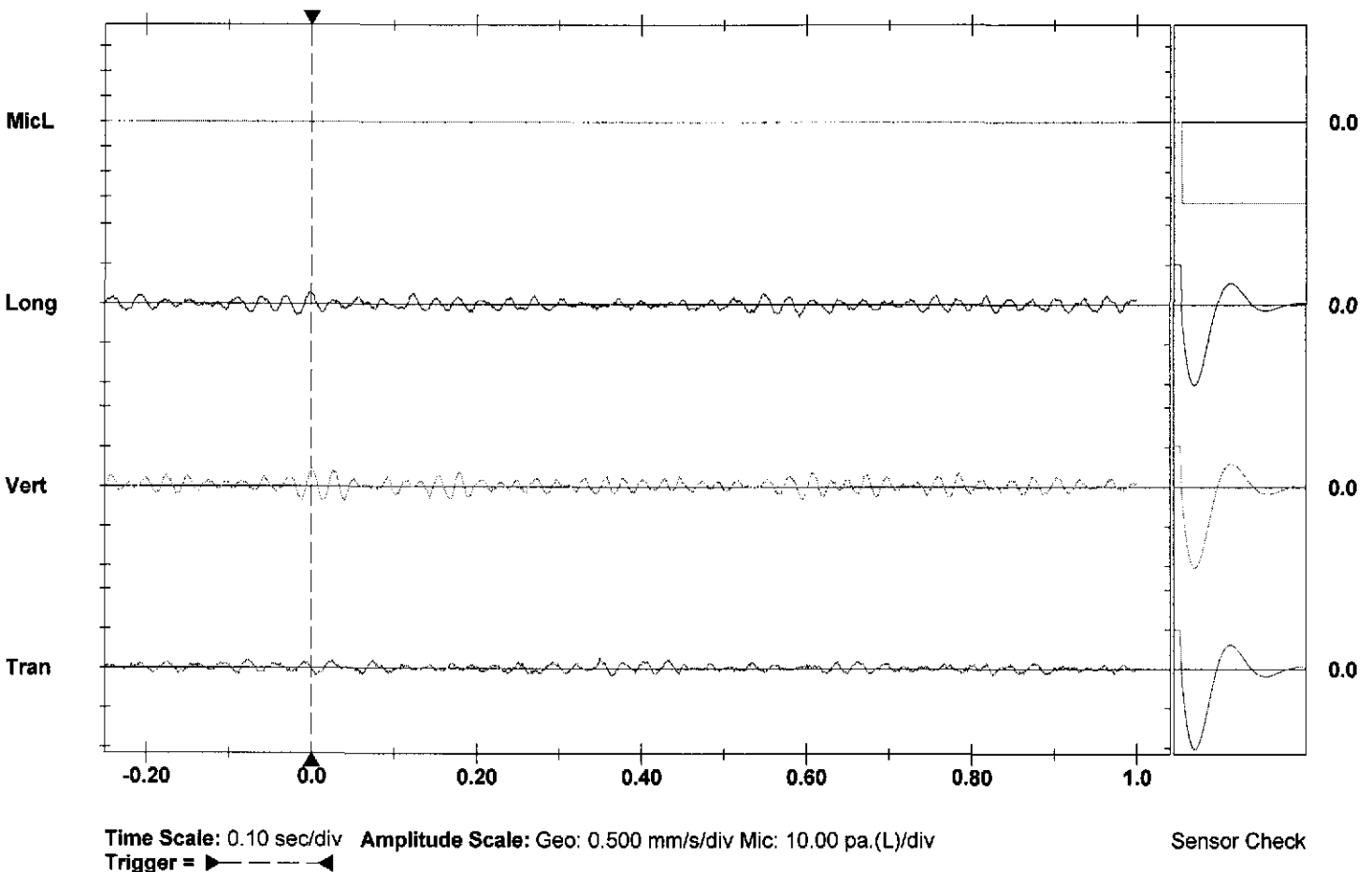
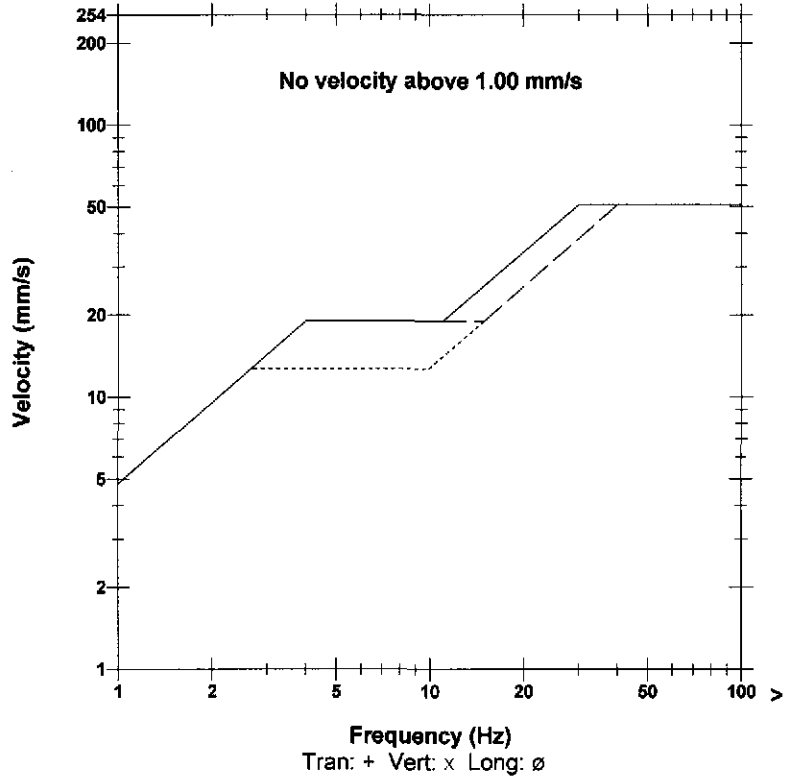
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.232 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.143	0.222	0.159	mm/s
PPV	34.1	37.9	35.0	dB
ZC Freq	34	37	37	Hz
Time (Rel. to Trig)	0.350	0.001	0.592	sec
Peak Acceleration	0.00663	0.00829	0.00663	g
Peak Displacement	0.00050	0.00095	0.00070	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.258 mm/s at 0.001 sec
 N/A: Not Applicable

USBM R18507 And OSMRE



Date/Time Long at 17:07:34 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.0 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183DAOQ.8M0

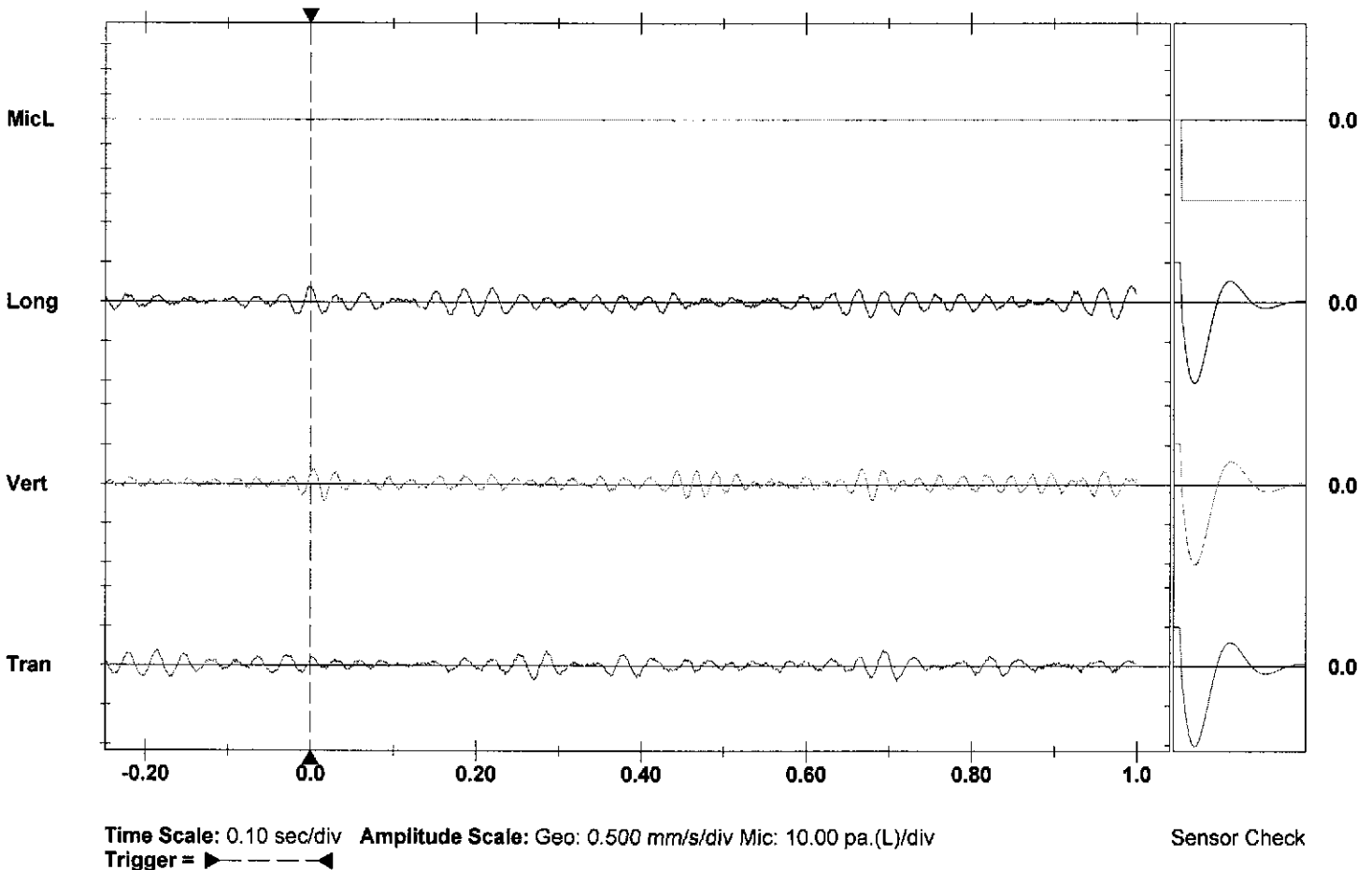
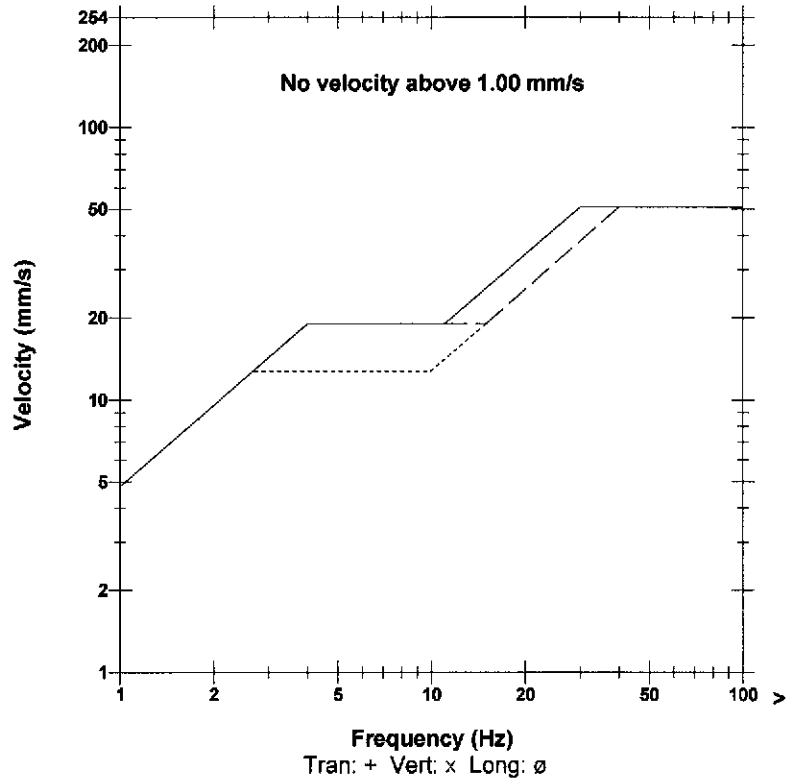
Notes
 client: VILLE DE MTL
 General: MO26570-C1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.239 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.206	0.222	0.206	mm/s
PPV	37.3	37.9	37.3	dB
ZC Freq	30	43	34	Hz
Time (Rel. to Trig)	0.693	0.017	0.000	sec
Peak Acceleration	0.00663	0.00994	0.00663	g
Peak Displacement	0.00109	0.00090	0.00109	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.306 mm/s at 0.680 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Long at 17:07:36 June 11, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 6.0 Volts
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183DA0Q.800

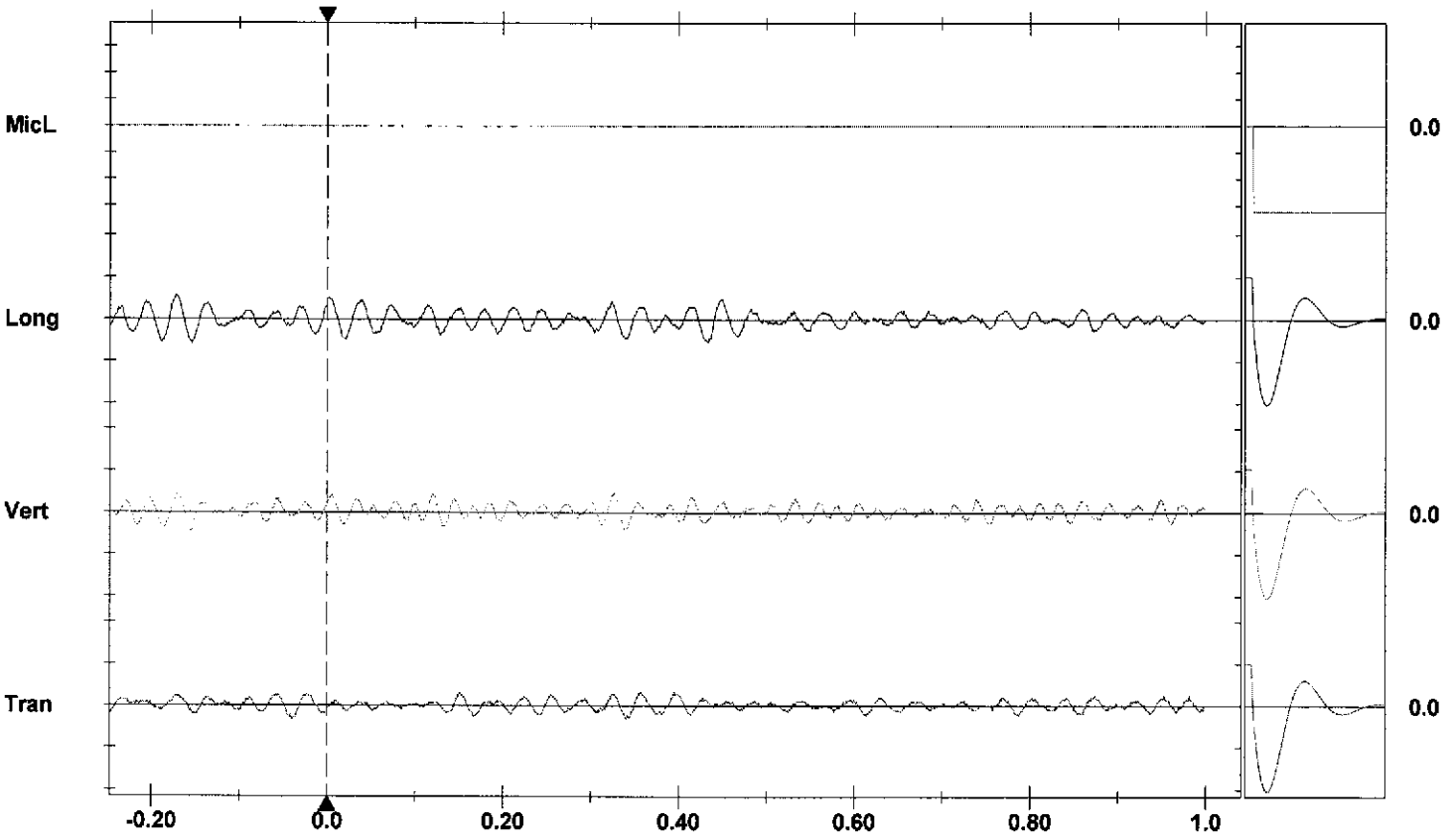
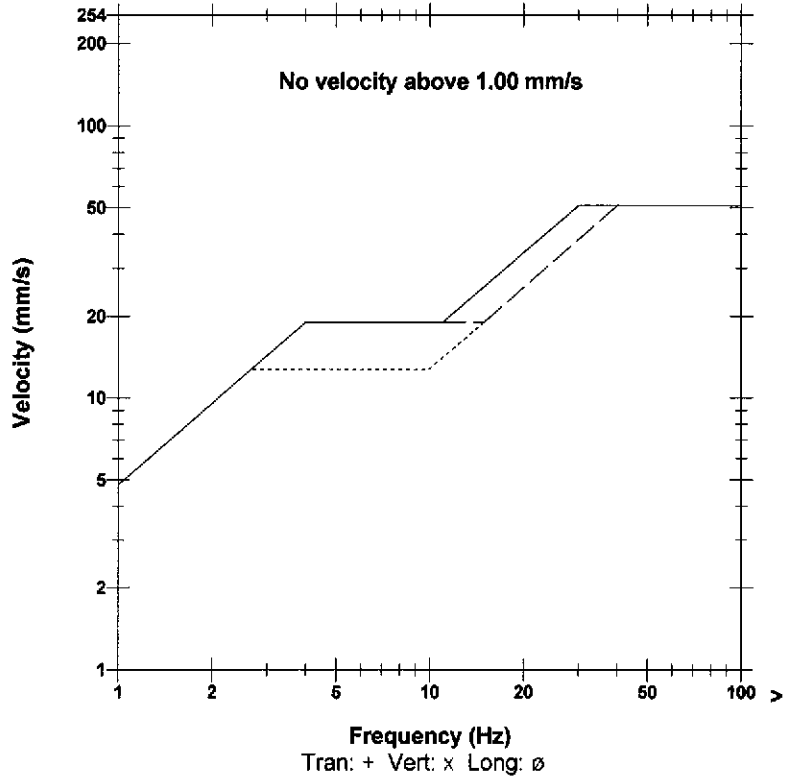
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.245 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.175	0.238	0.286	mm/s
PPV	35.8	38.5	40.1	dB
ZC Freq	32	34	32	Hz
Time (Rel. to Trig)	-0.040	0.327	-0.172	sec
Peak Acceleration	0.00663	0.00829	0.00829	g
Peak Displacement	0.00091	0.00107	0.00150	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.372 mm/s at -0.171 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Tran at 01:17:03 June 12, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.9 Volts (Battery Low)
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183DA1C.WF0

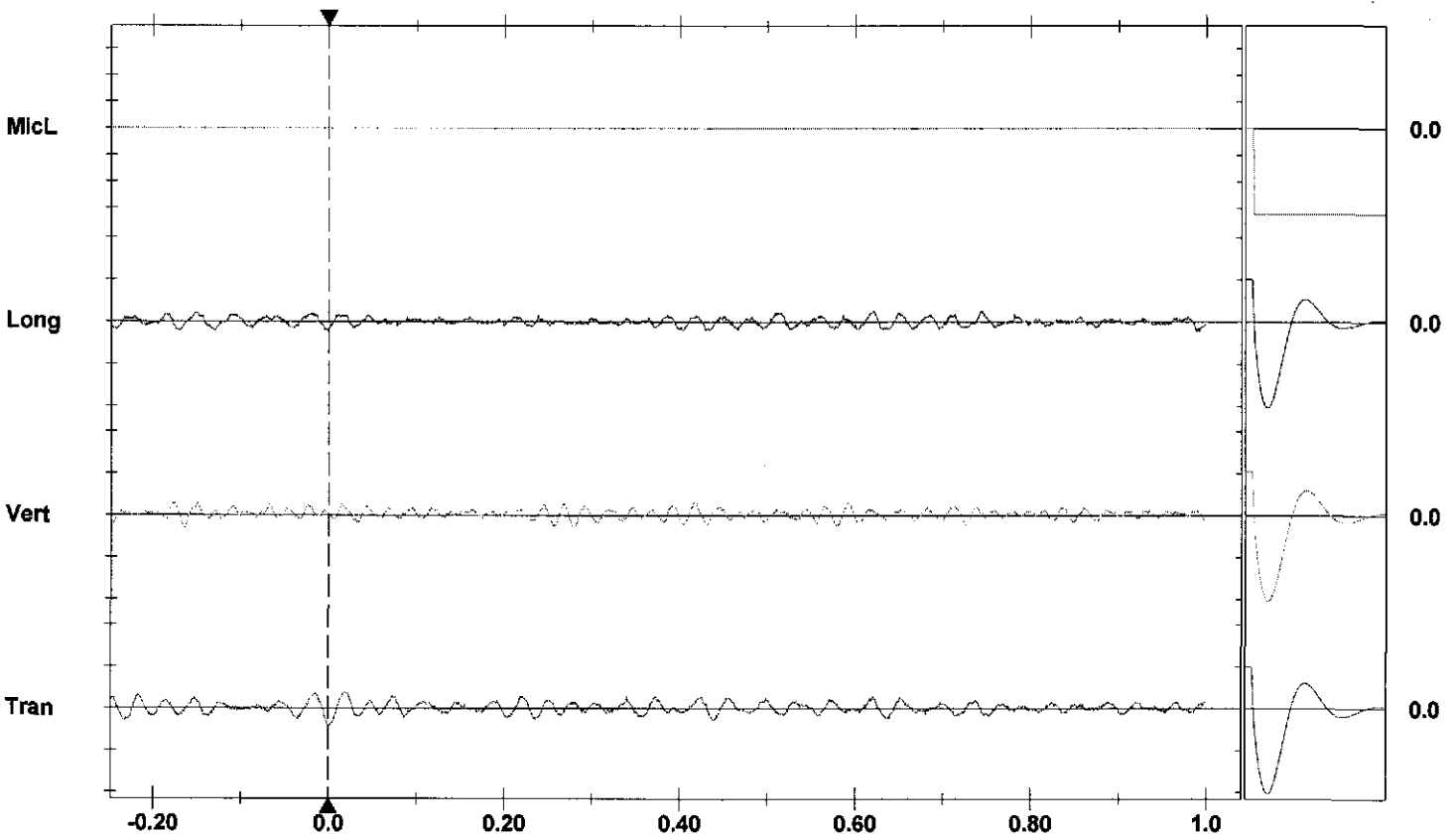
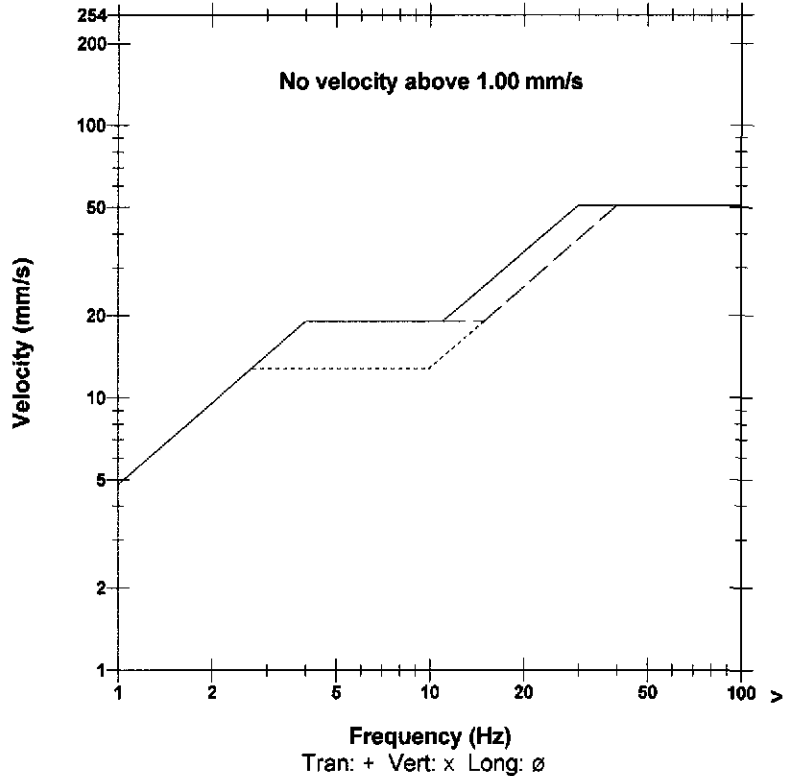
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.239 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.206	0.159	0.127	mm/s
PPV	37.3	35.0	33.1	dB
ZC Freq	34	57	34	Hz
Time (Rel. to Trig)	0.000	-0.164	0.620	sec
Peak Acceleration	0.00829	0.00829	0.00829	g
Peak Displacement	0.00110	0.00064	0.00065	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.222 mm/s at 0.000 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
Trigger =

Sensor Check

Date/Time Vert at 05:31:47 June 12, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.8 Volts (Battery Low)
Unit Calibration December 22, 2009 by InstanTel Inc.
File Name P183DA10.OZ0

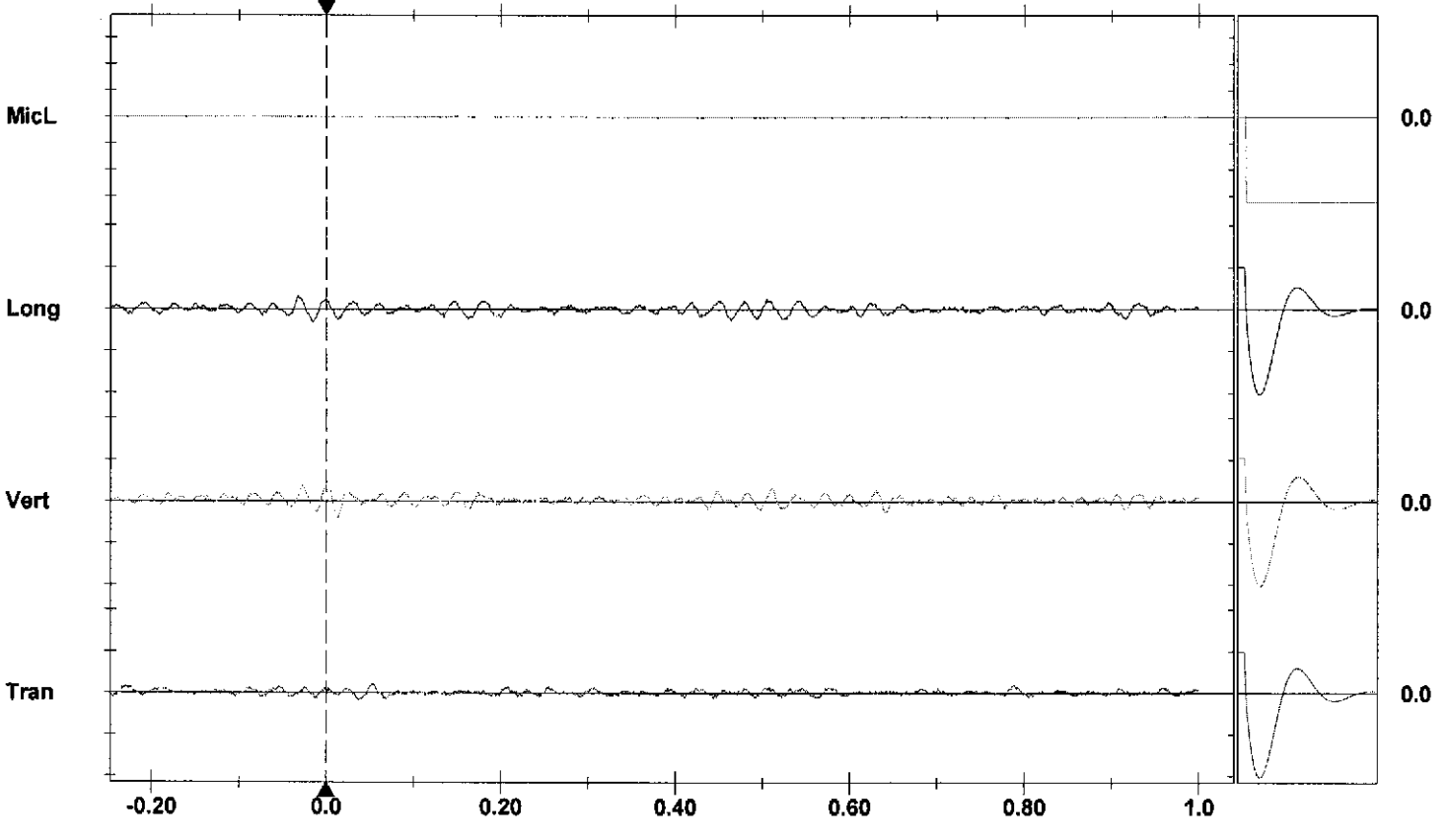
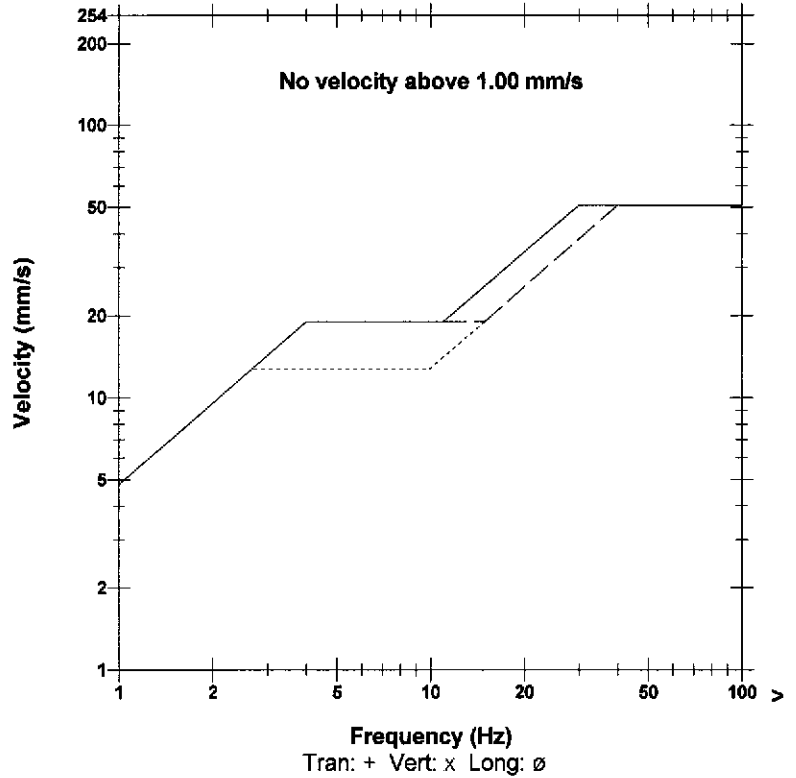
Notes
 client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.227 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.111	0.222	0.159	mm/s
PPV	31.9	37.9	35.0	dB
ZC Freq	43	39	39	Hz
Time (Rel. to Trig)	0.053	0.001	-0.032	sec
Peak Acceleration	0.00663	0.00829	0.00663	g
Peak Displacement	0.00047	0.00094	0.00065	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.250 mm/s at 0.002 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Vert at 07:04:52 June 12, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.8 Volts (Battery Low)
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183DA1T.040

Notes

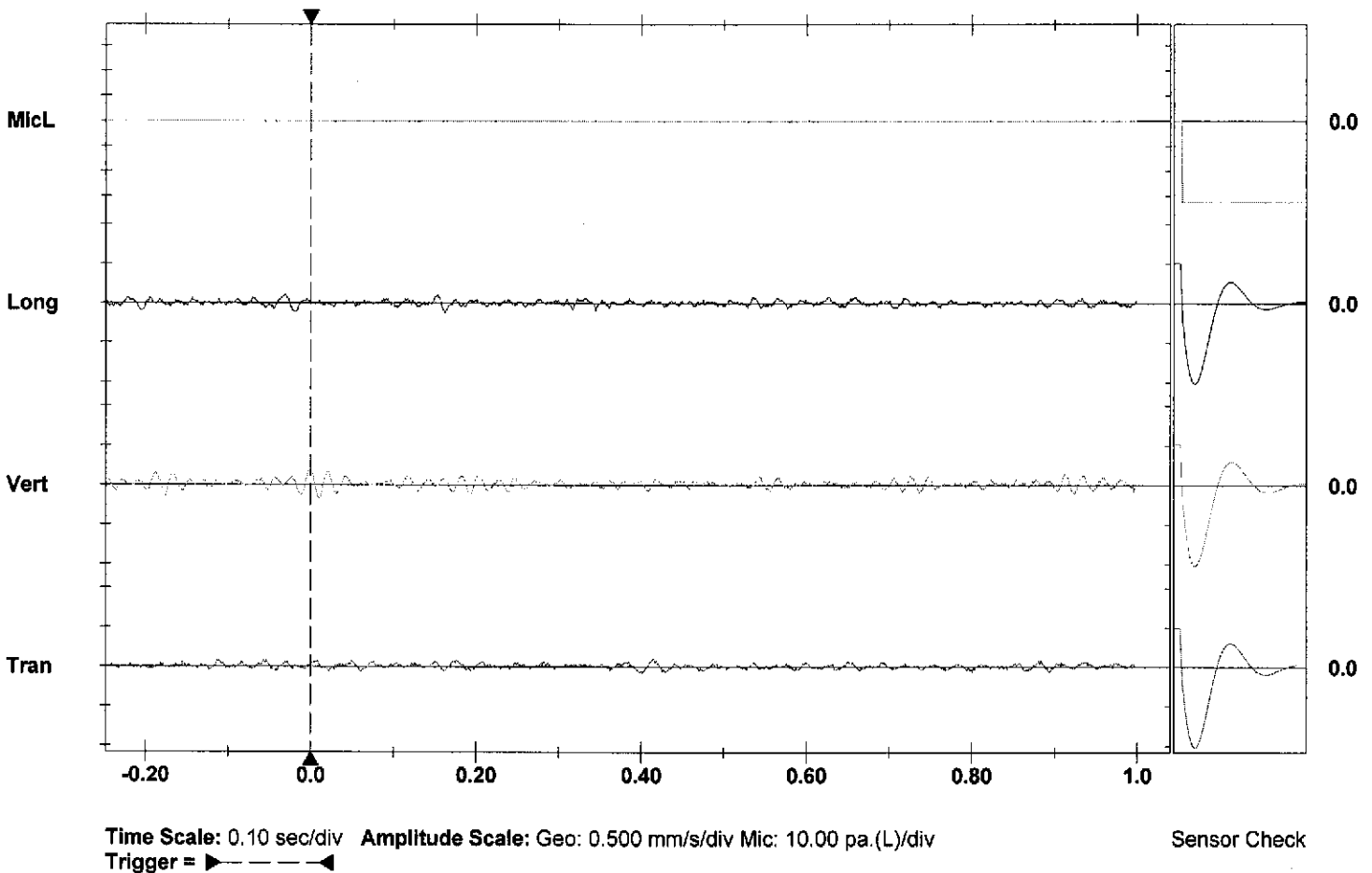
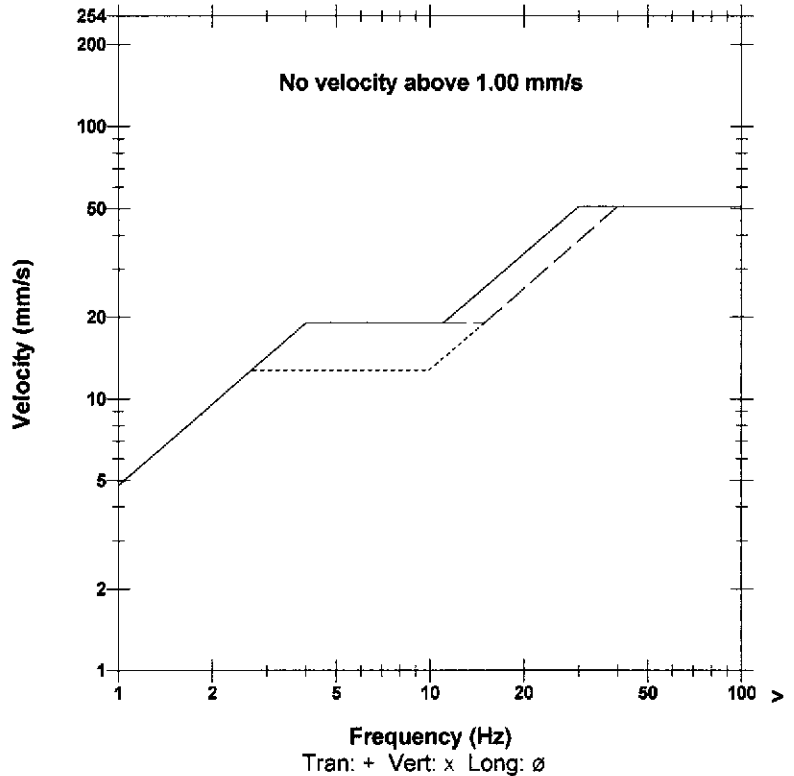
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.224 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.111	0.206	0.127	mm/s
PPV	31.9	37.3	33.1	dB
ZC Freq	37	43	43	Hz
Time (Rel. to Trig)	0.414	0.000	0.162	sec
Peak Acceleration	0.00829	0.00663	0.00497	g
Peak Displacement	0.00043	0.00077	0.00045	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.208 mm/s at 0.000 sec
N/A: Not Applicable

USBM RI8507 And OSMRE



Date/Time Vert at 10:23:04 June 12, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.7 Volts (Battery Low)
Unit Calibration December 22, 2009 by InstanTEL Inc.
File Name P183DA22.6G0

Notes

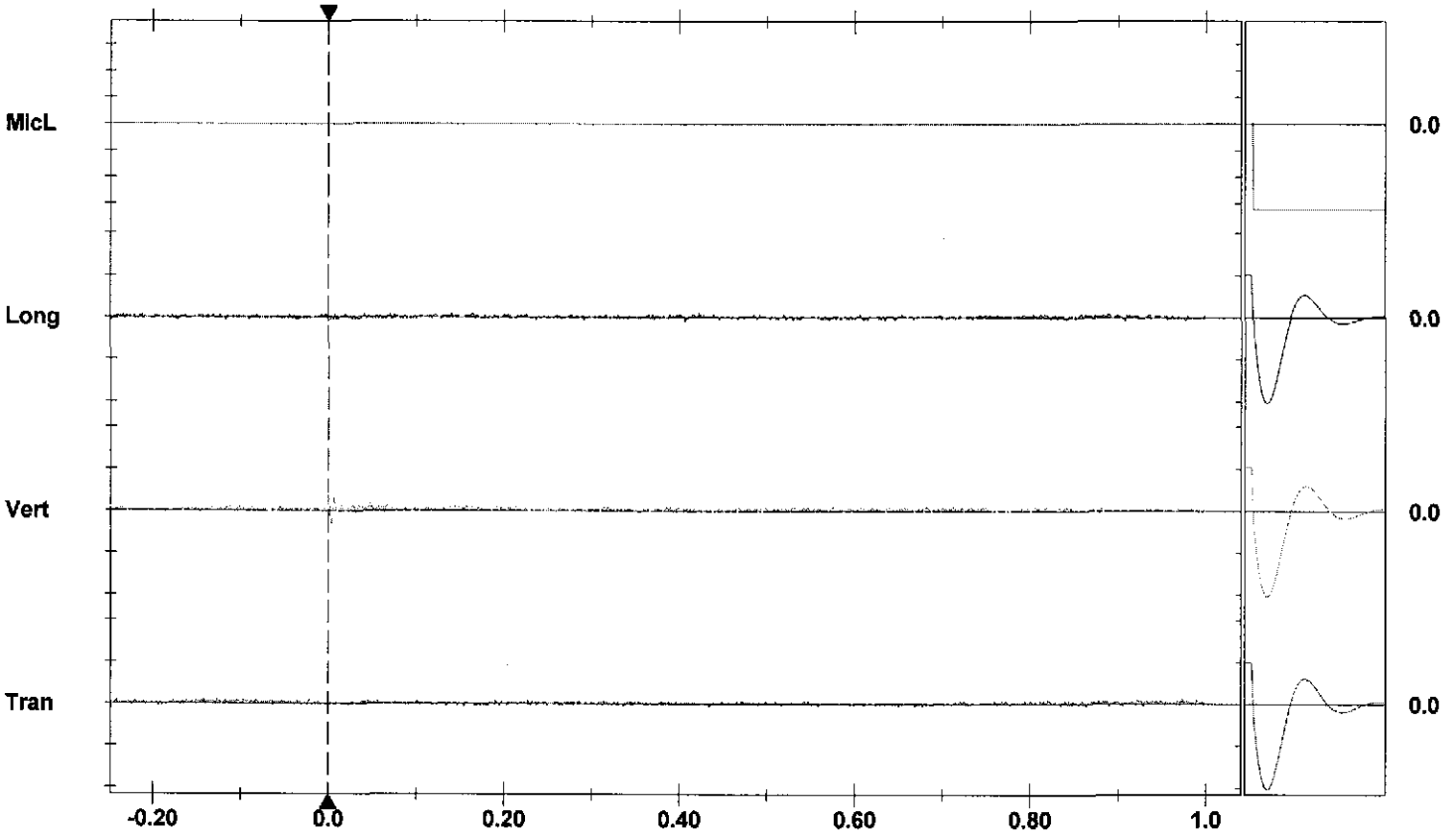
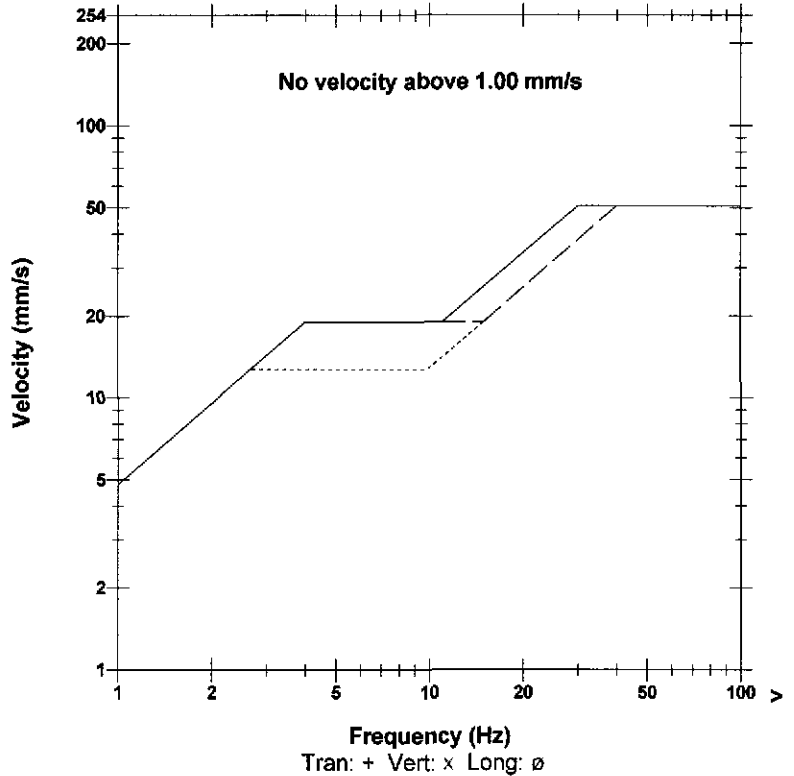
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.243 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.0635	0.206	0.0476	mm/s
PPV	27.1	37.3	24.6	dB
ZC Freq	>100	>100	>100	Hz
Time (Rel. to Trig)	0.974	0.000	0.000	sec
Peak Acceleration	0.00497	0.0166	0.00497	g
Peak Displacement	0.00010	0.00016	0.00008	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.212 mm/s at 0.000 sec
 N/A: Not Applicable

USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div **Amplitude Scale:** Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

Sensor Check

Date/Time Long at 11:55:32 June 12, 2010
Trigger Source Geo: 0.200 mm/s
Range Geo: 31.7 mm/s
Record Time 1.0 sec at 1024 sps

Serial Number BE14183 V 10.06-8.17 MiniMate Plus
Battery Level 5.7 Volts (Battery Very Low)
Unit Calibration December 22, 2009 by Instantel Inc.
File Name P183DA26.GK0

Notes

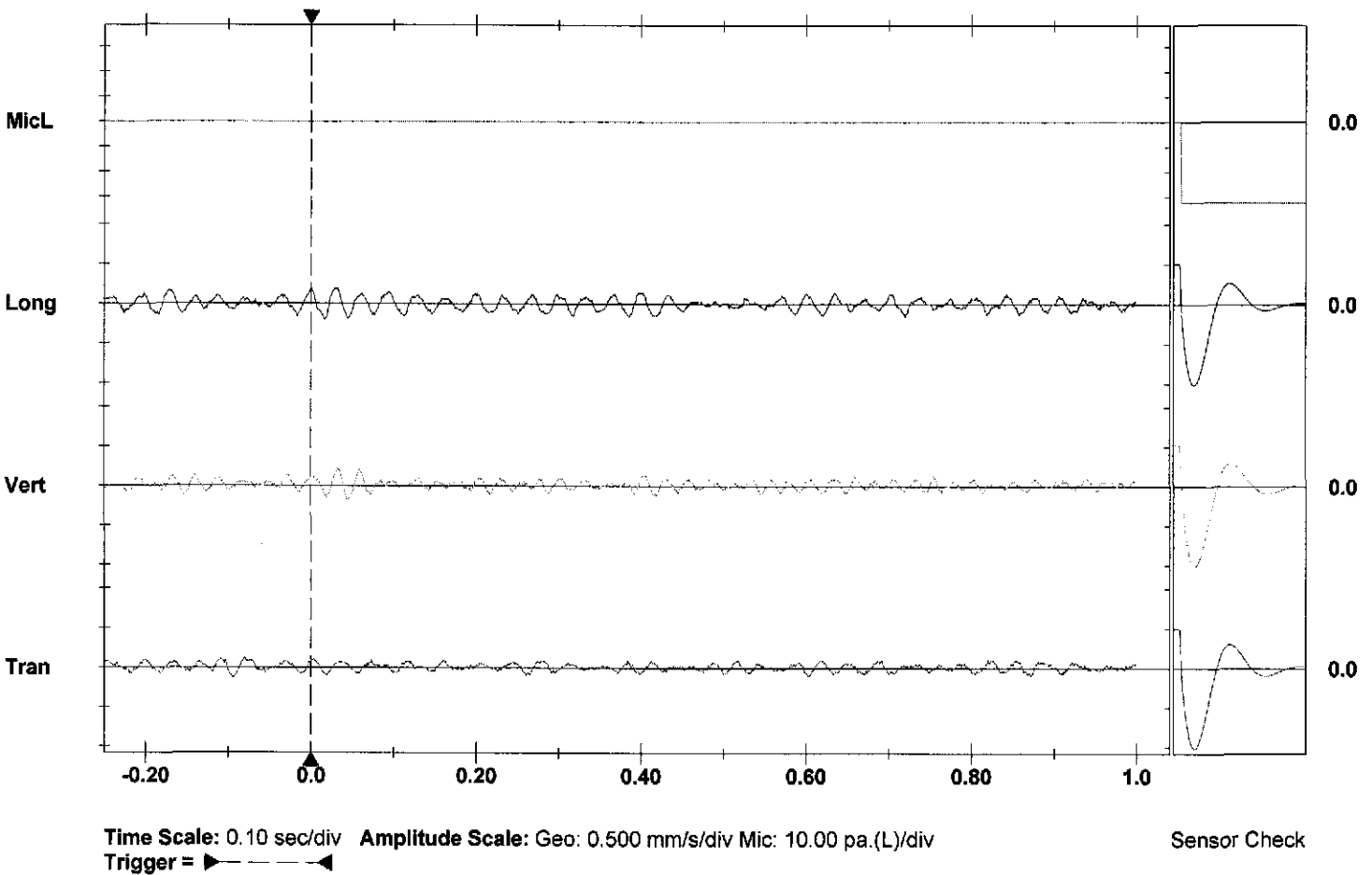
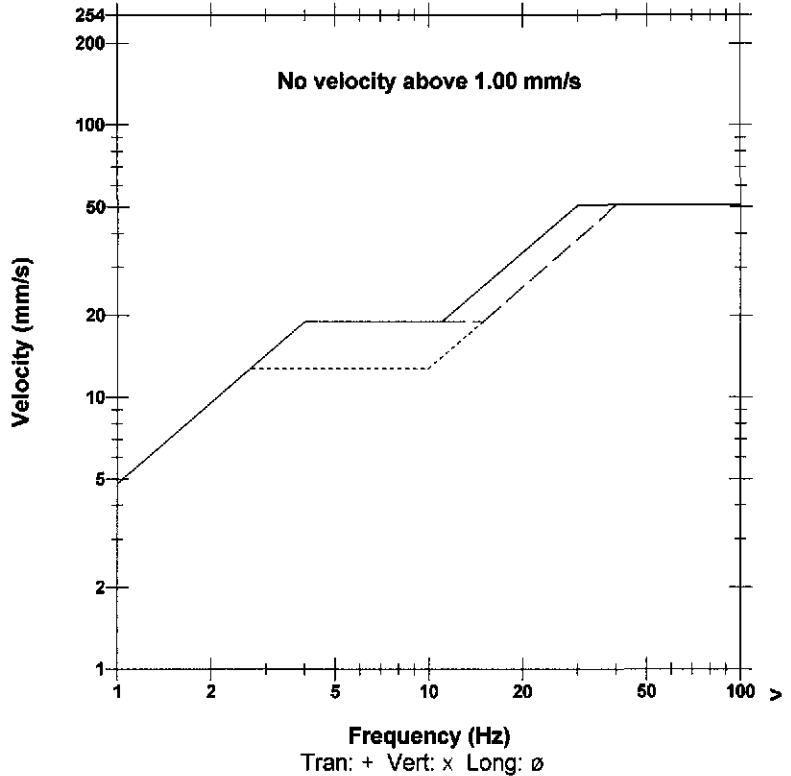
client: VILLE DE MTL
 General: MO26570-G1
 Emplacement: 9701 de la ROCHE EMPL 15
 Utilisateur: MC

Microphone Linear Weighting
PSPL <88 dB(L) <0.500 pa.(L) at -0.228 sec
ZC Freq N/A
Channel Test Check (Freq = 0.0 Hz Amp = 0 mv)

	Tran	Vert	Long	
PPV	0.127	0.222	0.206	mm/s
PPV	33.1	37.9	37.3	dB
ZC Freq	37	34	34	Hz
Time (Rel. to Trig)	-0.096	0.033	0.000	sec
Peak Acceleration	0.00663	0.00663	0.00829	g
Peak Displacement	0.00077	0.00094	0.00101	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.6	7.5	7.5	Hz
Overswing Ratio	3.4	3.4	3.8	

Peak Vector Sum 0.290 mm/s at 0.033 sec
 N/A: Not Applicable

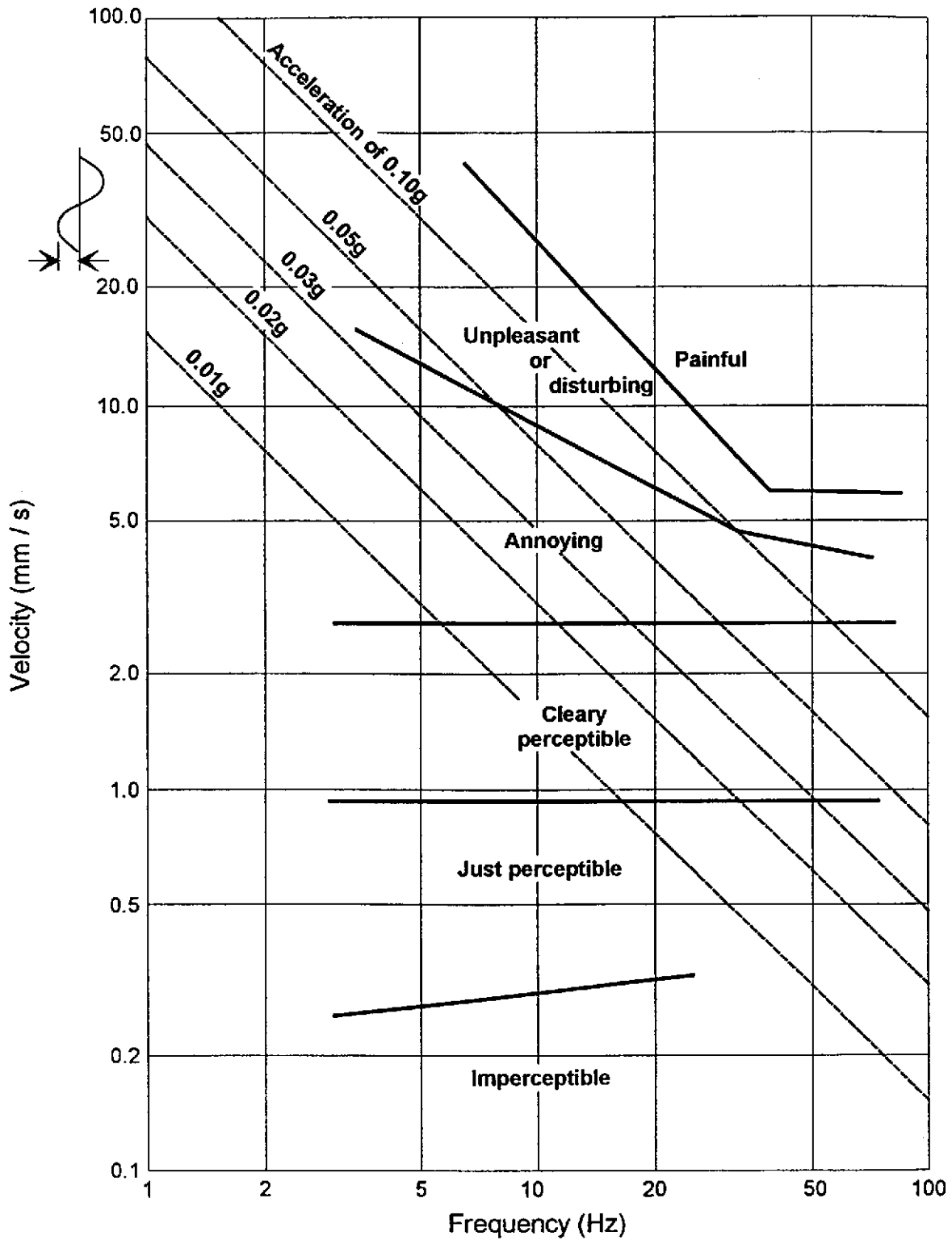
USBM RI8507 And OSMRE



Time Scale: 0.10 sec/div Amplitude Scale: Geo: 0.500 mm/s/div Mic: 10.00 pa.(L)/div
 Trigger =

ANNEXE V

Sensibilité des personnes aux vibrations verticales



" Sensibilité des personnes aux vibrations verticales, selon Reiher et Meister. "

Reproduit de: Whiffin & Leonard, 1971