SGS
Reliability Laboratory

TEST REPORT

iTech Company LLC
41758 Christy Street,
Fremont CA 94538 USA

The following merchandise was submitted and identified by the vendor as:

Product Description:	20.1" Multimedia LCD Monitor
Style/ Item No.:	WMRM920-PIP/ No. 1
Quantity:	Total 1 set
Testing Period:	Jun. 22, 2009

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)

1 . Vibration Test

Test Results： -PLEASE SEE ATTACHED SHEETS-

Terence Hsieh
Manager - Operation

1. Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	121614

Lab Environmental Conditions:

Ambient temperature: 25±3℃

Relative humidity: 55±20%RH

Test Method/ Specification:

Test Method: Reference to MIL-STD-810F, Notice 3, 2003, Method 514.5 Testing Procedures Ⅰ, Category 20-Ground vehicles-ground mobile. Table 514.5C-VII, Figure 514.5C-3 (Composite wheeled vehicle vibration exposures)

Sample Condition: Operating

Wave form: Random

Frequency: 5~500 Hz (Test Spectrums as shown in the following sheets in detail)

Impact acceleration: 1.62 & 2.05 & 2.20 grms

Direction: X, Y, Z axes (See photo 7 ~ 9)

Duration: 1 hour/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power then examine whether the display function of specimen could be work normally or not.
- Place the product on the vibration table in its normal operating orientation and configuration. The Product shall be no fixture to the vibration table such that the vibratory input is transmitted directly to the product. Operating the product during the test. Vibrate the product up the frequency range at a rate of 5 to 500 Hz. At the appropriate level in the table of test condition in each of three orthogonal axes. The test shall last approximately 60 minutes per axis. Equivalent to 1.62 & 2.05 & 2.20 grms. Document the result during the test. The functional and electrical check is required, document the result after the check. Performance check: Running Window XP with stress software BCM diagnostics Pro version 2.30.

Test Method/ Specification--Continued:

Test Spectrums:

Vertical - Z axis		Transverse - X axis		Longitudinal - Y axis	
Frequency (Hz)	PSD (g^2/Hz)	Frequency (Hz)	PSD (g^2/Hz)	Frequency (Hz)	PSD (g^2/Hz)
5	0.2366	5	0.1344	5	0.0593
8	0.6889	7	0.1075	8	0.0499
12	0.0507	8	0.1279	15	0.0255
21	0.0202	14	0.0366	16	0.0344
23	0.0301	16	0.0485	20	0.0134
24	0.0109	17	0.0326	23	0.0608
26	0.0150	19	0.0836	25	0.0148
49	0.0038	23	0.0147	37	0.0040
51	0.0054	116	0.0008	41	0.0059
61	0.0023	145	0.0013	49	0.0016
69	0.0111	164	0.0009	63	0.0011
74	0.0029	201	0.0009	69	0.0040
78	0.0048	270	0.0051	78	0.0008
84	0.0033	298	0.0021	94	0.0020
90	0.0052	364	0.0099	98	0.0013
93	0.0034	375	0.0019	101	0.0025
123	0.0083	394	0.0073	104	0.0014
160	0.0041	418	0.0027	111	0.0024
207	0.0055	500	0.0016	114	0.0014
224	0.0139	⇨ equivalent to 1.62 G_{rms}		117	0.0020
245	0.0031			121	0.0012
276	0.0129			139	0.0024
287	0.0036			155	0.0021
353	0.0027			161	0.0034
375	0.0049			205	0.0042
500	0.0010			247	0.0303
⇨ equivalent to 2.20 G_{rms}				257	0.0027
				293	0.0092
				330	0.0116
				353	0.0231
				379	0.0083
				427	0.0220
				500	0.0014
				⇨ equivalent to 2.05 G_{rms}	

TEST REPORT

Specimen:

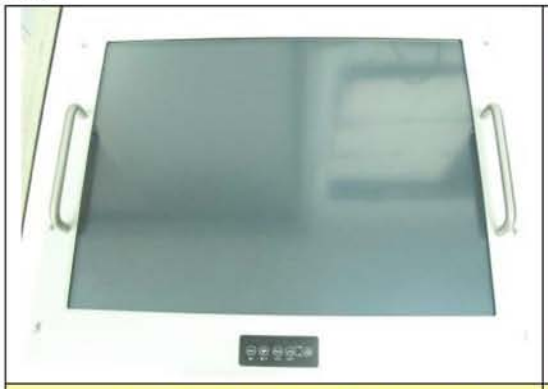
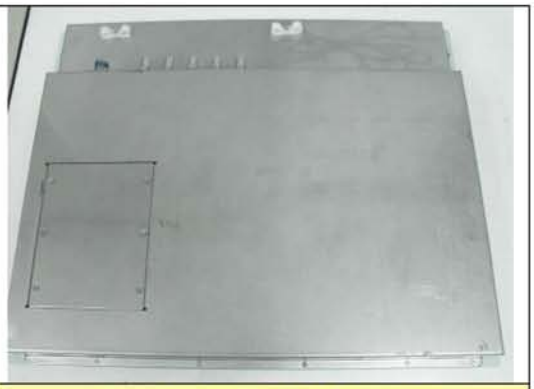
Style/ Item No.: WMRM920-PIP/ No. 1

Quantity: total 1 set

Test Result:

Check Item / Style/Item No.	Appearance check (Visual check)	Functional Check & Performance Check
WMRM920-PIP/ No. 1	No visible damage	Normal

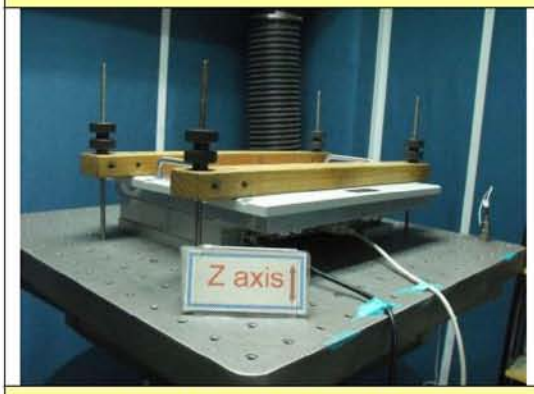
Test Photos:

	
1. Appearance of specimen (WMRM920-PIP)	2. Appearance of specimen (WMRM920-PIP)
	
3. Appearance of specimen (WMRM920-PIP)	4. Appearance of specimen (WMRM920-PIP)
	
5. Appearance of specimen (WMRM920-PIP)	6. Appearance of specimen (WMRM920-PIP)

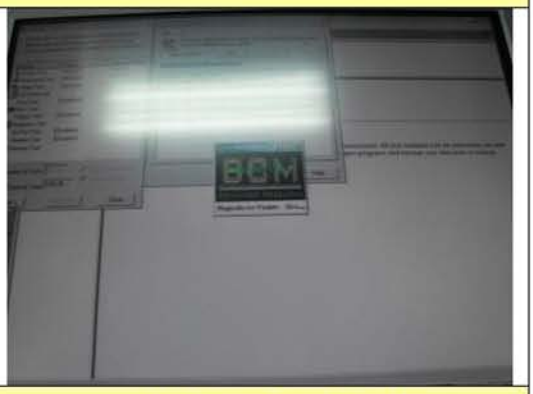
Test Photos--Continued:

7. Vibration Test: X axis

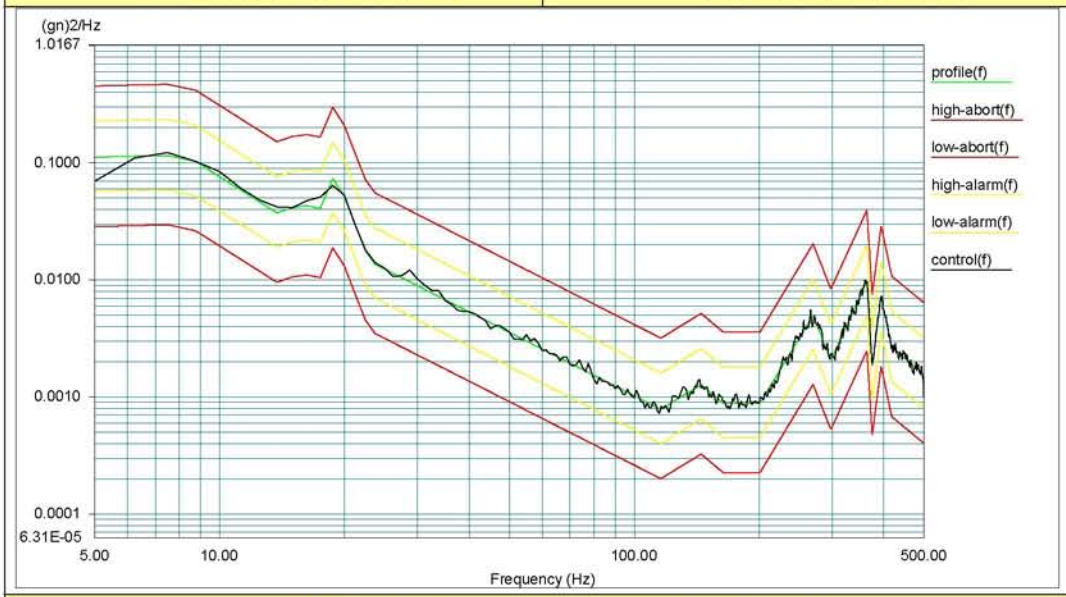
8. Vibration Test: Y axis



9. Vibration Test: Z axis

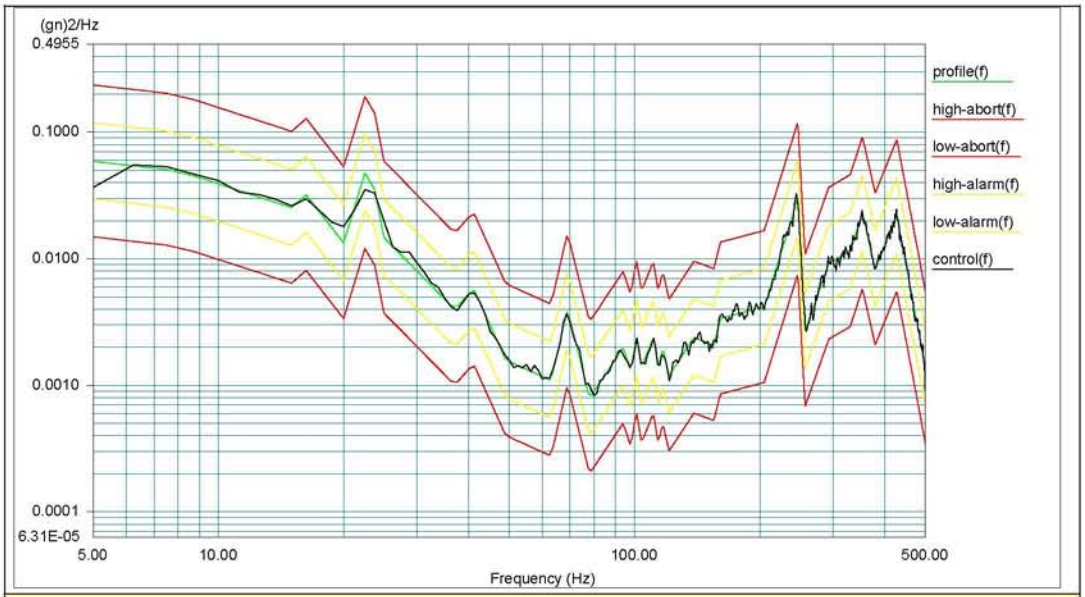


10. Functional check

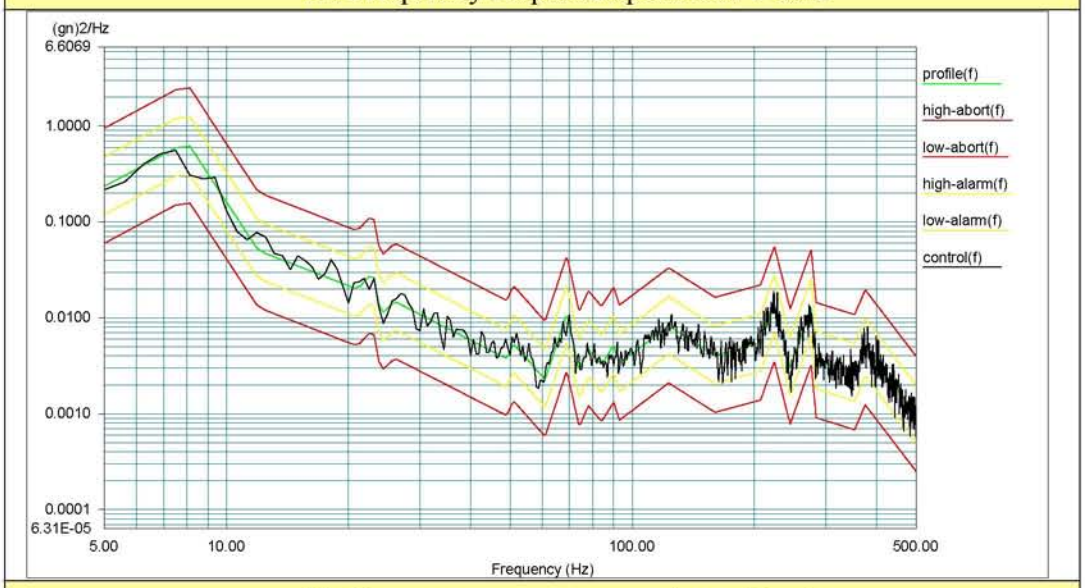


11. Frequency response spectrum: X axis

Test Photos--Continued:



12. Frequency response spectrum: Y axis



13. Frequency response spectrum: Z axis

— — —**The End of Test Report** — — —