

TESTING / INSPECTION REPORT

REPORT NO : VT-110614-1

COMPANY : AAEON Technology Inc.
ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.
Hsin-Tien City, Taipei, Taiwan, R. O. C.
TEL : 886-2-8919-1234
FAX : 886-2-8919-1049
SPECIMEN : AEV-6312
DATE OF RECEIVED : 2011/06/14
DATE OF TESTED : 2011/06/14

TEST / INSPECTION ITEMS : Vibration Test

REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 8 pages, and no part of it may be abstracted or reproduced.

Test Engineer : <i>Yi Hsin Lai</i>	
Approval Signatory : <i>David Lee</i>	Laboratory Head : <i>Hsin Tai Chang</i>



TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

- | | |
|-------------------------|---|
| 1.Vibration Tester | : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054986 |
| 2.Controller | : DACTRON LASER USB Box, S/N:12448370 |
| 3.Control Accelerometer | : Wilcoxon Research WR-777, S/N:4207 |
| 4.Vibration Tester | : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783 |
| 5.Controller | : DACTRON COMET USB, S/N:9478158 |
| 6.Control Accelerometer | : WILCOXON RESEARCH, Model:784A, S/N:23116 |

TEST ENVIRONMENT :

- | | |
|-------------------|---------------------|
| Temperature | : 24.5°C (25±10°C) |
| Relative Humidity | : 67%RH (50±25% RH) |

SPECIMEN :

- | | |
|----------|------------|
| Model | : AEV-6312 |
| Quantity | : 1 Unit |

TESTING / INSPECTION REPORT

TEST SPECIFICATION :

Reference to MIL-STD 810F 514.5 C1

Random vibration test

Frequency : 10 Hz to 500 Hz
 Acceleration : 0.74 g rms for Longitudinal
 : 0.204 g rms for Transverse
 : 1.04 g rms for Vertical

P.S.D. :

Vertical		Transverse		Longitudinal	
Hz	g ² /Hz	Hz	g ² /Hz	Hz	g ² /Hz
10	0.015	10	0.00013	10	0.0065
40	0.015	20	0.00065	20	0.0065
500	0.00015	30	0.00065	120	0.0002
1.04 g rms		78	0.00002	121	0.003
		79	0.00019	200	0.003
		120	0.00019	240	0.0015
		500	0.00001	340	0.00003
		0.204 g rms		500	0.00015

Test Axis : X, Y, Z axis
 Test Time : 1 hr (Each axis)
 Total Test Time : 3 hrs

TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment ⁽¹⁾	√	---	---
Appearance check ⁽²⁾	√	---	---

(1)—Booting function was normal after the test.

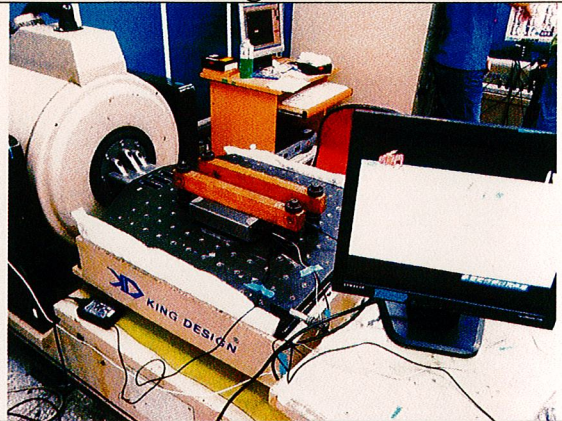
(2)—No visible damages were found.

TESTING / INSPECTION REPORT

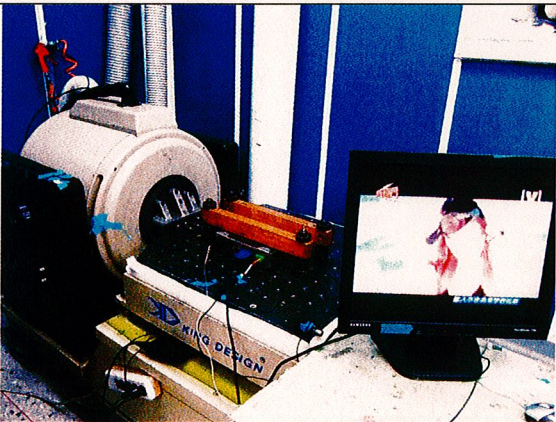
Testing photos (AEV-6312)



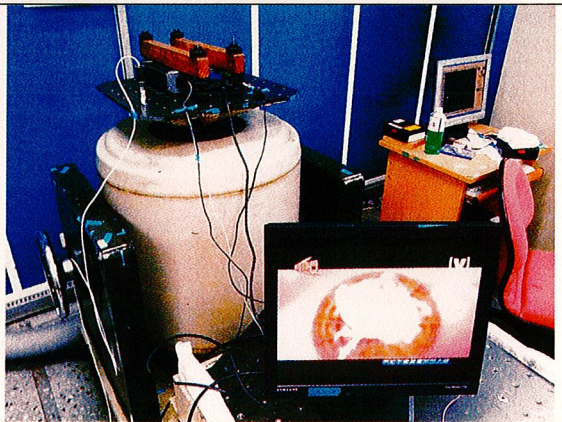
Longitudinal



Transverse



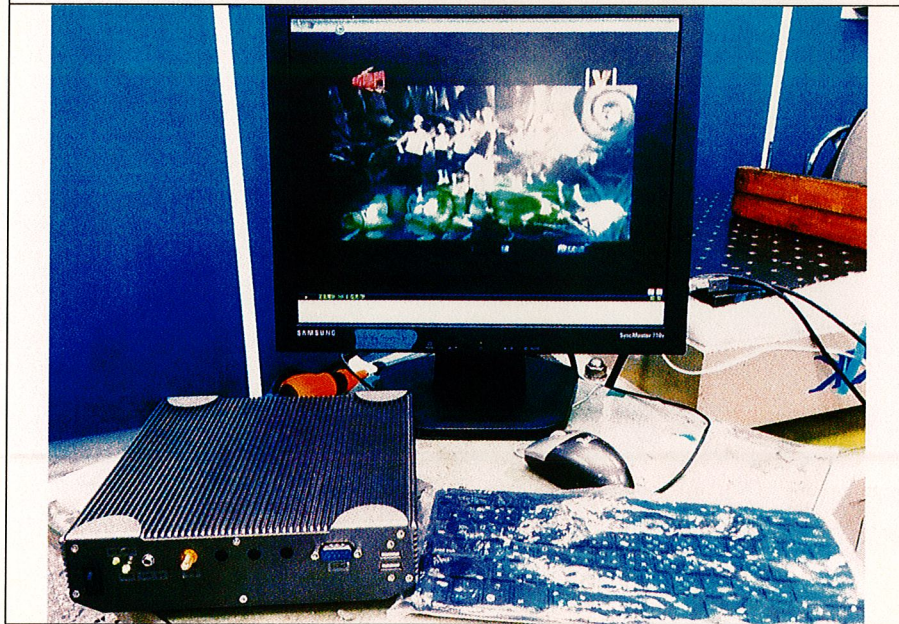
Vertical



TESTING / INSPECTION REPORT

Testing photos (AEV-6312)

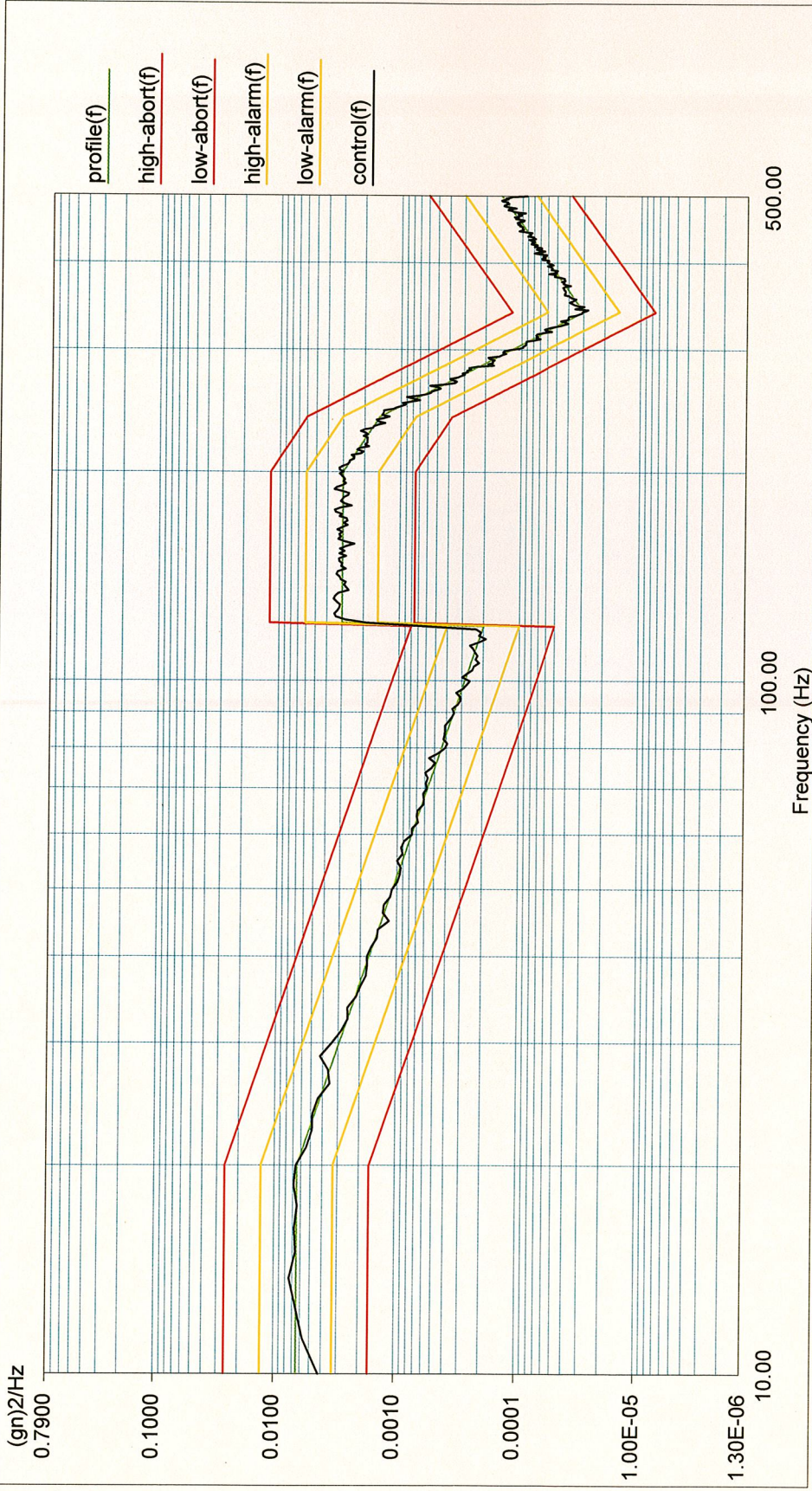
After test



Longitudinal

Project File Name: MIL-STD 810F C-1 Longitudinal.prj

Profile Name: Default Test Type: Random Run Folder: .\RunFolder Jun 14, 2011 10:46:22



Level: 100 %

Control RMS: 0.747002 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

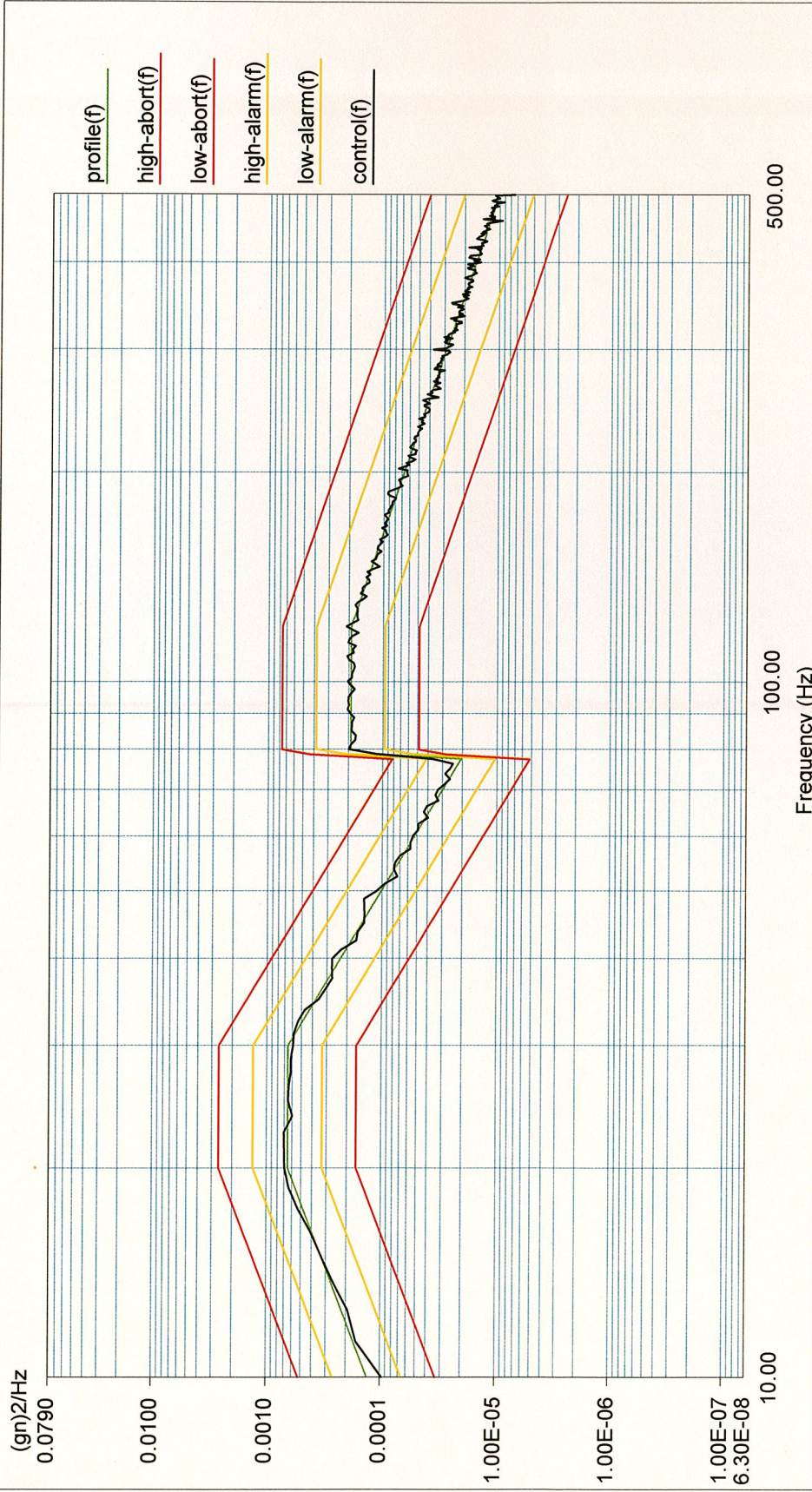
Demand RMS: 0.741881 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 11:47:27 AM, Tuesday, June 14, 2011 Report created at 11:54:00 AM, Tuesday, June 14, 2011

Transverse

Project File Name: MIL-STD 810F C-1 Transverse.prj

Profile Name: Test Type: Random Run Folder: .\RunFolder Jun 14, 2011 14:50:02



Level: 100 %

Control RMS: 0.204443 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 0.203466 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

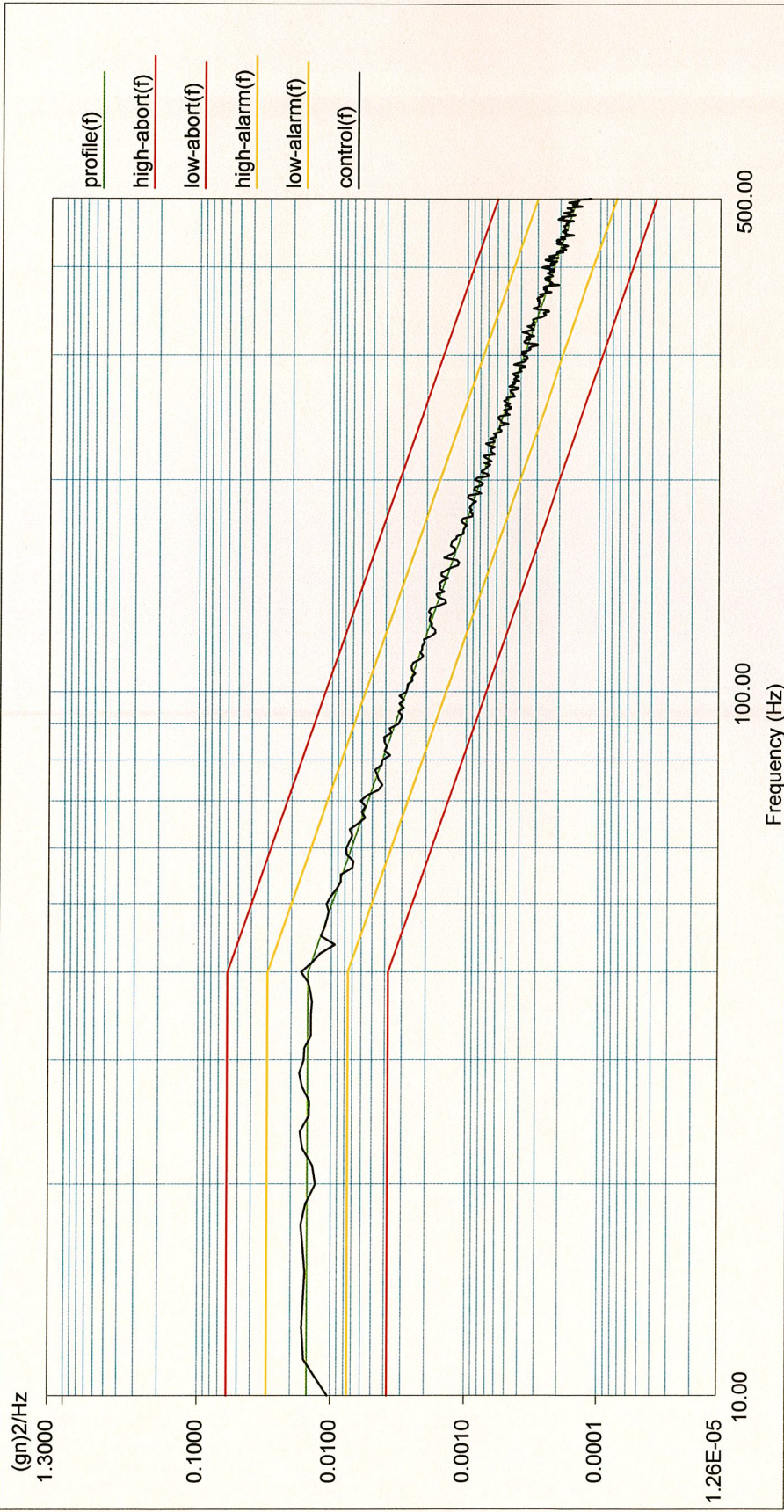
Data saved at 03:50:24 PM, Tuesday, June 14, 2011 Report created at 03:50:25 PM, Tuesday, June 14, 2011



Vertical

Project File Name: MIL-STD 810F C-1 Vertical.pri

Profile Name: Default Test Type: Random Run Folder: .\RunFolder Jun 14, 2011 13:12:09



Level: 100 %

Control RMS: 1.051606 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds

Demand RMS: 1.044836 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 02:13:14 PM, Tuesday, June 14, 2011 Report created at 02:14:33 PM, Tuesday, June 14, 2011

-END-