

# AMB-232A

## Random vibration Test Report

Report NO. : 03P030013

Issued by:	/	2003/03/06
<hr/> Terry Huang Mechanical Engineer		<hr/> Date
Reviewed by:	/	2003/03/06
<hr/> Johnny Cheng Mechanical Manager		<hr/> Date

**Test Date:** 02-26-2003

**Test Product:** AMB-232A

**Test Site:** AAEON QA Internal Lab.

**Performed By :** Art Liao

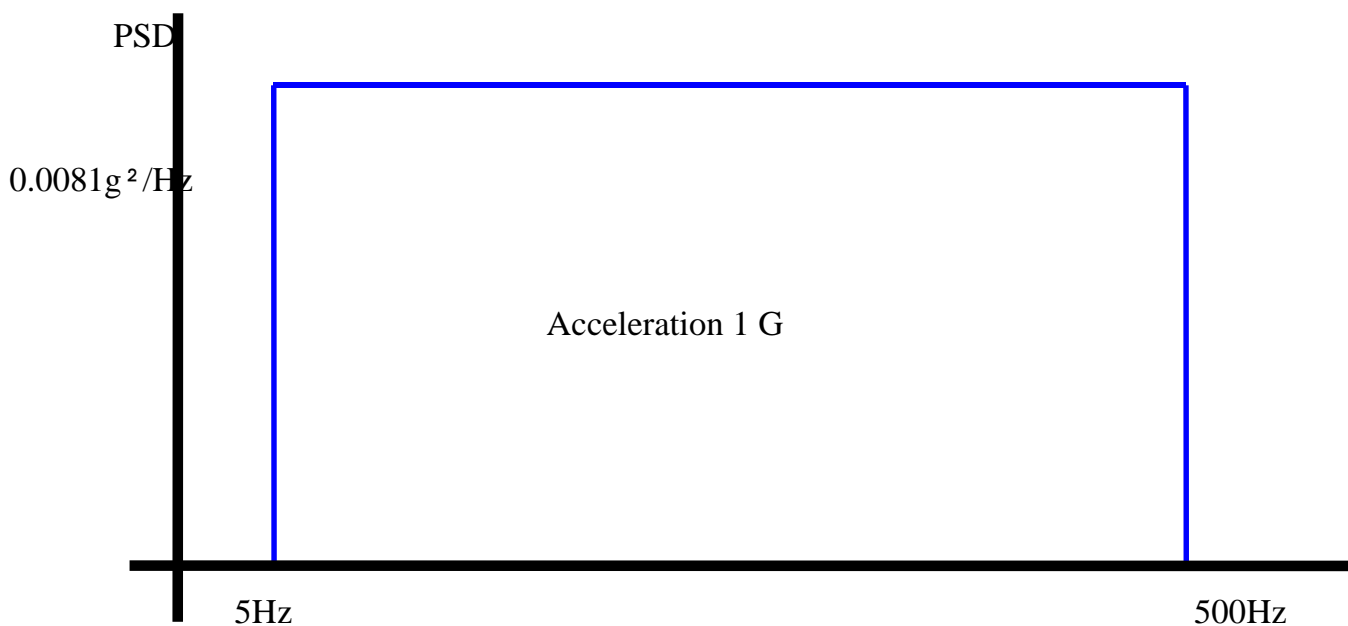
**Test Standard :** Reference IEC68-2-64 Testing procedures  
Test Fh : Vibration boardband random test

**Test Equipment:**

Vibration Simulator System  
KING DESIGN Co. LTD.  
Model : KD 9363-EM-600F2K-40N20  
Serial Number : UU110099090  
Date of Calibration : 10/29/2001

**Test Condition :**

1. Operation
2. Test Acceleration : 1G
3. Test Frequency : 5-500Hz
4. Test Axis : X ,Y,Z axes
5. Test Time : 1 hour each axis
6. Test Software : Running Speedy program for video test
7. Test Vibration Curve :



**Sample Configuration & Quantity Under Test :**

Using one AMB-232A Industrial display panel .

1. CPU :
2. Memory :
3. HDD :

**Performance Criteria :**

Electronic function check:

LCD panel functions must be checked with appropriate testing programs and should pass the inspection.

Mechanical function check:

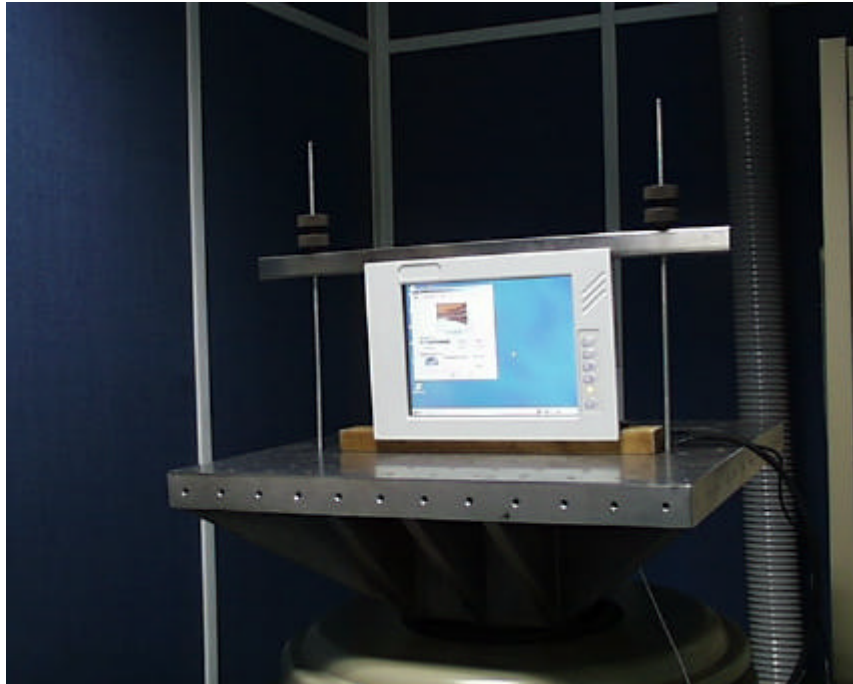
The switch button , cover, and slot should work properly without any interference.

**Test Result :**

**Passed.**

The AMB-232A Industrial Display panel meets Vibration random 1G operation test.

Photo I:



**AMB-232A operation random vibration test for Z-axis**

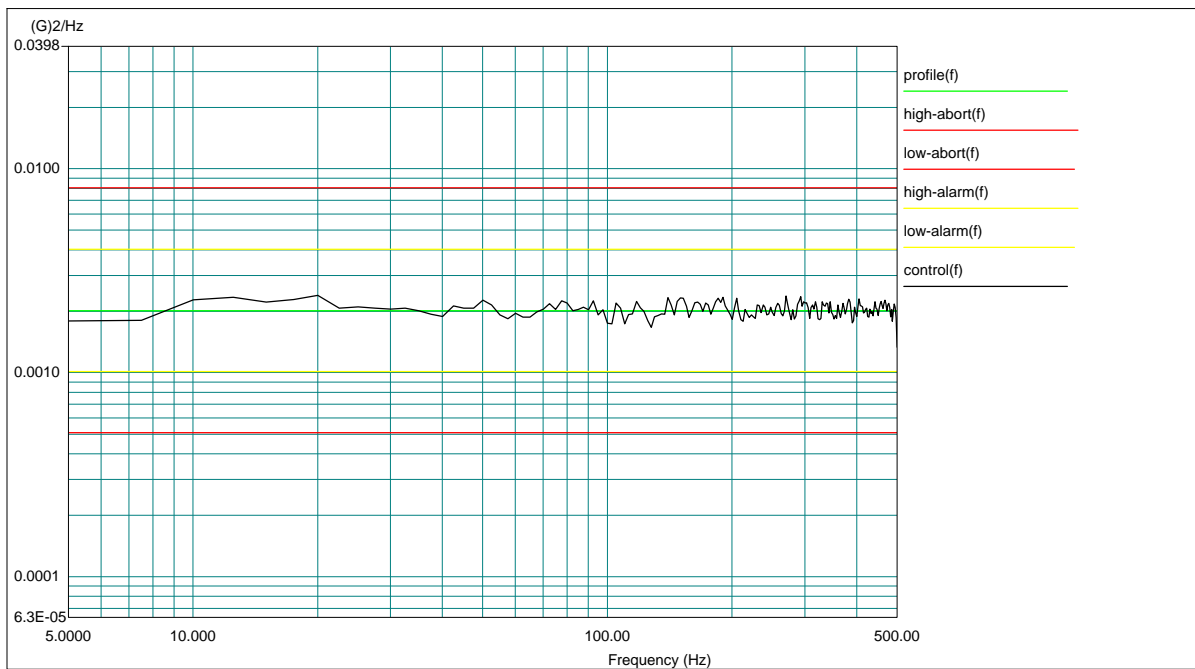
Project File Name: 1G.prj

Profile Name: Nav-Mat

Test Type: Random

Run Folder: .\Run Feb 26,2003 13-43-25

Level:



100 %

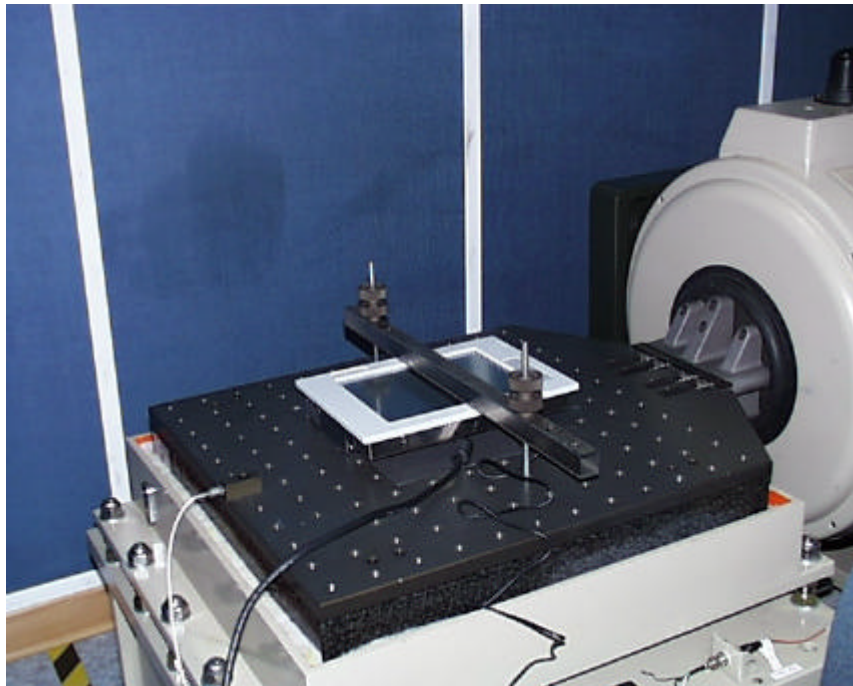
Control RMS: 1.008918 G Full Level Elapsed Time: 00:40:29

Lines: 225 Frame Time: 0.400000 Seconds

Demand RMS: 1.001343 G Remaining Time: 00:19:28

DOF: 154 dF: 2.500000 Hz

**Photo I:**



**AMB-232A operation random vibration test for Y-axis**

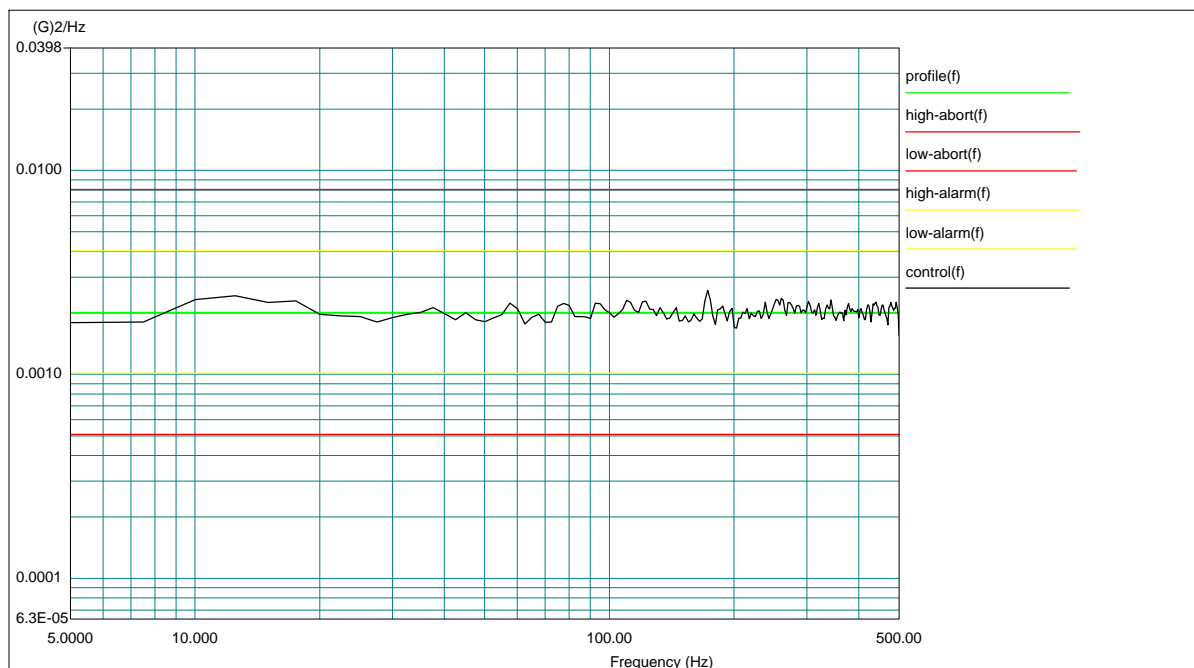
Project File Name: 1G.prj

Profile Name: Nav-Mat

Test Type: Random

Run Folder: .\Run Feb 26,2003 10-35-20

Level:



100 %

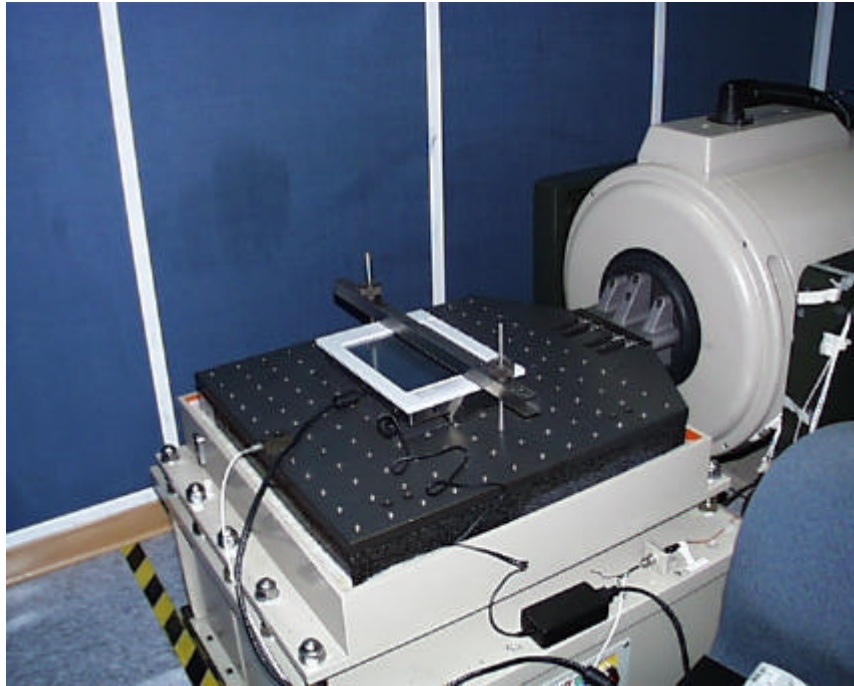
Control RMS: 1.007532 G Full Level Elapsed Time: 00:41:00

Lines: 225 Frame Time: 0.400000 Seconds

Demand RMS: 1.001343 G Remaining Time: 00:18:59

DOF: 154 dF: 2.500000 Hz

Photo I:



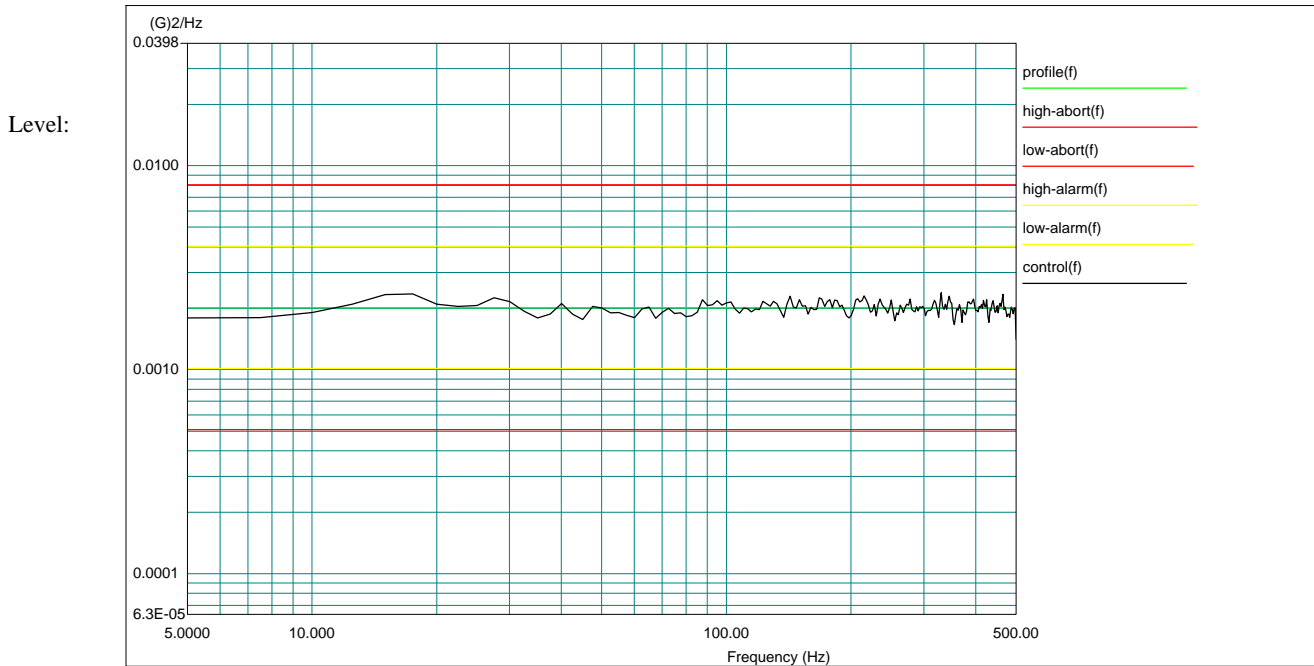
**AMB-232A operation random vibration test for X-axis**

Project File Name: 1G.prj

Profile Name: Nav-Mat

Test Type: Random

Run Folder: .\Run Feb 26,2003 11-21-49



100 %

Control RMS: 1.000740 G Full Level Elapsed Time: 00:37:23

Lines: 225 Frame Time: 0.400000 Seconds

Demand RMS: 1.001343 G Remaining Time: 00:22:34

DOF: 154 dF: 2.500000 Hz