

# OPD-215A

## Vibration Test Report

Report NO :

Issued by: Terry Huang / JAN/24/2003  
Me Engineer

Reviewed by: Jonny Cheng / JAN/24/2003  
Me Manger

**Test Date:** 11-20-2002

**Test Product:** 15" Open Display Monitors

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

**Performed By :** Terry Huang

**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

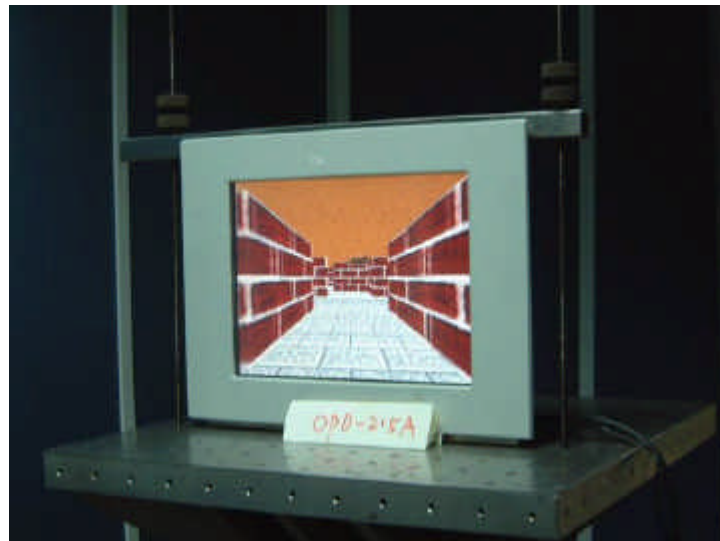
Date of Calibration : 10/29/2001

**Test Condition :**

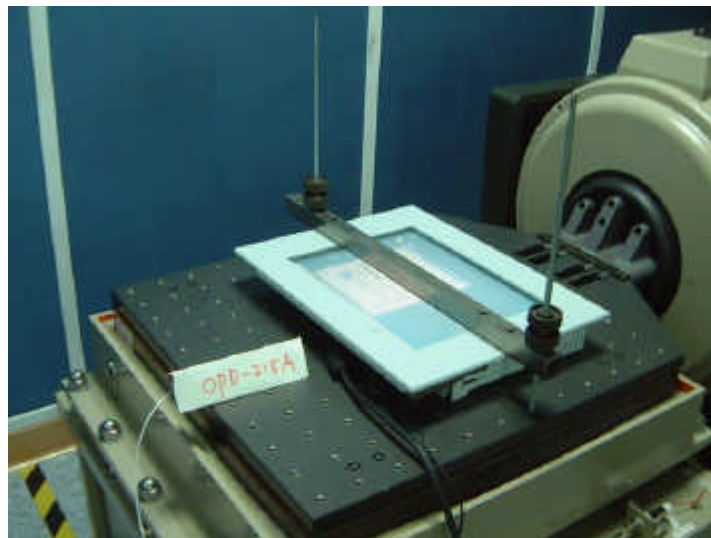
1. Operation
2. Test Acceleration : 1G Random
3. Test Frequency : 5-500Hz
4. Test Axis : X ,Y,Z axes
5. Test Time : 40min each axis
6. Test Software : Running Speedy program for video test
7. Test Vibration Curve :

Testing Photos :

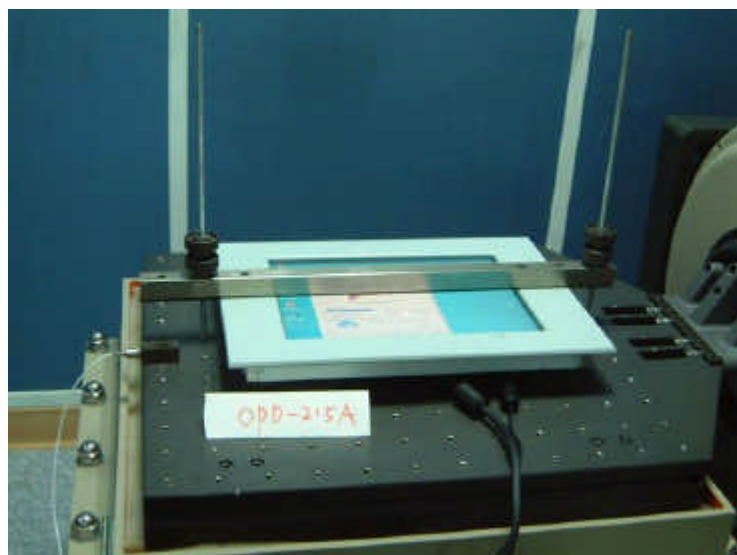
X -Axis



Y-Axis



Z-Axis

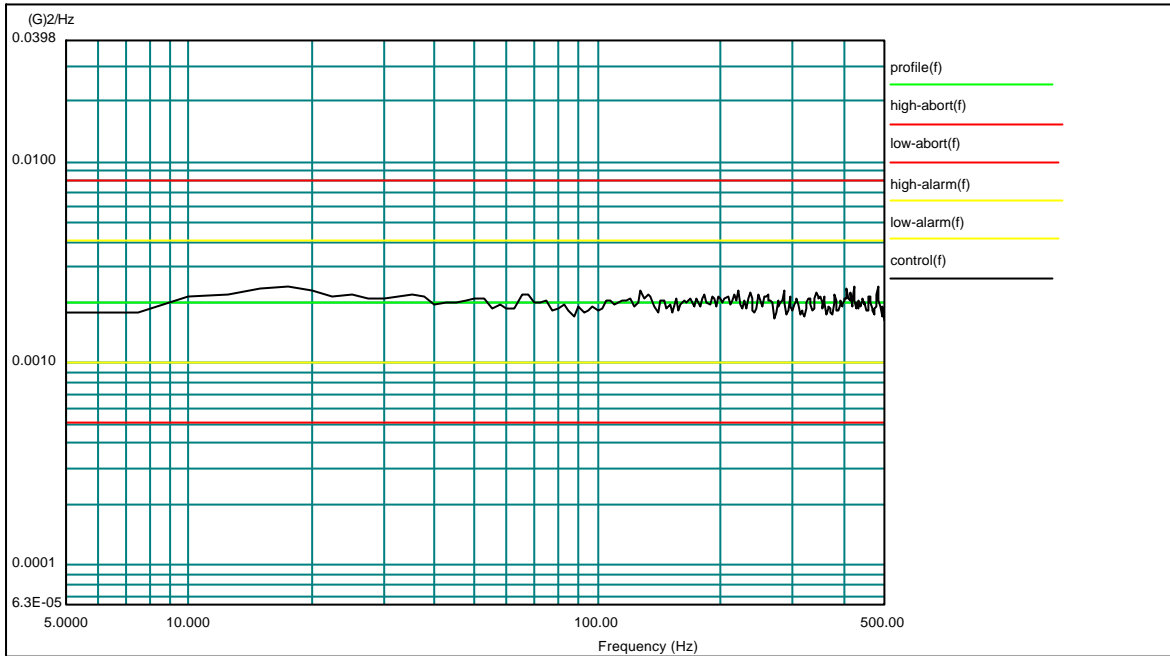


X-Ajis

Profile Name: Nav-Mat

Test Type: Random

Run Folder: \Run Jan 24,2003 13-17-28



Dactron Shaker Control - Random.1G.prj

Project Test Setup Profile Test Controls Report Window Pane Cursor Help

Channel Status

1G.prj:Composite

(G)2/Hz profile(f) high-abort(f) low-abort(f) high-alarm(f) low-alarm(f) control(f)

Control RMS Demand RMS  
0 (G) 0

Level 0 (%)  
Drive 0.0000 (Volts)

Full Level Elapsed 01:00:00  
Total Elapsed 01:00:16  
Total Remaining 00:00:00

Auto. Abort Checks ON OFF  
Closed Loop Control OFF  
Schedule Clock Timer OFF

0.000 (mm) P-P 0.000 (mm/s) Pk

Activity End of test

RANDOM

Start Stop Pause Continue

1G.prj:Channel Status

1.00  
0.10  
0.01  
0V  
-0.01  
-0.10  
-1.00

Max= 5.81mV  
Min= 5.06mV  
RMS= 5.47mV  
Peak= 5.81mV  
Sig. Small

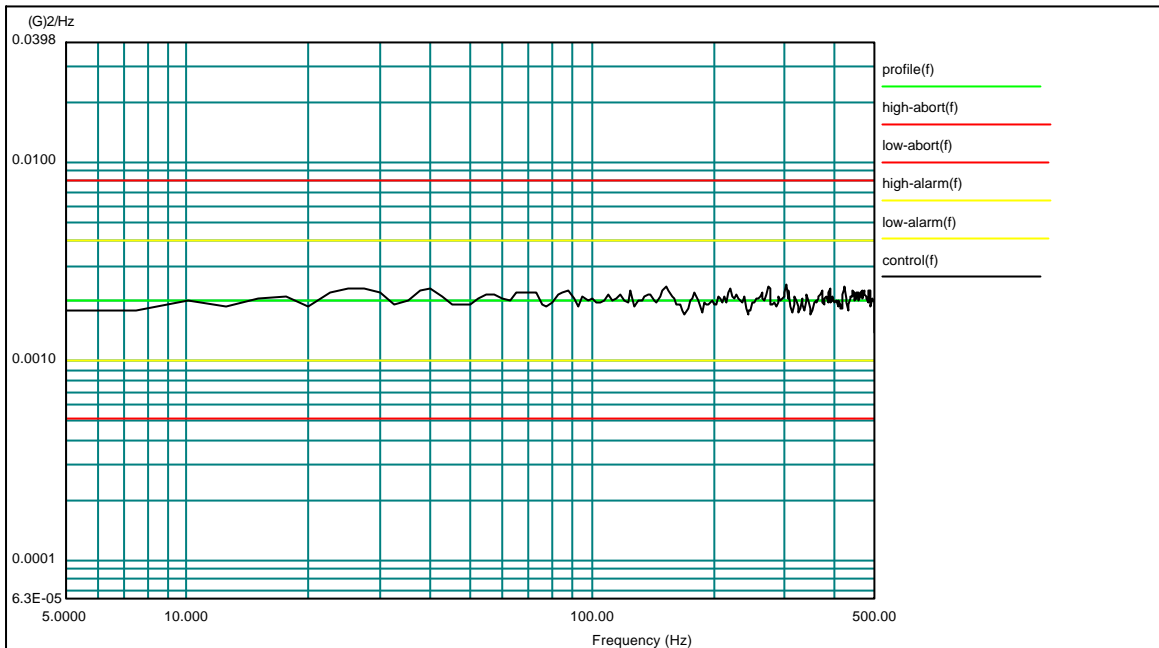
Ready Run Folder: \Run Jan 24,2003 13-17-28 Profile: Nav-Mat

Y-Axis

Profile Name: Nav-Mat

Test Type: Random

Run Folder: \Run Jan 24,2003 14-27-52



The screenshot shows the 'Dactron Shaker Control - Random.1G.prj' software interface. The main window displays the same frequency response plot as seen in the previous figure. On the right side, there is a control panel with the following settings:

- Control RMS: 0 (G)
- Demand RMS: 0 (G)
- Level: 0 (%)
- Drive: 0.0000 (Volts)
- Full Level Elapsed: 00:31:13
- Total Elapsed: 00:31:31
- Total Remaining: 00:28:44
- Auto. Abort Checks: ON
- Closed Loop Control: OFF
- Schedule Clock Timer: OFF
- 0.000 (mm) P-P, 0.000 (mm/s) Pk
- Activity: Test aborted
- Abort: User stopped
- Buttons: Start, Stop, Pause, Continue

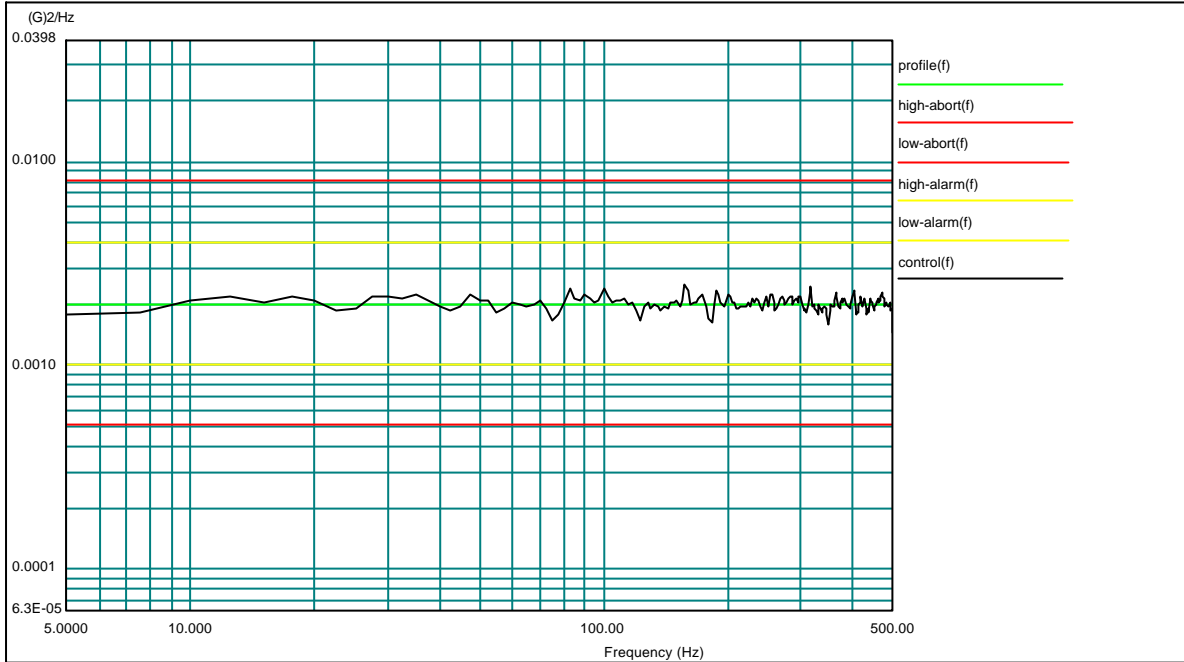
At the bottom, a 'Channel Status' window shows a bar graph for channel 1 with the following statistics:

- Max: 6.12mV
- Min: -5.34mV
- RMS: 5.78mV
- Peak: 6.12mV
- Sig. Small

The status bar at the bottom of the software window indicates 'Ready', 'Run Folder: \Run Jan 24,2003 14-27-52', and 'Profile: Nav-Mat'.

Z-Ajis

Profile Name: Nav-Mat Test Type: Random Run Folder: \Run Jan 24,2003 10-42-00



Dactron Shaker Control - Random.1G.prj

Project Test Setup Profile Test Controls Report Window Pane Cursor Help

Channel Status

1G.prj:Composite

(G)2/Hz profile(f) high-abort(f) low-abort(f) high-alarm(f) low-alarm(f) control(f)

Control RMS: 0.00428 (G) Demand RMS: 0.00120

Level: 0 (%) Drive: 0.0000 (Volts)

Full Level Elapsed: 00:30:06  
Total Elapsed: 00:30:22  
Total Remaining: 00:29:52

Auto. Abort Checks: ON OFF  
Closed Loop Control: OFF OFF  
Schedule Clock Timer: OFF OFF

0.000 (mm) P-P 0.000 (mm/s) Pk

Activity: Ramping down...

Abort: User stopped

Start Stop Pause Continue

1G.prj:Channel Status

1.00  
0.10  
0.01  
0V  
-0.10  
-1.00

Max= 6.32mV  
Min= -5.13mV  
RMS= 5.71mV  
Peak= 6.32mV  
Sig. Small

Ready Run Folder: \Run Jan 24,2003 10-42-00 Profile: Nav-Mat