



# APD-7211

## Vibration Test Report

Report NO : 0.0

Issued by:

\_\_\_\_\_  
*Edward 代*  
PM

/

*04/22/2004*

\_\_\_\_\_  
Date

Reviewed by:

\_\_\_\_\_  
*TonyLiang*  
Mechanical Supervisor

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*04/22/2004*

\_\_\_\_\_  
Date

**Test Date:** 04-22-2004

**Test Site:** AAEON R&D Internal Lab.

**Performed By:** TonyL

**Test Product:** APD-7211,21.3" Panel LCD.

**Test Standard:**

NO.	Description
IEC68-2-6	Testing procedures Test Fc : Vibration Sinusoidal Test

**Test Equipment**

Type	MFR	Model Number	Serial Number	Last CAL.
Vibration tester	King Design	KD 9363-EM-600F2K-40N20	UU110099090	10/29/01

**Test Condition :**

1. Operation
2. Test Acceleration : 1G
3. Peak amplitude : 0.4 mm
4. Test Frequency : 5-500Hz
  - Starting frequency : 5 Hz
  - Stopping frequency : 500 Hz
5. Test Velocity :1 Octave / min
6. Test Axis :X,Y,Z three axis
7. Endurance per sweep : 50 min

**Additional Test Peripheral:**

Configuration	Model
Test O.S.	Win 2000
Test Software	Windows Screen Saver
Test Fixture (For Test Software)	Temperature Recorder Fixture

**Sample Configuration & Quantity Under Test:**

Quantity: 1

Test Result: **OK**

The APD-7211 21.3" Panel LCD meets Random vibration operation test

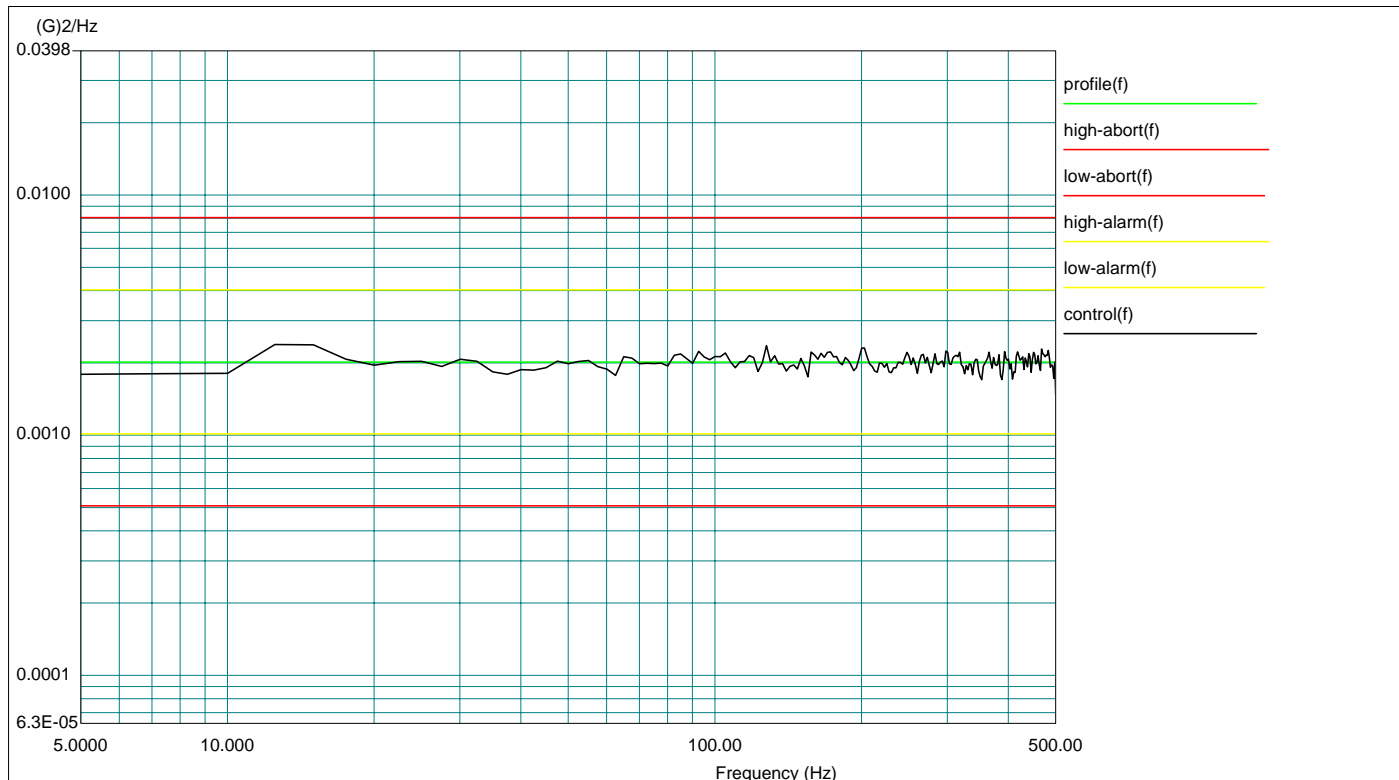
**Photo 1 :**



**APD-7211 operation random vibration test for X-axis**

Project File Name: APD-7211-X AXIS,1G.prj

Profile Name: Nav-Mat Test Type: Random Run Folder: .\Run Apr 22,2004 14-05-45



Dactron Shaker Control - [1G.prj:Composite]

Project Test Setup Profile Test Controls Report Window Pane Cursor Help

Composite

Control RMS Demand RMS  
0 (G) 0

Level 0 (%)  
Drive 0.0000 (Volts)

Full Level Elapsed 01:00:00  
Total Elapsed 01:00:14  
Total Remaining 00:00:00

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

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

Activity End of test

RANDOM

Start Stop Pause Continue

Ready Run Folder: .\Run Apr 22,2004 14-05-45 Profile: Nav-Mat

Data saved at 03:06:58 PM, Thursday, April 22, 2004  
Report created at 03:07:11 PM, Thursday, April 22, 2004

Level: 100 %

Control RMS: 1.001871 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

Demand RMS: 1.001343 G Remaining Time: 00:00:00 DOF: 154 dF: 2.500000 Hz

Data saved at 03:06:58 PM, Thursday, April 22, 2004

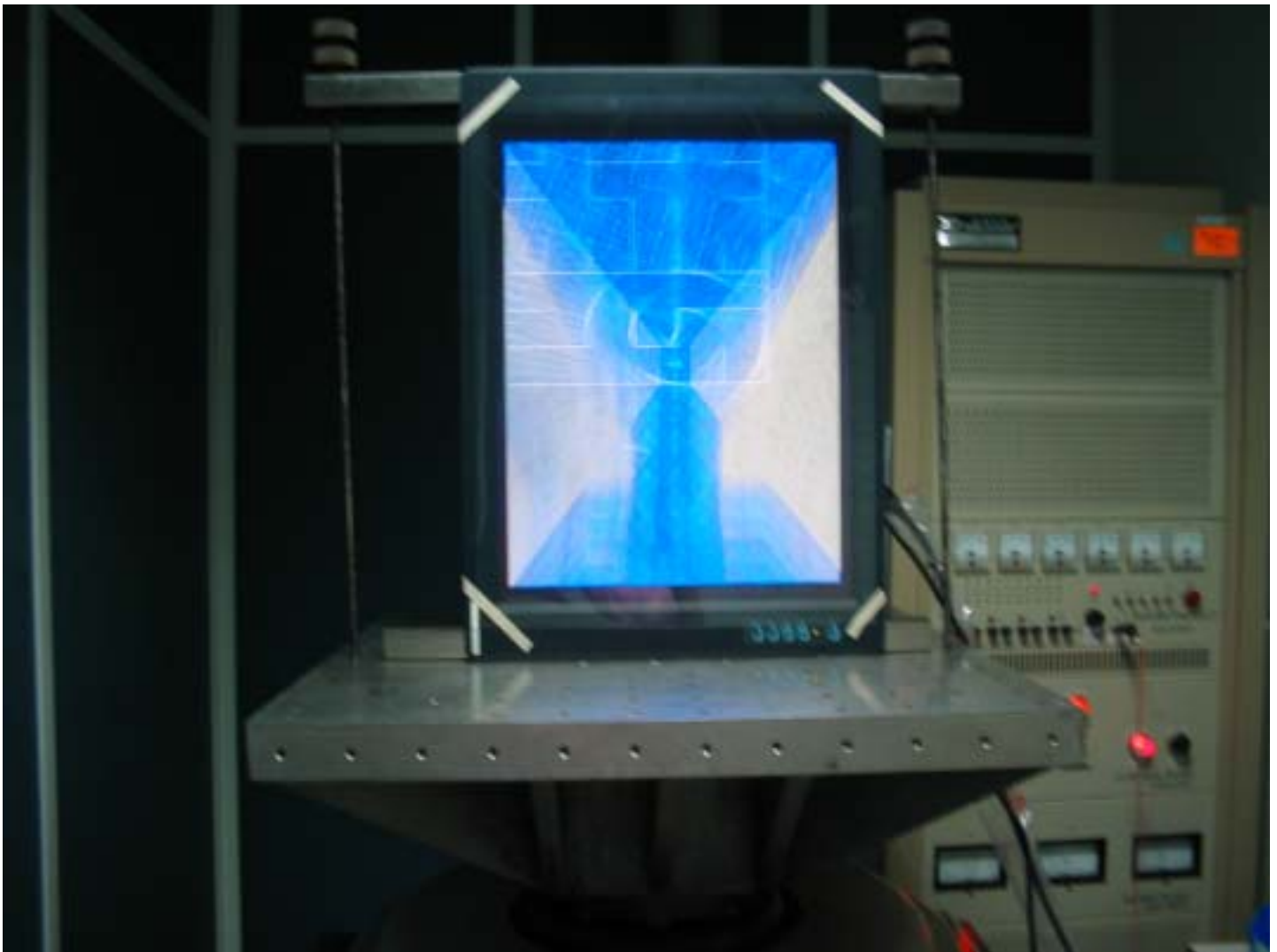
Report created at 03:07:11 PM, Thursday, April 22, 2004

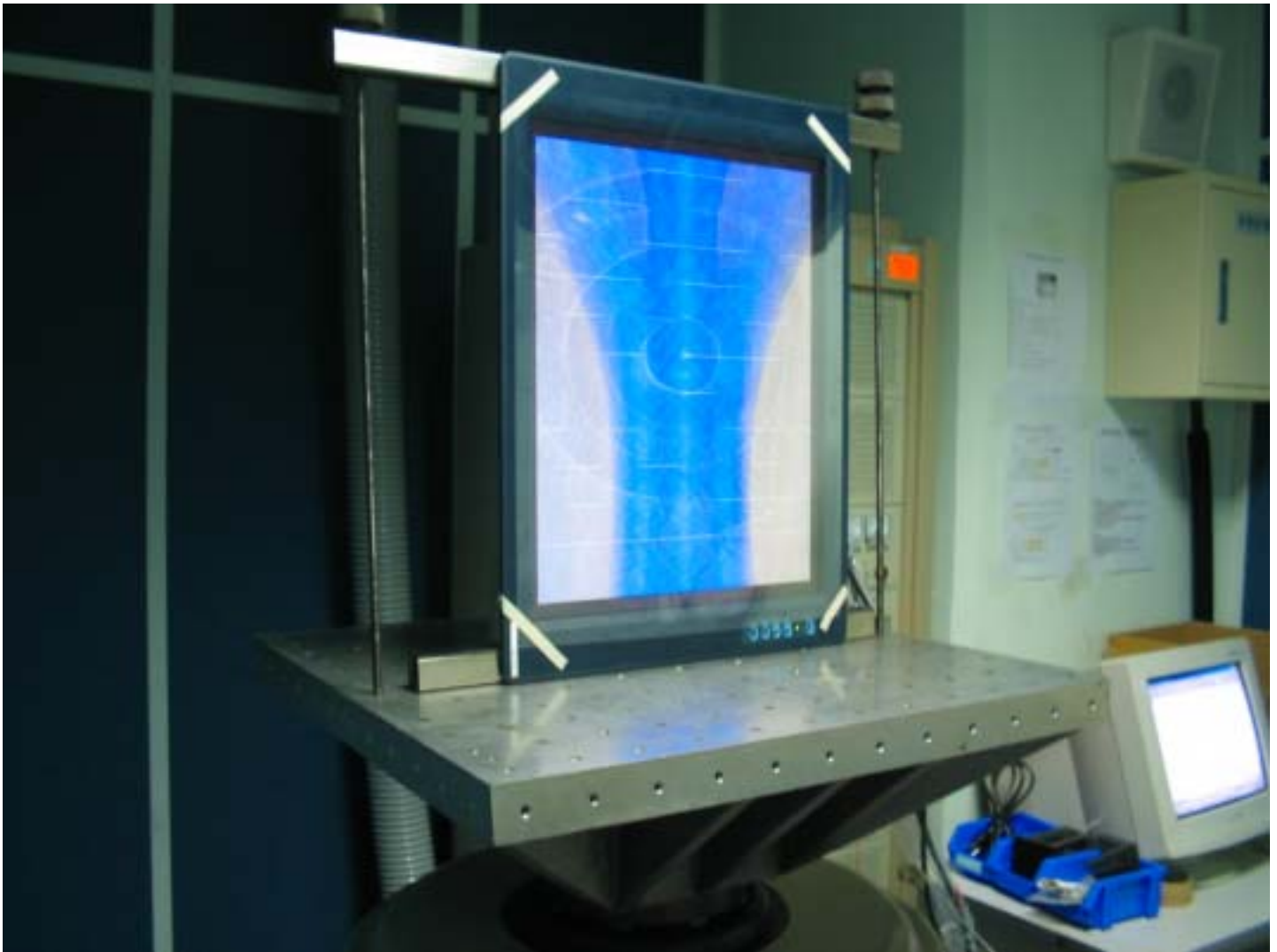


## Random vibration operation test

Report NO. 0.0

Photo 2 :



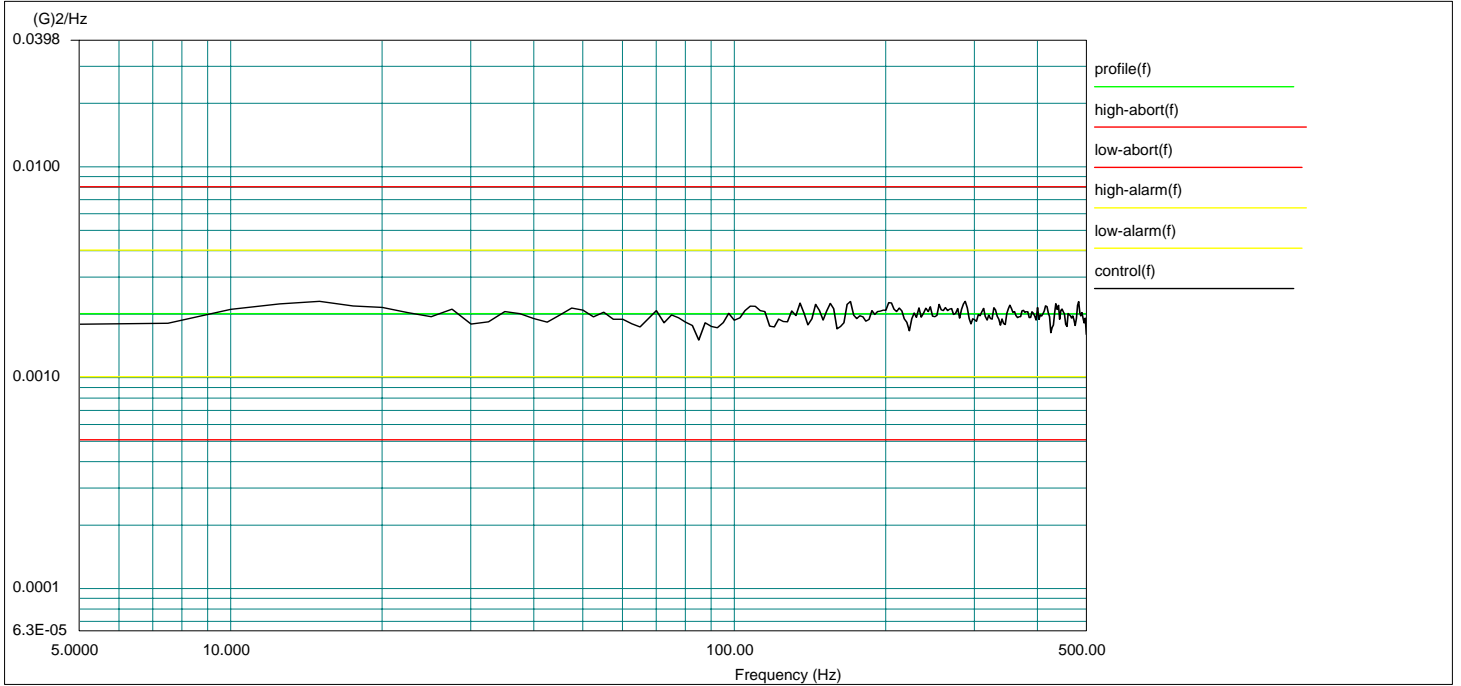


**APD-7211 operation random vibration test for Y-axis**



Project File Name: ADP-7211 Y-AXIS 1G.prj

Profile Name: Nav-Mat Test Type: Random Run Folder: .\Run Apr 22,2004 15-16-40



Data saved at 04:26:56 PM, Thursday, April 22, 2004

Report created at 04:26:57 PM, Thursday, April 22, 2004

Level: 100 %

Control RMS: 0.995440 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

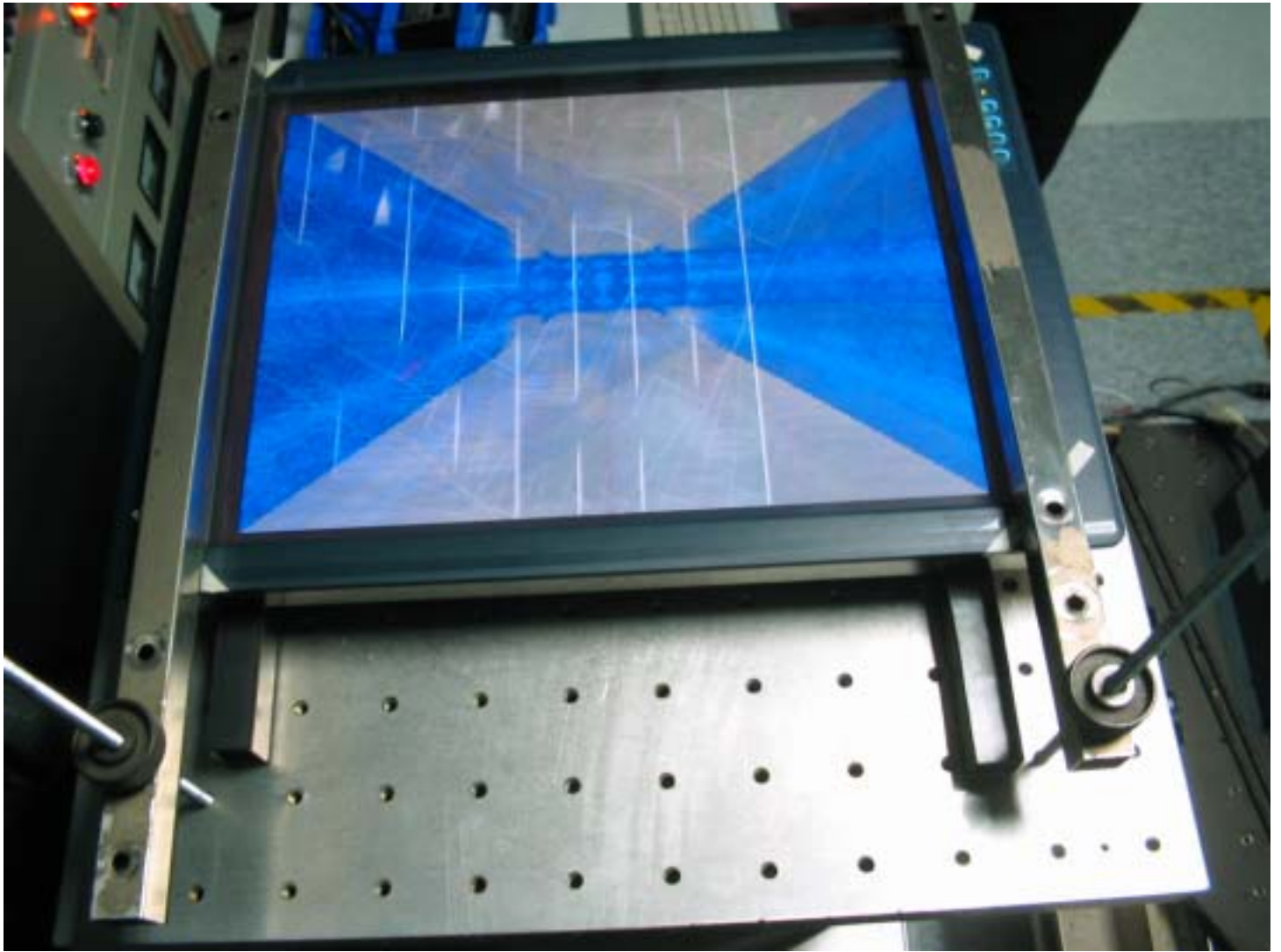
Demand RMS: 1.001343 G Remaining Time: 00:00:00 DOF: 154 dF: 2.500000 Hz

Data saved at 04:26:56 PM, Thursday, April 22, 2004

Report created at 04:26:57 PM, Thursday, April 22, 2004



Photo 3 :





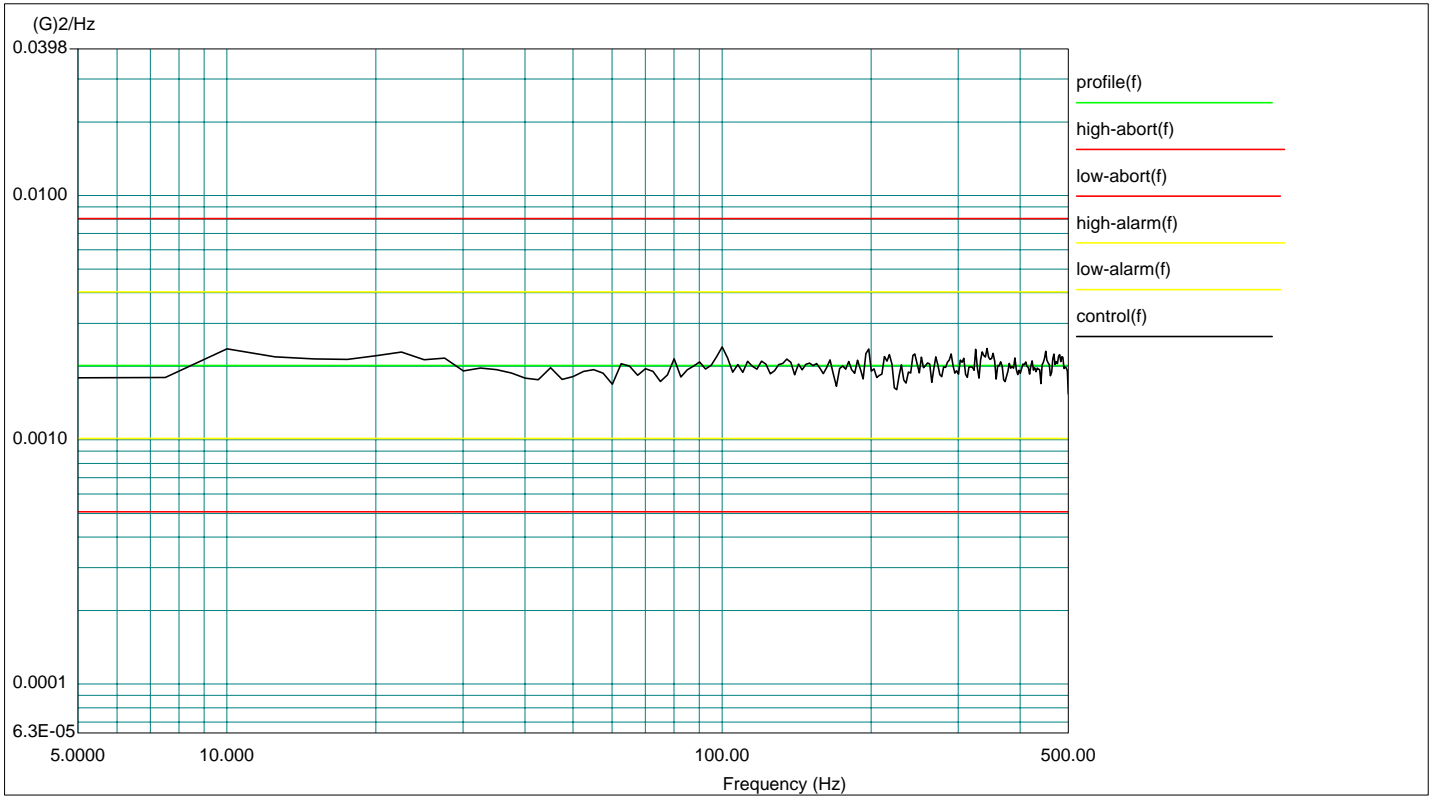
**APD-7211 operation random vibration test for Z-axis**

Project File Name: ADP-7211 Z-AXIS 1G.prj

Profile Name: Nav-Mat

Test Type: Random

Run Folder: .\Run Apr 22,2004 16-40-19



Dactron Shaker Control - [1G.prj:Composite]

Project Test Setup Profile Test Controls Report Window Pane Cursor Help

Composite

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

Control RMS 0 (G) Demand RMS 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 ON OFF

Schedule Clock Timer ON OFF

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

Activity End of test

RANDOM

Start Stop Pause Continue

Ready Run Folder: .\Run Apr 22,2004 16-40-19 Profile: Nav-Mat

Data saved at 05:43:23 PM, Thursday, April 22, 2004  
Report created at 05:43:24 PM, Thursday, April 22, 2004

Level: 100 %

Control RMS: 0.997182 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

Demand RMS: 1.001343 G Remaining Time: 00:00:00 DOF: 154 dF: 2.500000 Hz

Data saved at 05:43:23 PM, Thursday, April 22, 2004 Report created at 05:43:24 PM, Thursday, April 22, 2004