

ONYX-152 Series Vibration Test Report

Report NO : 0.0

Issued by:

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12/12/2003

*Dana Lui*代
Mechanical Engineer

Date

Reviewed by:

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12/12/2003

Tony Liang
Mechanical Supervisor

Date

Test Date: 12-12-2003

Test Site: AAEON R&D Internal Lab.

Performed By: Tony Liang

Test Product: ONYX-152-- 15" LCD Panel PC.

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 : 0.075mm
4. Test Frequency : 5-500Hz
5. Test Axis :X,Y,Z three axis
6. Endurance per sweep : 60min
7. Test Vibration Curve : Random

Additional Test Peripheral:

Configuration	Model
Test O.S.	Windows 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 ONYX-152 15" LCD Panel PC meets Random vibration operation test

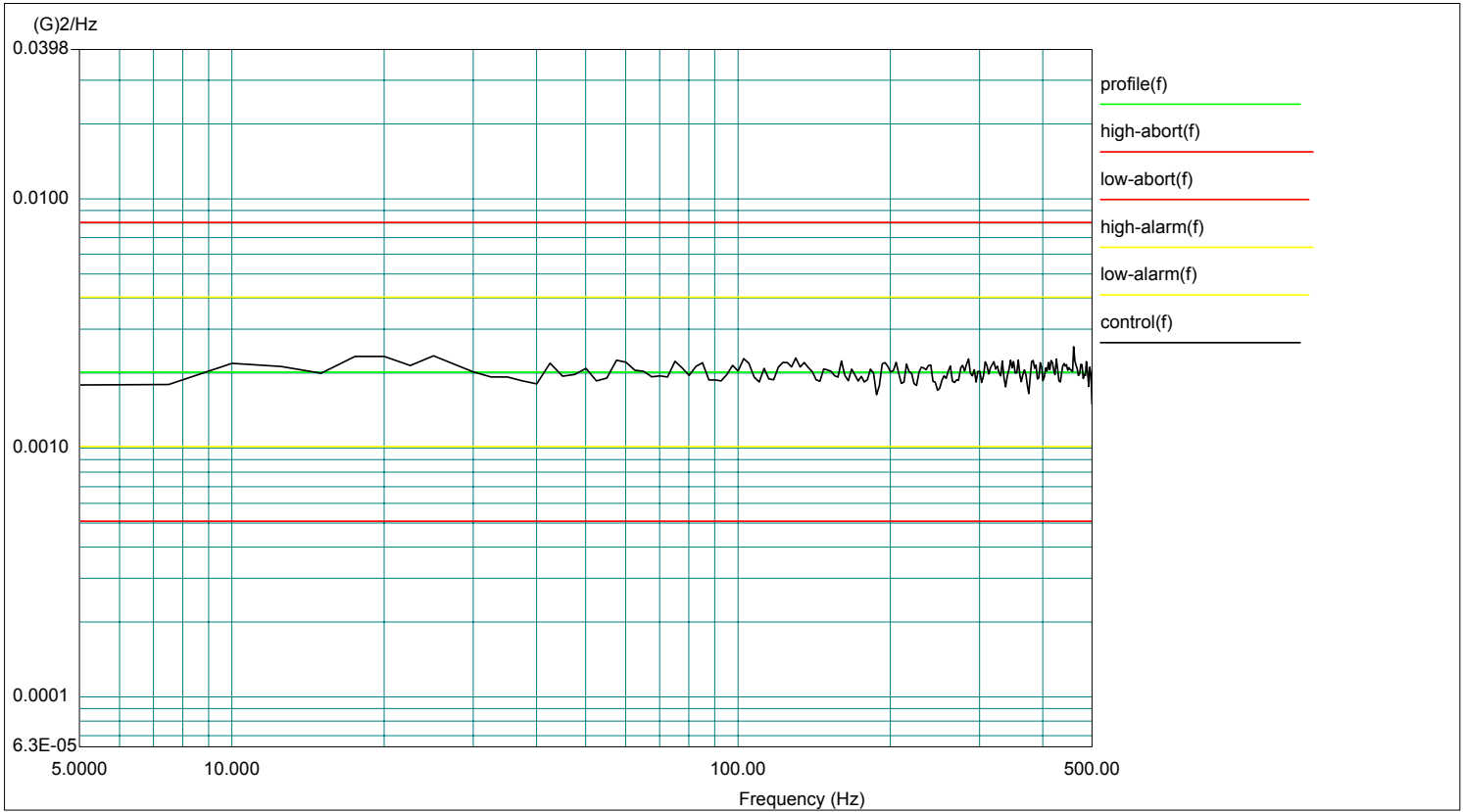
ONYX-152 operation Random vibration test for X-axis

Project File Name: ONYX-152 Series X axis

Profile Name: Nav-Mat

Test Type: Random

Run Folder: \Run Dec 11,2003 13-49-55



The screenshot shows the Dactron Shaker Control software interface. The main window displays the same graph as above. The right-hand panel shows control parameters: Control RMS (0 G), Demand RMS (0 G), Level (0%), and Drive (0.0000 Volts). It also displays timing information: Full Level Elapsed (01:00:00), Total Elapsed (01:00:16), and Total Remaining (00:00:00). The bottom right panel shows the test mode as 'RANDOM' with 'Start', 'Stop', 'Pause', and 'Continue' buttons. The bottom status bar indicates 'Ready', 'Run Folder: \Run Dec 11,2003 16-46-58', and 'Profile: Nav-Mat'.

Data saved at 03:04:25 PM, Thursday, December 11, 2003

Report created at 03:04:38 PM, Thursday, December 11, 2003

Level: 100 %

Control RMS: 1.004707 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

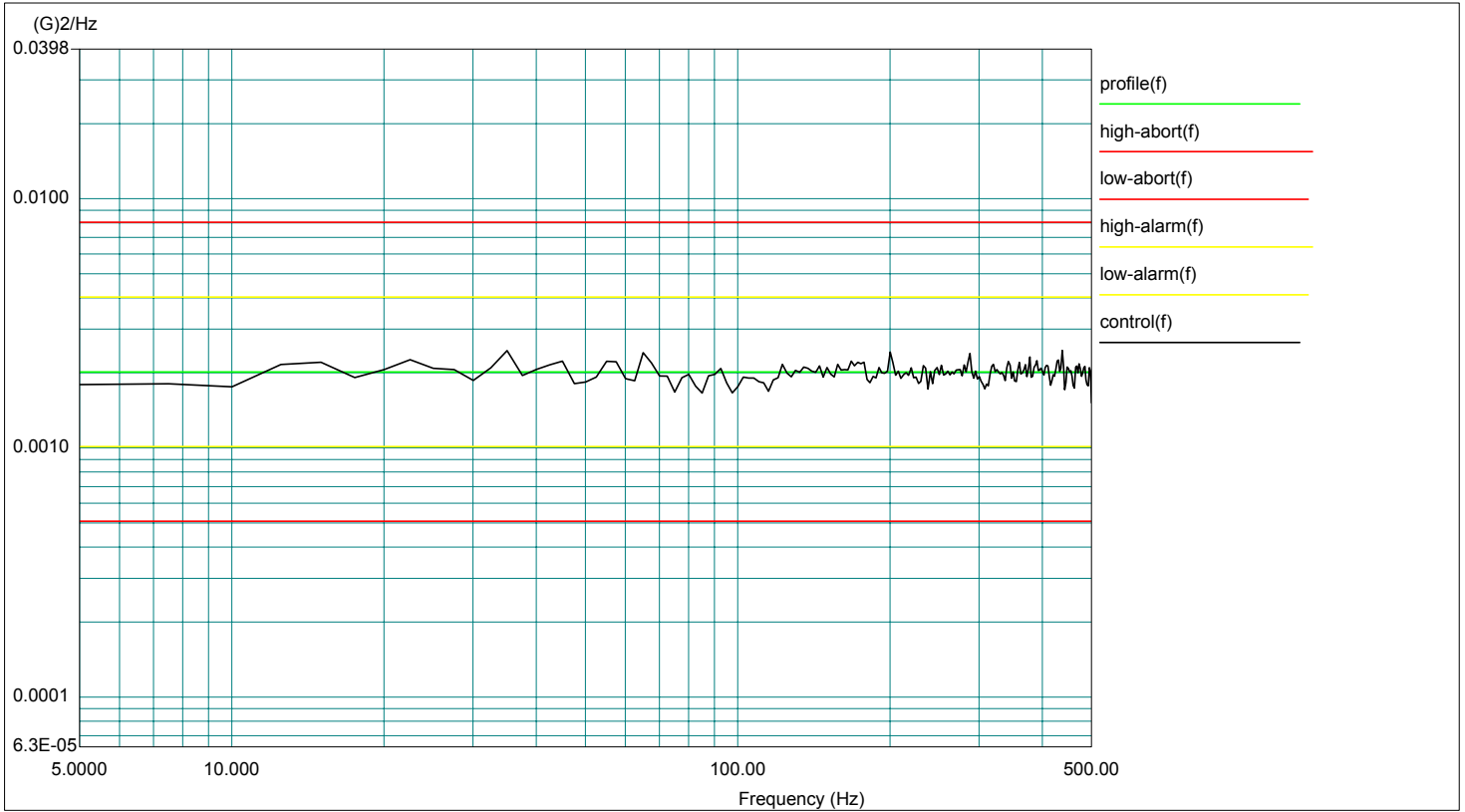
Demand RMS: 1.001343 G Remaining Time: 00:00:00

DOF: 154 dF: 2.500000 Hz

Data saved at 03:04:25 PM, Thursday, December 11, 2003

Report created at 03:04:38 PM, Thursday, December 11, 2003

ONYX-152 operation random vibration test for Y-axis



The screenshot shows the Dectron Shaker Control software interface for a random vibration test. The main window displays the test profile graph, similar to the one above. The interface includes several control panels:

- Control RMS and Demand RMS:** Both are set to 0.0000 (G).
- Level:** Set to 0.0000 (%).
- Drive:** Set to 0.0000 (Volts).
- Timers:** Full Level Elapsed: 01:00:00, Total Elapsed: 01:00:16, Total Remaining: 00:00:00.
- Auto. Abort Checks:** ON/OFF toggle.
- Closed Loop Control:** ON/OFF toggle.
- Schedule Clock Timer:** ON/OFF toggle.
- Activity:** Set to End of test.
- Mode:** Set to RANDOM.
- Buttons:** Start (green), Stop, Pause, Continue.

The Channel Status panel shows a signal level of 1.00 and provides the following statistics:

- Max= 5.96mV
- Min= 5.18mV
- RMS= 5.38mV
- Peak= 5.96mV
- Sig. Small

The status bar at the bottom indicates: Ready, Run Folder: \\Run Dec 11,2003 16-46-58, Profile: Nav-Mat.

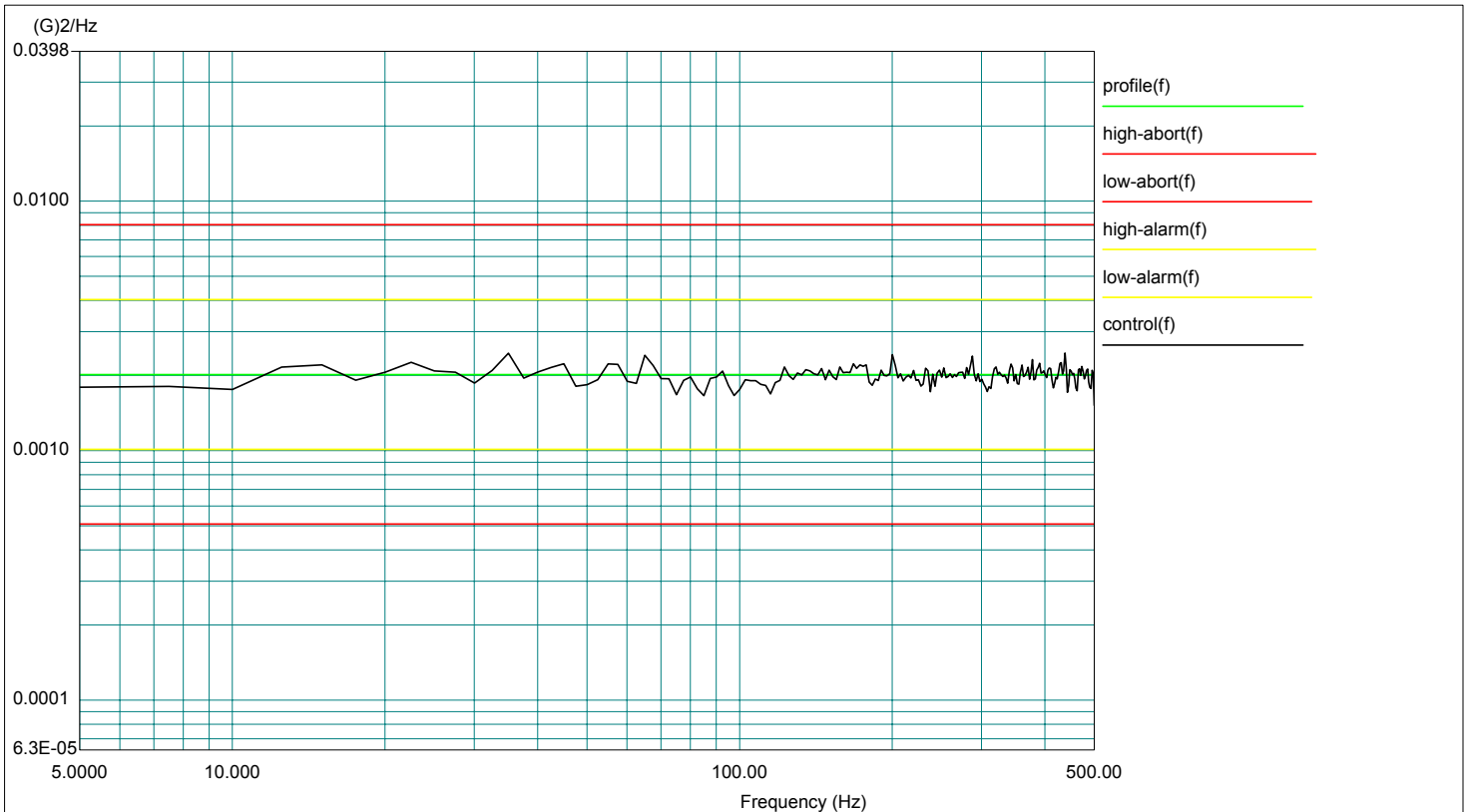
Level: 100 %

Control RMS: 0.999096 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

ONYX-152 operation random vibration test for Z-axis

Project File Name: ONYX-152 Series Z axis



The screenshot shows the Dactron Shaker Control software interface. The main window displays the same graph as above. The right panel shows control parameters: Control RMS (0.999096 G), Demand RMS (0 G), Level (0%), Drive (0.0000 Volts), Full Level Elapsed (01:00:00), Total Elapsed (01:00:16), and Total Remaining (00:00:00). The bottom panel shows channel status for channel 1 with a bar graph and numerical values: Max=5.96mV, Min=-5.18mV, RMS=5.58mV, Peak=5.96mV, Sig. Small.

Level: 100 %

Control RMS: 0.999096 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 05:47:40 PM, Thursday, December 11, 2003

Report created at 05:47:42 PM, Thursday, December 11, 2003