



Onyx-158 Series Vibration Test Report

Report NO : 0.0

Issued by:

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03/14/2003

Bill Chiou 代
Mechanical Engineer

Date

Reviewed by:

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03/14/2003

TonyLiang
Mechanical Supervisor

Date

TD-312

Test Date: 03-14-2003

Test Site: AAEON R&D Internal Lab.

Performed By: Bill Chiou

Test Product: Onyx-158-- 15" LCD Panel PC.

Test Standard:

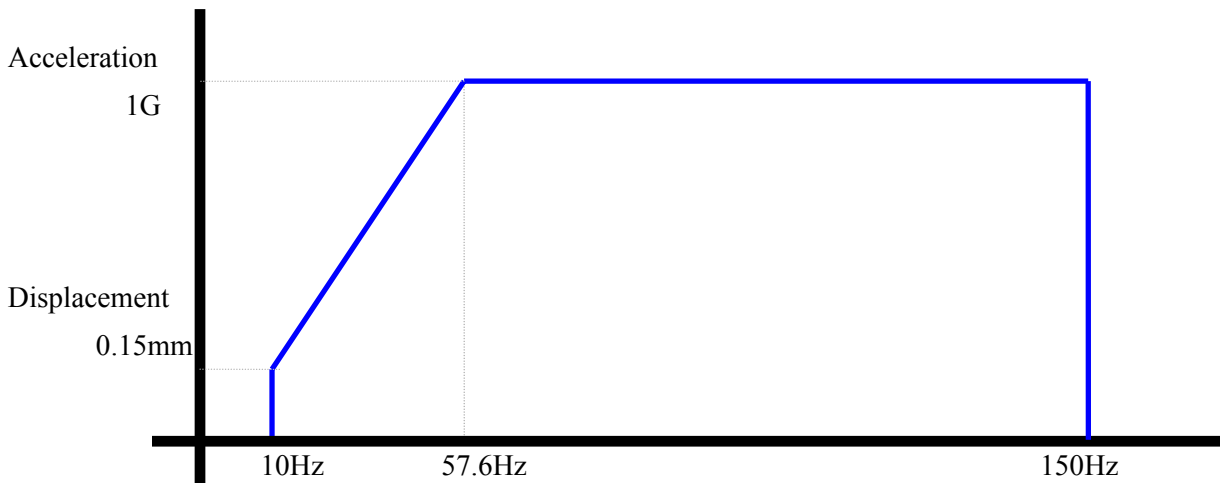
NO.	Description
IEC68-2-6	Testing procedures Test Fc : Vibration Sinusoidal Test

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 : 10-150Hz
 - Starting frequency : 10 Hz
 - Stopping frequency : 150 Hz
 - Transition frequency : 57.6 Hz
5. Test Velocity :1 Octave / min
6. Test Axis :X,Y,Z three axis
7. Endurance per sweep : 10 cycles
8. Test Vibration Curve :



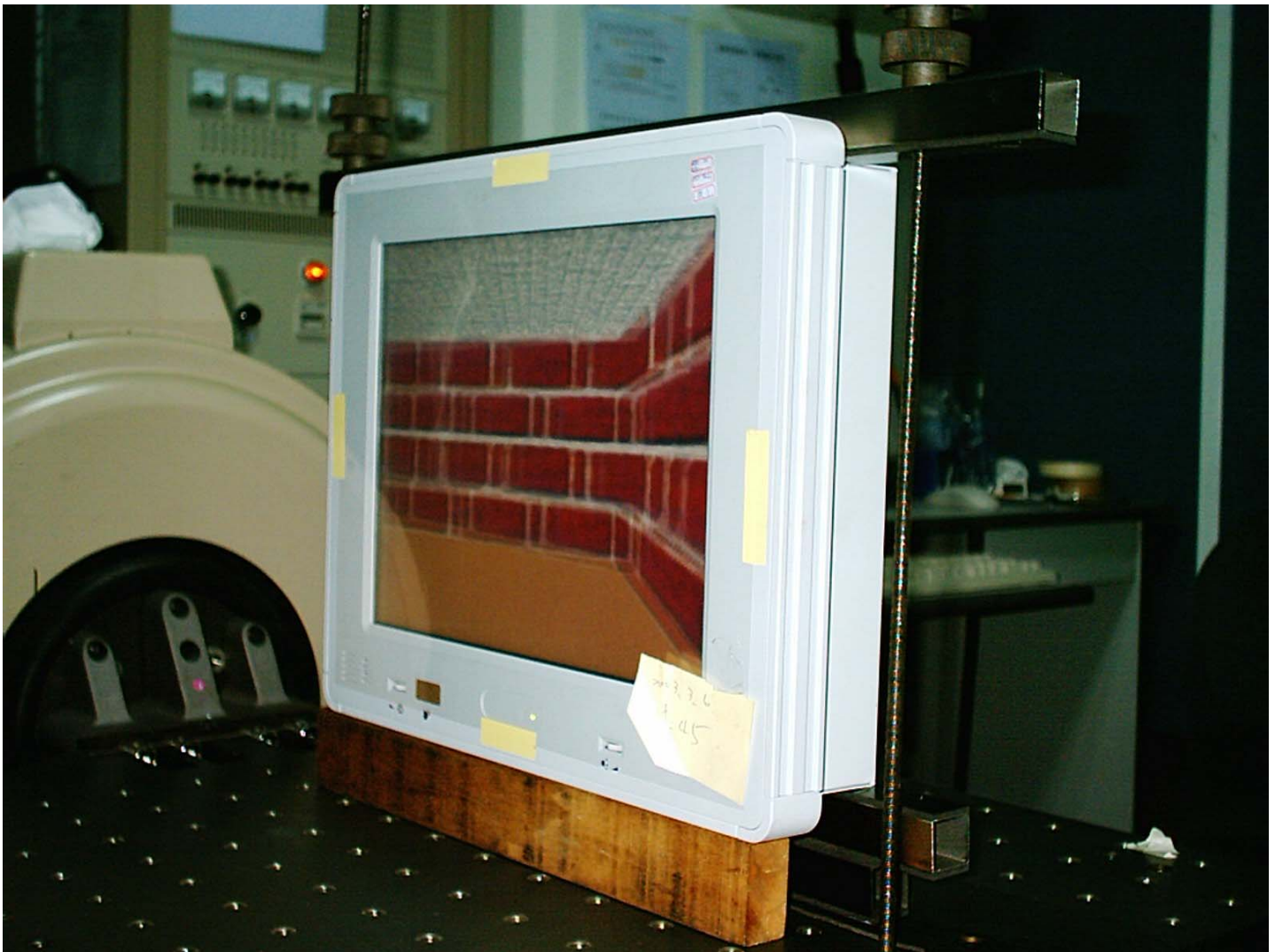
TD-312

Additional Test Peripheral:

Configuration	Model
Test O.S.	Win NT 4.0
Test Software	Windows Screen Saver
Test Fixture (For Test Software)	Temperature Recorder Fixture

Sample Configuration & Quantity Under Test:

Quantity: 1

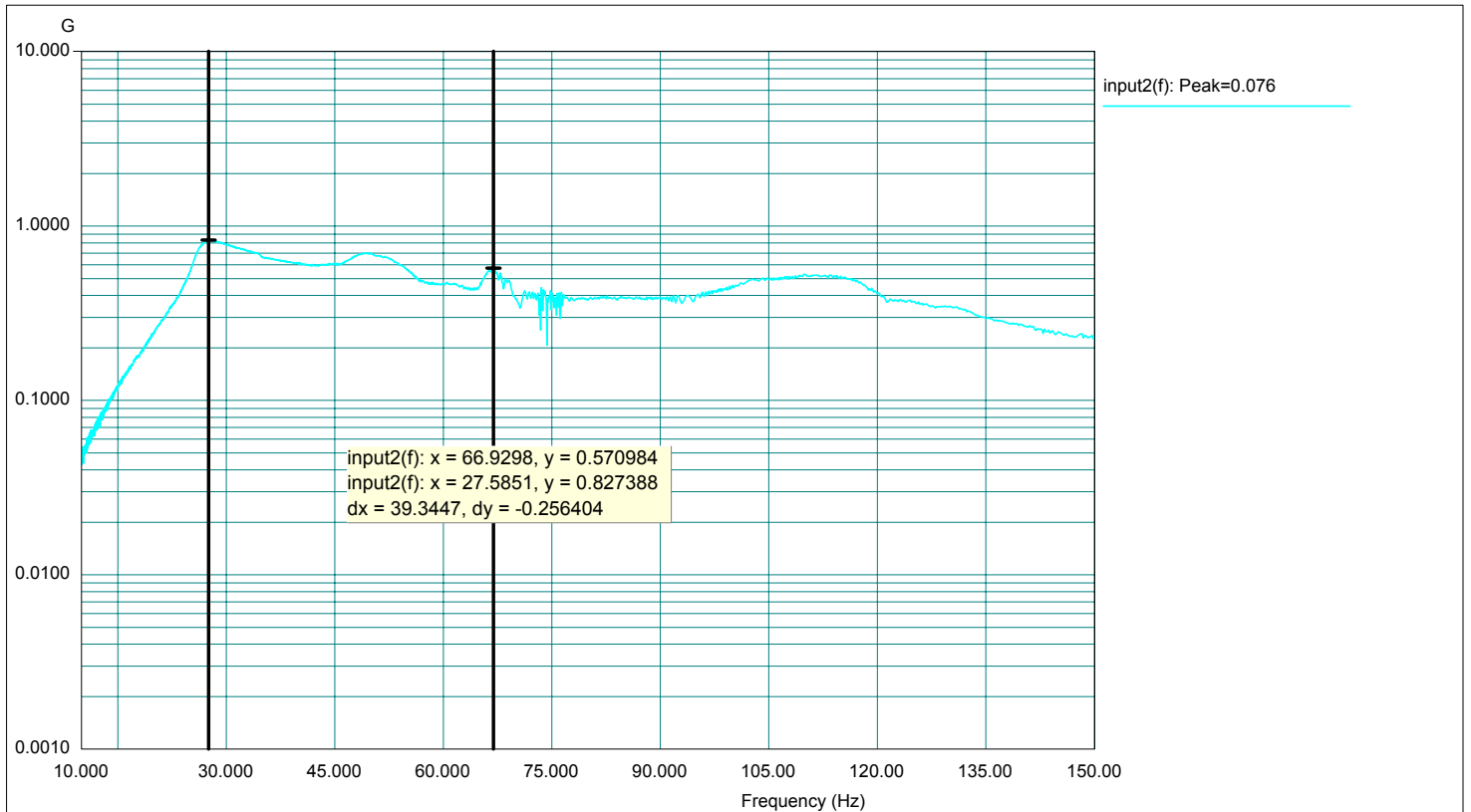
Test Result: **OK**The **Onyx-158** 15" LCD Panel PC meets Sine vibration operation test**Photo 1 :****Onyx-158 operation sine vibration test for X-axis**

Project File Name: Onyx-158 Series X axis

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: \Run Mar 14,2003 10-23-19

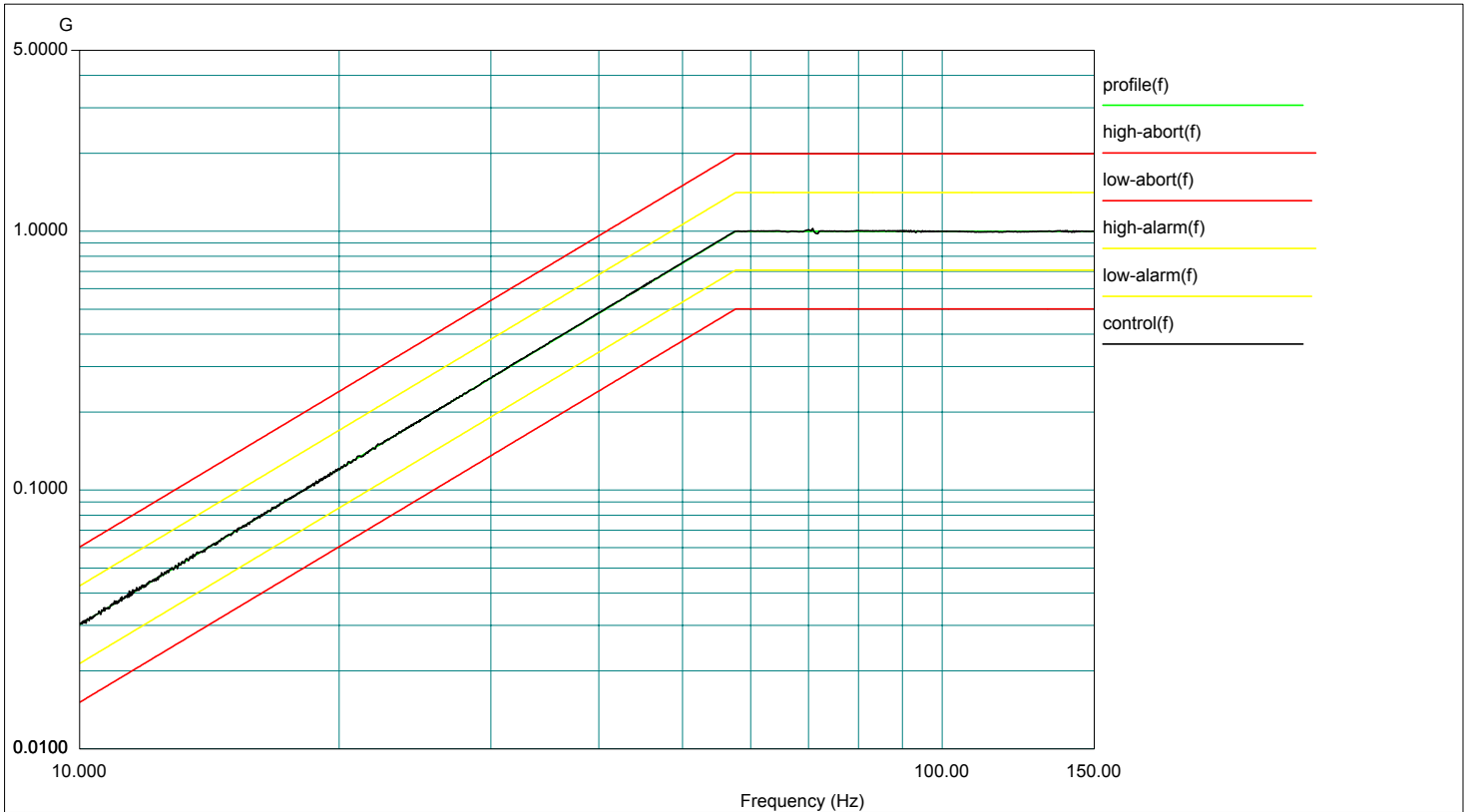


Level: 100 %	Control Peak: 0.030353 G	Full Level Time: 00:39:05	Sweep Type: Logarithmic
Frequency: 10.001037 Hz	Demand Peak: 0.030213 G	Time Remaining: 00:00:00	Sweep Rate: 1 Oct/Min

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: \Run Mar 14,2003 10-23-19



Level: 100 % Control Peak: 0.030353 G Full Level Time: 00:39:05 Sweep Type: Logarithmic
Frequency: 10.001037 Hz Demand Peak: 0.030213 G Time Remaining: 00:00:00 Sweep Rate: 1 Oct/Min

Dactron Shaker Control - Swept Sine:=S= prj

Project Test Setup Profile Test Controls Report Window Pane Cursor Help

input2(f)_0

Control Peak 0 (G) Demand Peak 0 (G)

Level 0 (%)

Drive 0.0000 (Volts)

Full Level (Time) 00:39:05

Total (Time) 00:39:06

Time 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

SINE

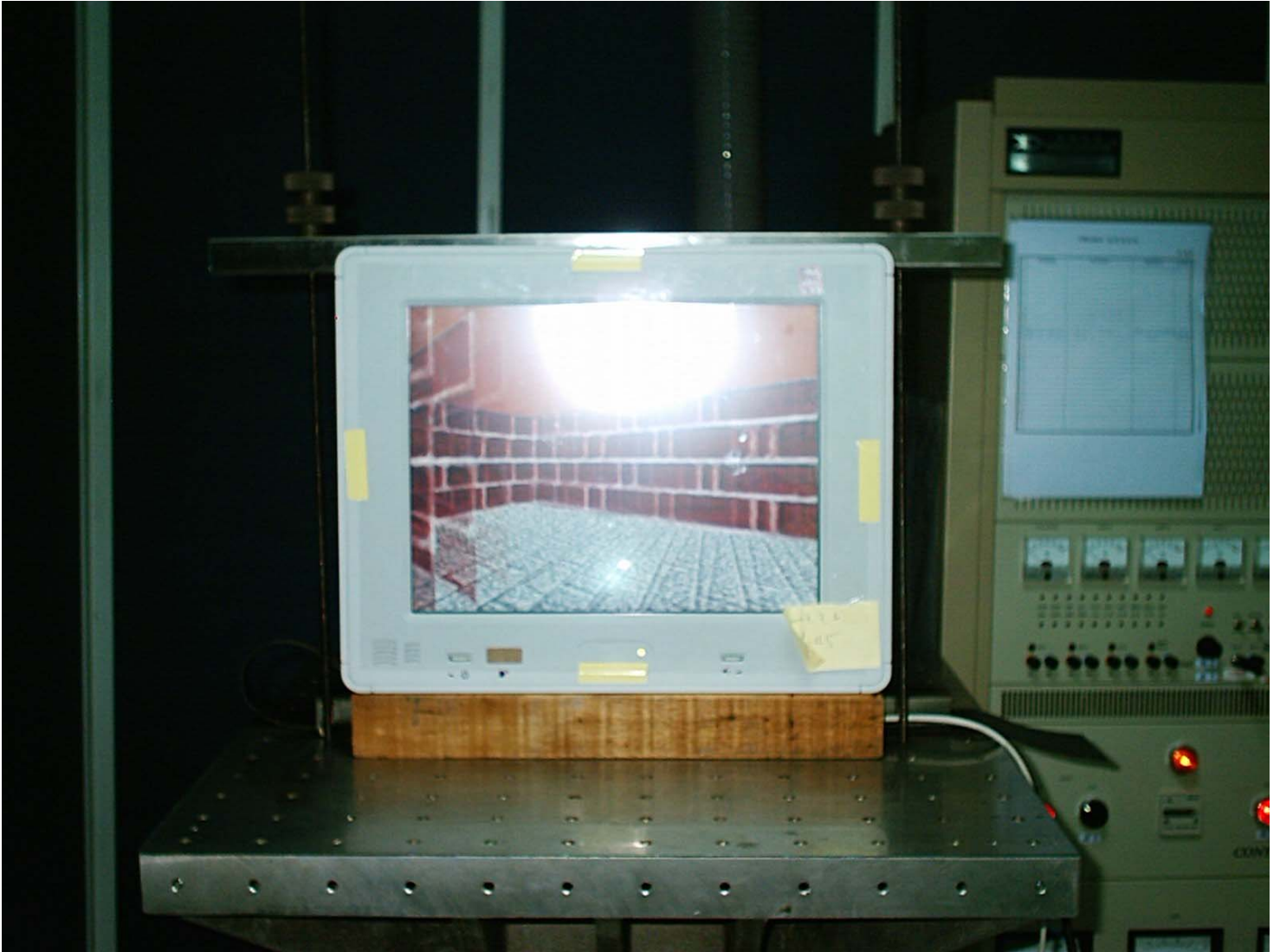
Start Stop Pause Continue

Ready Run Folder: \Run Mar 14,2003 10-23-19 Profile: 1.0G & 0.05In Pk-Pk.

Data saved at 11:02:42 AM, Friday, March 14, 2003

Report created at 11:02:43 AM, Friday, March 14, 2003

Photo 2 :

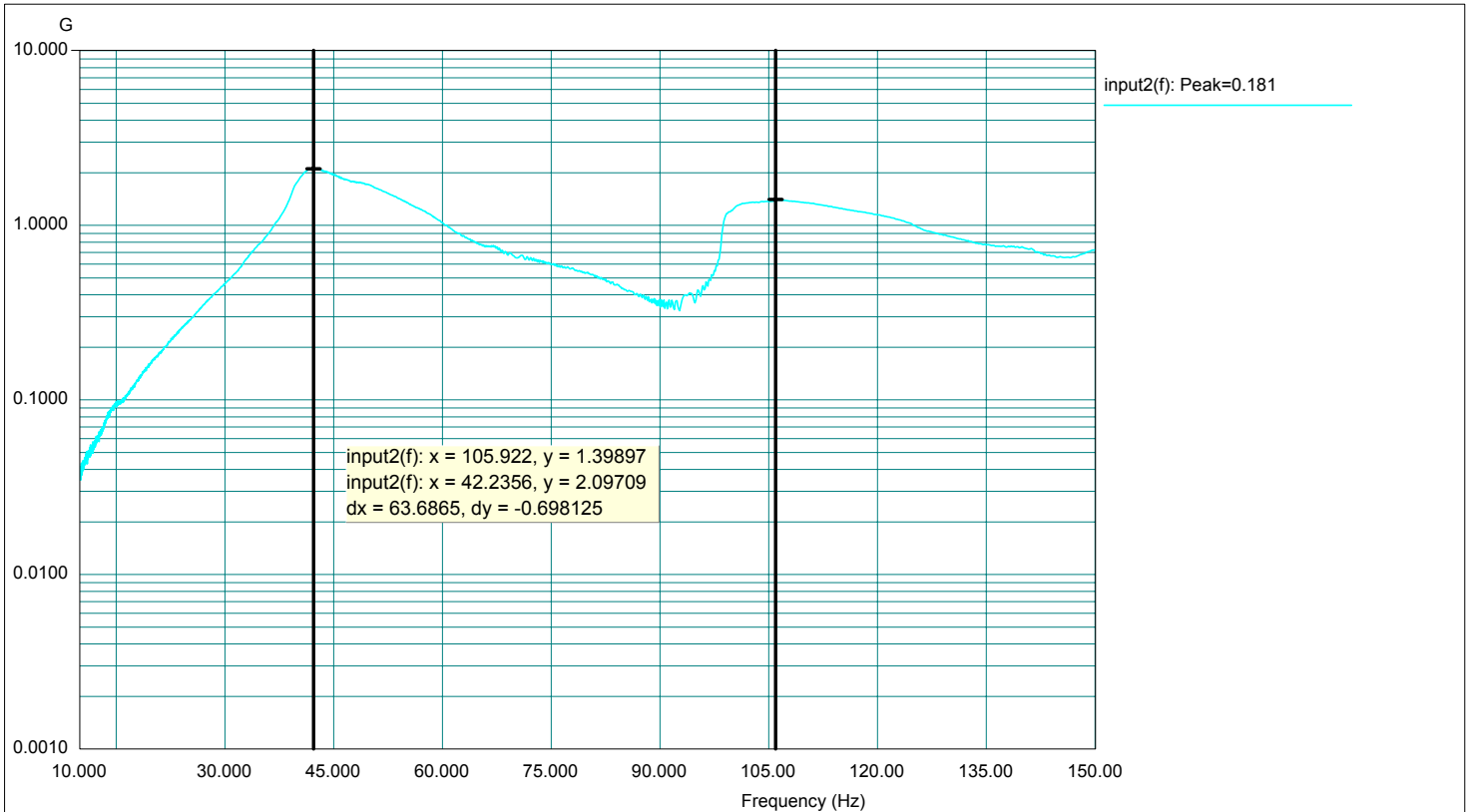
**Onyx-158 operation sine vibration test for Y-axis**

Project File Name: Onyx-158 Series Y axis

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: \Run Mar 14,2003 11-24-03



Level: 100 %

Control Peak: 0.133346 G Full Level Time: 00:38:01

Sweep Type: Logarithmic

Frequency: 20.951214 Hz

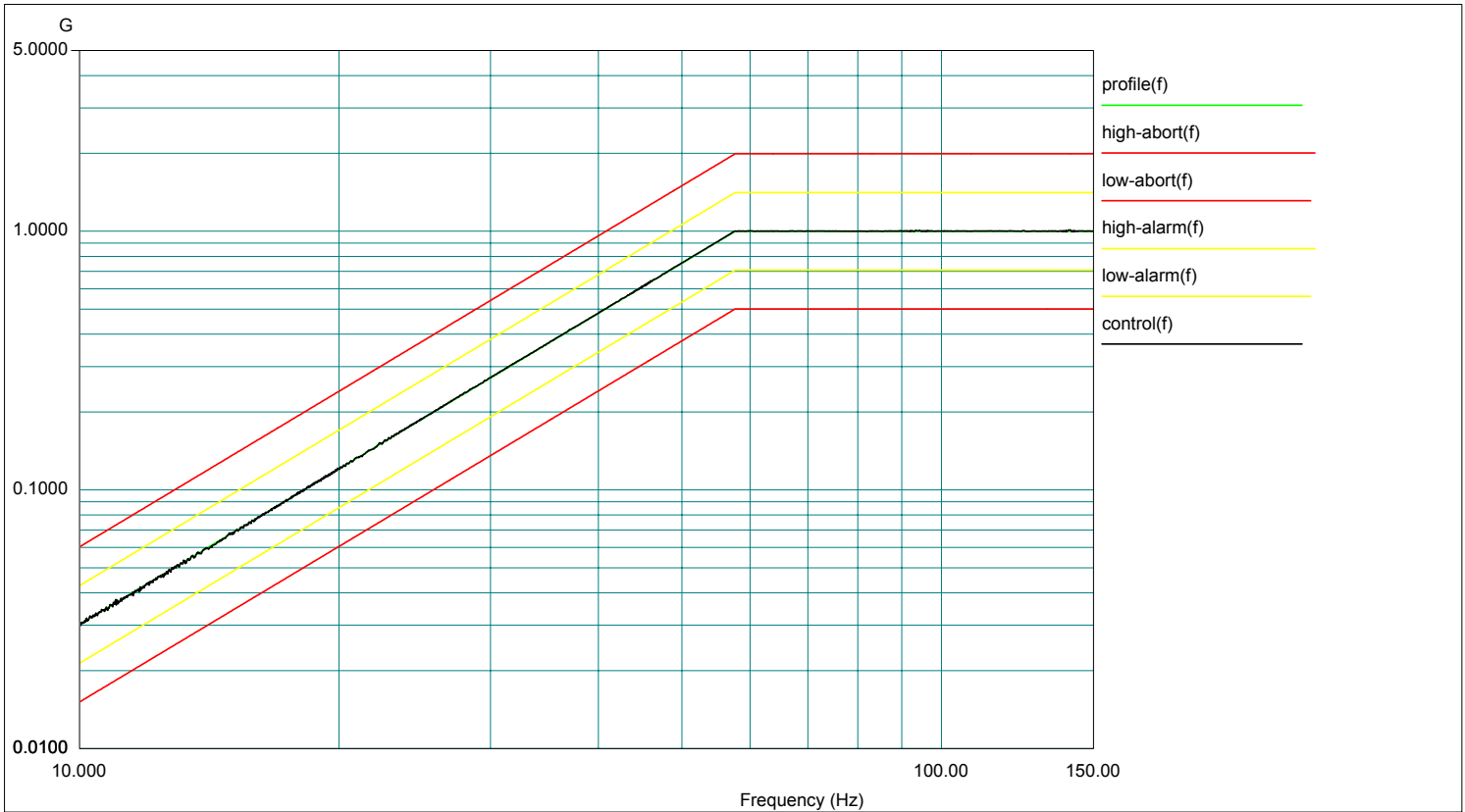
Demand Peak: 0.132465 G Time Remaining: 00:01:04

Sweep Rate: 1 Oct/Min

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: \Run Mar 14,2003 10-23-19

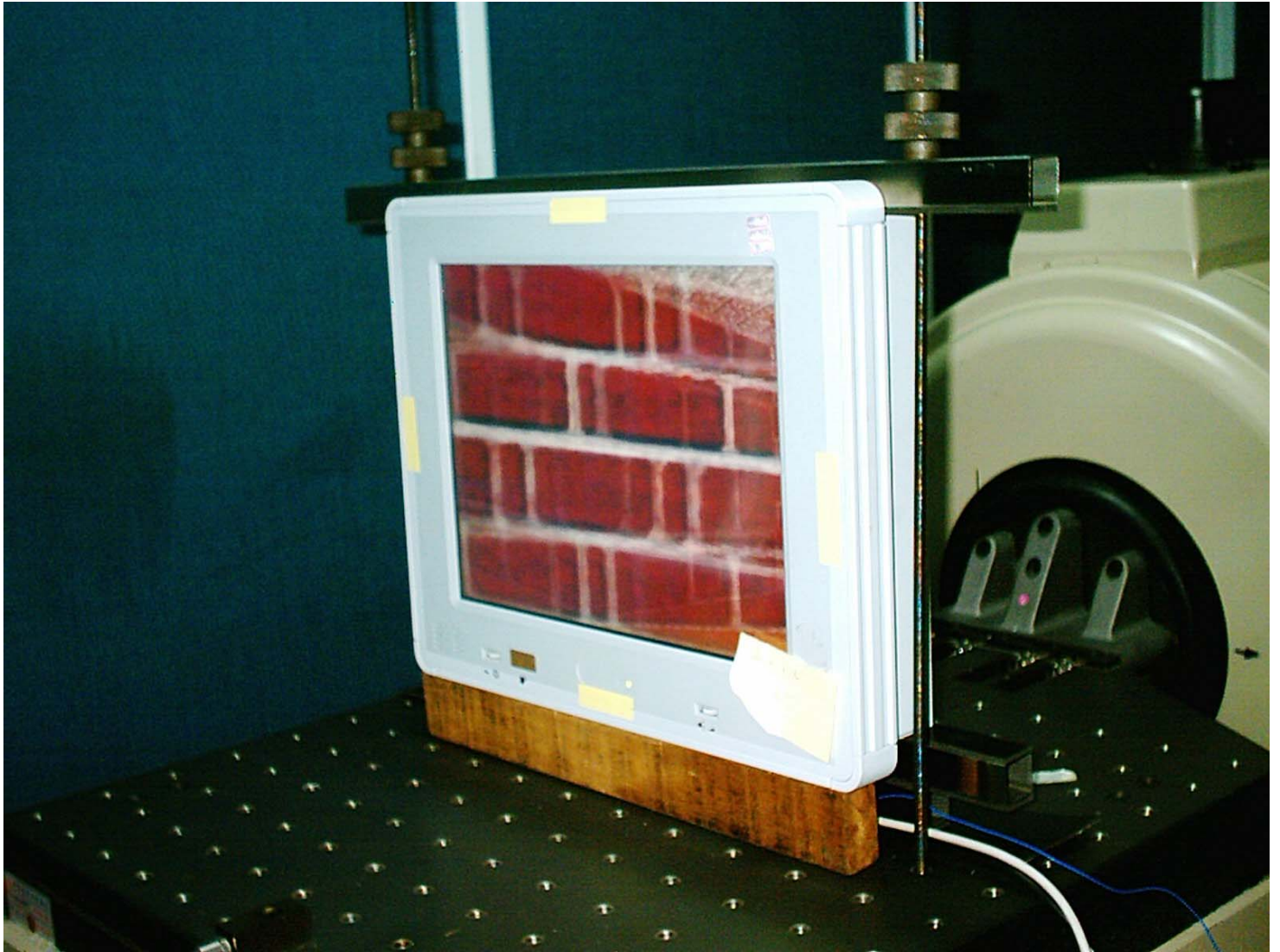


Level: 100 % Control Peak: 0.030353 G Full Level Time: 00:39:05 Sweep Type: Logarithmic
Frequency: 10.001037 Hz Demand Peak: 0.030213 G Time Remaining: 00:00:00 Sweep Rate: 1 Oct/Min

Data saved at 12:02:06 PM, Friday, March 14, 2003

Report created at 12:02:08 PM, Friday, March 14, 2003

Photo 3 :



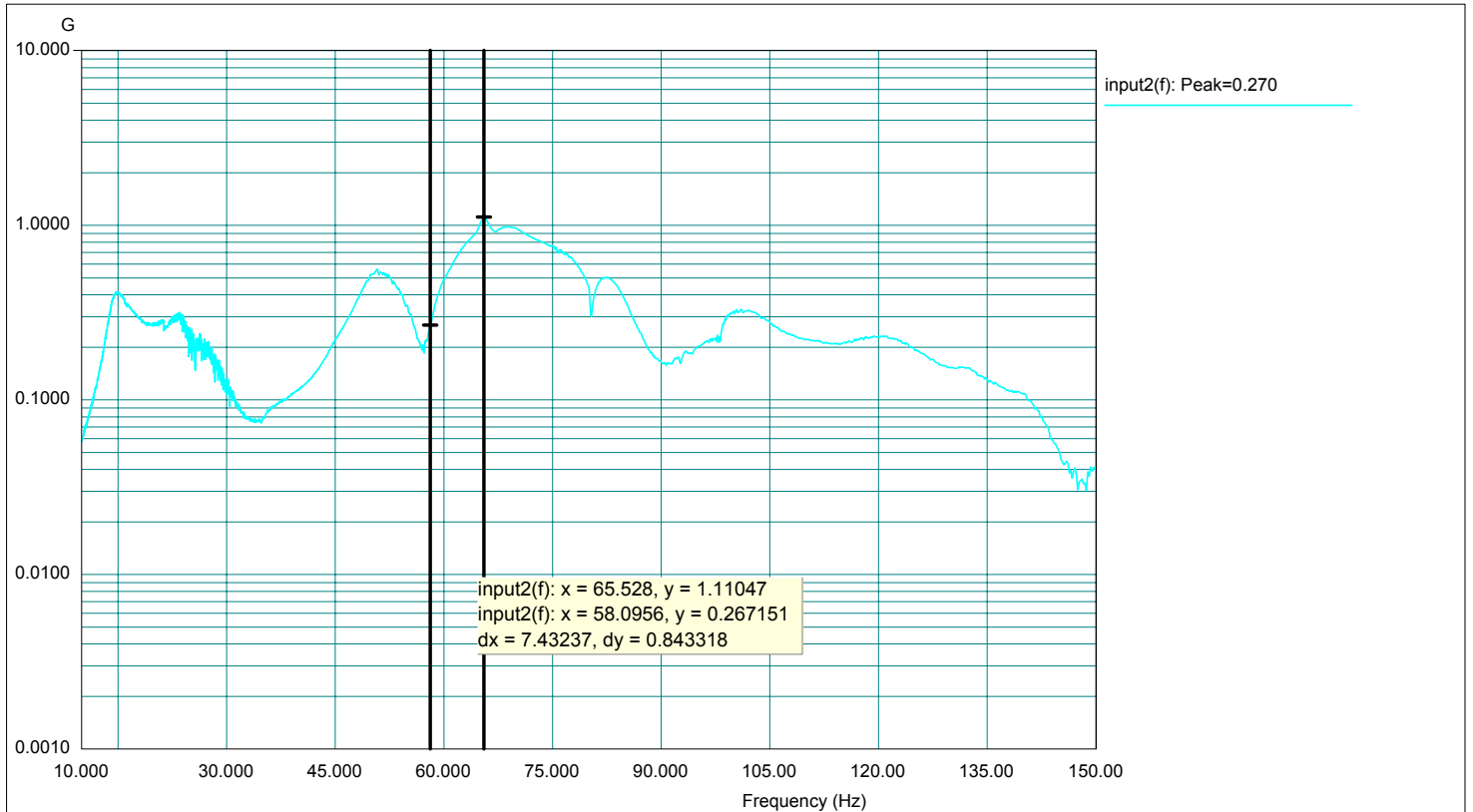
Onyx-158 operation sine vibration test for Z-axis

Project File Name: Onyx-158 Series Z axis

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: \Run Mar 14,2003 09-26-47



Level: 100 %

Control Peak: 0.137380 G Full Level Time: 00:37:59

Sweep Type: Logarithmic

Frequency: 21.316059 Hz

Demand Peak: 0.137097 G Time Remaining: 00:01:05

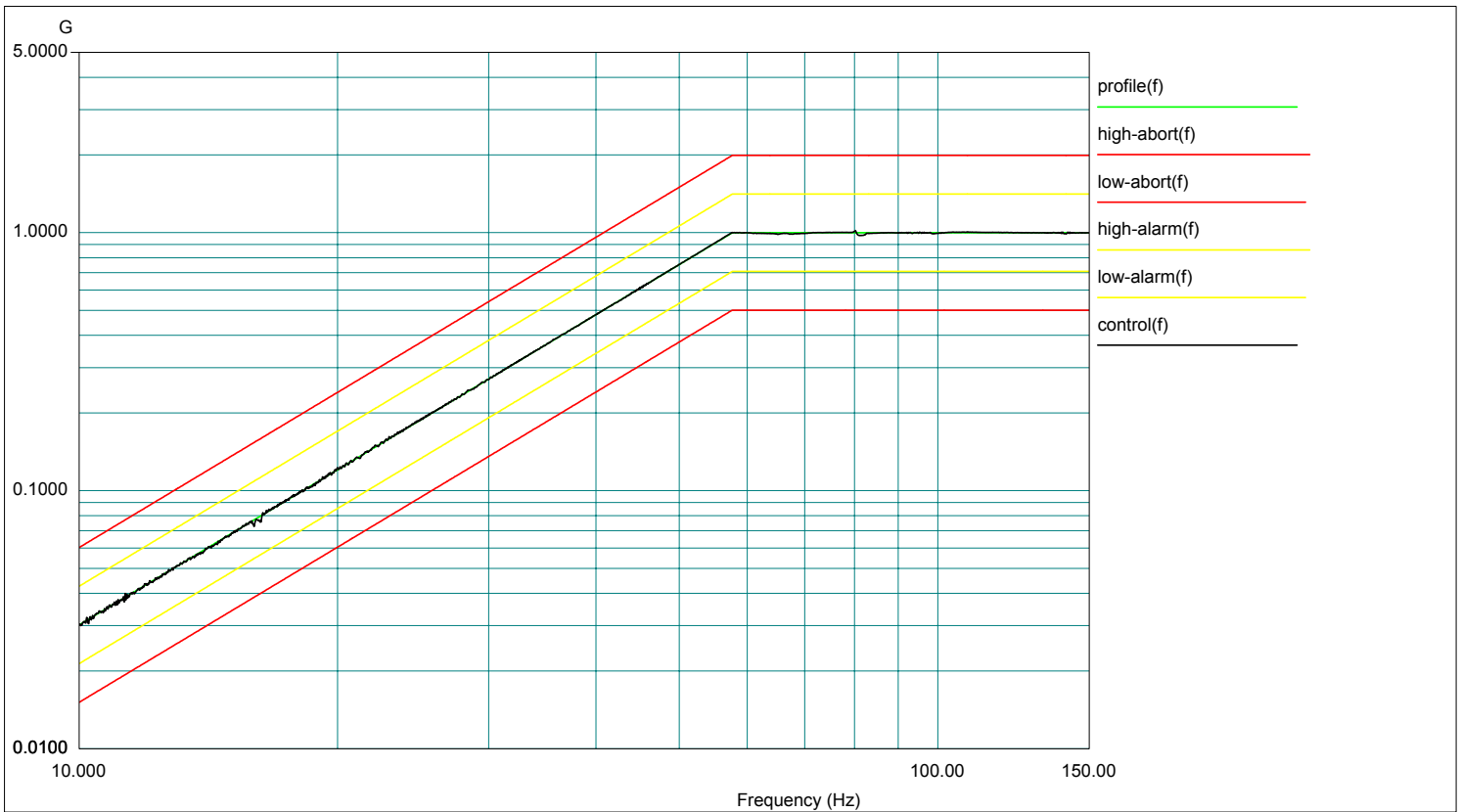
Sweep Rate: 1 Oct/Min

Profile Name: 1.0G & 0.05In Pk-Pk.

Test Type: Swept Sine

Run Folder: .\Run

Mar 14,2003 09-26-47



Level: 100 %

Control Peak: 0.137380 G Full Level Time: 00:37:59

Sweep Type: Logarithmic

Frequency: 21.316059 Hz

Demand Peak: 0.137097 G Time Remaining: 00:01:05

Sweep Rate: 1 Oct/Min

Data saved at 10:04:49 AM, Friday, March 14, 2003

Report created at 10:04:50 AM, Friday, March 14, 2003