

# AMB-2000 V2.0

## Random vibration Test Report

Report NO : 03P030019

Issued by:	/	2003/03/17
<hr/> Jackson Chen Mechanical Engineer		<hr/> Date
Reviewed by:	/	2003/03/17
<hr/> JFLin Mechanical Manager		<hr/> Date

**Test Date:** 03-07-2003

**Test Product:** AMB-2000 V2.0

**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.

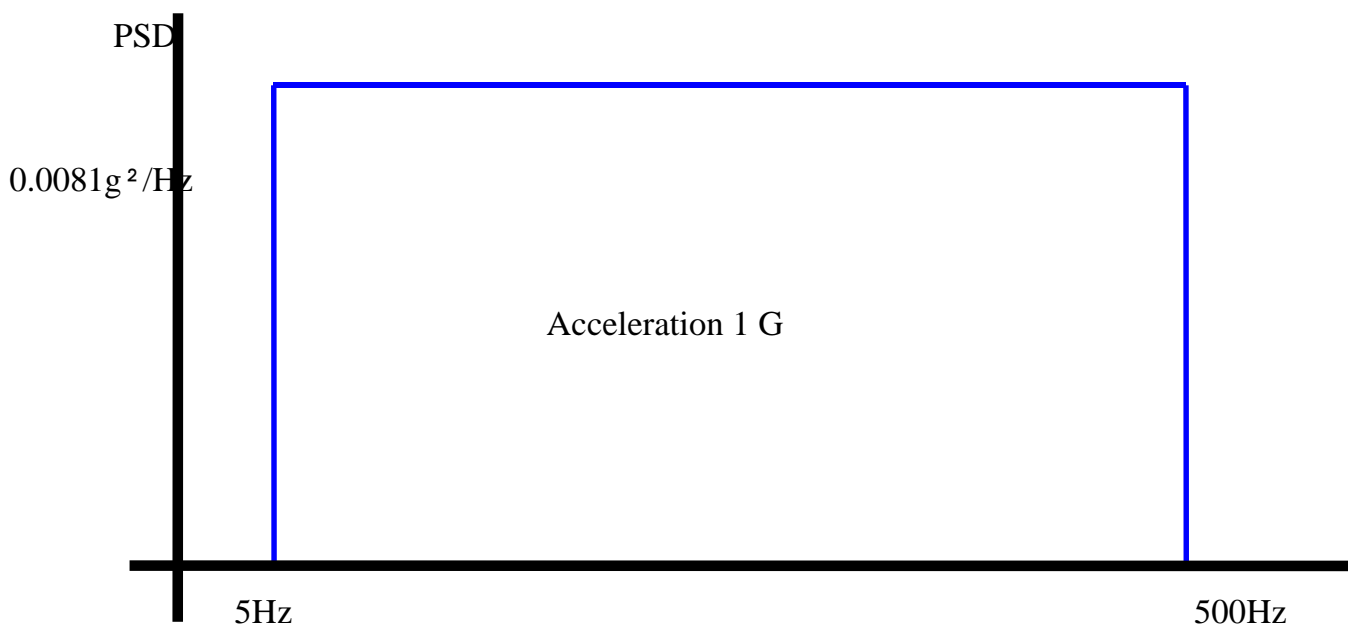
Model : KD 9363-EM-600F2K-40N20

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-2000 v2.0 Industrial panel PC

1. CPU : NS Geode GX1 300MHz
2. Memory : 256MB
3. HDD : 20GB

**Performance Criteria :**

Electronic function check:

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

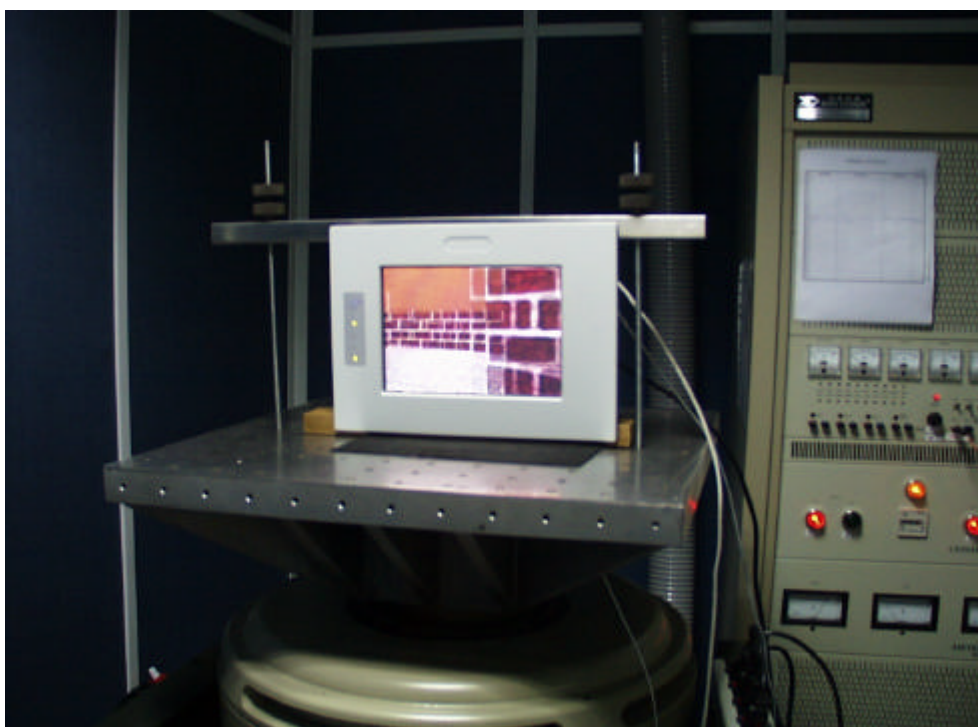
Mechanical function check:

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

**Test Result :**

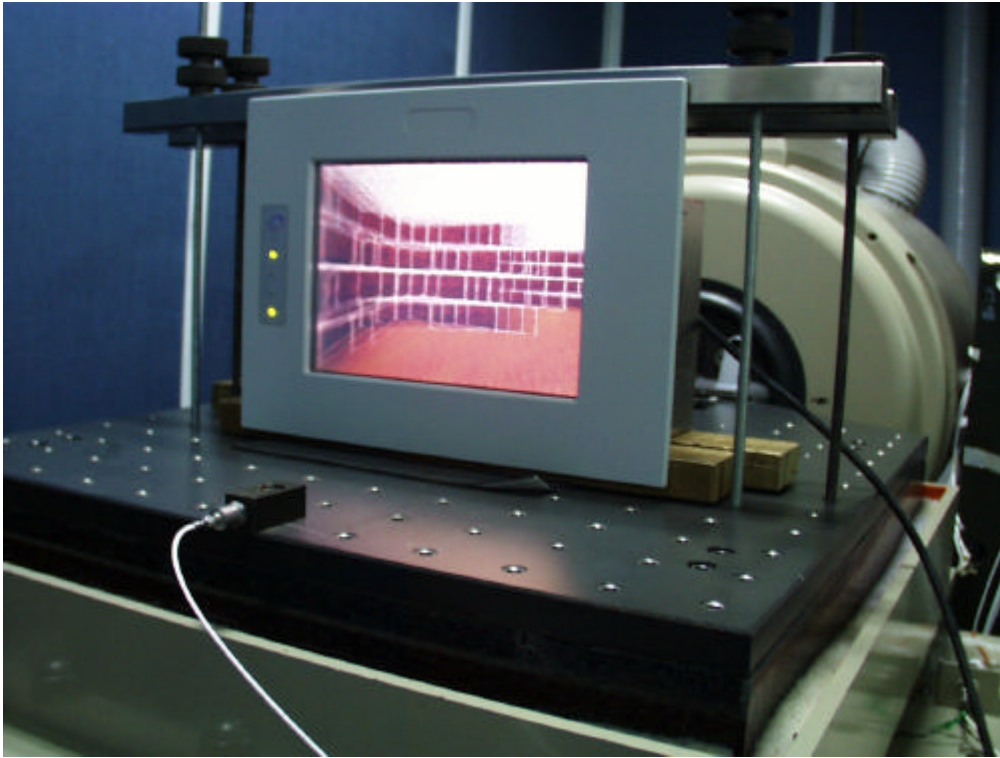
**Passed.**

The AMB-2000 V2.0 Industrial panel PC meets Vibration random 1G operation test.

**Photo I:**

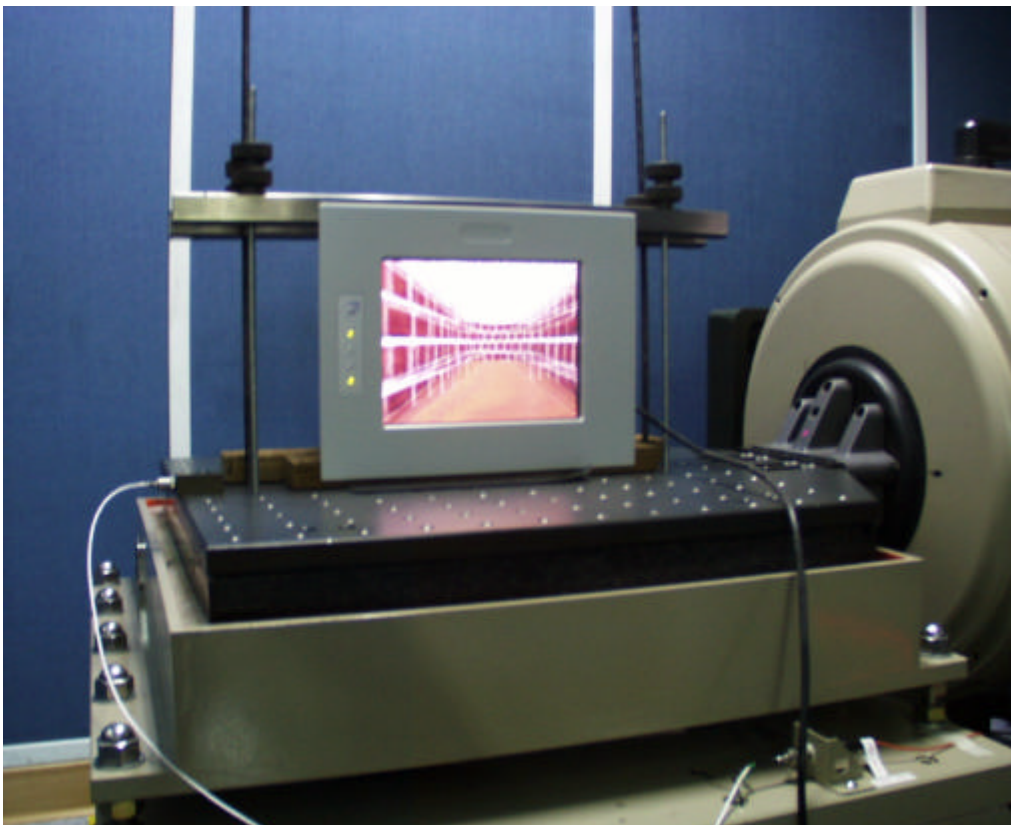
**AMB-2000 V2.0 operation random vibration test for Z-axis**

**Photo I:**



**AMB-2000 V2.0 operation random vibration test for Y-axis**

**Photo I:**



**AMB-2000 V2.0 operation random vibration test for X-axis**

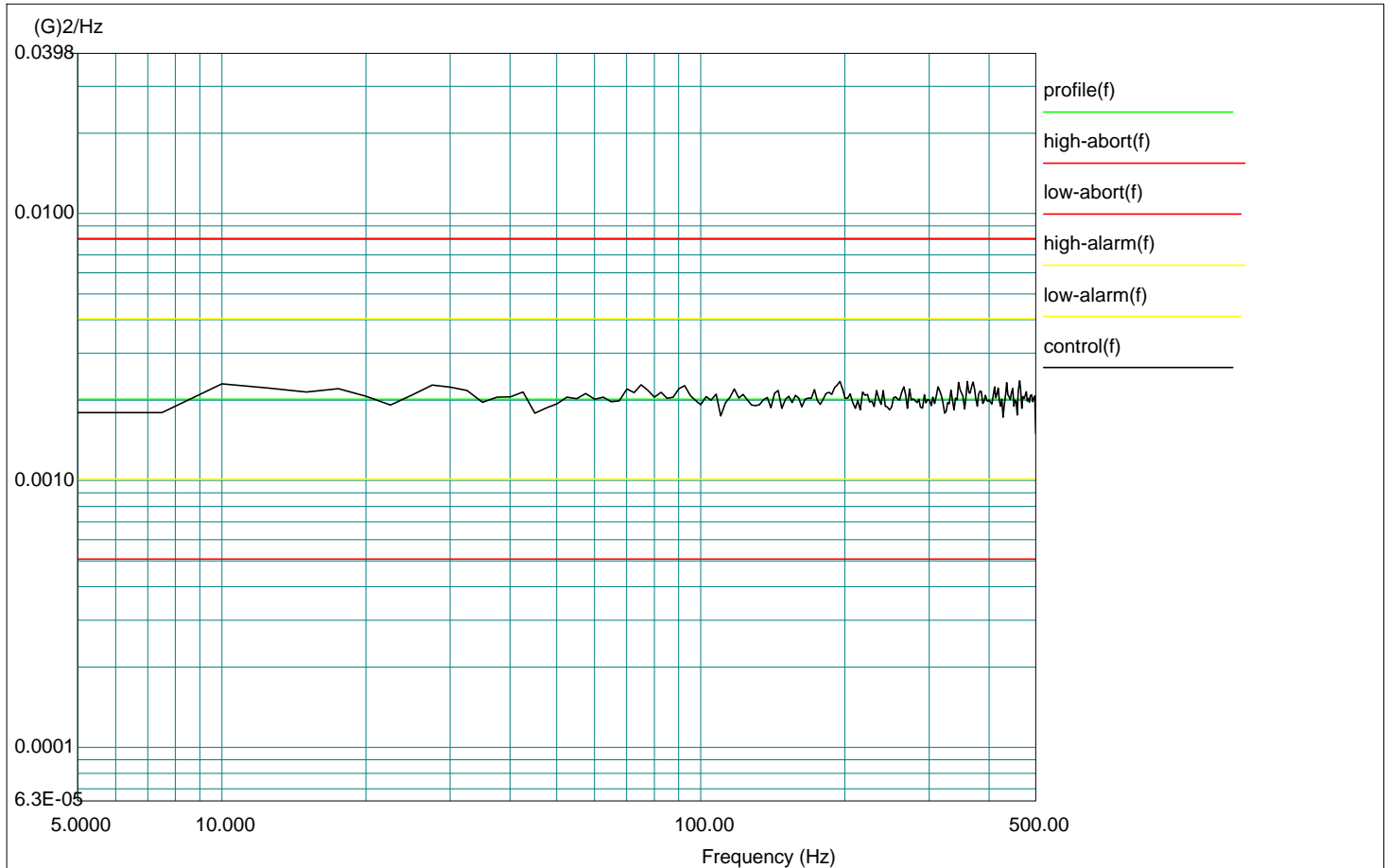
Project File Name: X -Axis

Profile Name: Nav-Mat

Test Type: Random

Run Folder:

.\Run Mar 07,2003 09-28-25



Level: 100 %

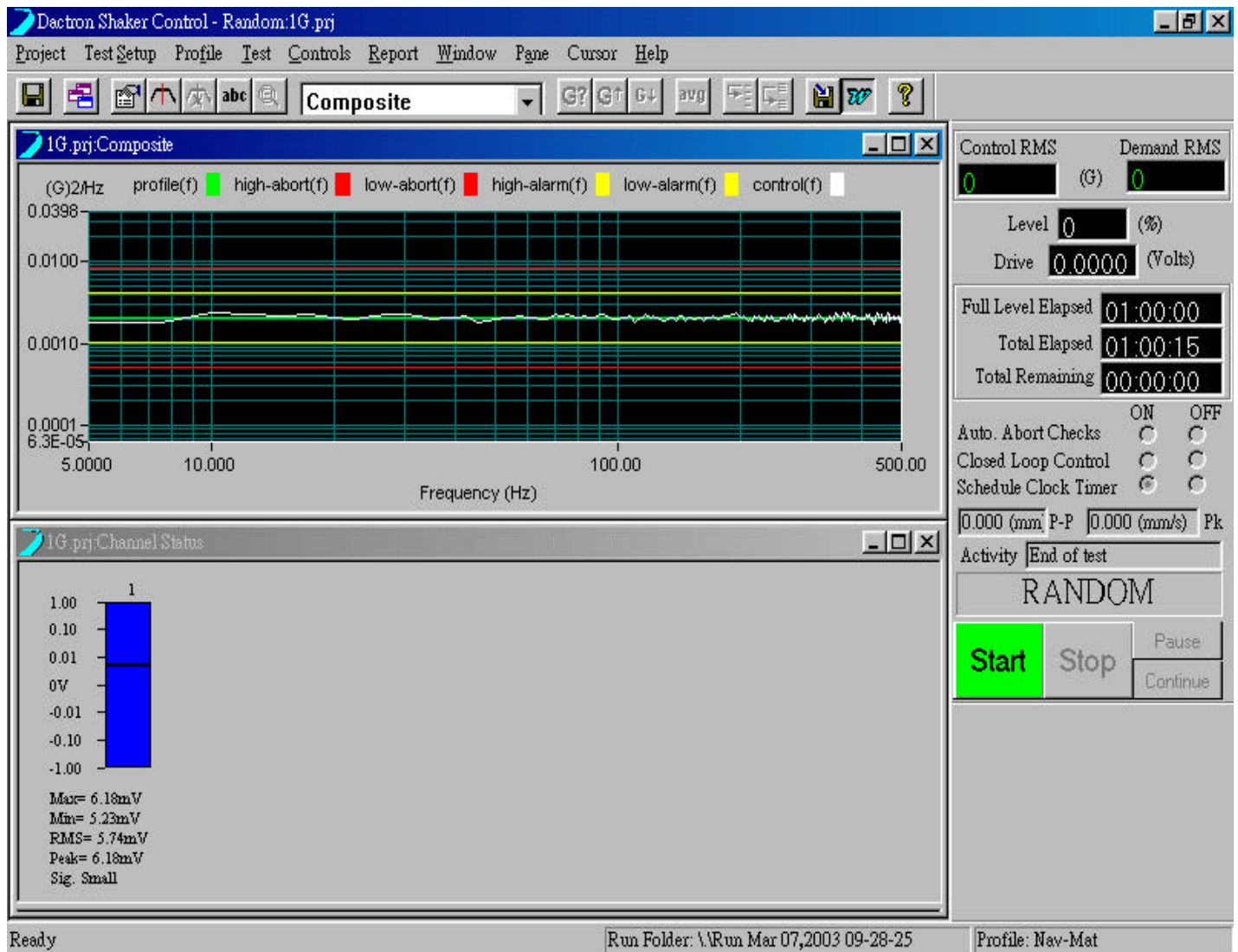
Control RMS: 1.008484 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

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

Data saved at 10:40:29 AM, Friday, March 07, 2003

Report created at 10:40:42 AM, Friday, March 7, 2003

Project File Name: X -Axis



Data saved at 10:40:30 AM, Friday, March 07, 2003

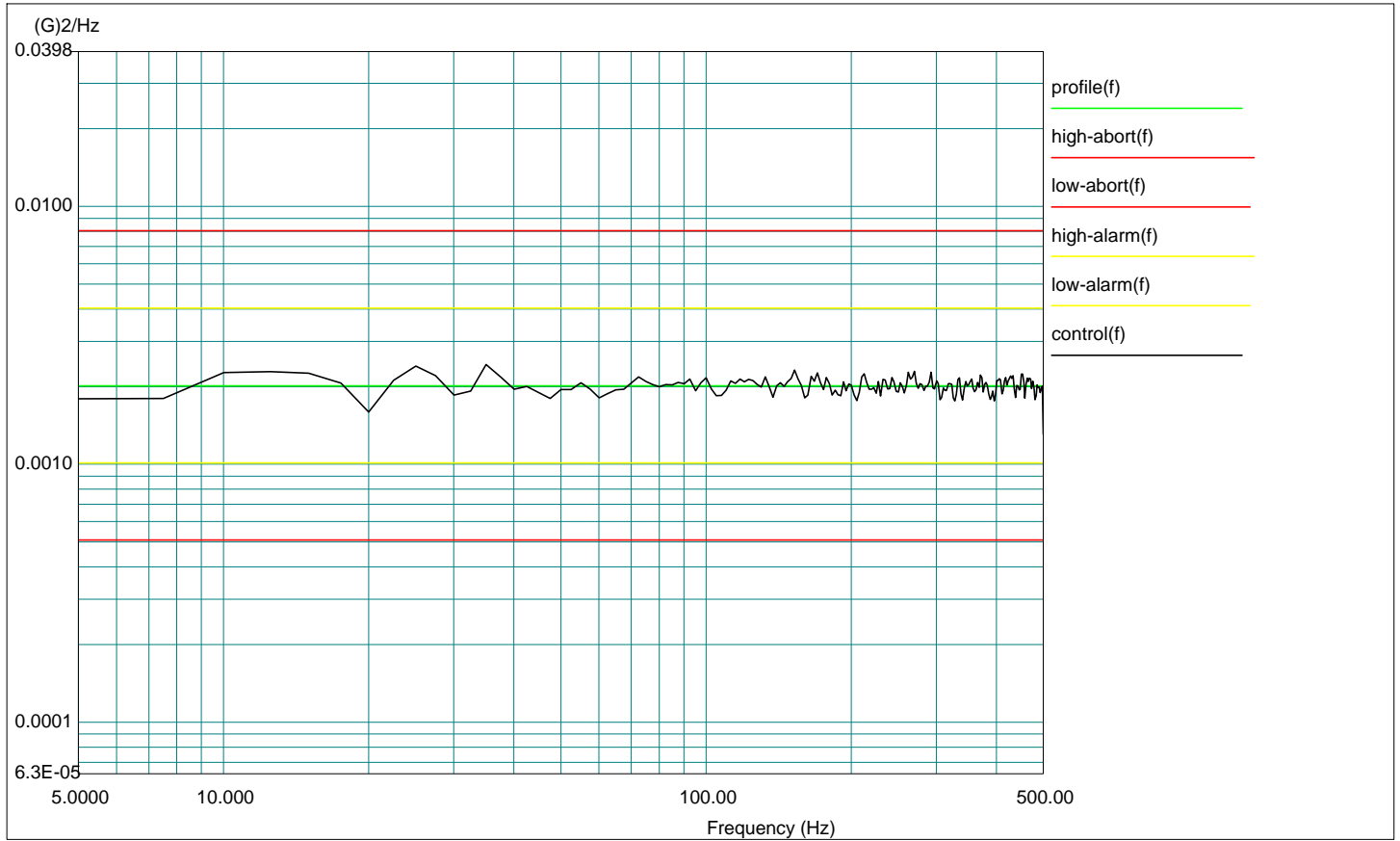
Report created at 10:40:42 AM, Friday, March 7, 2003

Project File Name: Y -Axis

Profile Name: Nav-Mat

Test Type: Random

Run Folder: \Run Mar 06,2003 17-11-32



Level: 100 %

Control RMS: 1.002029 G Full Level Elapsed Time: 00:47:40 Lines: 225 Frame Time: 0.400000 Seconds

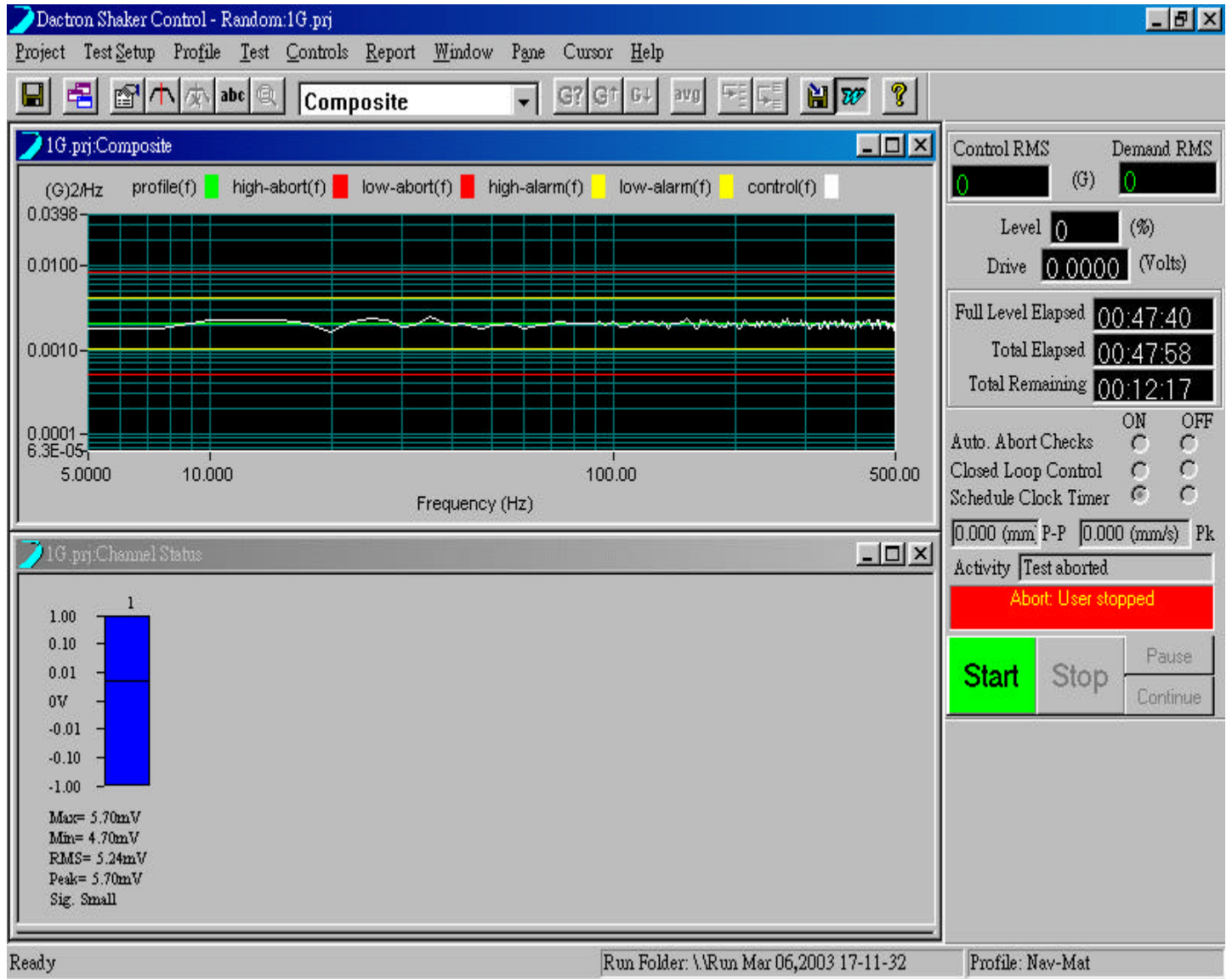
Demand RMS: 1.001343 G Remaining Time: 00:12:17 DOF: 154 dF: 2.500000 Hz

Data saved at 05:59:52 PM, Thursday, March 06, 2003

Report created at 05:59:53 PM, Thursday, March 6, 2003



Project File Name: Y -Axis



Data saved at 05:59:52 PM, Thursday, March 06, 2003

Report created at 05:59:53 PM, Thursday, March 6, 2003

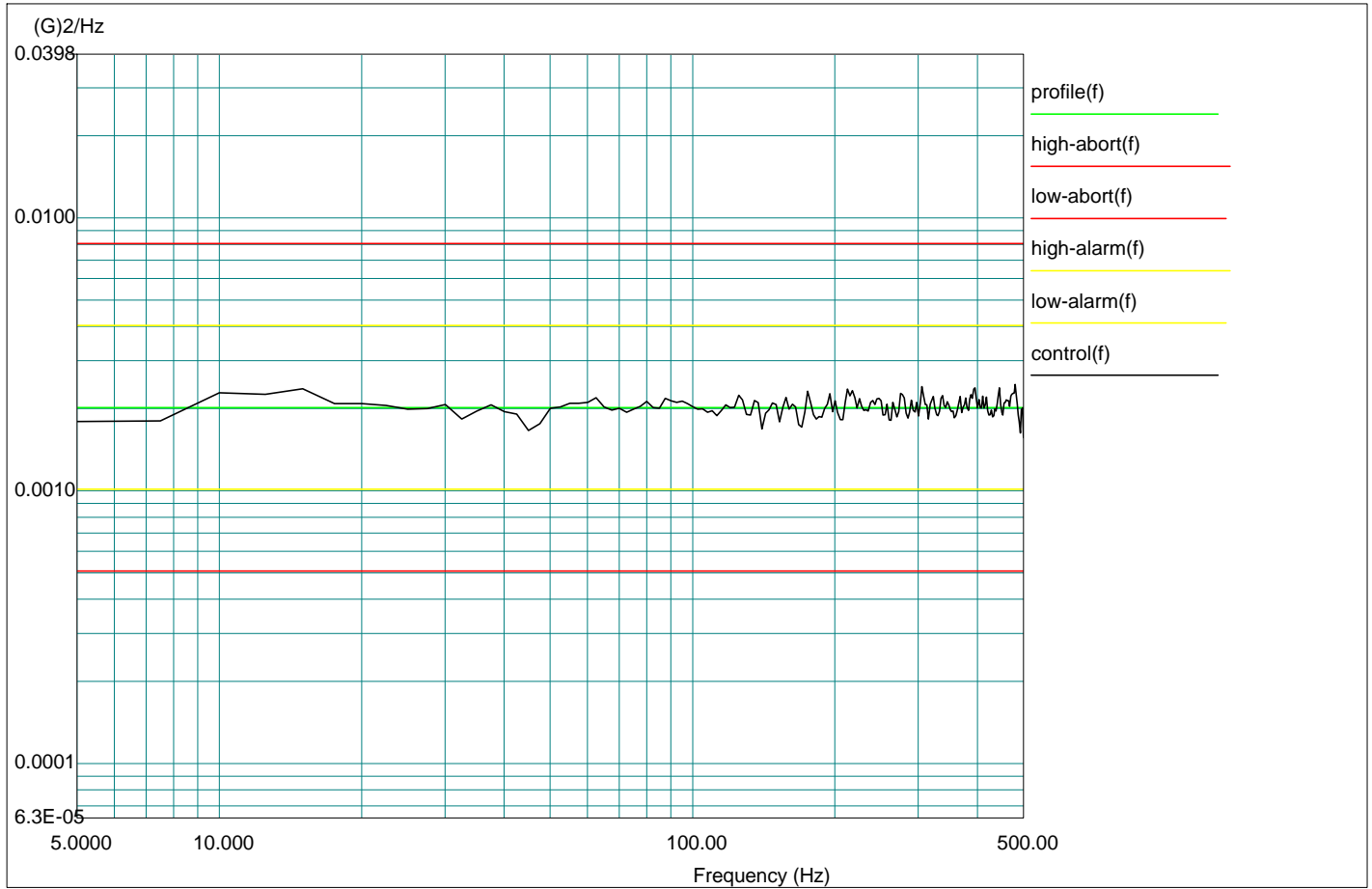


Project File Name: **Z -Axis**

Profile Name: Nav-Mat

Test Type: Random

Run Folder: .\Run Mar 06,2003 15-19-06



Level: 100 %

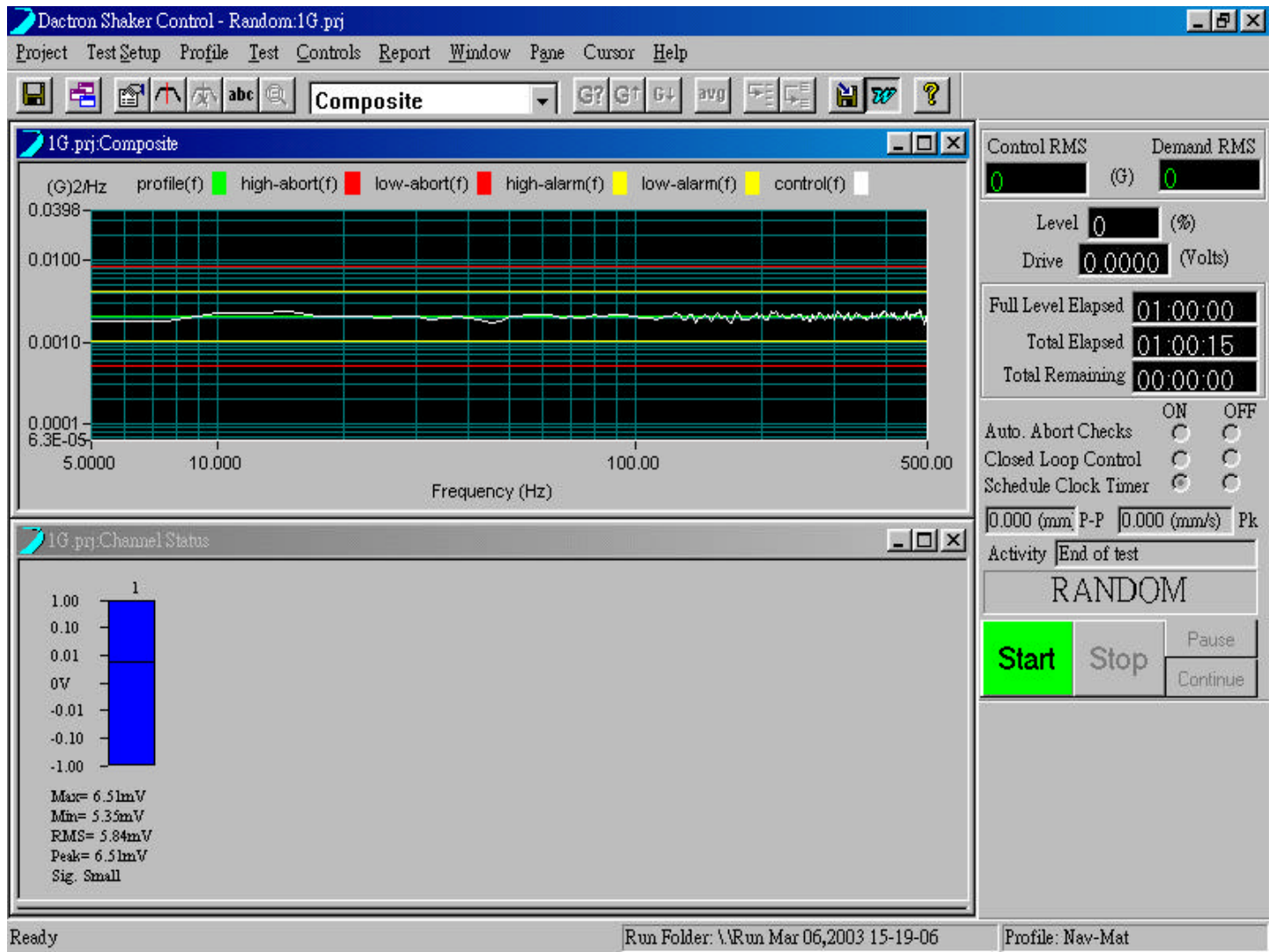
Control RMS: 1.007829 G Full Level Elapsed Time: 01:00:00 Lines: 225 Frame Time: 0.400000 Seconds

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

Data saved at 04:35:01 PM, Thursday, March 06, 2003

Report created at 04:35:13 PM, Thursday, March 6, 2003

Project File Name: **Z -Axis**



Data saved at 04:35:01 PM, Thursday, March 06, 2003  
 Report created at 04:35:14 PM, Thursday, March 6, 2003