

Test Report

Number : TWNH00017787S1

Applicant: AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd.,
Hsin-Tien City, Taipei, Taiwan,
R.O.C

Date : Jun 02, 2010

This is to Supersede
Report No. TWNH00017787
Dated Jun 01, 2010

Sample Description:

One (1) unit of submitted sample said to be:
Item Name : Rugged Tablet Computer
Item No. : RTC-1000AS
Quantity : 1 unit
Date Sample Received: May 26, 2010
Date Test Started : May 27, 2010

Tests Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Test Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	Vibration Test - With reference to ASTM 4169-99 and MIL-STD-810F Method 514.5	See test conducted

Authorized by:
On Behalf of Intertek Testing Services
Taiwan Limited



Paul Yu
Director

Intertek Testing Services Taiwan Ltd.

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Attention is drawn to the terms and conditions printed overleaf.

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Test Conducted

Vibration Test

Test Equipment:

Equipment : Vibration Shaker
Manufacturer : Shinken
Model Number : G-9235
Date of Calibration : Oct. 26, 2009

Equipment : Vibration Shaker
Manufacturer : Shinken
Model Number : G-0220N
Date of Calibration : Oct. 26, 2009

Laboratory Ambiance Condition:

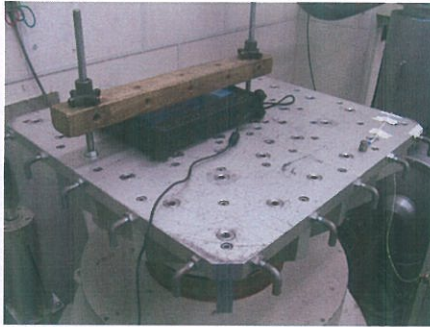
Temperature : 15 ~ 35 °C
Humidity : 25 ~ 75 %RH

Reference Document:

The test was performed with reference to ASTM 4169-99 and MIL-STD-810F Method 514.5.

Peripheral Setup Diagram:

- Sample Size: 1 unit
- Setup Photo:
Test 1



Z axis



Y axis



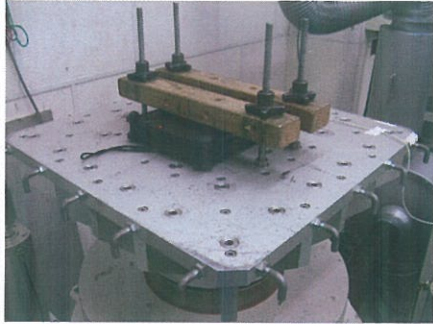
X axis

Number: TWNH00017787S1

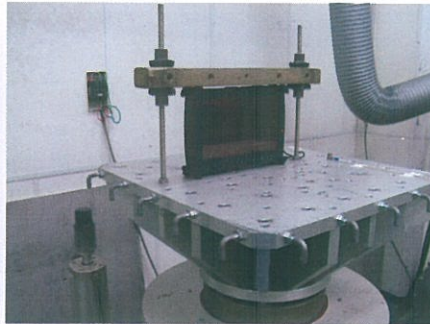
Test Conducted

Vibration Test

Test 2



Z axis

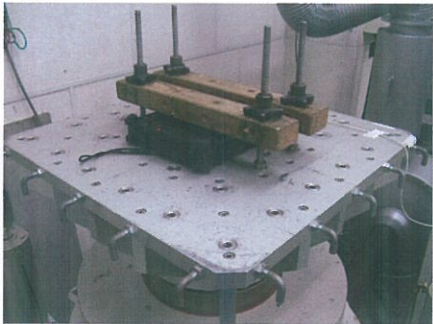


Y axis

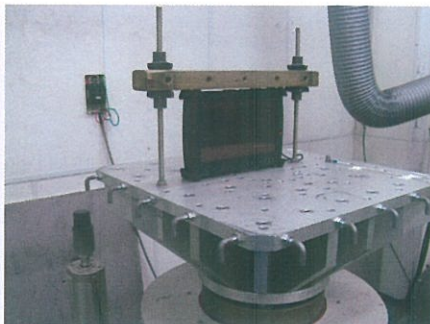


X axis

Test 3



Z axis



Y axis



X axis



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Test Conducted

Vibration Test

Test Condition:

Test 1

- Pulse Shape: Random wave
- Operating (input electrical power to operate during the test)
- Frequency Range: 1 Hz to 200 Hz
- Acceleration: 0.52 Grms
- Duration: 90 minute/axis
- Direction: Z, Y and X axes
- Spectrum:

Frequency (Hz)	PSD (G ² /Hz)
1	0.00005
4	0.01
16	0.01
40	0.001
80	0.001
200	0.00001

Test 2

- Pulse Shape: Sine wave
- Non operation test
- Frequency Range: 5 Hz to 500 Hz
- Duration: 30 minute/axis
- Direction: Z, Y and X axes
- Spectrum:

Frequency (Hz)	Displacement (mm)	Acceleration (G)
5	5.1	-
14	5.1	2
33	0.91	2
51.2	0.91	-
500	-	5

Test Conducted

Vibration Test

Test 3

- Pulse Shape: Random wave
- Non operation test
- Frequency Range: 20 Hz to 2000 Hz
- Acceleration: 7.69 Grms
- Duration: 60 minute/axis
- Direction: Z, Y and X axes
- Spectrum:

Frequency (Hz)	PSD (G ² /Hz)	Slope (dB/Oct)
20	0.04	-
1000	0.04	-
2000	-	-6

Test Procedure:

- Check the sample's appearance before the test.
- Install the sample on testing table and set up testing condition.
- After testing, take off sample from table putting in the storage area.
- Observe the sample and record for any visible change after testing.

Summary:

- No visible damage was found after the test.
- Functional electrical test is performed by the applicant per applicant's request.



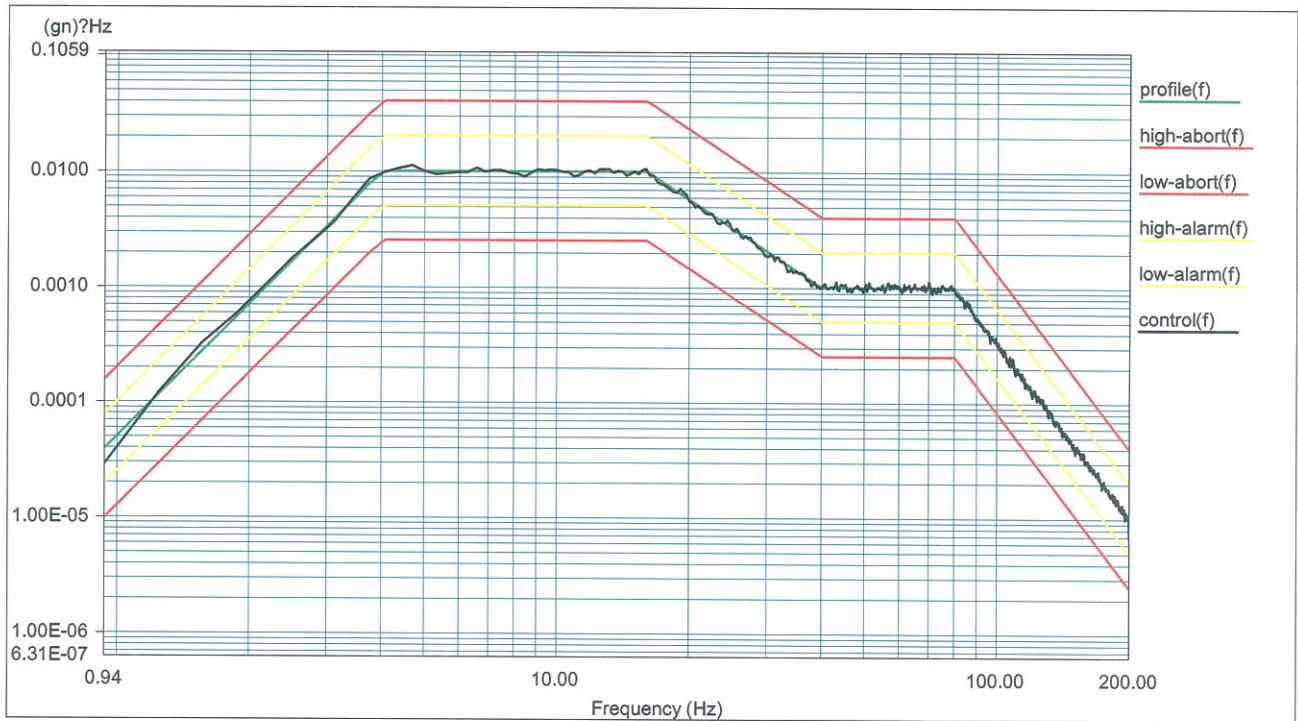
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Test Conducted

Vibration Test

-Test profile:
Test 1
Z axis



Level:100 %
Control RMS:0.514529 gn
Full Level Elapsed Time:01:29:58
Lines:800
Frame Time:3.200000 Seconds
Demand RMS:0.515759 gn
Remaining Time:00:00:00
DOF:300
dF:0.312500 Hz
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Report created at 10:49:52 AM, Thursday, May 27, 2010



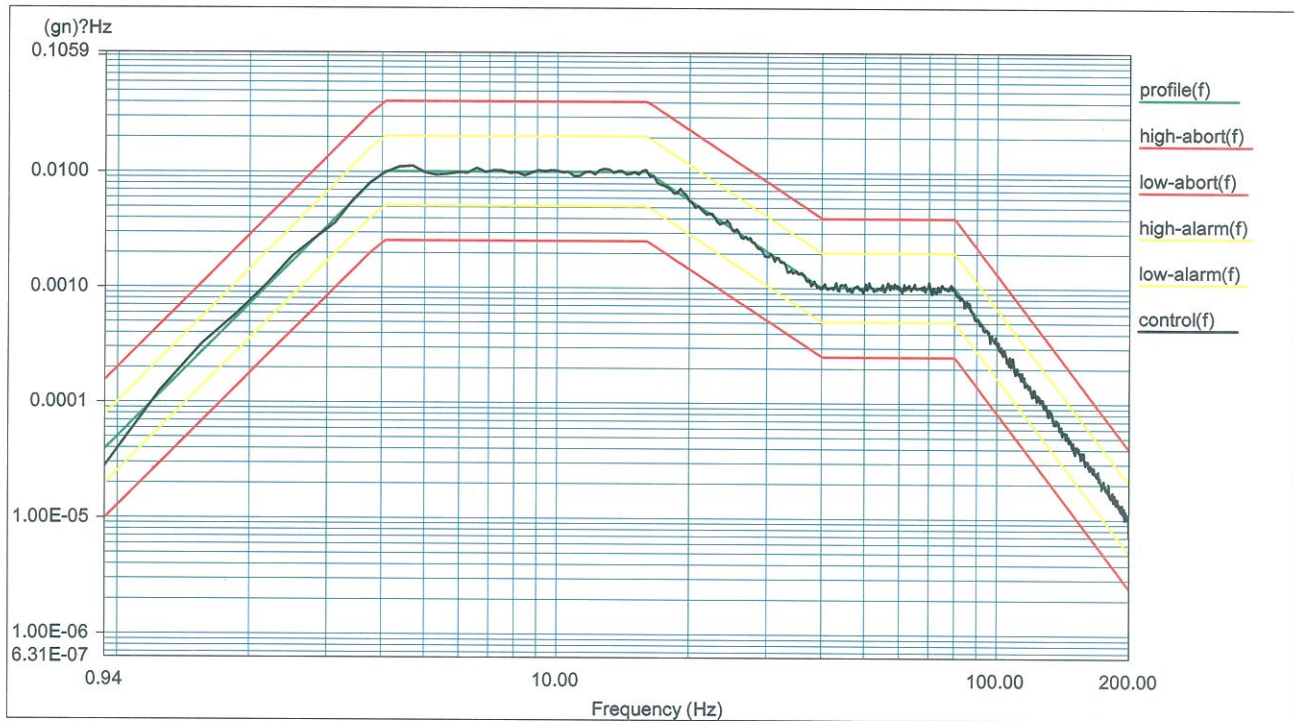
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Test Conducted

Vibration Test

-Test profile:
Test 1
Y axis



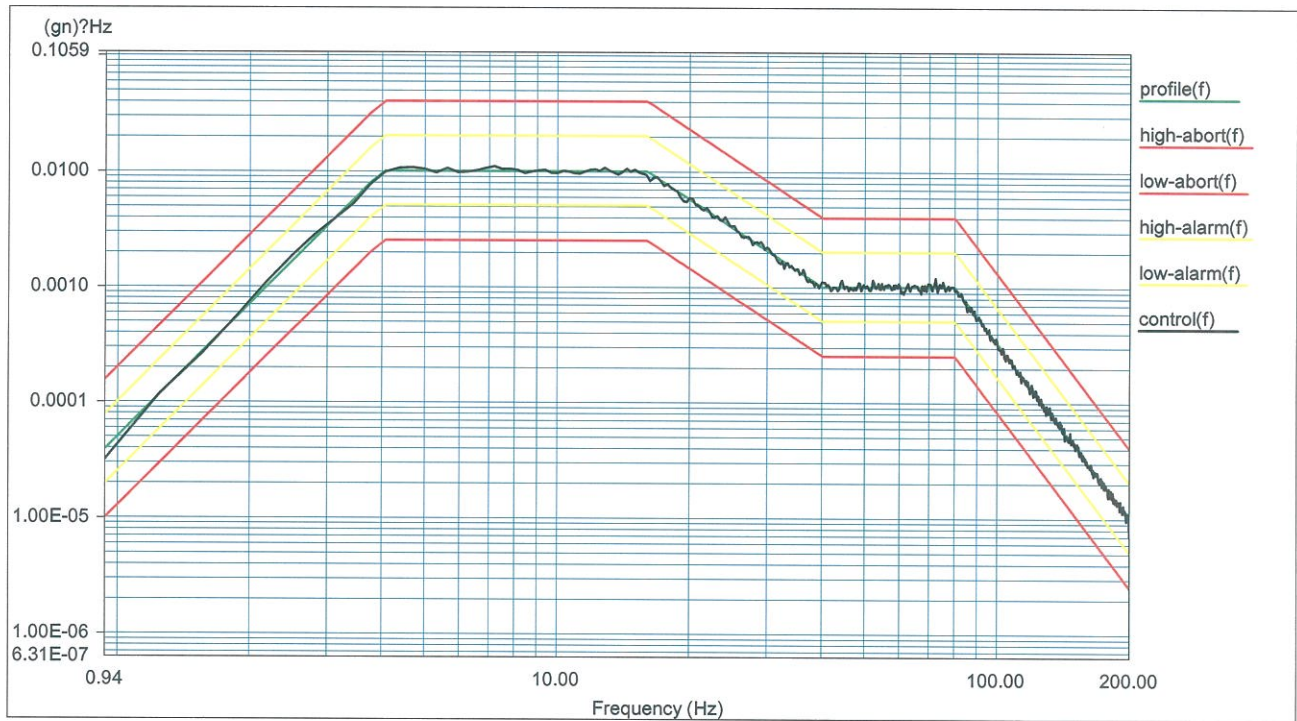
Level:100 %
Control RMS:0.514600 gn
Full Level Elapsed Time:01:29:58
Lines:800
Frame Time:3.200000 Seconds
Demand RMS:0.515759 gn
Remaining Time:00:00:00
DOF:300
dF:0.312500 Hz
Data saved at 12:56:50 PM, Thursday, May 27, 2010
Report created at 12:57:05 PM, Thursday, May 27, 2010

Number: TWNH00017787S1

Test Conducted

Vibration Test

-Test profile:
Test 1
X axis



Level:100 %
Control RMS:0.516921 gn
Full Level Elapsed Time:01:29:58
Lines:800
Frame Time:3.200000 Seconds
Demand RMS:0.515759 gn
Remaining Time:00:00:00
DOF:300
dF:0.312500 Hz

Data saved at 03:05:04 PM, Thursday, May 27, 2010
Report created at 03:05:07 PM, Thursday, May 27, 2010



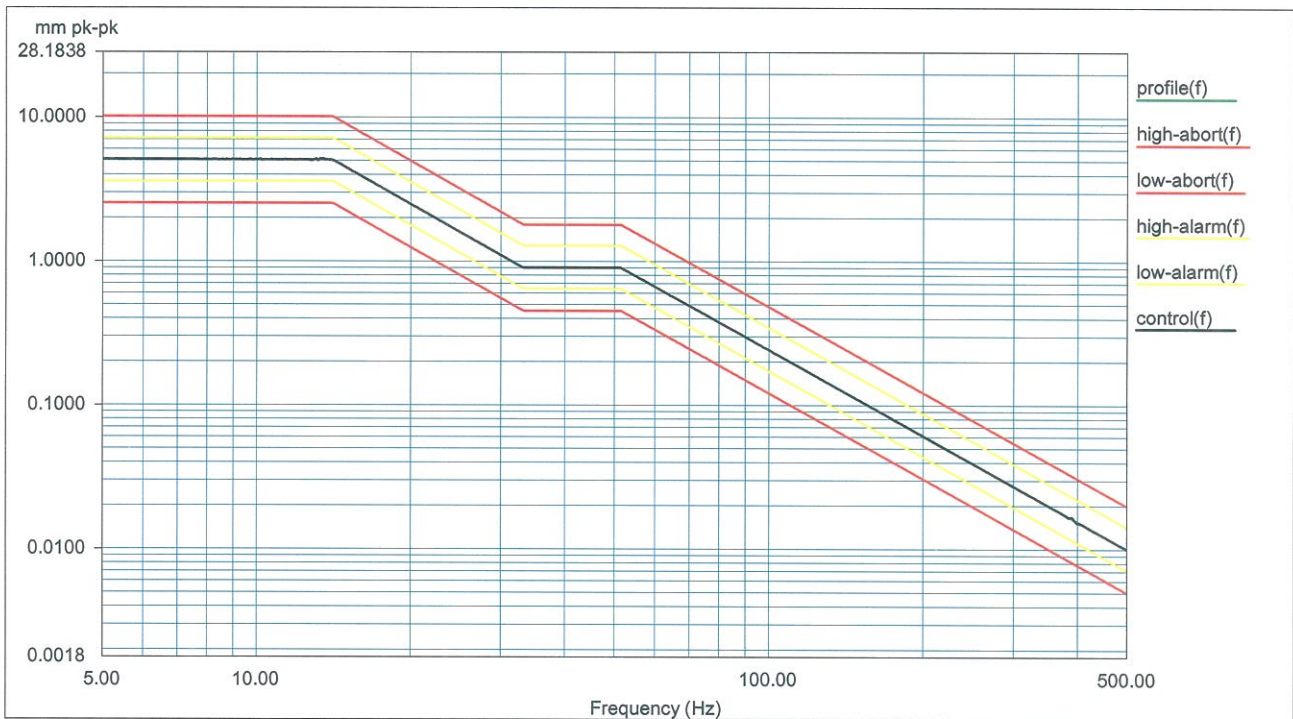
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Test Conducted

Vibration Test

-Test profile:
Test 2
Z axis



Level:100 %
Control Peak:0.257866 gn
Full Level Time:00:30:00
Sweep Type: Logarithmic
Frequency:5.005914 Hz
Demand Peak:0.256637 gn
Time Remaining:00:00:00
Sweep Rate:0.886 Oct/Min
Data saved at 04:02:24 PM, Thursday, May 27, 2010
Report created at 04:02:25 PM, Thursday, May 27, 2010



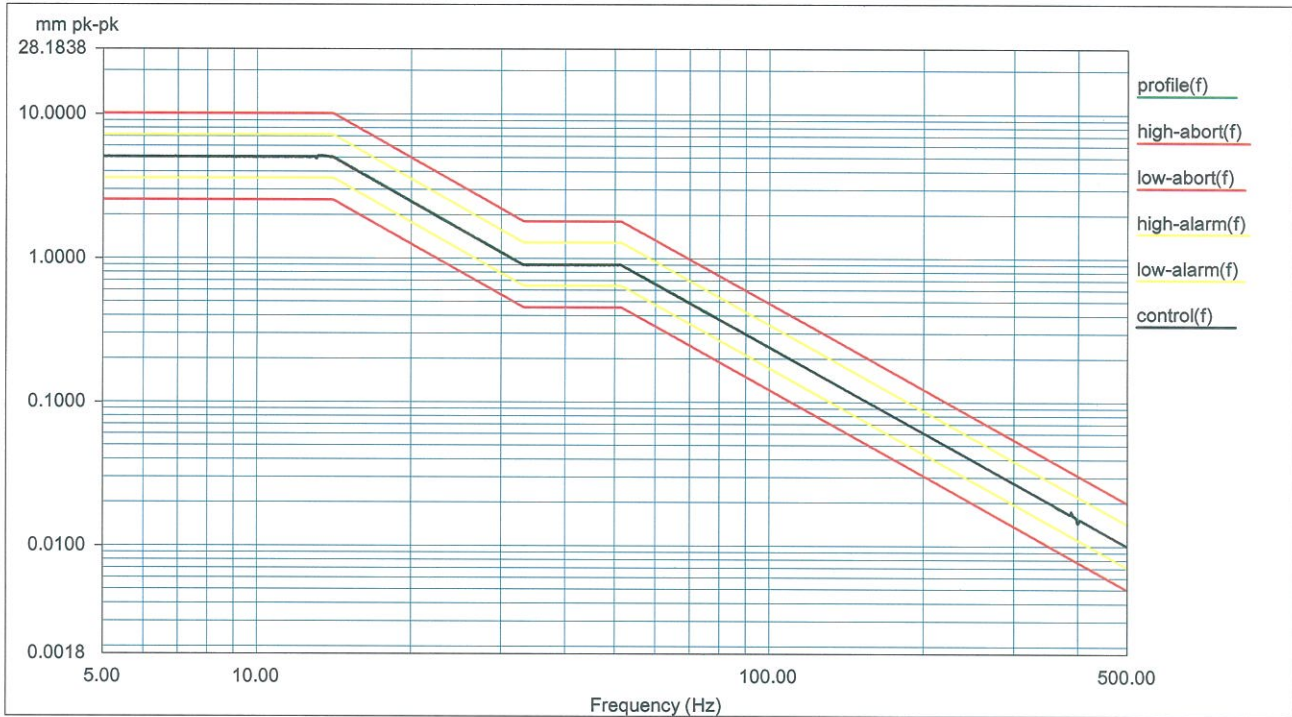
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Test Conducted

Vibration Test

-Test profile:
Test 2
Y axis



Level:100 %
Control Peak:0.255986 gn
Full Level Time:00:30:00
Sweep Type: Logarithmic
Frequency:5.005914 Hz
Demand Peak:0.256637 gn
Time Remaining:00:00:00
Sweep Rate:0.886 Oct/Min
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Report created at 05:09:35 PM, Thursday, May 27, 2010



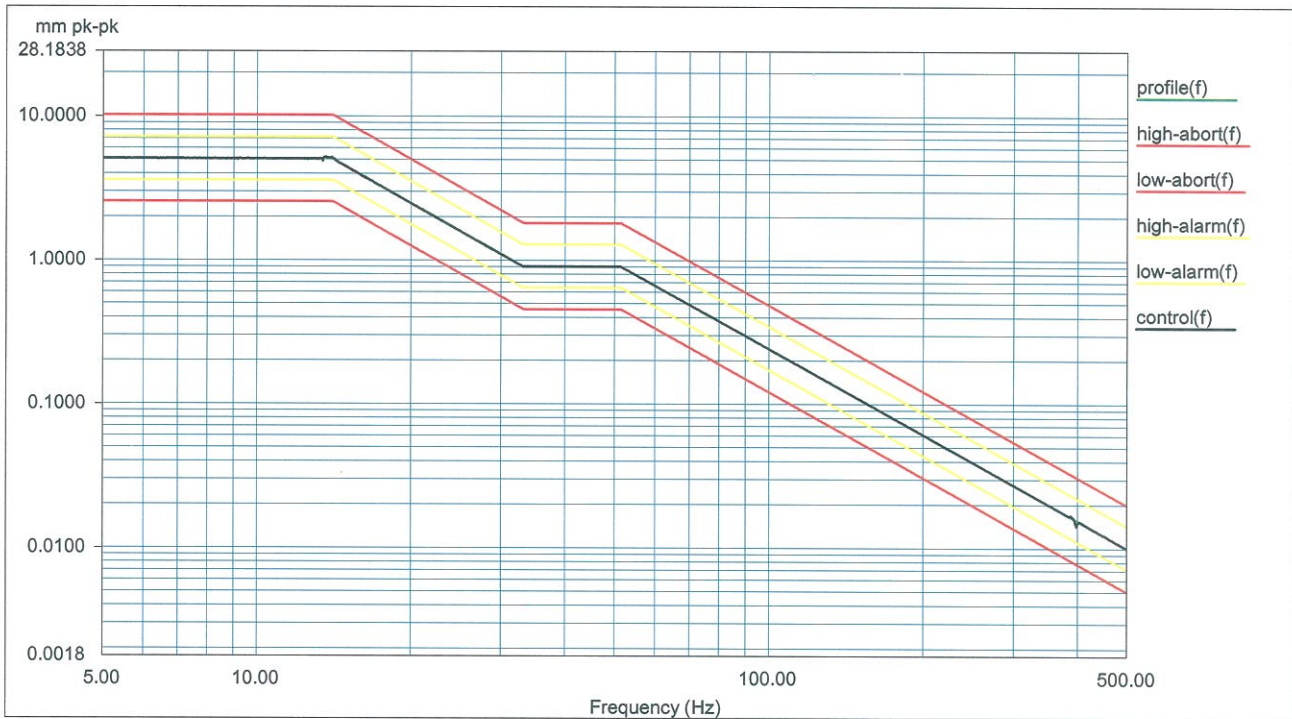
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Test Conducted

Vibration Test

-Test profile:
 Test 2
 X axis



Level:100 %
 Control Peak:0.257342 gn
 Full Level Time:00:30:00
 Sweep Type: Logarithmic
 Frequency:5.003180 Hz
 Demand Peak:0.256637 gn
 Time Remaining:00:00:00
 Sweep Rate:0.886 Oct/Min
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 Report created at 04:37:25 PM, Thursday, May 27, 2010



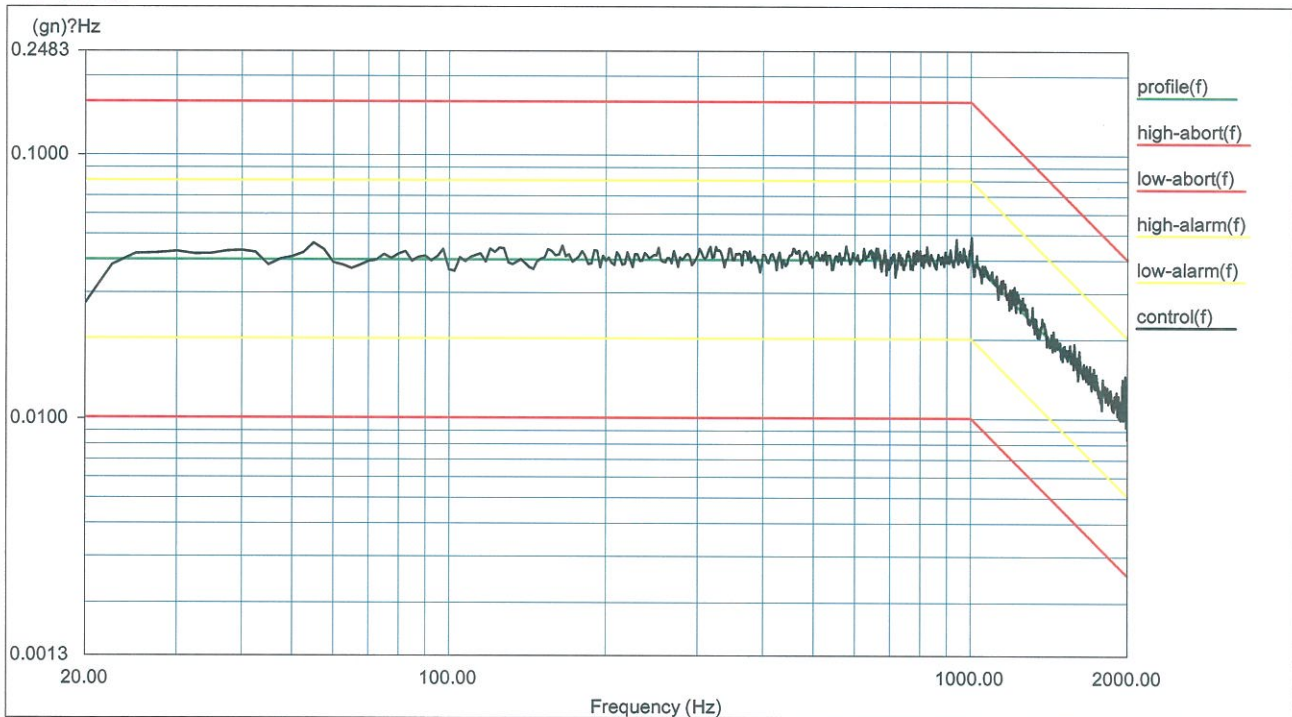
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Vibration Test

-Test profile:
Test 3
Z axis



Level:100 %
Control RMS:7.805436 gn
Full Level Elapsed Time:01:00:00
Lines:800
Frame Time:0.400000 Seconds
Demand RMS:7.699163 gn
Remaining Time:00:00:00
DOF:300
dF:2.500000 Hz
Data saved at 04:09:26 PM, Friday, May 28, 2010
Report created at 04:09:32 PM, Friday, May 28, 2010



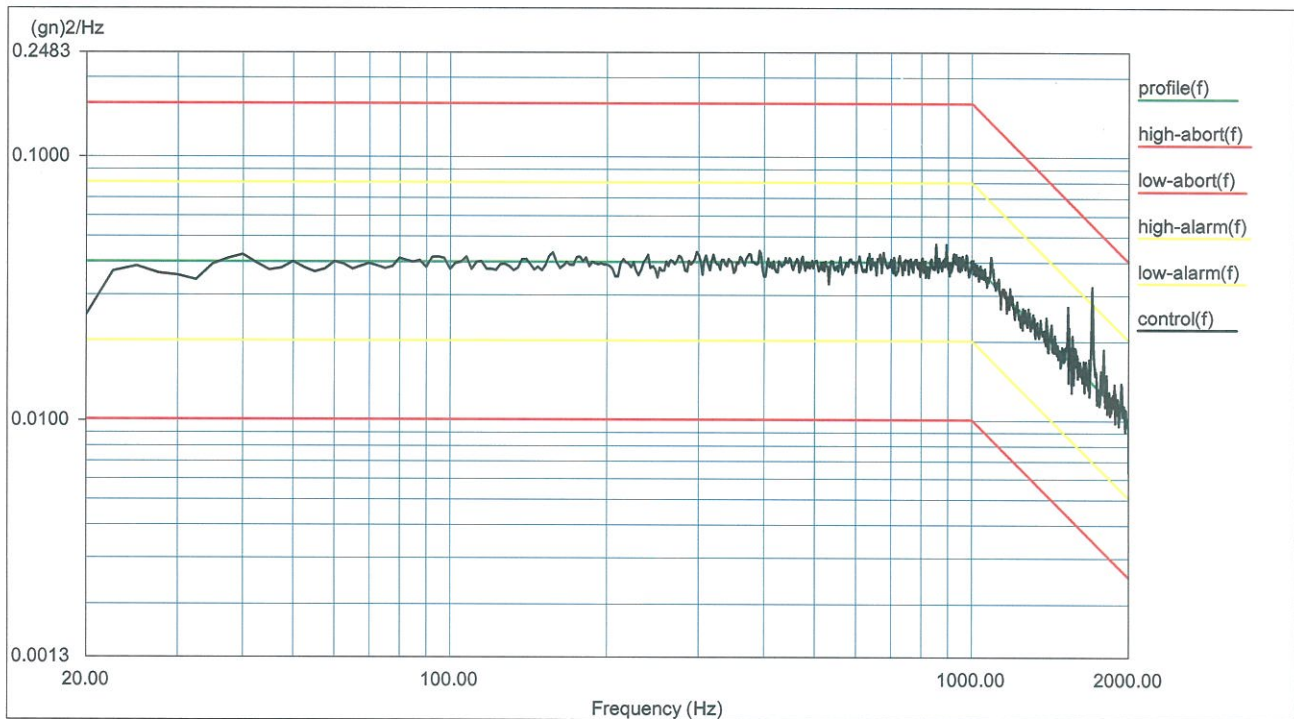
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Test Conducted

Vibration Test

-Test profile:
Test 3
Y axis



Level:100 %
Control RMS:7.691715 gn
Full Level Elapsed Time:01:00:00
Lines:800
Frame Time:0.400000 Seconds
Demand RMS:7.699163 gn
Remaining Time:00:00:00
DOF:300
dF:2.500000 Hz
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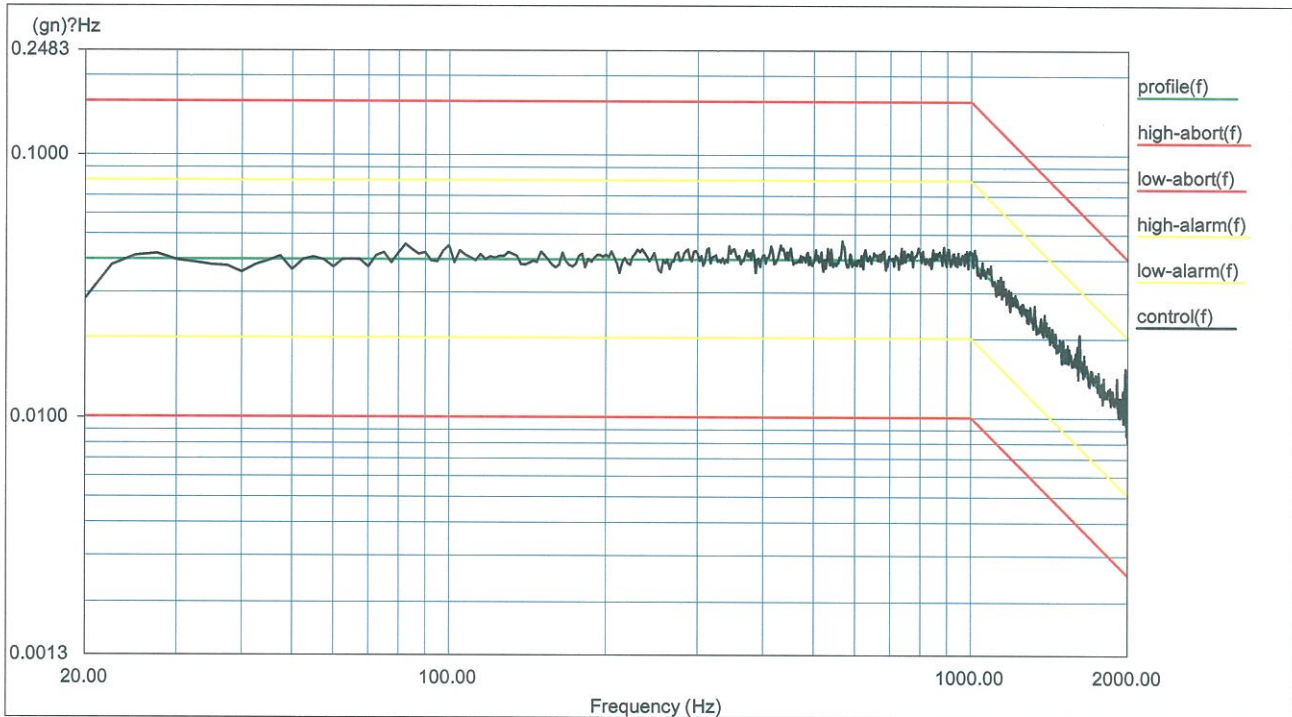
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Test Conducted

Vibration Test

-Test profile:
 Test 3
 X axis



Level:100 %
 Control RMS:7.815464 gn
 Full Level Elapsed Time:01:00:02
 Lines:800
 Frame Time:0.400000 Seconds
 Demand RMS:7.699163 gn
 Remaining Time:00:00:00
 DOF:300
 dF:2.500000 Hz

Data saved at 06:30:53 PM, Thursday, May 27, 2010
 Report created at 06:30:54 PM, Thursday, May 27, 2010

End of report