Test Report Number : TWNH00021902

Applicant: Geovision Inc. Date : Jun 21, 2011
9F, No.246, Sec.1, Neihu Rd.,
Neihu District, Taipei City,
Taiwan, R.O.C.

Sample Description:
Two (2) units of submitted samples said to be:

Item Name	: (A) Compact DVR 8 CH 1Bays Anti Vibration
	(B) Compact DVR 8 CH 2Bays Anti Vibration
Item No.	: (A) GV-LX8CV1
	(B) GV-LX8CV2
Quantity	: 2 units
Date Sample Received	: Jun 10, 2011
Date Test Started	: Jun 10, 2011

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Tests Conducted:
As requested by the applicant, for details please refer to attached pages.
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Conclusion:

Test Sample	Standard	Result
Submitted Samples	Mechanical Shock Test - With reference to IEC 60068-2-27 tests Ea	See test conducted
	Vibration Test - With reference to IEC60068-2-64 test Fh	See test conducted

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Authorized by:
On Behalf of Intertek Testing Services
Taiwan Limited

Paul Yu
Director

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Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

Tested Sample: Sample 1 and Sample 2

Test Equipment:

Equipment	: Vibration Shaker
Manufacturer	: Shinken
Model Number	: G9235
Date of Calibration	: Oct. 20, 2010

Laboratory Ambiance Condition:

Temperature : 15 ~ 35 ℃
Humidity : 25 ~ 75 %RH

Reference Document:

The test was performed with reference to IEC60068-2-27 test Ea.

Peripheral Setup Diagram:

-Sample Size: 2 units
-Setup Photo:


±Y Axis


±X Axis


±Z Axis

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Test Conducted

1. Mechanical Shock Test

Test Condition:

-Operating: Input electrical power to operate during the test.
-Pulse Shape: Half-Sine Wave
-Acceleration: 10 G
-Pulse Duration: 2 ms
-Test Face:

Test face	Shock times
+Y Axis	3
-Y Axis	3
+X Axis	3
-X Axis	3
+Z Axis	3
-Z Axis	3

Test Procedure:

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

Summary:

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

****

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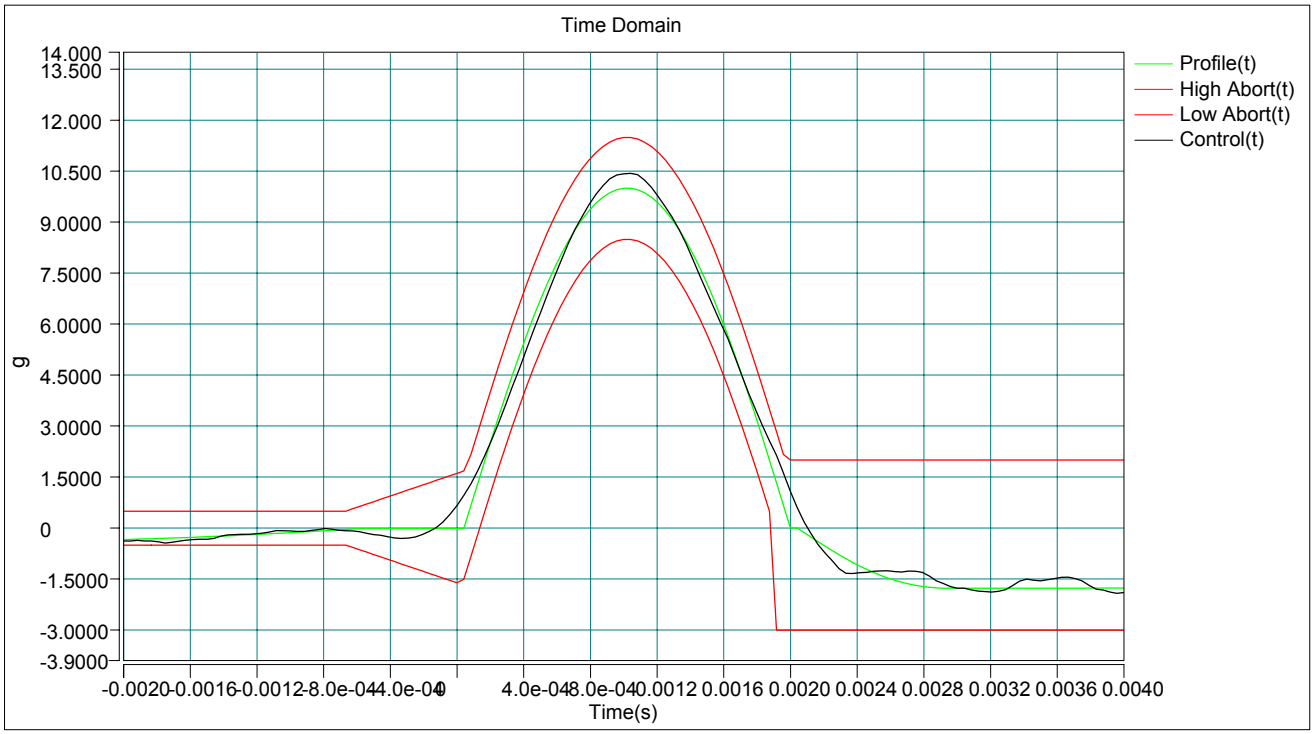
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
+Y Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:9.509010 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:5
Output pulses:13
Remain pulses:5
Data was saved as a file at time:2011-6-10 PM 04:18:57
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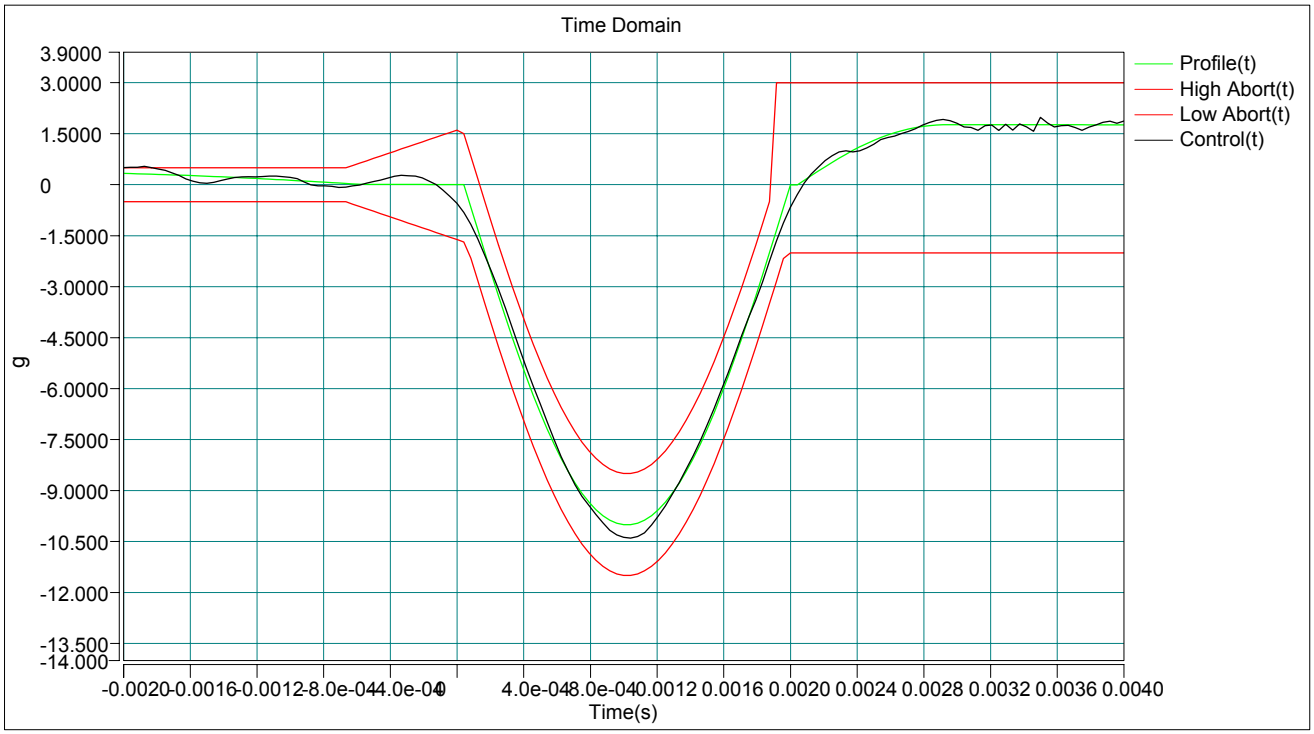
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
-Y Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:9.459983 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:10
Output pulses:18
Remain pulses:0
Data was saved as a file at time:2011-6-10 PM 04:19:09
****

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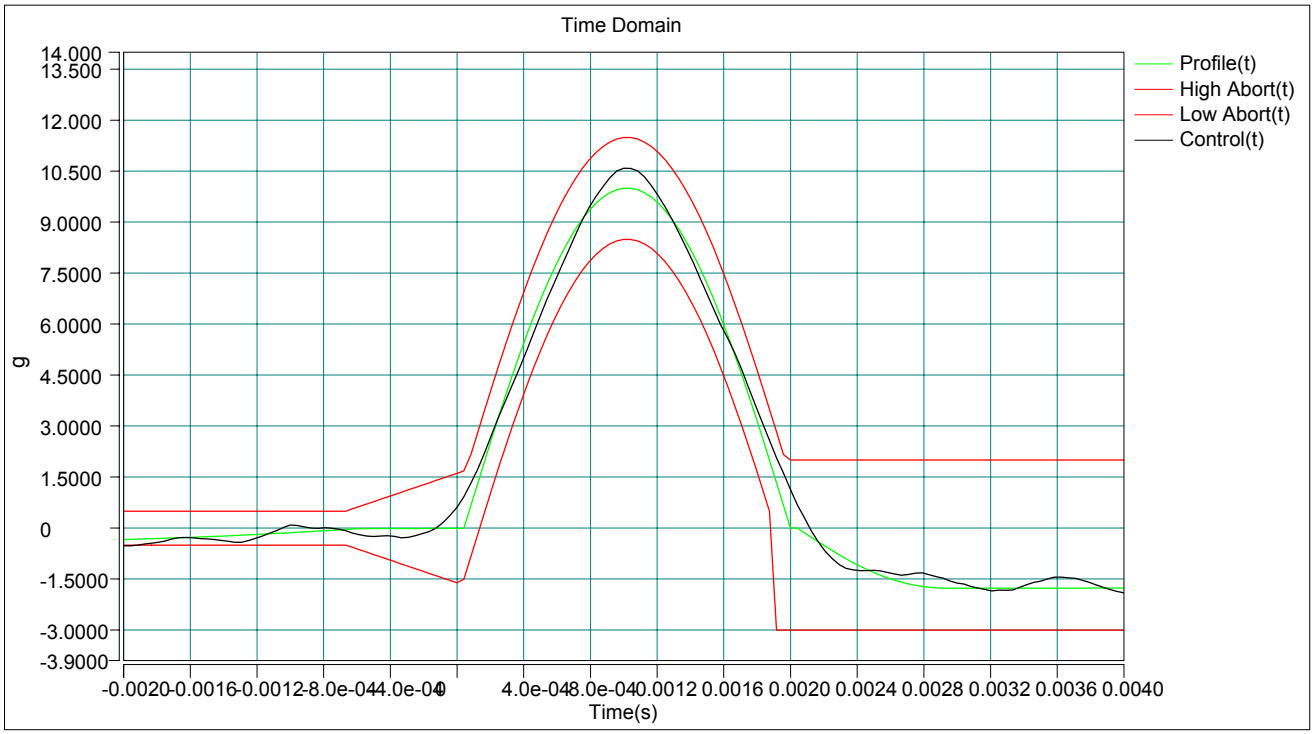
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
+X Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:9.572693 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:5
Output pulses:12
Remain pulses:5
Data was saved as a file at time:2011-6-10 PM 05:07:48
****

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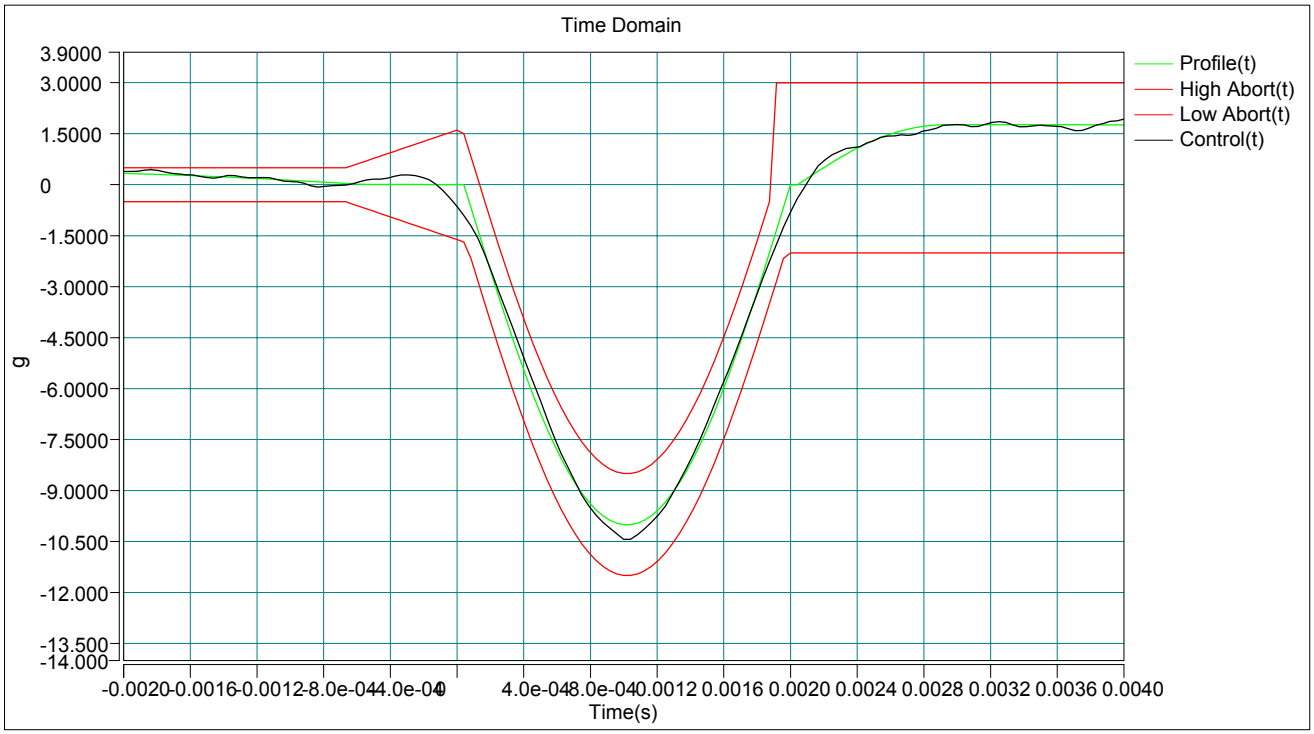
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
-X Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:9.614268 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:10
Output pulses:17
Remain pulses:0
Data was saved as a file at time:2011-6-10 PM 05:08:00
****

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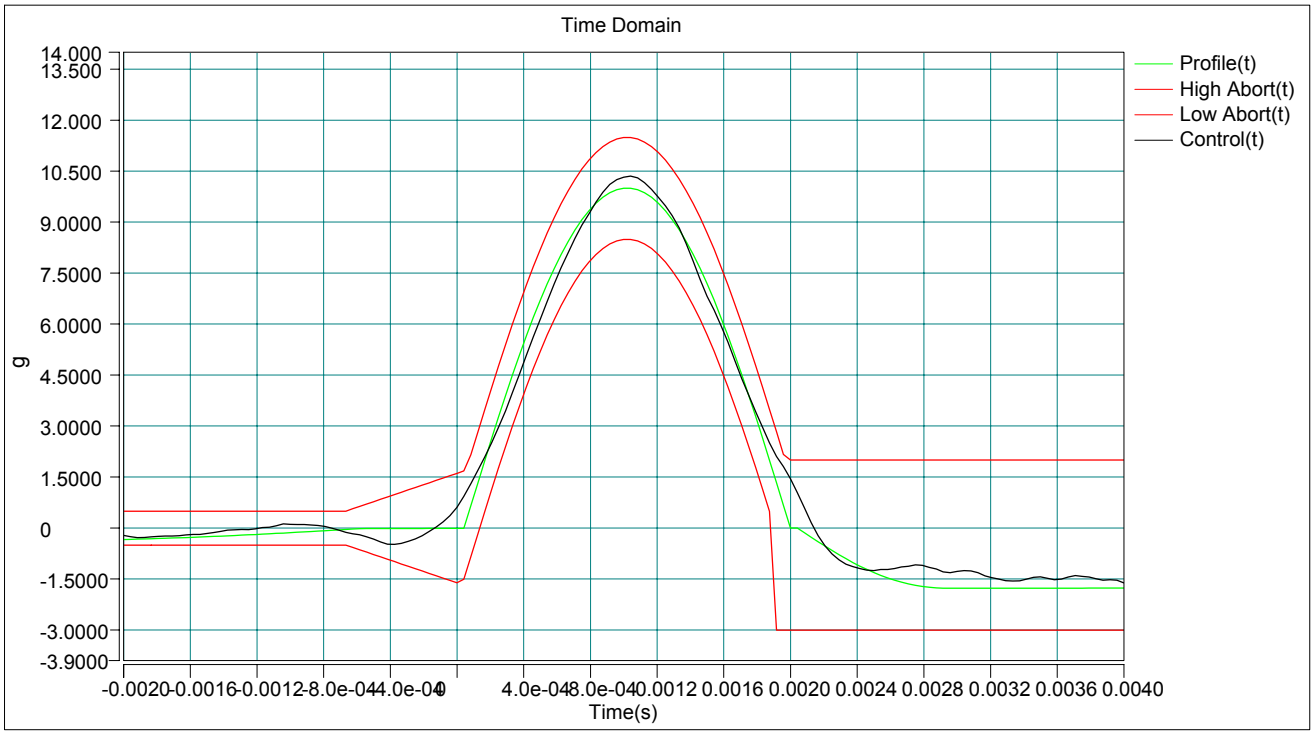
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
+Z Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:10.357556 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:5
Output pulses:13
Remain pulses:5
Data was saved as a file at time:2011-6-10 PM 06:22:02
****

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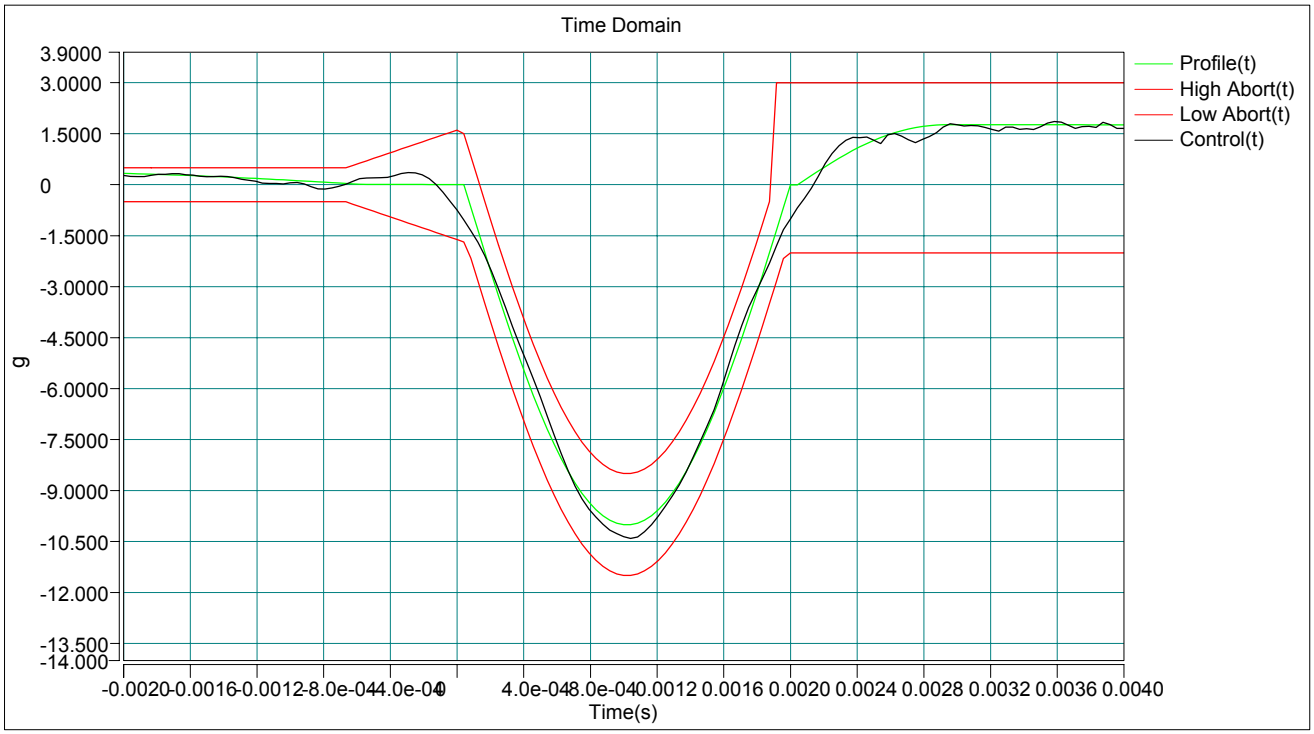
Number: TWNH00021902

Test Conducted

1. Mechanical Shock Test

-Test Profile:
-Z Axis



Shock Type:Half Sine
Amplitude:10.000000 g
Pulse Duration:2.000000 ms
Current level:100 %
Demand peak:10.000000 g
Control peak:10.405160 g
Block Size:4096
Frame Time:0.170667 s
dT:0.000042 s
Tested pulses:10
Output pulses:18
Remain pulses:0
Data was saved as a file at time:2011-6-10 PM 06:22:14
****

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Test Conducted

2. Vibration Test

Tested Sample: Sample 1 and Sample 2

Test Equipment:

Equipment	: Vibration Shaker
Manufacturer	: Shinken
Model Number	: G-9235
Date of Calibration	: Oct. 20, 2010

Laboratory Ambiance Condition:

Temperature	: 15 ~ 35 ℃
Humidity	: 25 ~ 75 %RH

Reference Document:
The test was performed with reference to IEC60068-2-64 test Fh.

Peripheral Setup Diagram:
-Sample Size: 2 units
-Setup Photo:


Y Axis


X Axis


Z Axis

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Test Conducted

2. Vibration Test

Test Condition:

-Pulse Shape: Random wave
-Operating(input electrical power to operate during the test)
-Frequency Range: 5 Hz to 500 Hz
-Acceleration: 1.0 Grms
-Duration: 30 minute/axis
-Direction: Y, X and Z axes

Test Procedure:

-Check the samples' appearance before the test.
-Install the samples on testing table and set up testing condition.
-After testing, take off samples from table putting in the storage area.
-Observe the samples 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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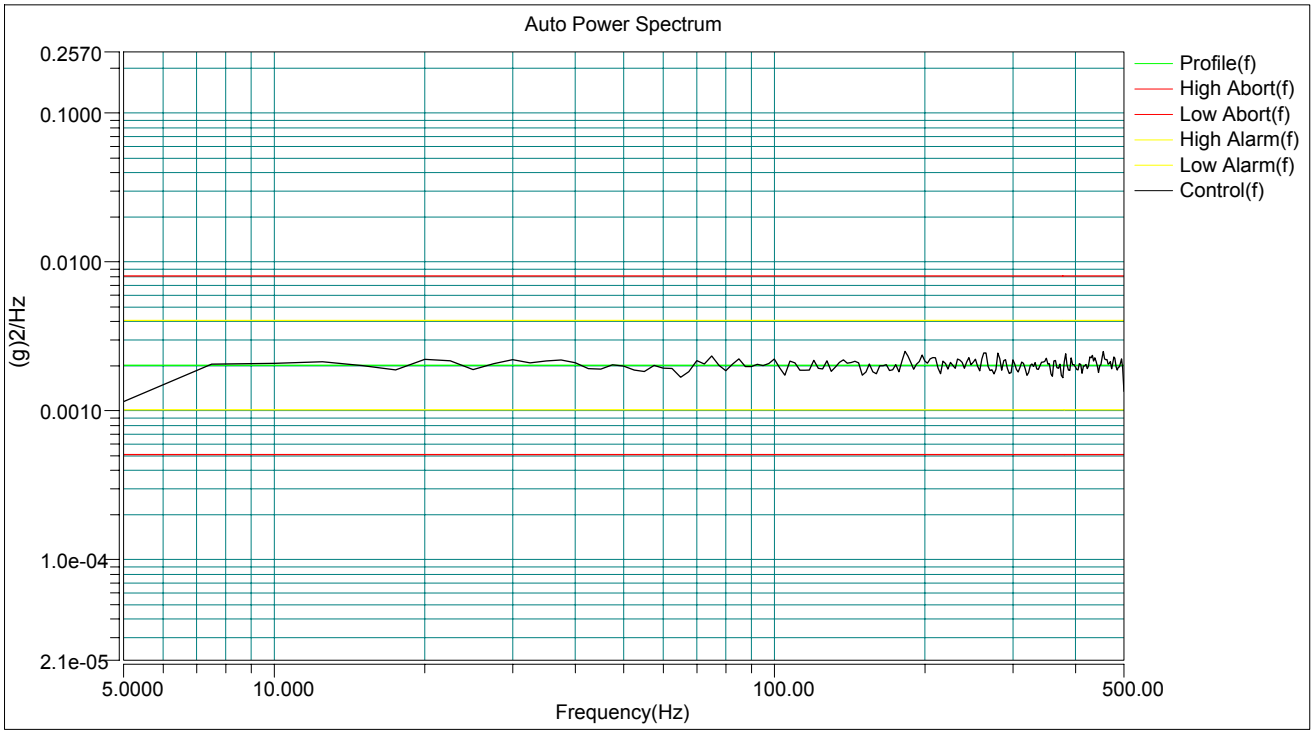
Test Conducted

2. Vibration Test

-Test profile:
Y Axis



Current Level:100 %
Demand RMS:1.00003 g
Control RMS:1.01265 g
Frame Time:0.400000 (s)
Lines:800
dF:2.500000 Hz
DOF:150
Test Elapsed:00:30:10
Remaining Time:00:00:00
Data was saved as a file at time:2011-6-10 PM 04:01:11
****

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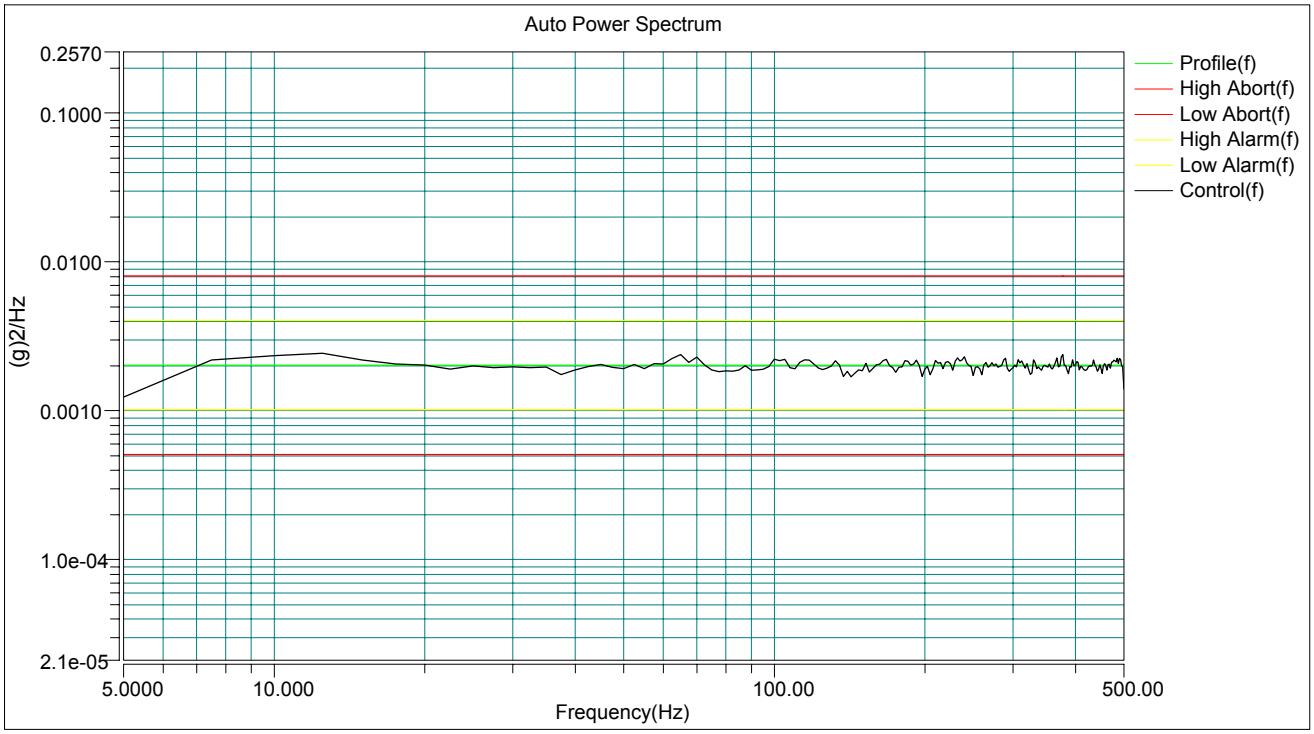
Test Conducted

2. Vibration Test

-Test profile:
X Axis



Current Level:100 %
Demand RMS:1.00002 g
Control RMS:1.00414 g
Frame Time:0.400000 (s)
Lines:800
dF:2.500000 Hz
DOF:150
Test Elapsed:00:30:10
Remaining Time:00:00:00
Data was saved as a file at time:2011-6-10 PM 05:01:02
****

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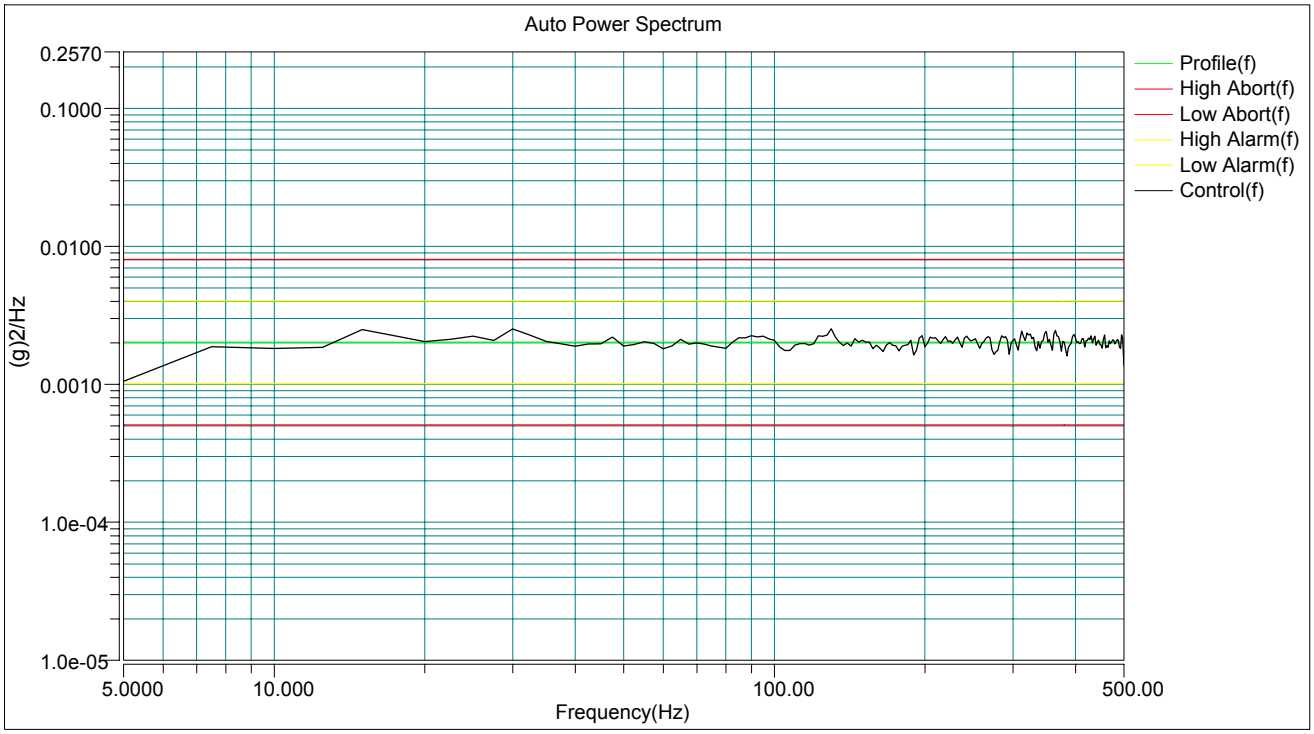
Test Conducted

2. Vibration Test

-Test profile:
Z Axis



Current Level:100 %
Demand RMS:1.00002 g
Control RMS:1.01052 g
Frame Time:0.400000 (s)
Lines:800
dF:2.500000 Hz
DOF:150
Test Elapsed:00:30:10
Remaining Time:00:00:00
Data was saved as a file at time:2011-6-10 PM 06:15:22
****

End of report

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