



Test Report

Number : TWNH00021080

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

Date : Mar 28, 2011

Sample Description:

One (1) unit of submitted sample said to be:

Item Name : H.264 Compact DVR 4CH Anti Vibration

Item No. : GV-LX4C3V

Quantity : 1 unit

Date Sample Received: Mar 23, 2011

Date Test Started : Mar 24, 2011

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	See test
	- With reference to	conducted
	IEC60068-2-64 test Fh	
	Mechanical Shock Test	See test
	- With reference to	conducted
	IEC 60068-2-27 tests Ea	

Authorized by:

On Behalf of Intertek Testing Services
Taiwan Limited



Paul Yu
Director

Test Conducted

1. Vibration Test

Test Equipment:

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

Laboratory Ambiance Condition:

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

Reference Document:

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

Peripheral Setup Diagram:

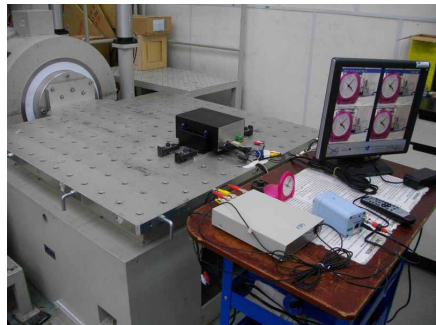
- Sample Size: 1 unit
- Setup Photo:



Z axis



X axis



Y axis



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Test Conducted

1. 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: Z, X and Y axes

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.

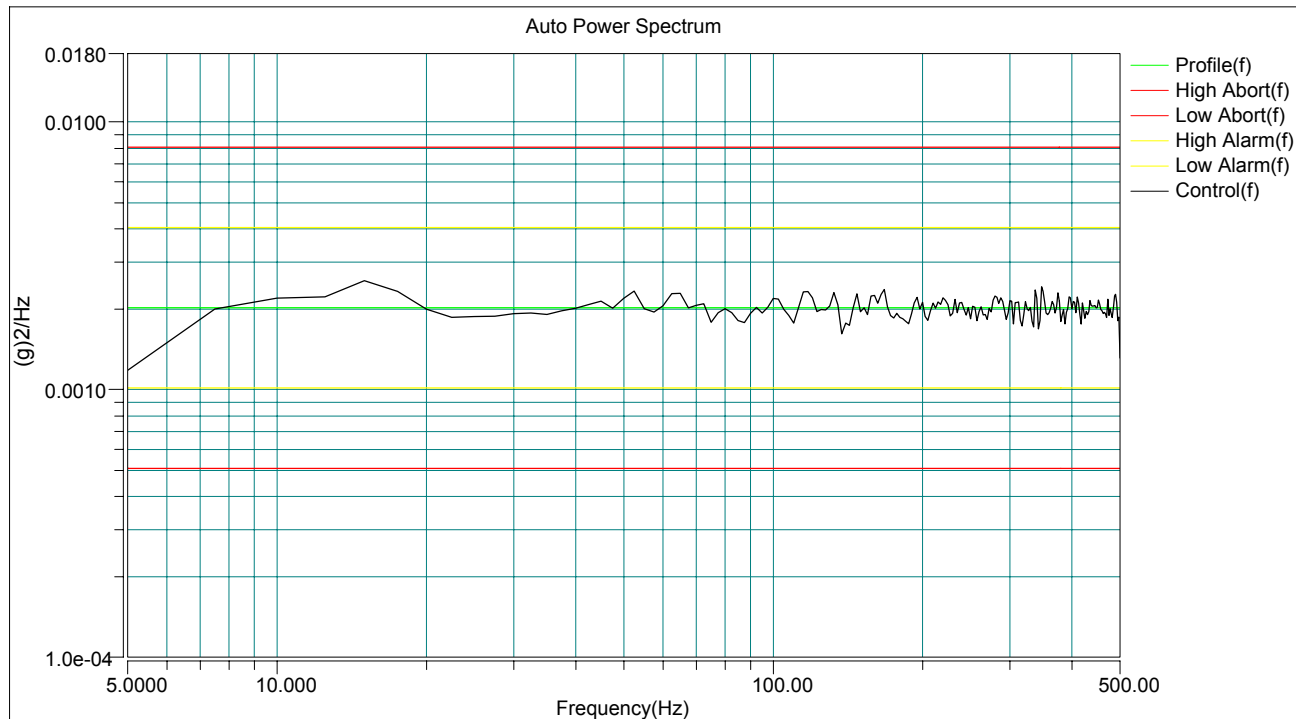
Summary:

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

Test Conducted

1. Vibration Test

-Test profile:
Z axis



Current Level:100 %
Demand RMS:0.999951 g
Control RMS:1.00542 g
Frame Time:0.400000 (s)
Lines:800
dF:2.500000 Hz
DOF:150

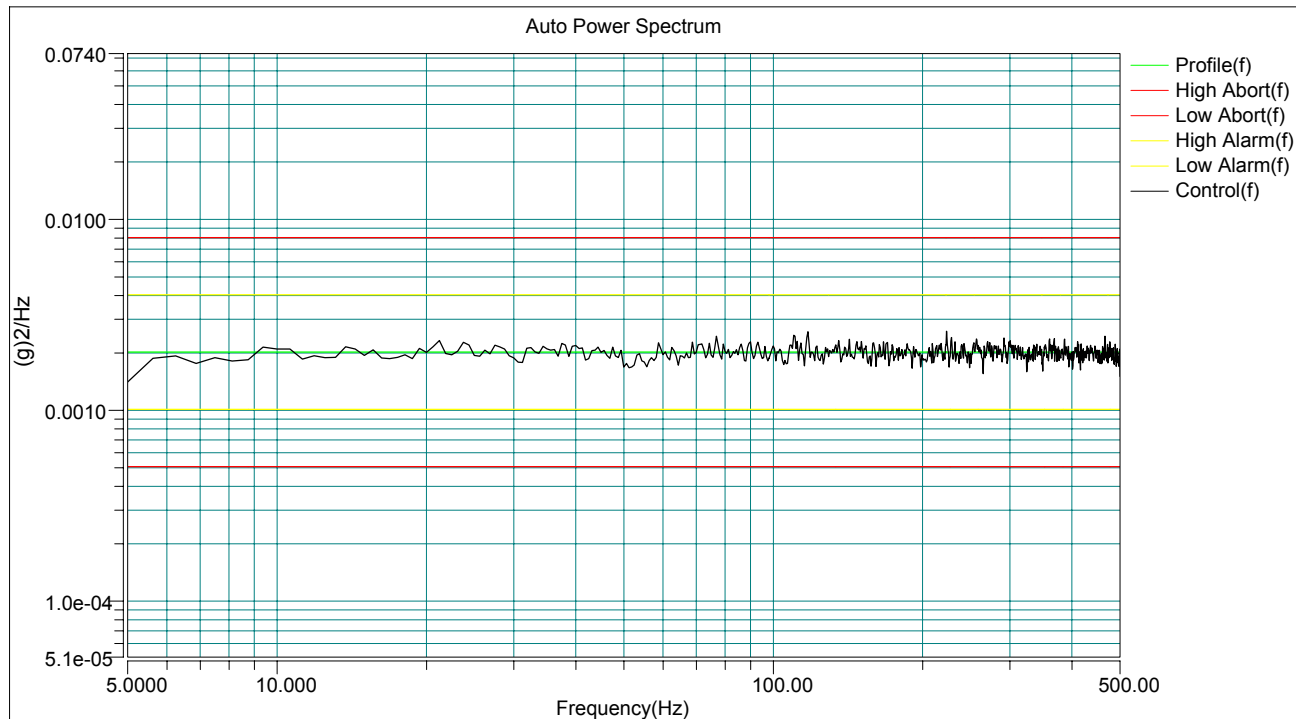
Test Elapsed:00:30:20
Remaining Time:00:00:00

Data was saved as a file at time:2011-3-24 PM 02:46:00

Test Conducted

1. Vibration Test

-Test profile:
X axis



Current Level:100 %
Demand RMS:0.999952 g
Control RMS:0.999102 g
Frame Time:1.600000 (s)
Lines:800
dF:0.625000 Hz
DOF:150

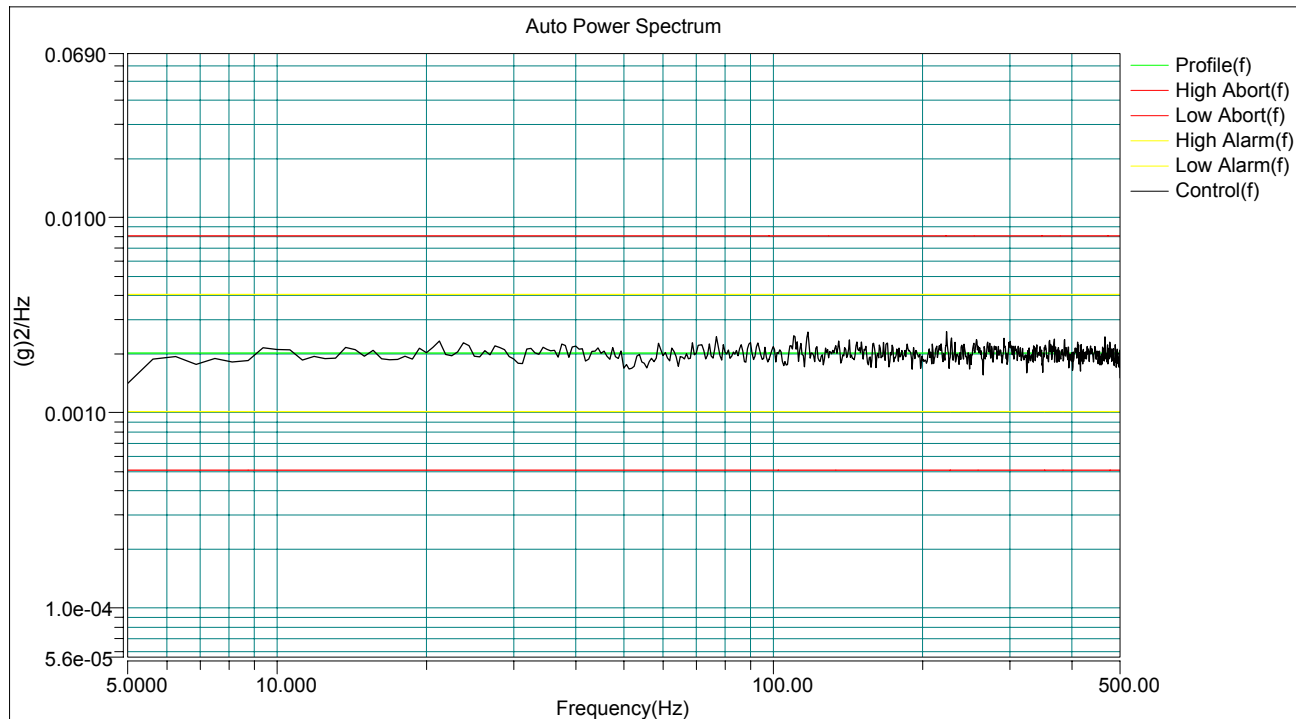
Test Elapsed:00:30:19
Remaining Time:00:00:00

Data was saved as a file at time:2011-3-24 PM 04:40:12

Test Conducted

1. Vibration Test

-Test profile:
Y axis



Current Level:100 %
Demand RMS:1.00002 g
Control RMS:1.00024 g
Frame Time:1.600000 (s)
Lines:800
dF:0.625000 Hz
DOF:150

Test Elapsed:00:30:19
Remaining Time:00:00:00

Data was saved as a file at time:2011-3-24 PM 03:53:17

Test Conducted

2. Mechanical Shock Test

Test Equipment:

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

Laboratory Ambiance Condition:

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

Reference Document:

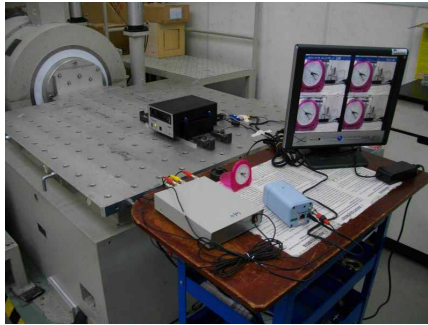
The test was performed with reference to IEC60068-2-27 test Ea.

Peripheral Setup Diagram:

- Sample Size: 1 unit
- Setup Photo:



±Z axis



±X axis



±Y axis



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Test Conducted

2. 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
+Z axis	3
-Z axis	3
+X axis	3
-X axis	3
+Y axis	3
-Y axis	3

Test Procedure:

- Check the sample's appearance before the test.
- Install the sample on the 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.

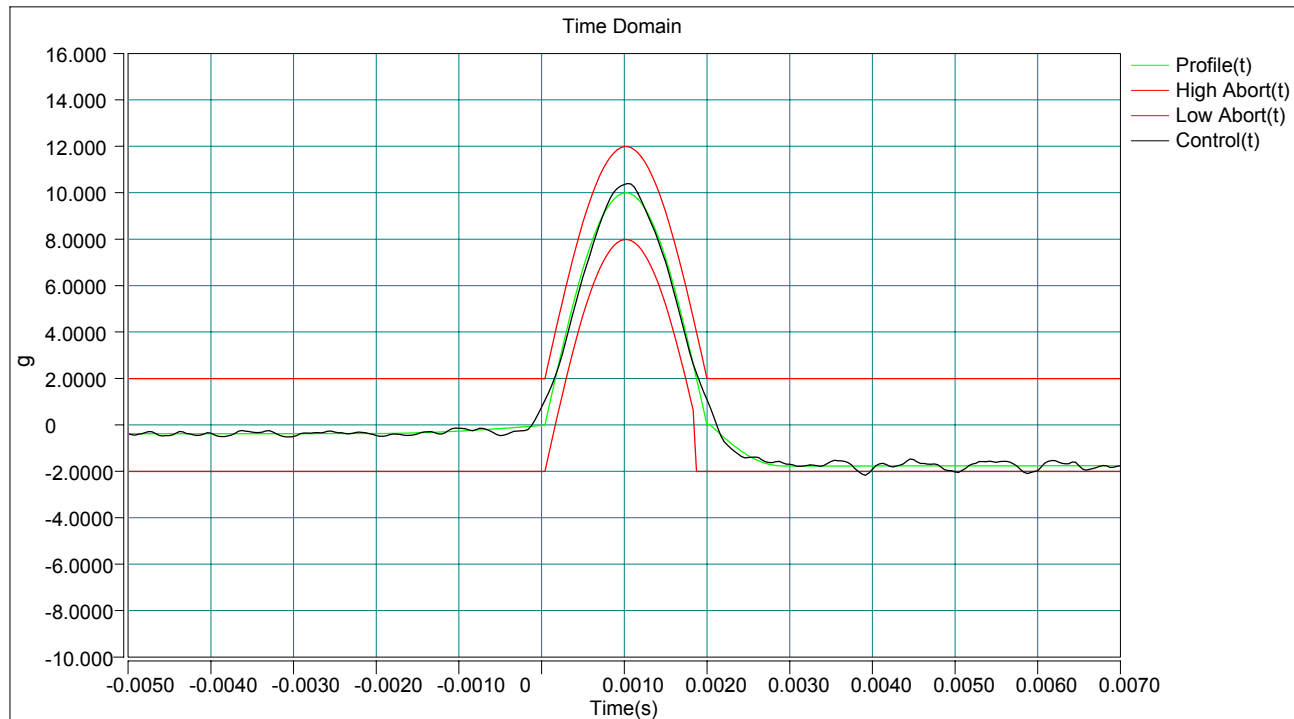
Summary:

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

Test Conducted

2. 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:10.402210 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

Remain pulses: 0

Data was saved as a file at time:2011-3-24 PM 02:51:42

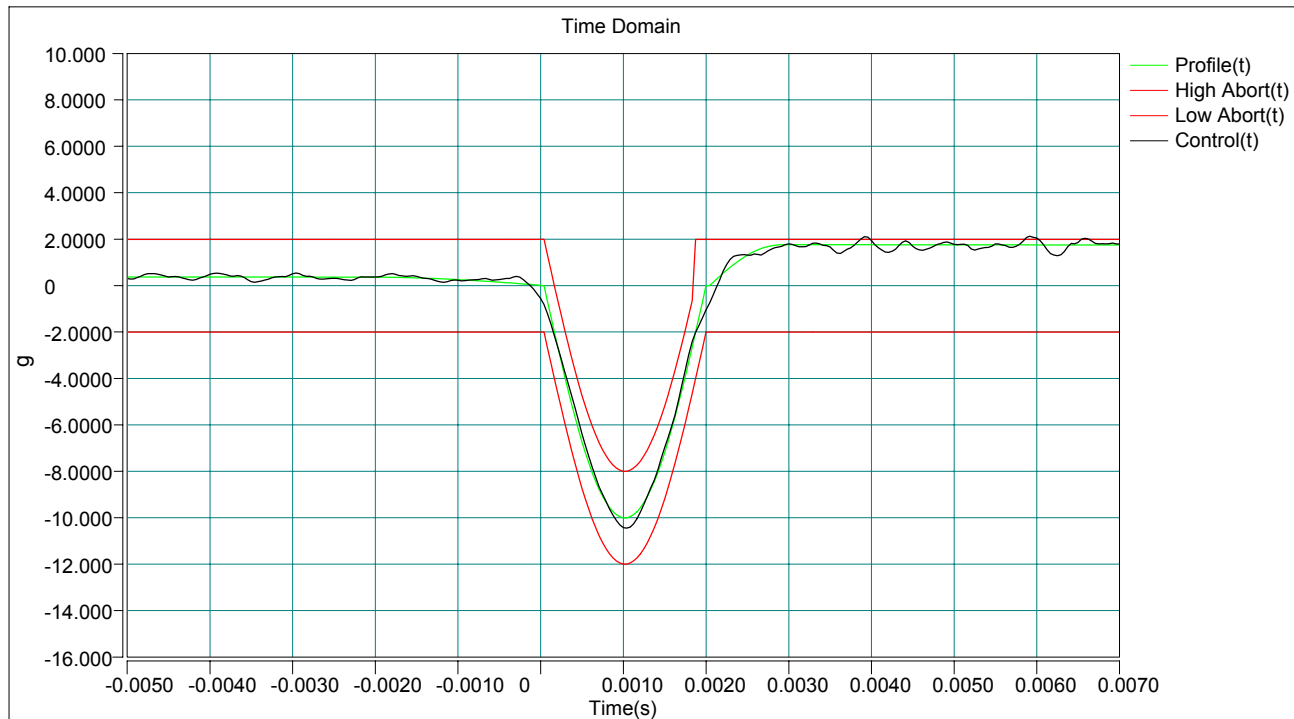


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Test Conducted

2. 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:10.442763 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

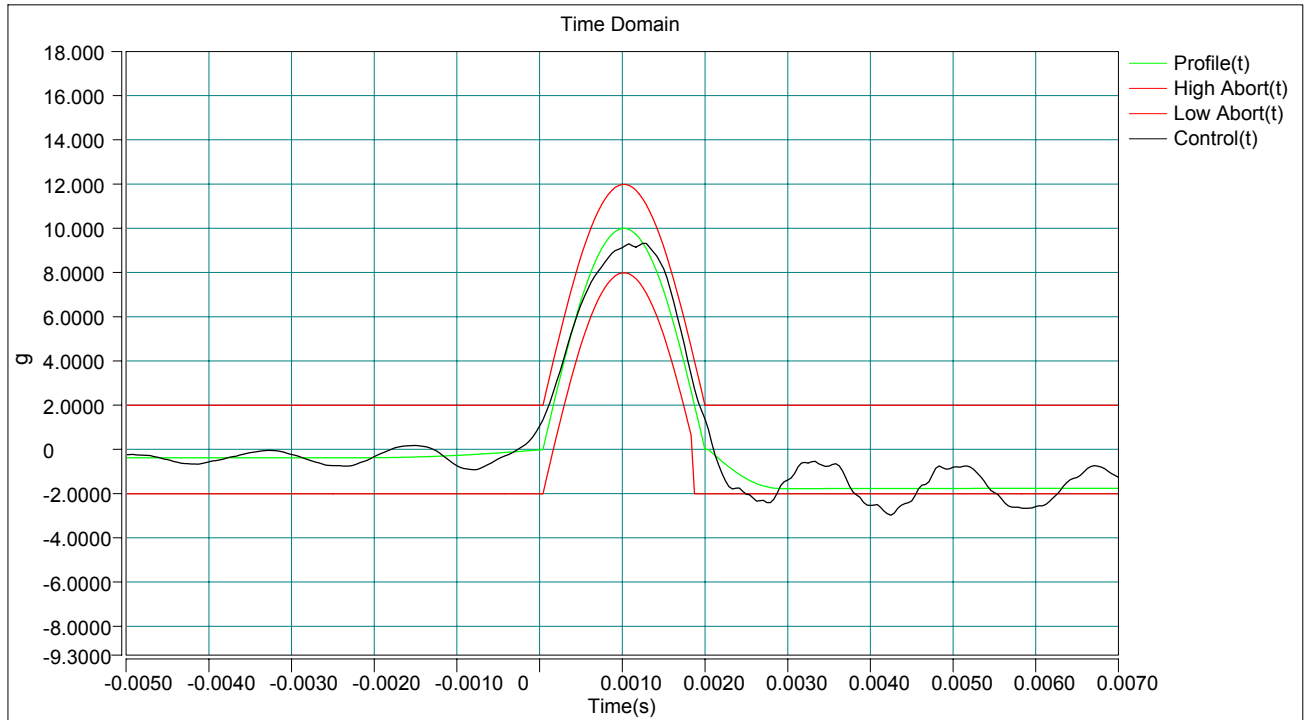
Remain pulses: 0

Data was saved as a file at time:2011-3-24 PM 02:53:08

Test Conducted

2. 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:9.328099 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

Remain pulses:0

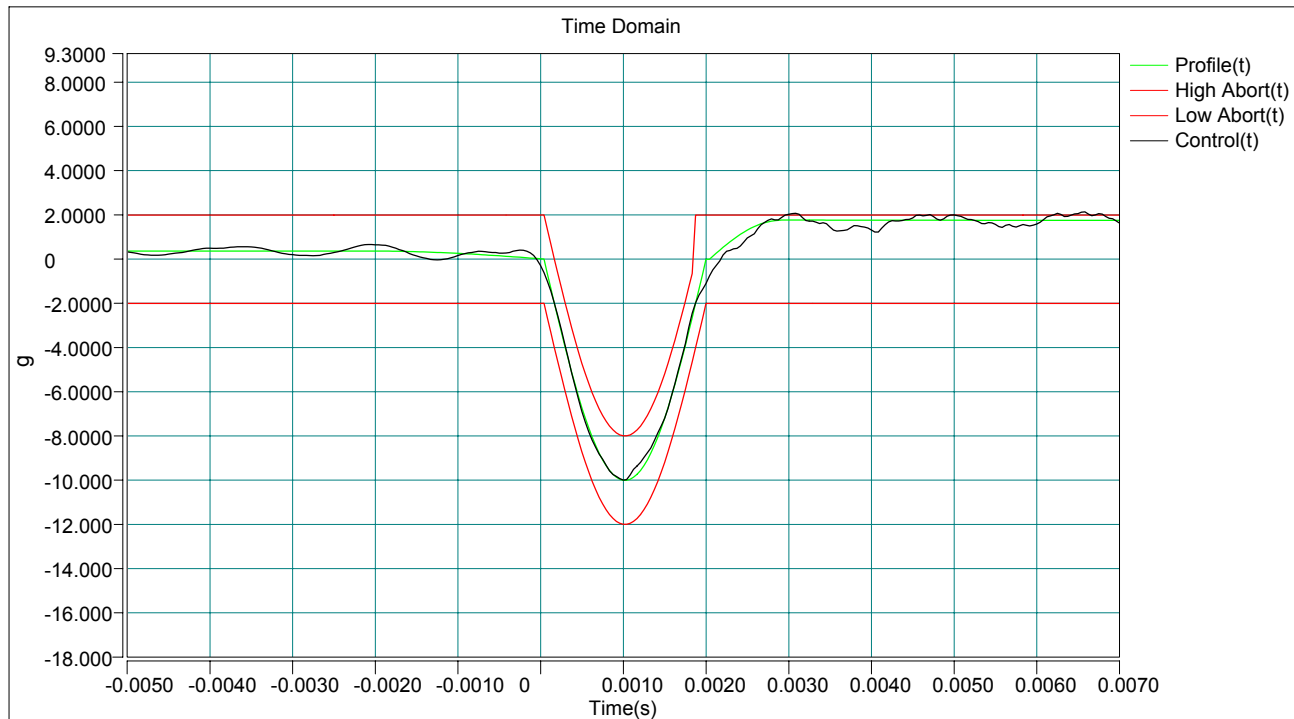
Data was saved as a file at time:2011-3-24 PM 04:43:33

Test Conducted

2. 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:9.996623 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

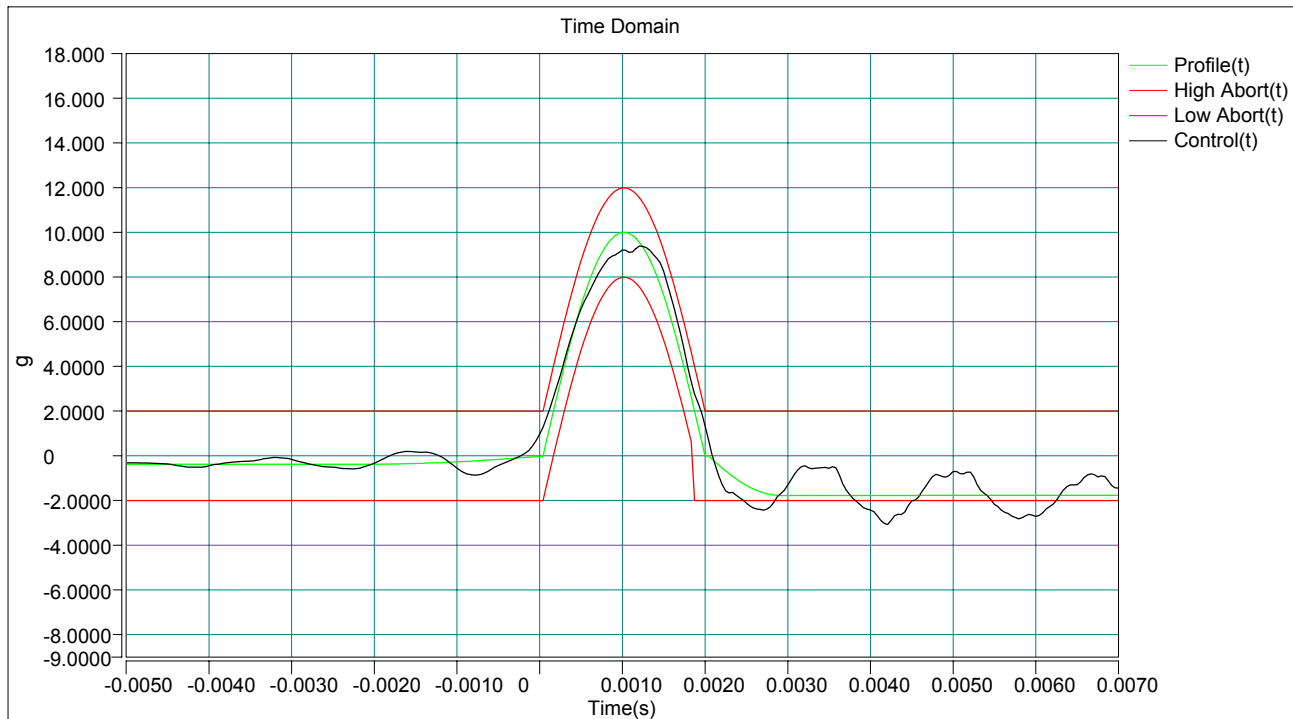
Remain pulses:0

Data was saved as a file at time:2011-3-24 PM 04:44:57

Test Conducted

2. 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:9.393547 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

Remain pulses:0

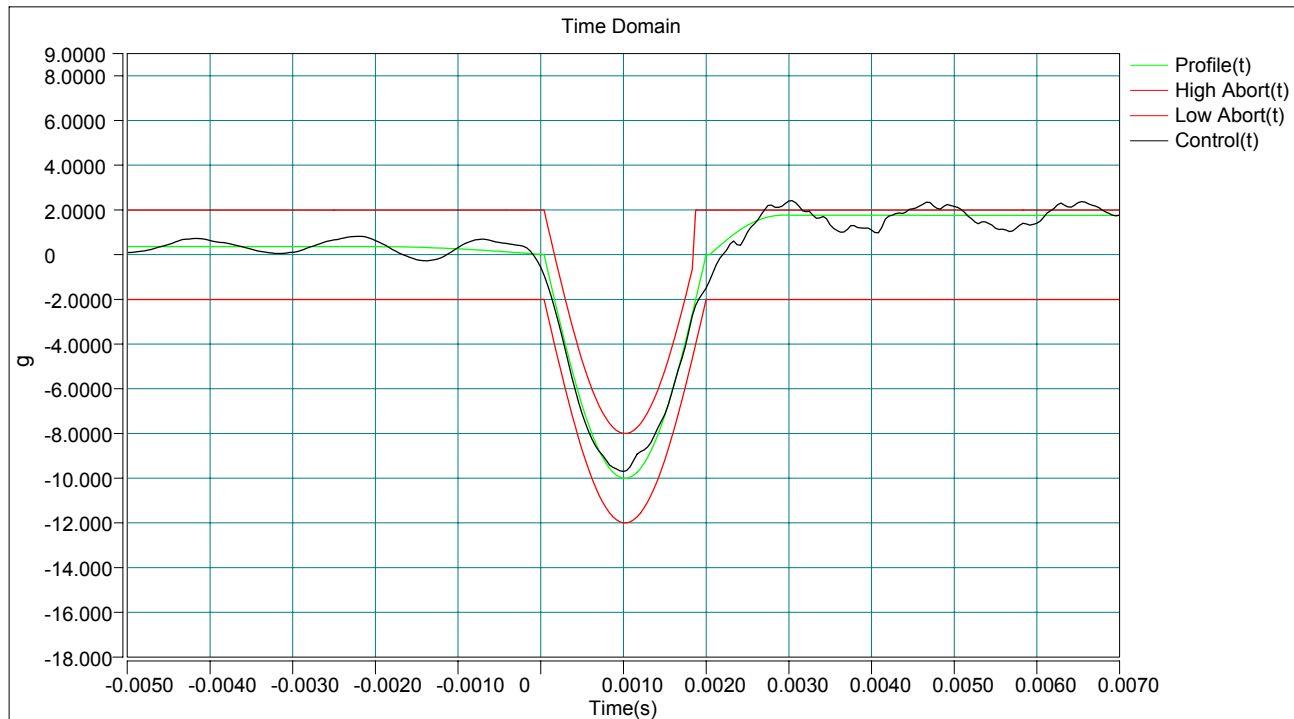
Data was saved as a file at time:2011-3-24 PM 03:58:56

Test Conducted

2. 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:9.694961 g

Block Size:4096

Frame Time:0.170667 s

dT:0.000042 s

Tested pulses:13

Output pulses:21

Remain pulses:0

Data was saved as a file at time:2011-3-24 PM 04:00:10

End of report