

## TESTING / INSPECTION REPORT

REPORT NO : ST-101221-2

COMPANY : AAEON Technology Inc.  
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SPECIMEN : GES-2200F(with 2.5" SATA HDD)  
DATE OF RECEIVED : 2010/12/21  
DATE OF TESTED : 2010/12/21

TEST / INSPECTION ITEMS : Shock Test

### REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 11 pages, and no part of it may be abstracted or reproduced

Test Engineer :	<i>Eason Chen</i>		
Approval Signatory :	<i>David Lee</i>	Laboratory Head :	<i>Chang</i>
<i>2010.12.2</i>		<i>Hsin-Tai</i>	



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### TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,  
S/N : GUG02102091
2. Controller : DACTRON FRONT-End Box, S/N:6329253
3. Control Accelerometer : B&K 4399, S/N:2158444

### TEST ENVIRONMENT :

- Temperature : 22.3°C (25±10°C)
- Relative Humidity : 64.2%RH (60±20% RH)

### SPECIMEN :

- Model : GES-2200F(with 2.5" SATA HDD)
- Quantity : 1 piece

### TEST SPECIFICATION :

- Shock Test (Operation)
- Wave Form : Half Sine Wave
- Acceleration : 15 g
- Duration : 11 mS
- Shock Direction : ±X, ±Y, ±Z axis
- No. of Shock : Each axis 3 times

### TEST RESULT :

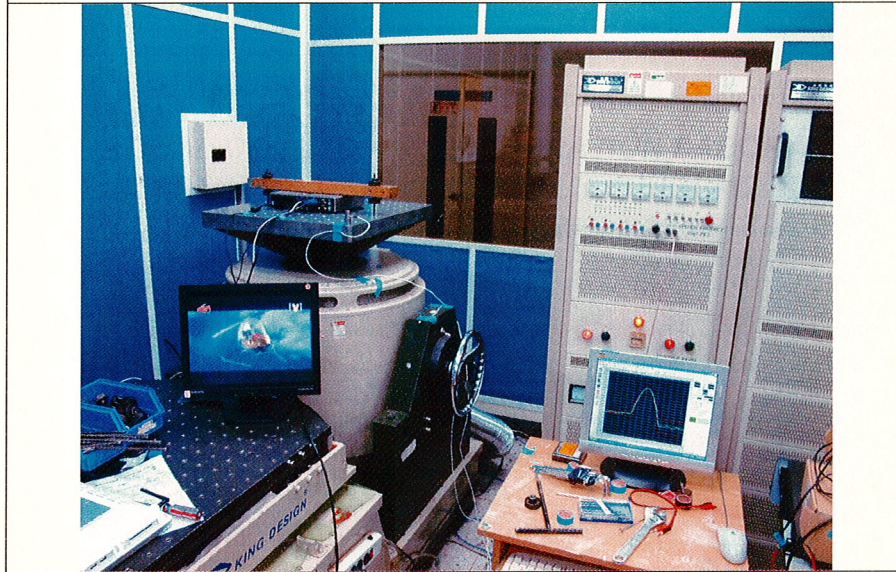
Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

This test unit can not power on after testing.  
When changing the PSU, this test unit runs well again.

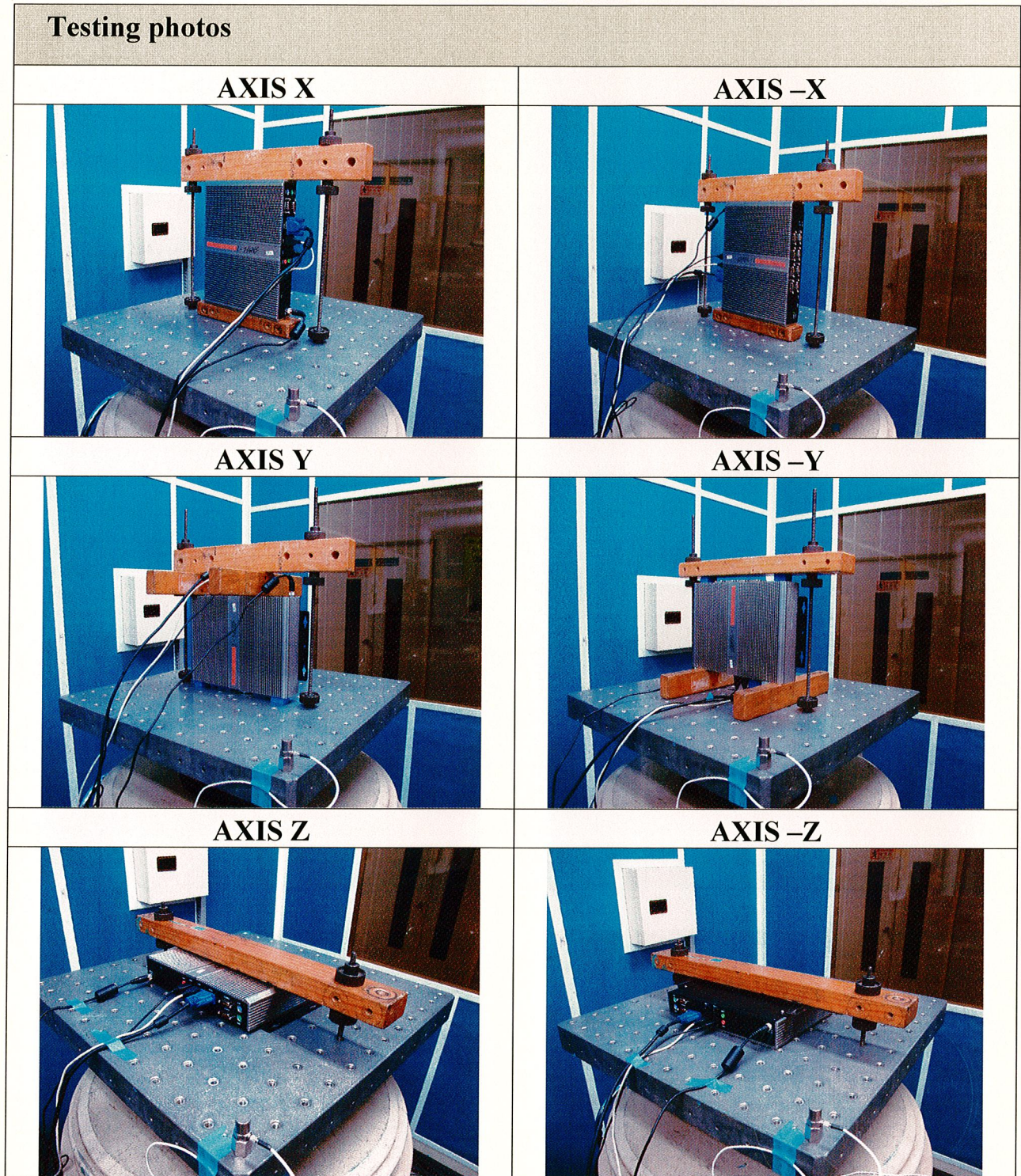
## TESTING / INSPECTION REPORT

### Testing photos

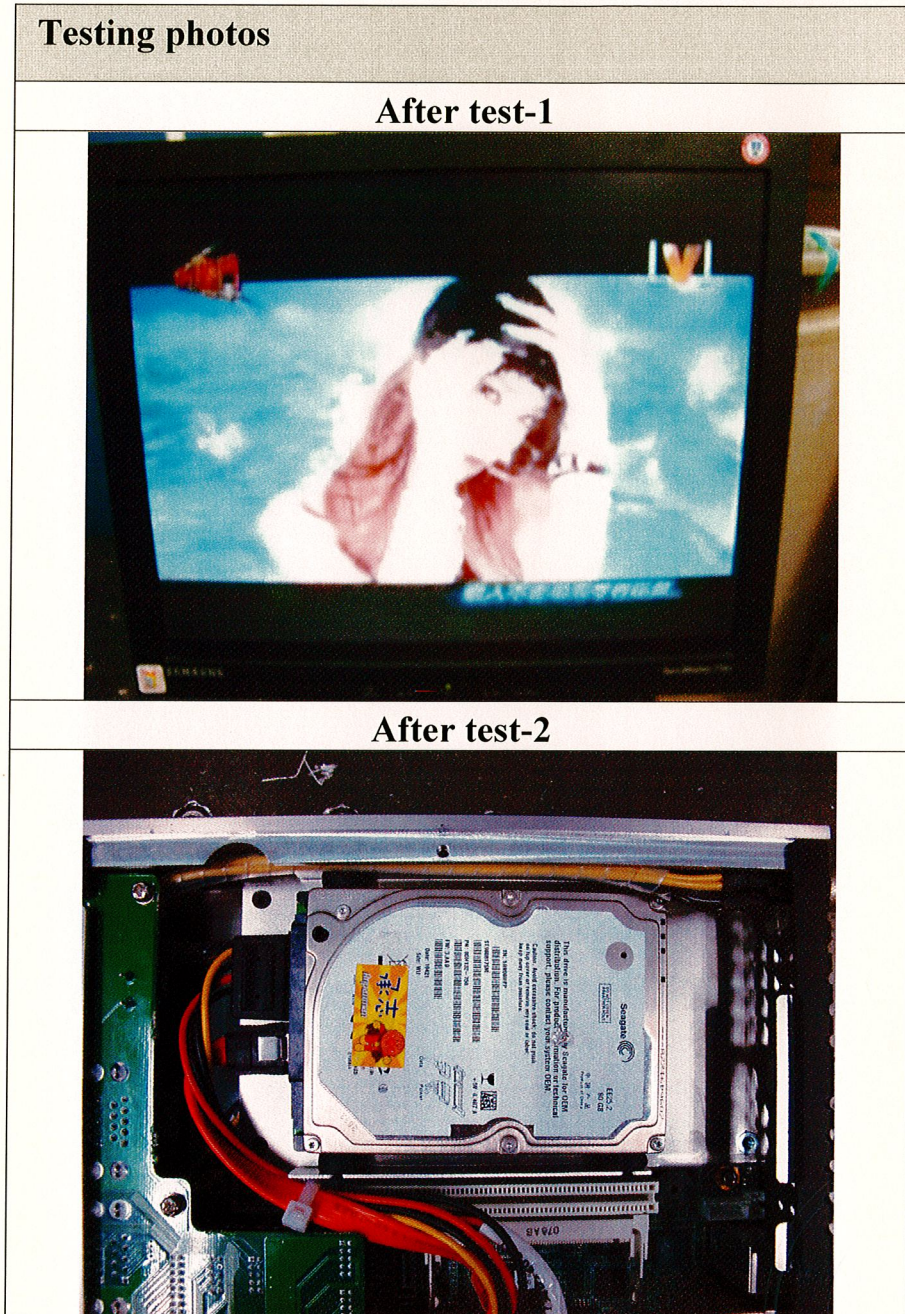
#### Before Test



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Axis X

Project File Name: 研揚 15g 11mS.prj

Profile Name: 研揚 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-45-45



Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
 Frame Time: 0.400000 Seconds Control Peak: 15.245547 Control RMS: 2.228156 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms  
 Data saved at 11:46:07 AM, Tuesday, December 21, 2010 Report created at 11:46:07 AM, Tuesday, December 21, 2010

Axis -X

Project File Name: 研揚 15g 11mS.prj

Profile Name: 研揚 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-47-34



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.400000 Seconds Control Peak: 15.247214 Control RMS: 2.224781 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:47:56 AM, Tuesday, December 21, 2010 Report created at 11:47:56 AM, Tuesday, December 21, 2010

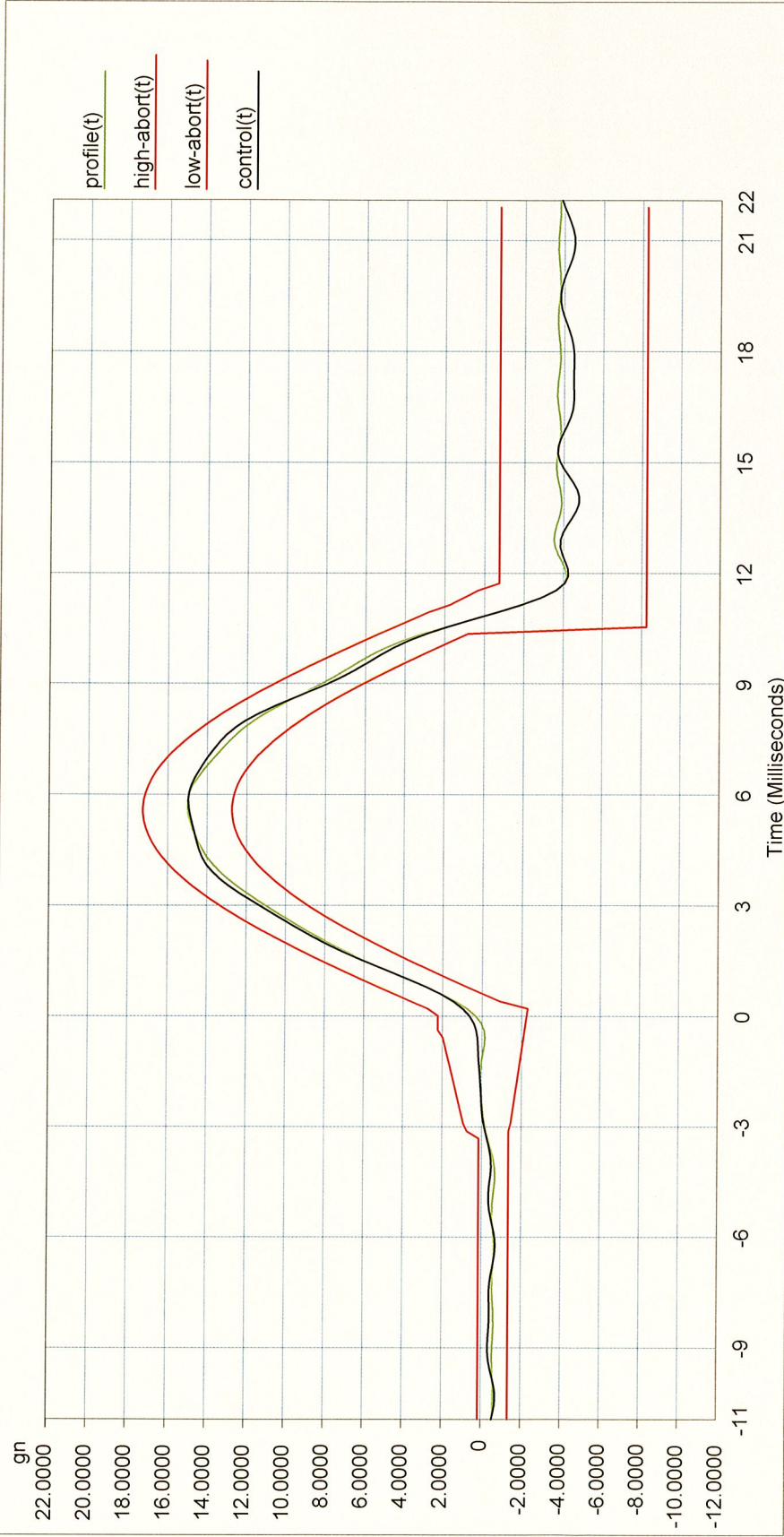
Axis Y

Project File Name: 研揚 15g 11mS.prj

Profile Name: 研揚 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Dec 21, 2010 11-41-20



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.400000 Seconds Control Peak: 14.956203 Control RMS: 2.228266 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:41:41 AM, Tuesday, December 21, 2010 Report created at 11:41:42 AM, Tuesday, December 21, 2010



Axis -Y

Project File Name: 研揚 15g 11mS.prj

Profile Name: 研揚 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11:42:30



Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
 Frame Time: 0.400000 Seconds Control Peak: 15.180203 Control RMS: 2.226080 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms  
 Data saved at 11:42:52 AM, Tuesday, December 21, 2010 Report created at 11:42:52 AM, Tuesday, December 21, 2010



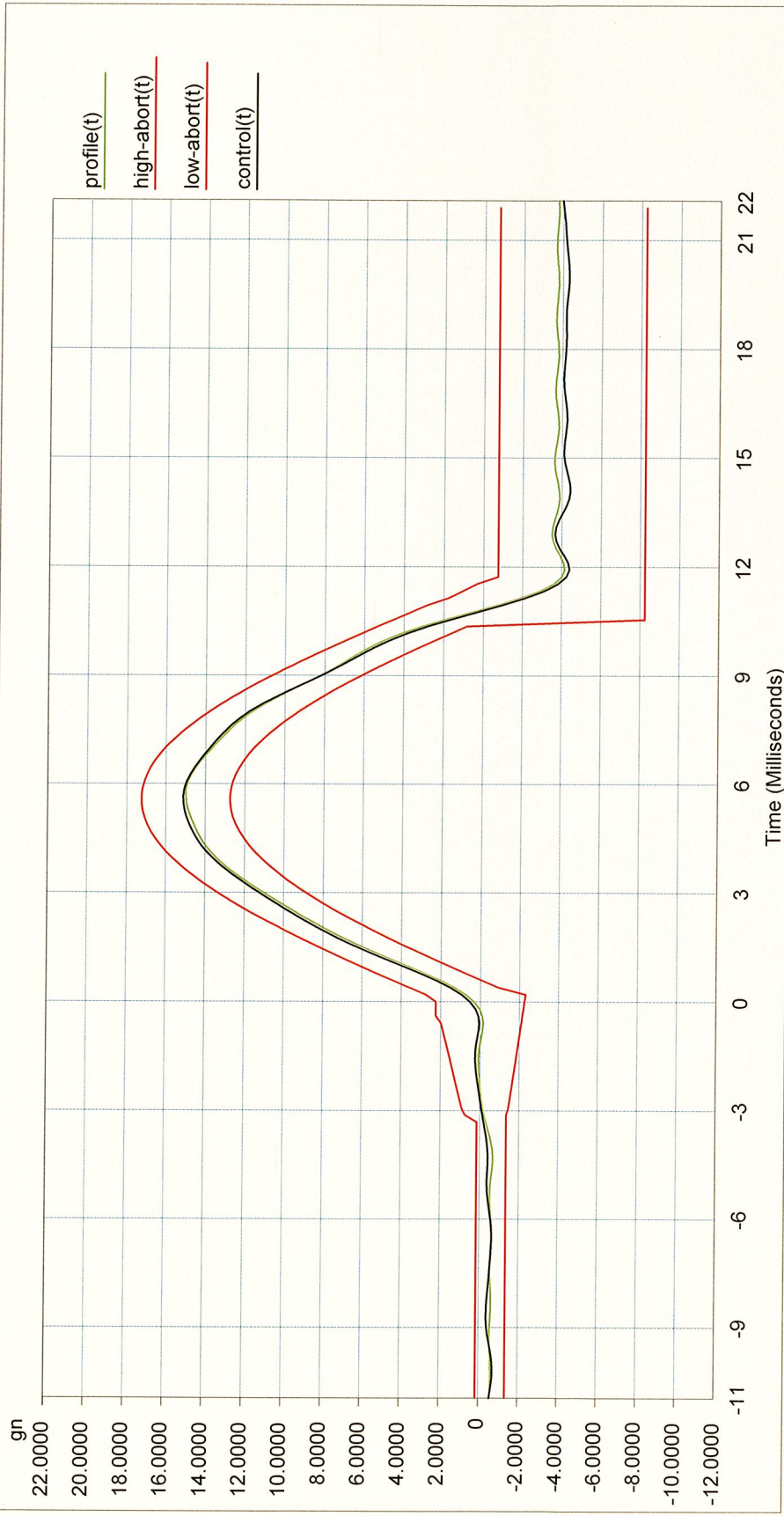
Axis Z

Project File Name: 研揚 15g 11mS.prj

Profile Name: 研揚 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Dec 21, 2010 11-37-31



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.400000 Seconds Control Peak: 15.131912 Control RMS: 2.222293 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0

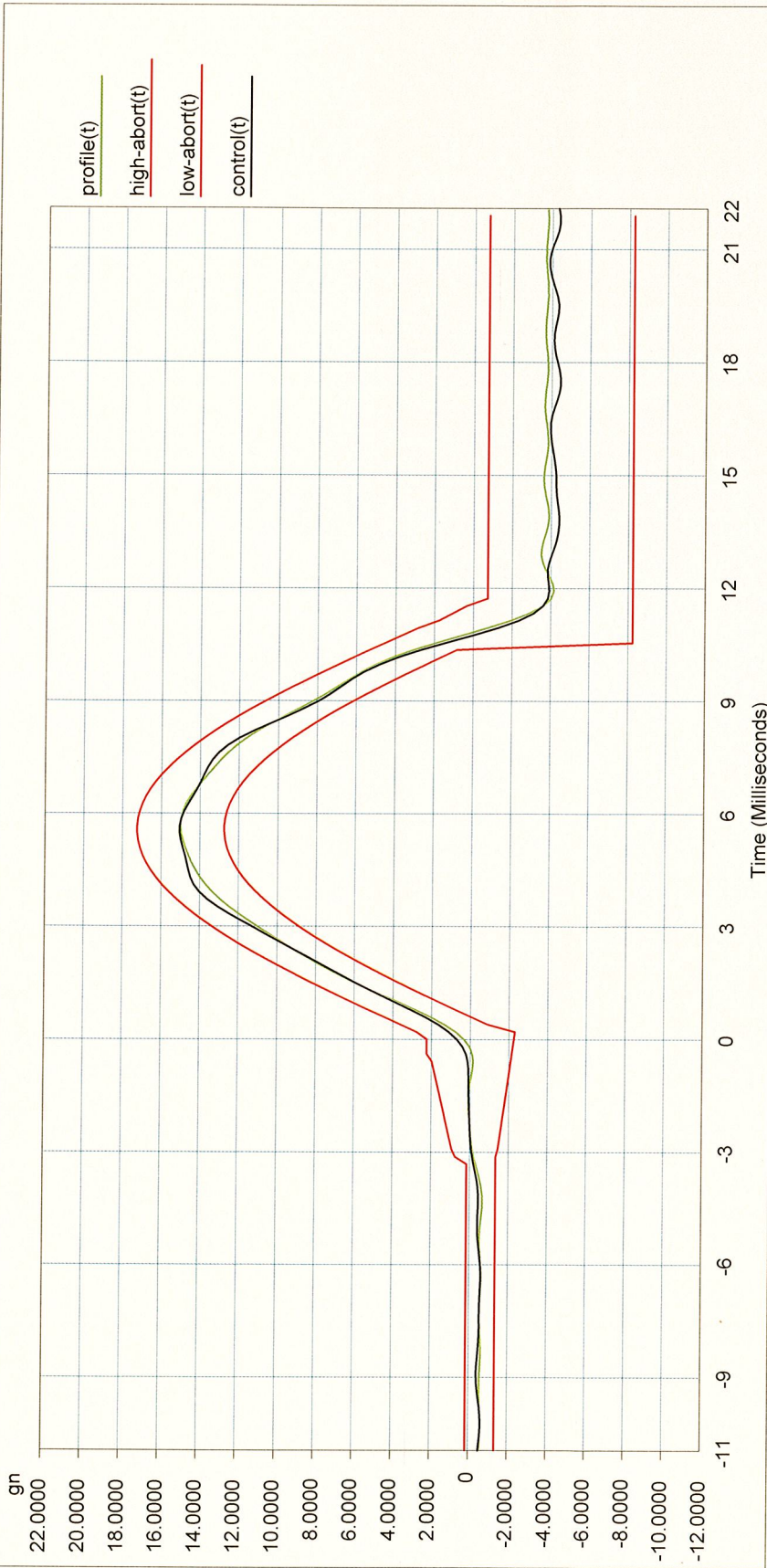
Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:37:53 AM, Tuesday, December 21, 2010 Report created at 11:37:54 AM, Tuesday, December 21, 2010

Axis -Z

Project File Name: 研揚 15g 11mS(SHOCK).prj

Profile Name: 研揚 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-39-02



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.400000 Seconds Control Peak: 15.053913 Control RMS: 2.224952 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

Data saved at 11:39:24 AM, Tuesday, December 21, 2010 Report created at 11:39:24 AM, Tuesday, December 21, 2010

**-END-**