

## TESTING / INSPECTION REPORT

REPORT NO : ST-101221-1

COMPANY : AAEON Technology Inc.  
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SPECIMEN : ACP-5152(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>2010.12.23 David Lee</i>	Laboratory Head : <i>Hsin Tai Cheng</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 : ACP-5152(with 2.5" SATA HDD)
- Quantity : 1 piece

### TEST SPECIFICATION :

- Shock Test (Operation)
- Wave Form : Half Sine Wave
- Acceleration : 20 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.



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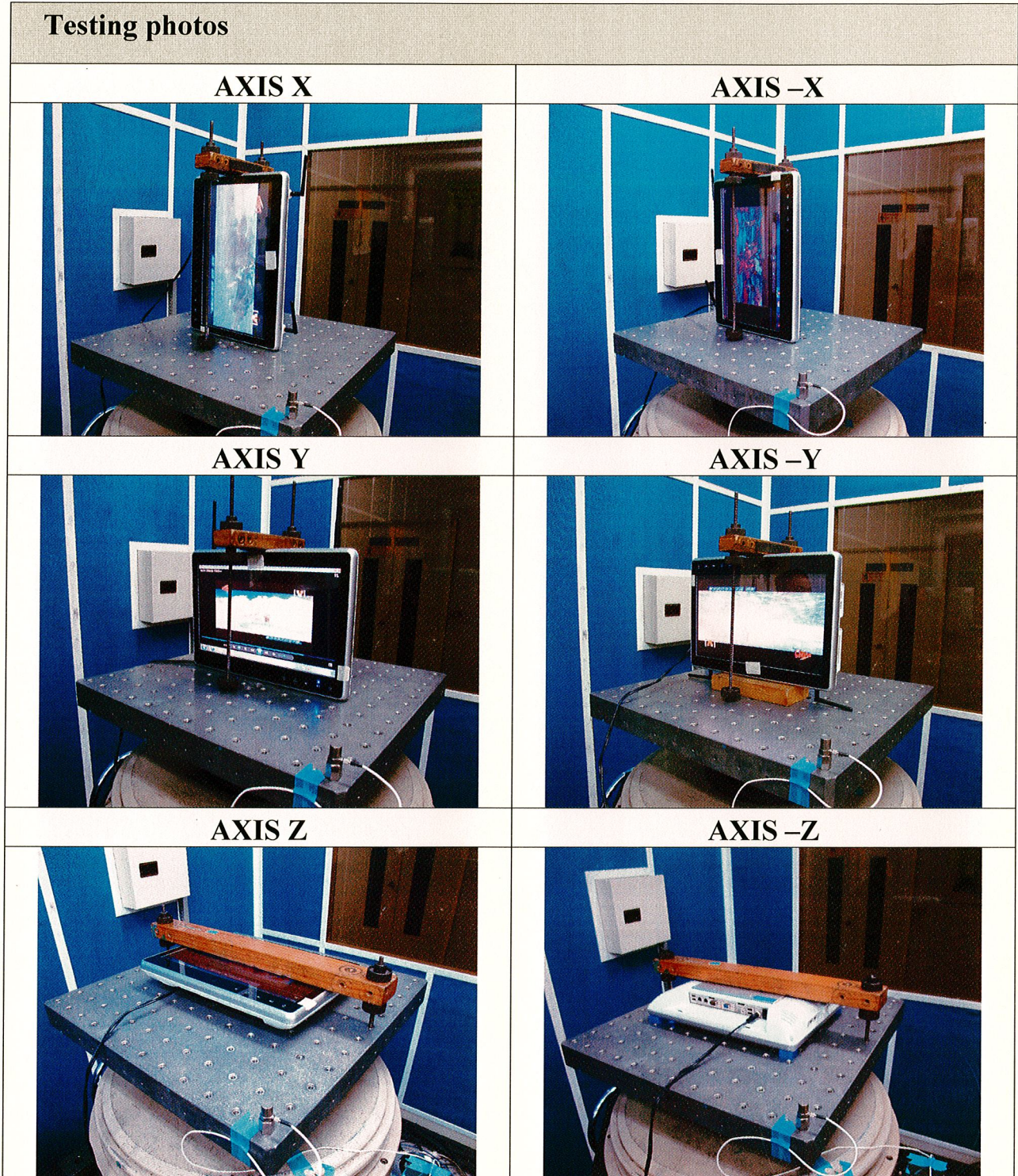
### Testing photos

#### Before Test



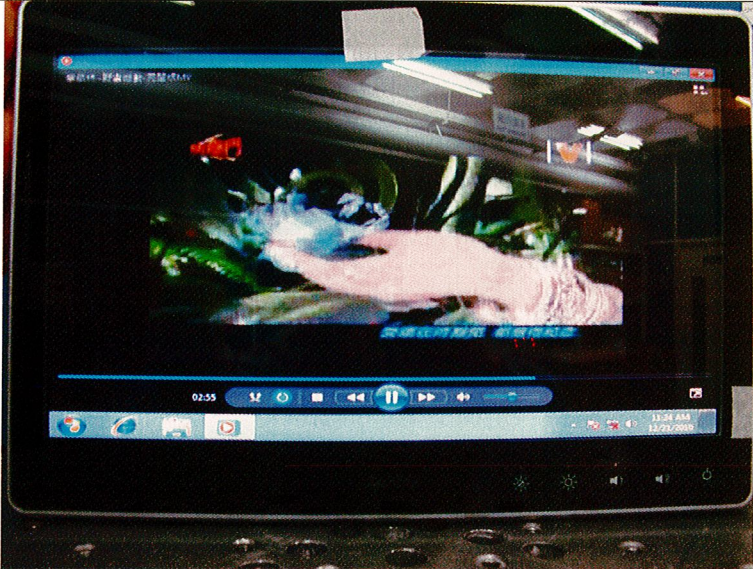


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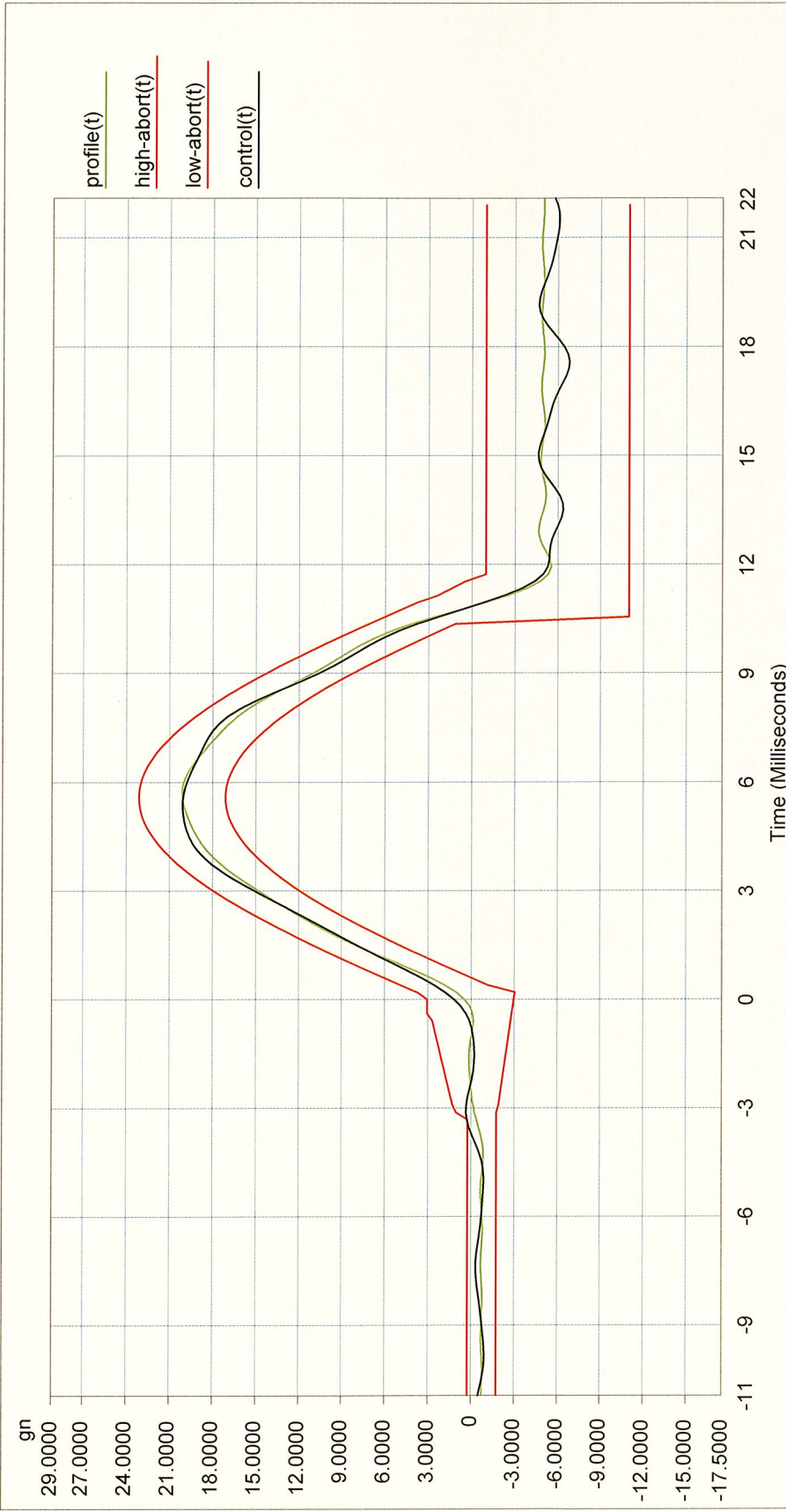
Testing photos
<p style="text-align: center;"><b>After test-1</b></p> 
<p style="text-align: center;"><b>After test-2</b></p> 



Axis X

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-25-47



Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
 Frame Time: 0.400000 Seconds Control Peak: 19.981995 Control RMS: 2.968431 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms  
 Data saved at 11:26:09 AM, Tuesday, December 21, 2010 Report created at 11:26:09 AM, Tuesday, December 21, 2010



Axis -X

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Dec 21, 2010 11-27-36



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

Frame Time: 0.400000 Seconds      Control Peak: 20.271425      Control RMS: 2.966115      Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds      Demand Peak: 20.000000      Demand RMS: 2.875554      Remaining Pulses: 0

Pulse Type: Half Sine      Amplitude: 20.000000      Pulse Width: 11.000000 ms

Data saved at 11:27:57 AM, Tuesday, December 21, 2010      Report created at 11:27:58 AM, Tuesday, December 21, 2010



Axis Y

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-21-09



Level: 100 % Block Size: 2048 Elapsed Pulses: 14

Frame Time: 0.400000 Seconds Control Peak: 20.040319 Control RMS: 2.967078 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

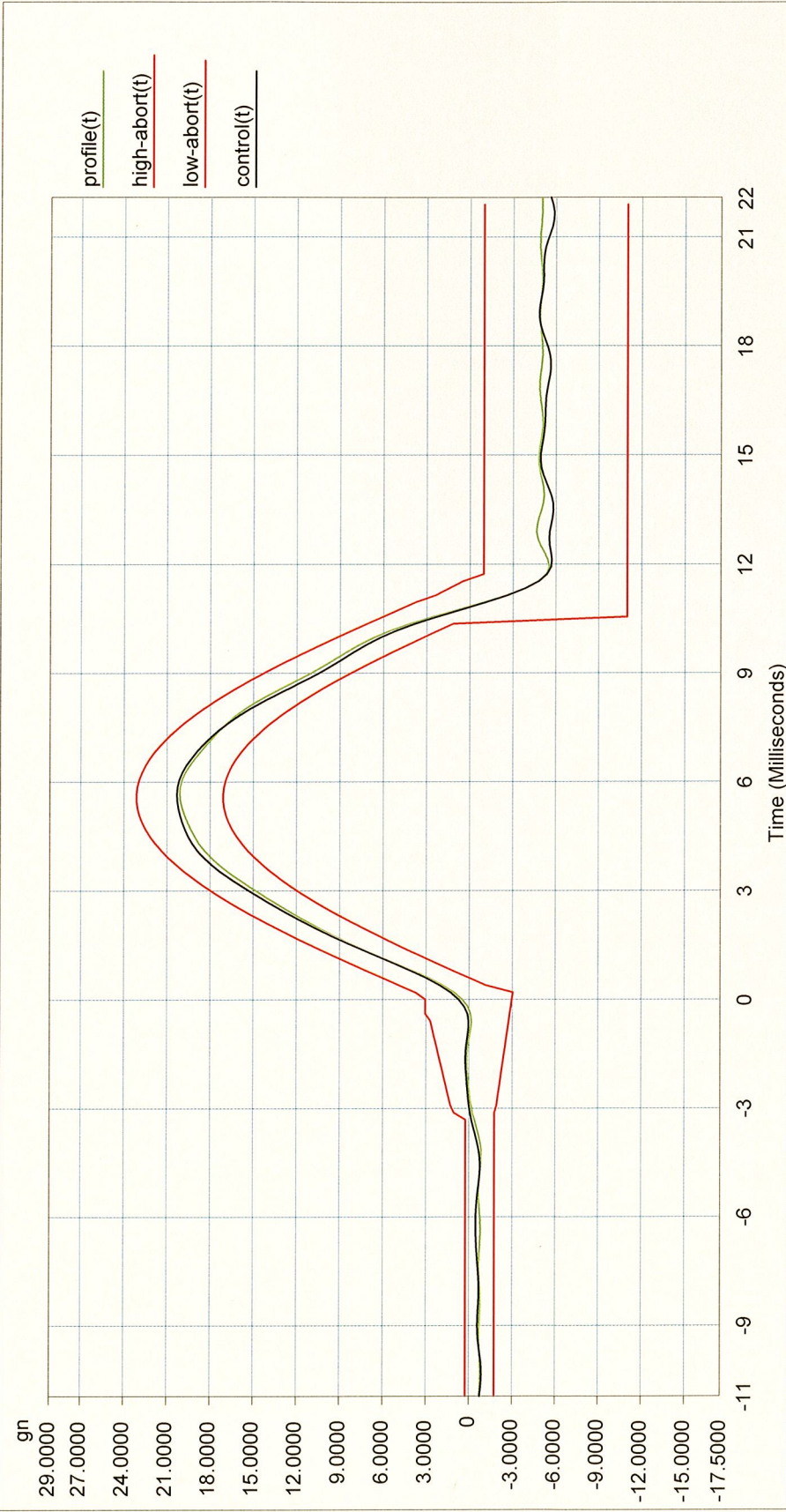
Data saved at 11:21:32 AM, Tuesday, December 21, 2010 Report created at 11:21:33 AM, Tuesday, December 21, 2010



Axis -Y

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-23-13



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

Frame Time: 0.400000 Seconds Control Peak: 20.216366 Control RMS: 2.961357 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:23:37 AM, Tuesday, December 21, 2010 Report created at 11:23:38 AM, Tuesday, December 21, 2010

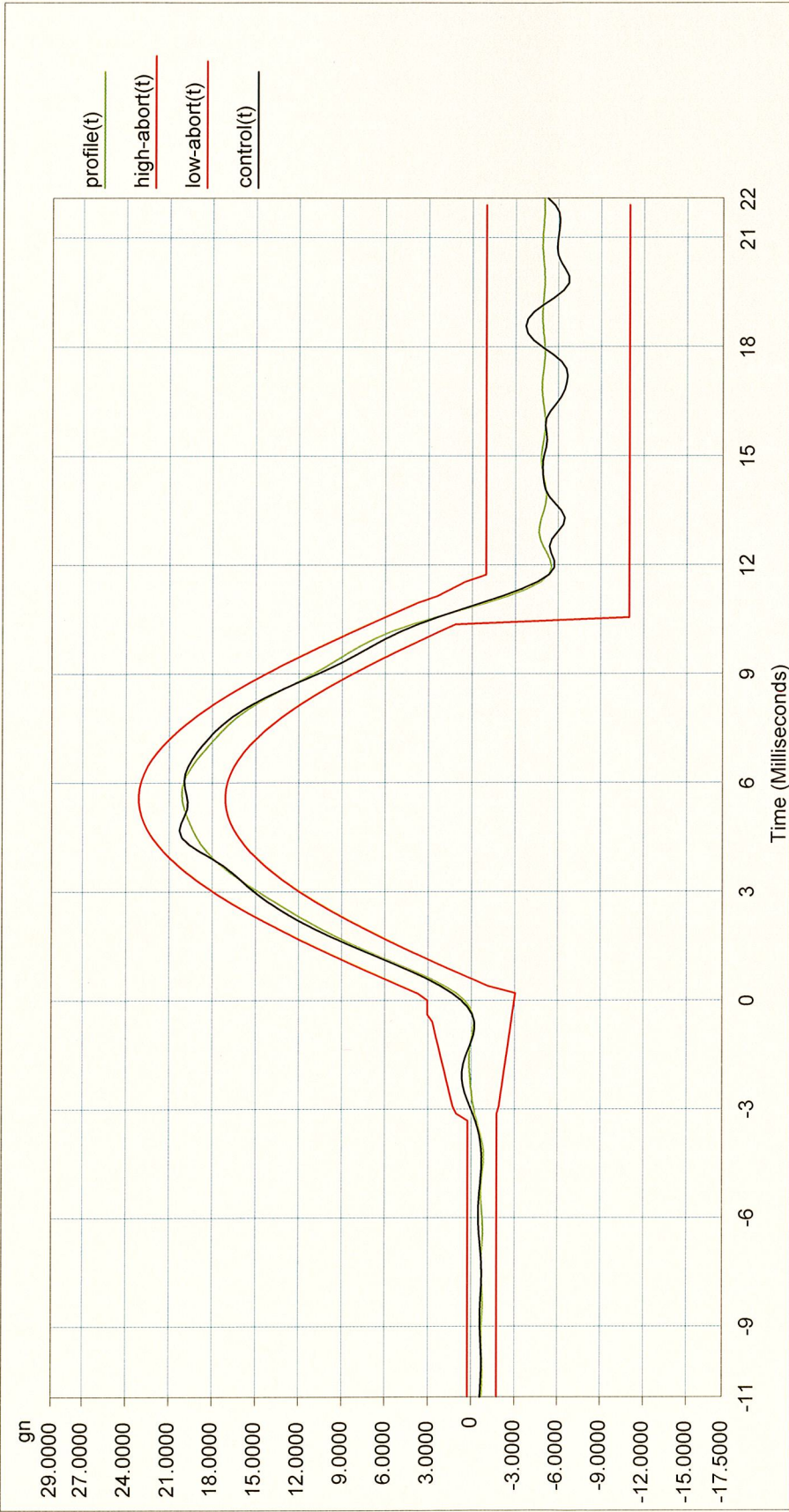




Axis Z

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-15-42



Level: 100 % Block Size: 2048 Elapsed Pulses: 14

Frame Time: 0.400000 Seconds Control Peak: 20.178581 Control RMS: 2.969423 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:16:05 AM, Tuesday, December 21, 2010 Report created at 11:16:05 AM, Tuesday, December 21, 2010



Axis -Z  
 Project File Name: 研揚 20g 11mS.prj  
 Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Dec 21, 2010 11-17-52



Level: 100 % Block Size: 2048 Elapsed Pulses: 14  
 Frame Time: 0.400000 Seconds Control Peak: 21.019781 Control RMS: 2.973709 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms  
 Data saved at 11:18:15 AM, Tuesday, December 21, 2010 Report created at 11:18:15 AM, Tuesday, December 21, 2010

**-END-**