

TESTING / INSPECTION REPORT

REPORT NO : ST-101221-3

COMPANY : AAEON Technology Inc.
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TEL : 886-2-8919-1234
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SPECIMEN : AGP-3125(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> 2010.12.22	Laboratory Head : <i>Hsin Tai Chang</i>



TESTING / INSPECTION REPORT

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 : AGP-3125(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 :

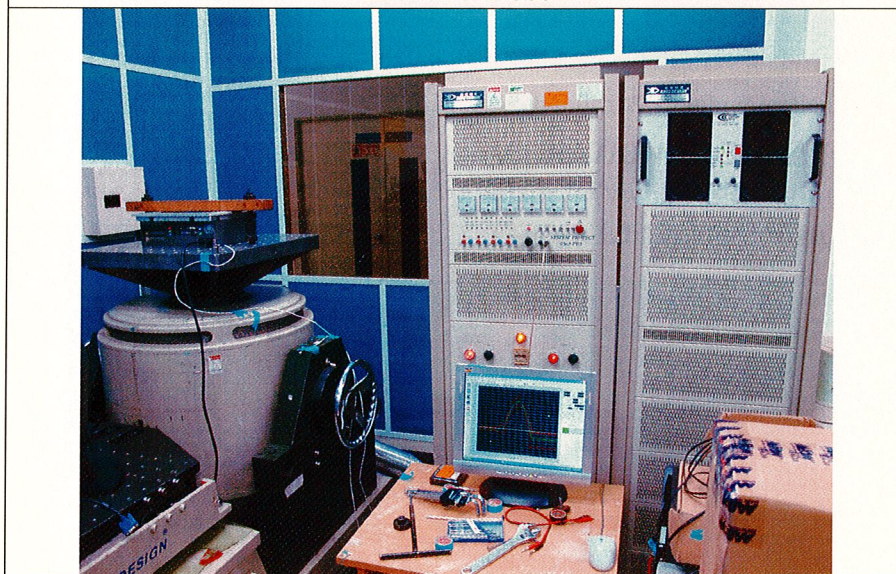
Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

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

TESTING / INSPECTION REPORT

Testing photos

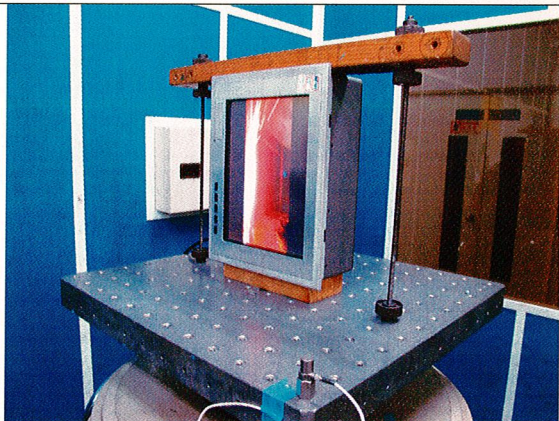
Before Test



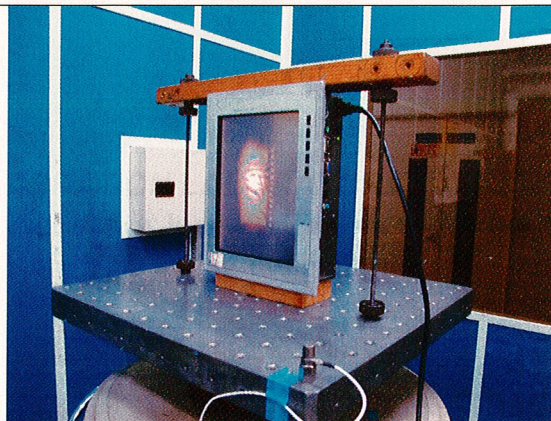
TESTING / INSPECTION REPORT

Testing photos

AXIS X



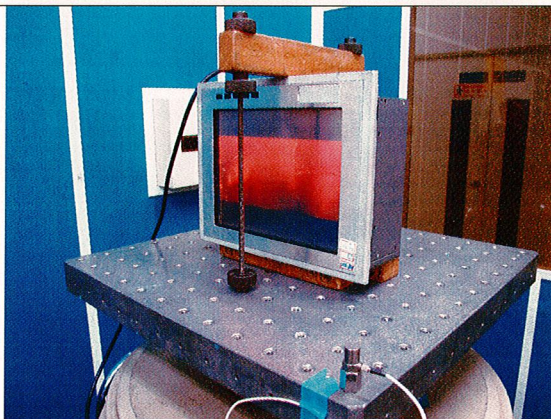
AXIS -X



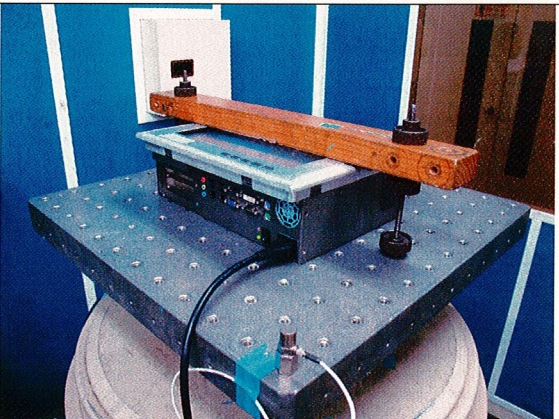
AXIS Y



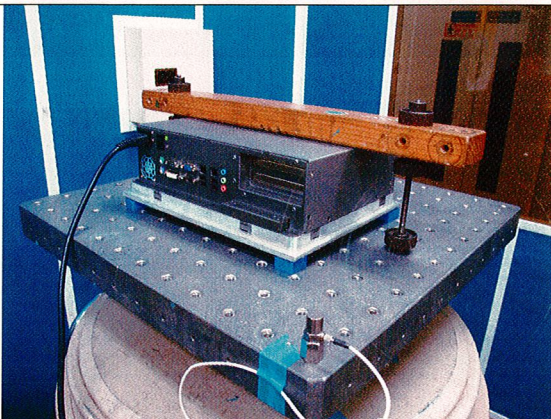
AXIS -Y



AXIS Z



AXIS -Z



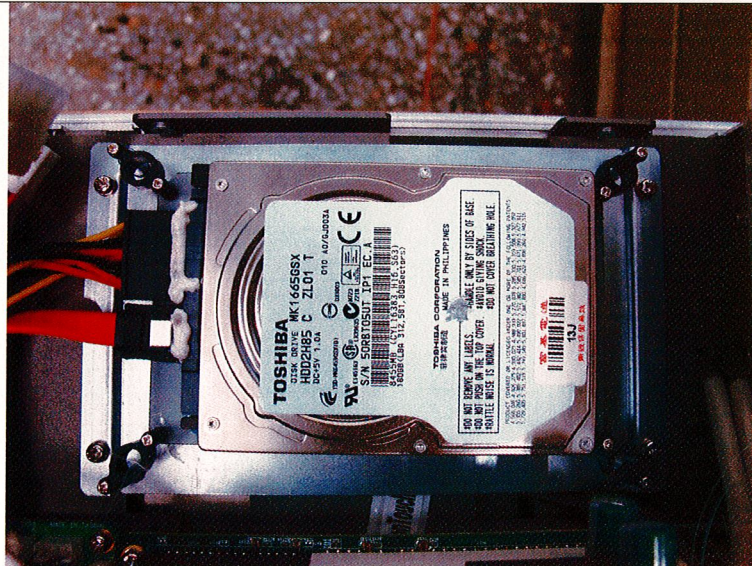
TESTING / INSPECTION REPORT

Testing photos

After test-1



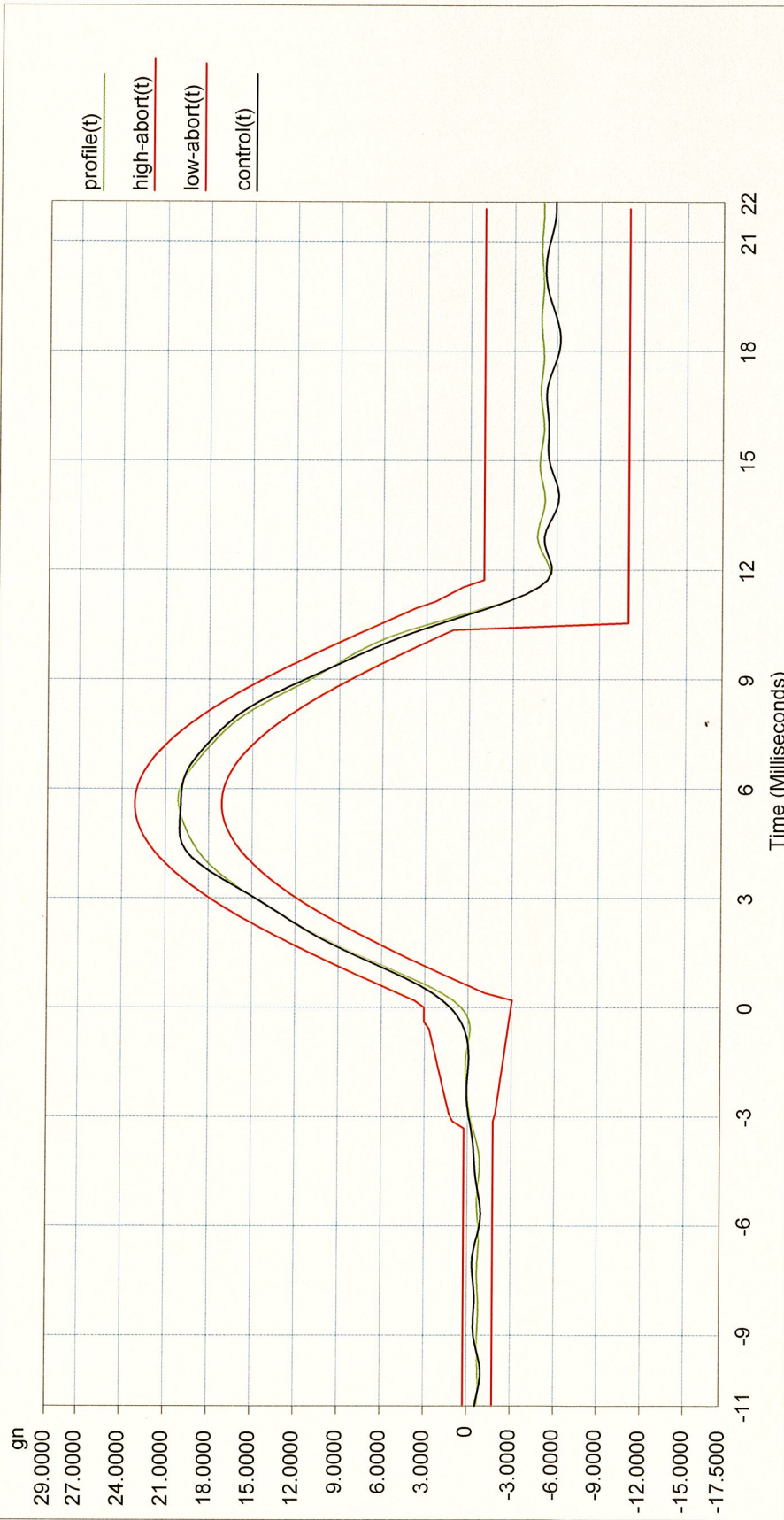
After test-2



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 13-15-36



Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.400000 Seconds Control Peak: 19.918228 Control RMS: 2.972730 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 01:15:59 PM, Tuesday, December 21, 2010 Report created at 01:16:00 PM, Tuesday, December 21, 2010

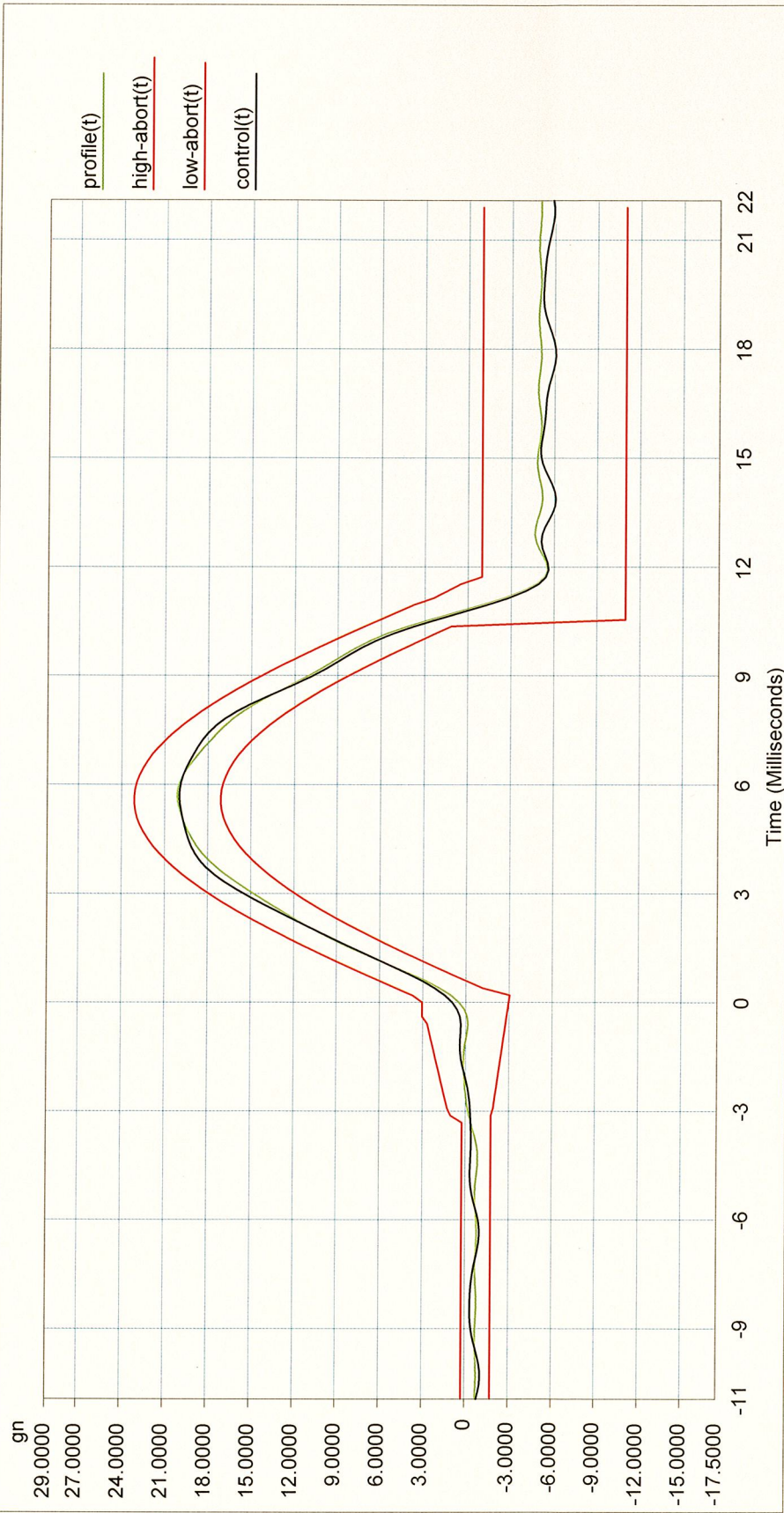
Axis -X

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec

Test Type: Classical Shock

Run Folder: \RunDefault Dec 21, 2010 13-17-30



Level:

100 %

Block Size:

2048

Elapsed Pulses: 13

Frame Time: 0.400000 Seconds Control Peak: 19.868780 Control RMS: 2.971831 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 01:17:51 PM, Tuesday, December 21, 2010

Report created at 01:17:52 PM, Tuesday, December 21, 2010

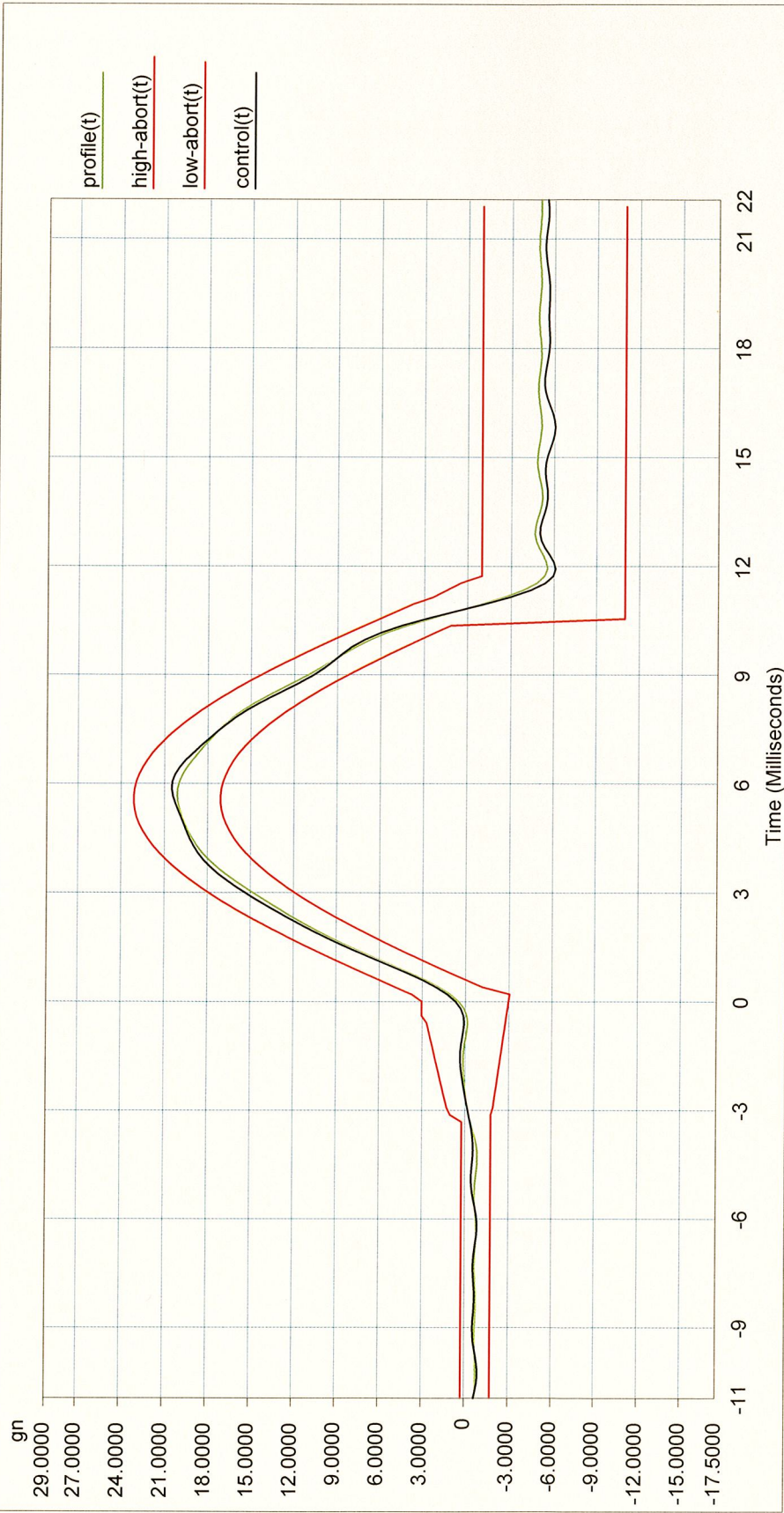
Axis Y

Project File Name: 研場 20g 11mS.prj

Profile Name: 研場 20gn 11mSec

Test Type: Classical Shock

Run Folder: \RunDefault Dec 21, 2010 13-10-35



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

Frame Time: 0.400000 Seconds Control Peak: 20.381475 Control RMS: 2.965067 Full Level Elapsed Pulses: 3

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

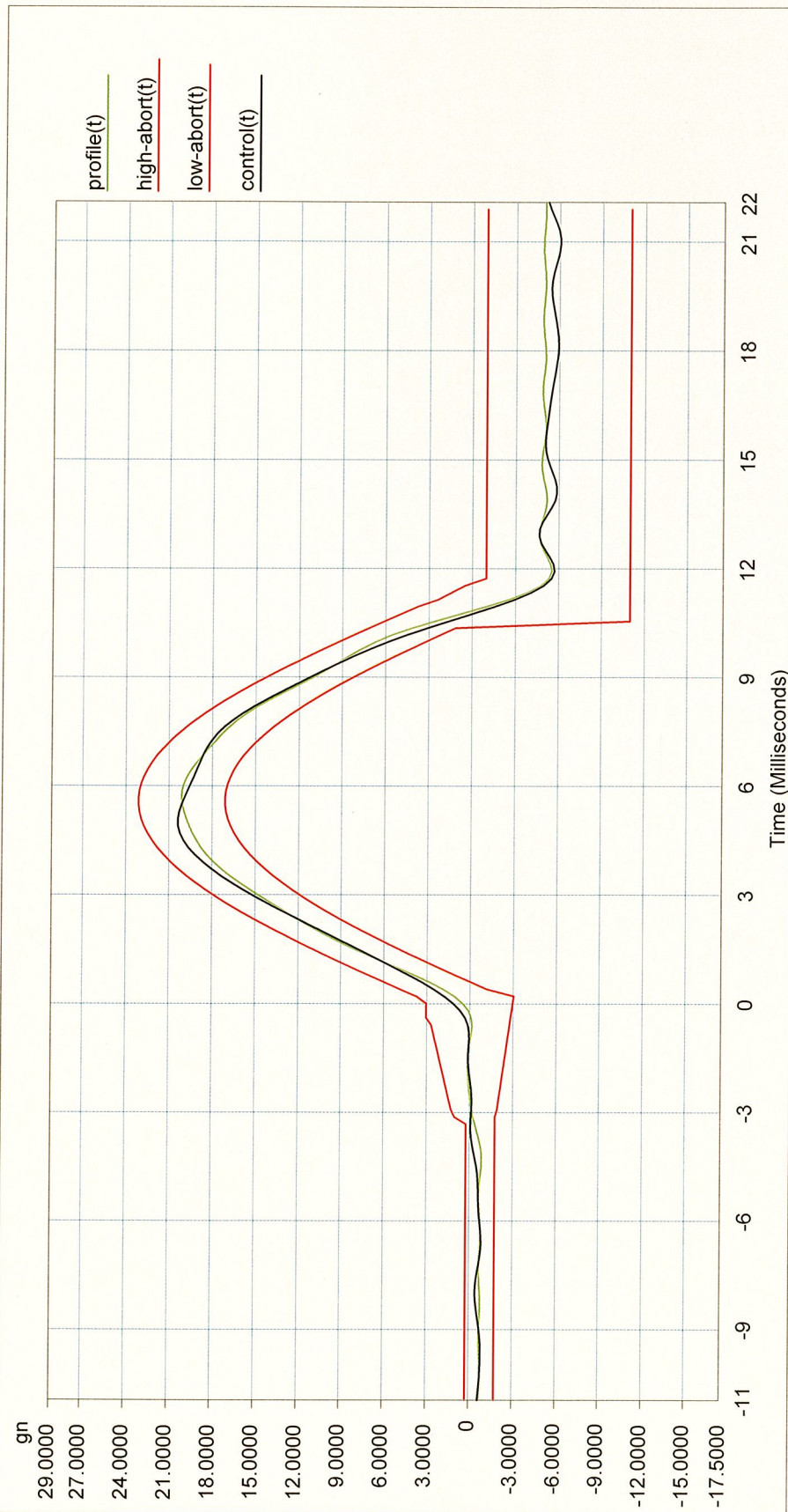
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

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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 13-12-54



Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.400000 Seconds Control Peak: 20.261358 Control RMS: 2.962824 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 01:13:16 PM, Tuesday, December 21, 2010 Report created at 01:13:16 PM, 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 13-05-02



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

Frame Time: 0.400000 Seconds
Control Peak: 20.018394
Control RMS: 2.957561
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 01:05:24 PM, Tuesday, December 21, 2010
Report created at 01:05:24 PM, Tuesday, December 21, 2010

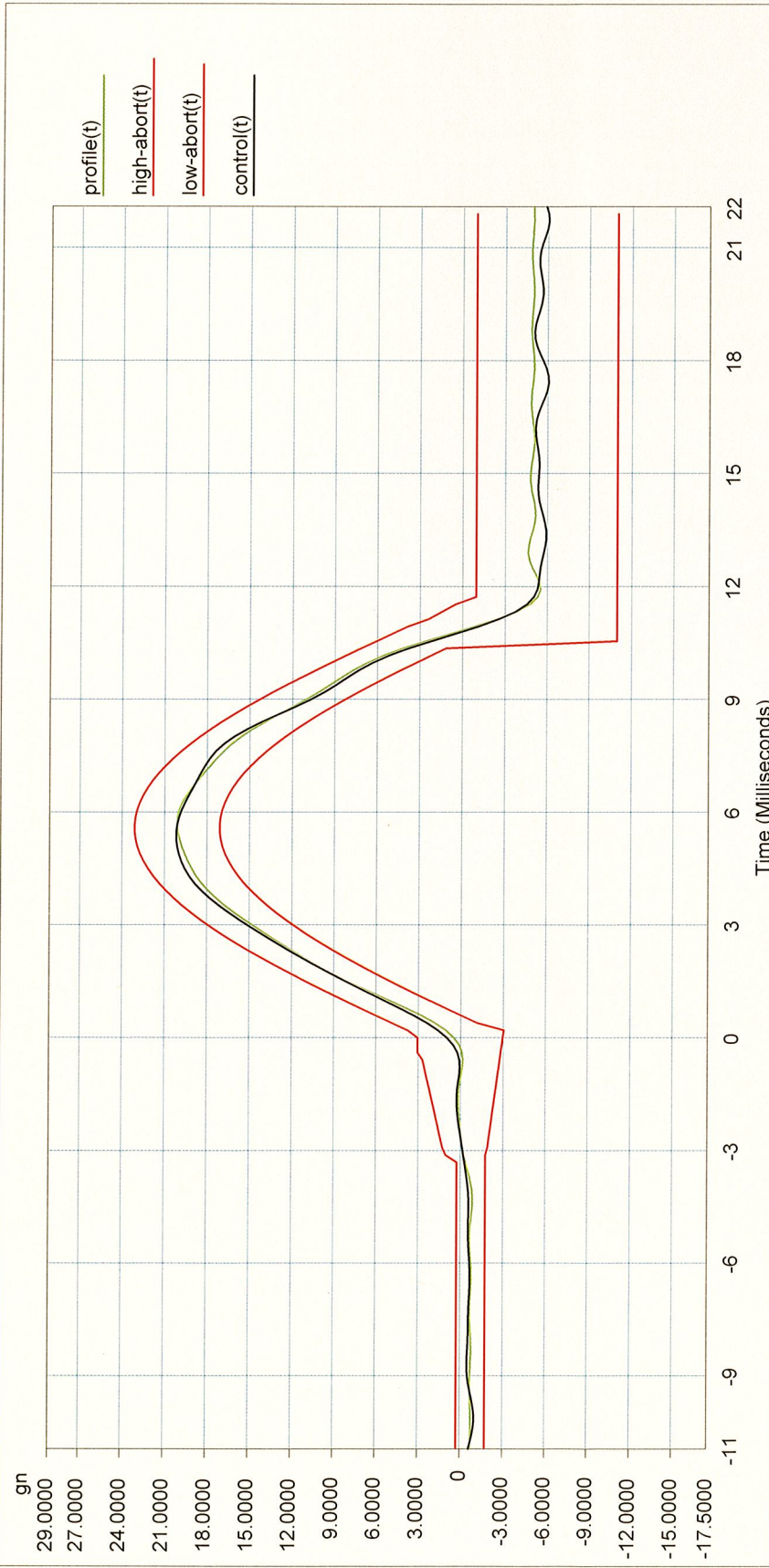
Axis -Z

Project File Name: 研場 20g 11mS.prj

Profile Name: 研場 20gn 11mSec

Test Type: Classical Shock

Run Folder: \RunDefault Dec 21, 2010 13-06-27



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

Frame Time: 0.400000 Seconds Control Peak: 20.063976 Control RMS: 2.961239 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 01:06:50 PM, Tuesday, December 21, 2010 Report created at 01:06:50 PM, Tuesday, December 21, 2010

-END-