

TESTING / INSPECTION REPORT

REPORT NO : ST-110620-1

COMPANY : AAEON Technology Inc.
ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.
Hsin-Tien City, Taipei, Taiwan, R. O. C.
TEL : 886-2-8919-1234
FAX : 886-2-8919-1049
SPECIMEN : ACP-5185 (with 2.5" SATA HDD)
DATE OF RECEIVED : 2011/06/17
DATE OF TESTED : 2011/06/17

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>Yi Kai Lai</i>	
Approval Signatory : <i>David Lee</i>	Laboratory Head : <i>Chang</i>



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TESTING EQUIPMENT :

- 1. Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
- 2. Controller : DACTRON COMET USB, S/N:9478158
- 3. Control Accelerometer : WILCOXON RESEARCH, Model:784A, S/N:23116

TEST ENVIRONMENT :

- Temperature : 24.0°C (25±10°C)
- Relative Humidity : 65%RH (50±25% RH)

SPECIMEN :

- Model : ACP-5185 (with 2.5" SATA HDD)
- Quantity : 1 Unit

TEST SPECIFICATION :

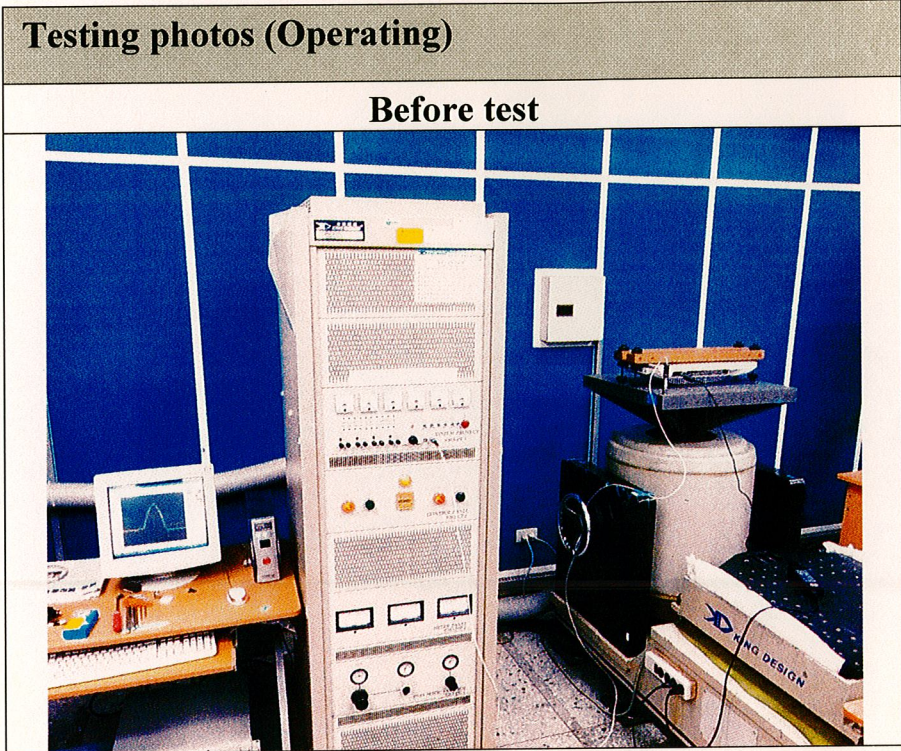
As per applicant's requirement

- Wave Form : Half sine wave (Operating)
- Acceleration : 20 g
- Duration Time : 11 mS
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

TEST RESULT :

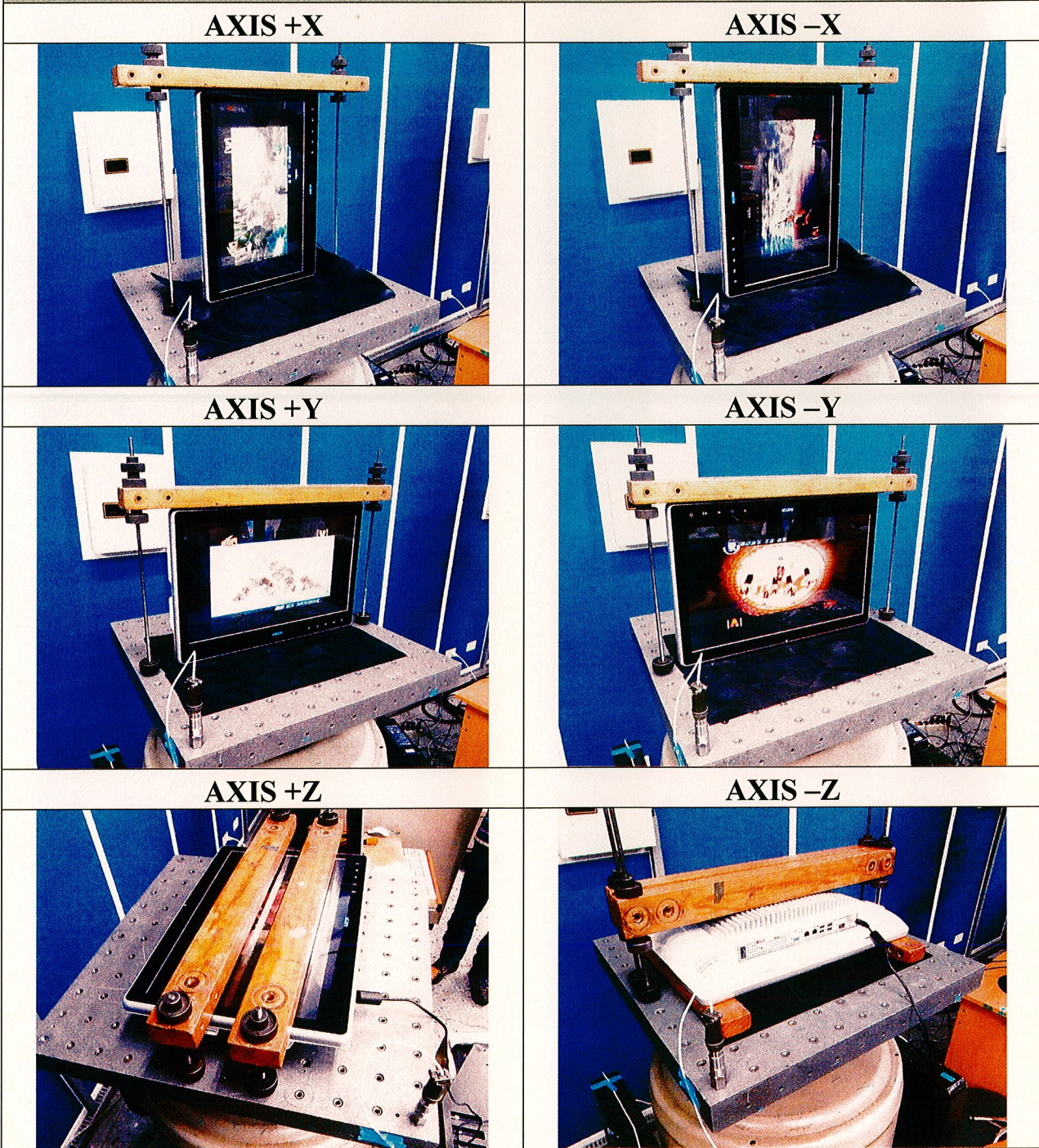
Describe	PASS	FAIL	Non-Judgment
Function judgment ⁽¹⁾	√	---	---
Appearance check ⁽²⁾	√	---	---
(1)—Bootting function was normal after the test. (2)—No visible damages were found.			

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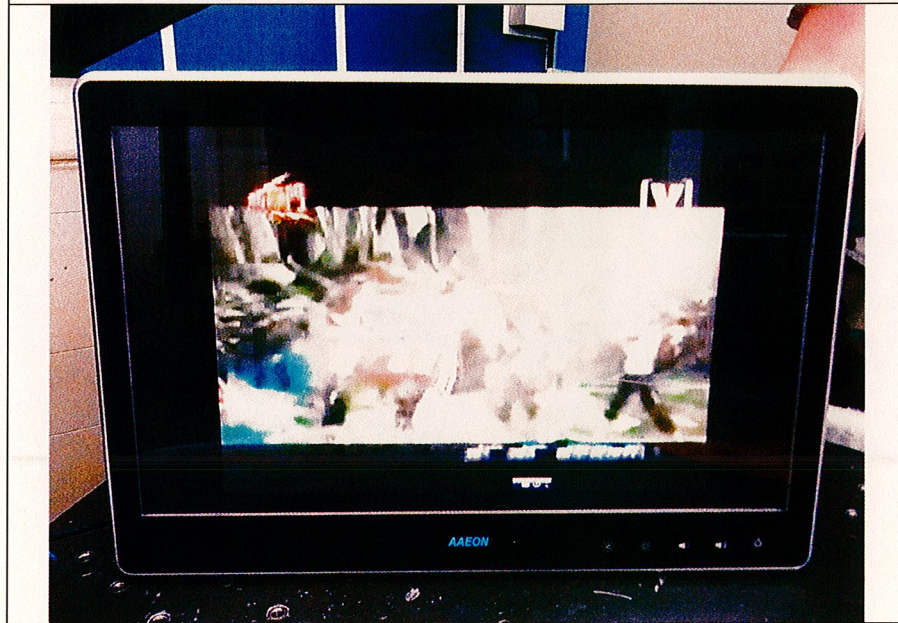
Testing photos (Operating)



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Testing photos

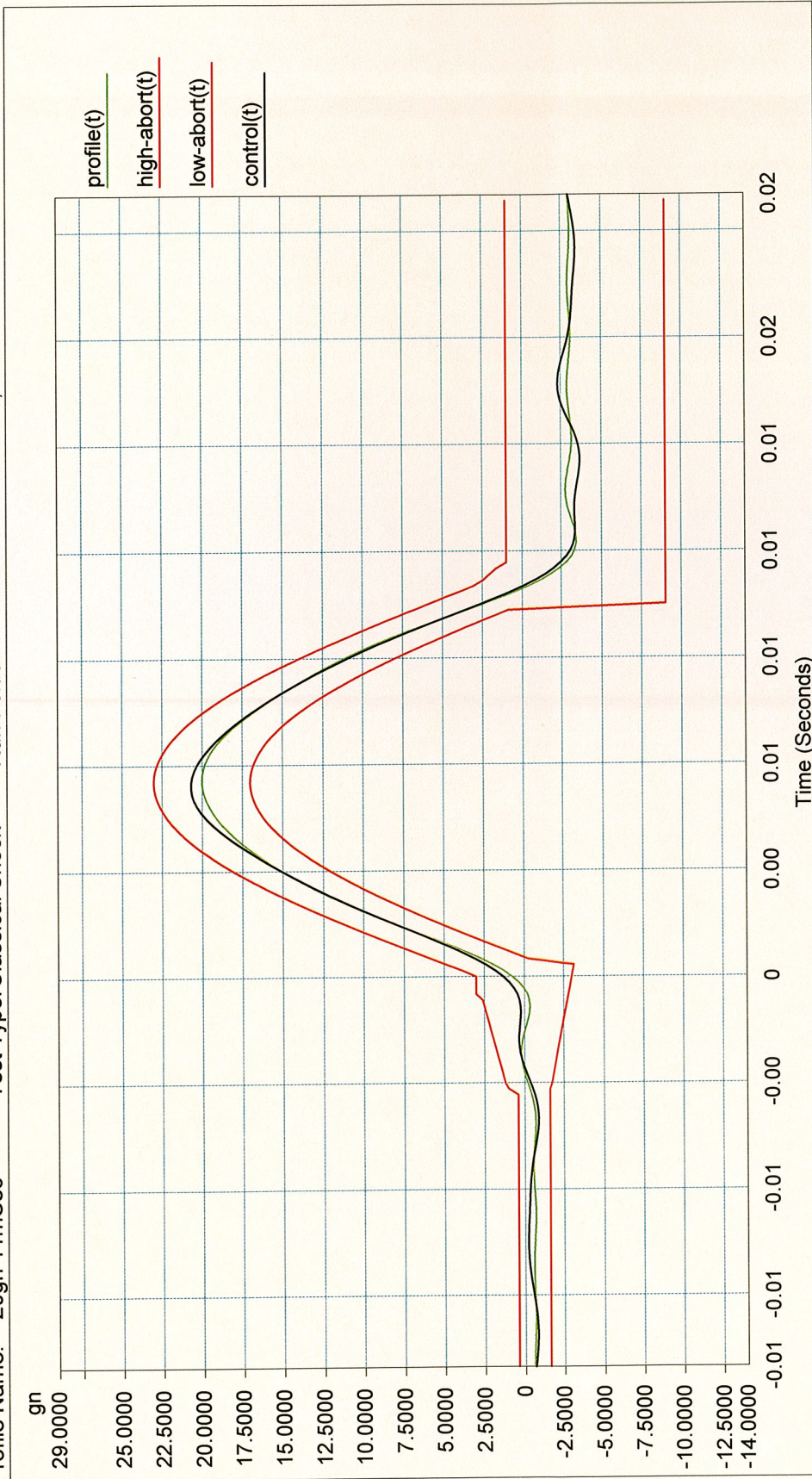
After test



+X Axis

Project File Name: 研揚 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 13-59-19

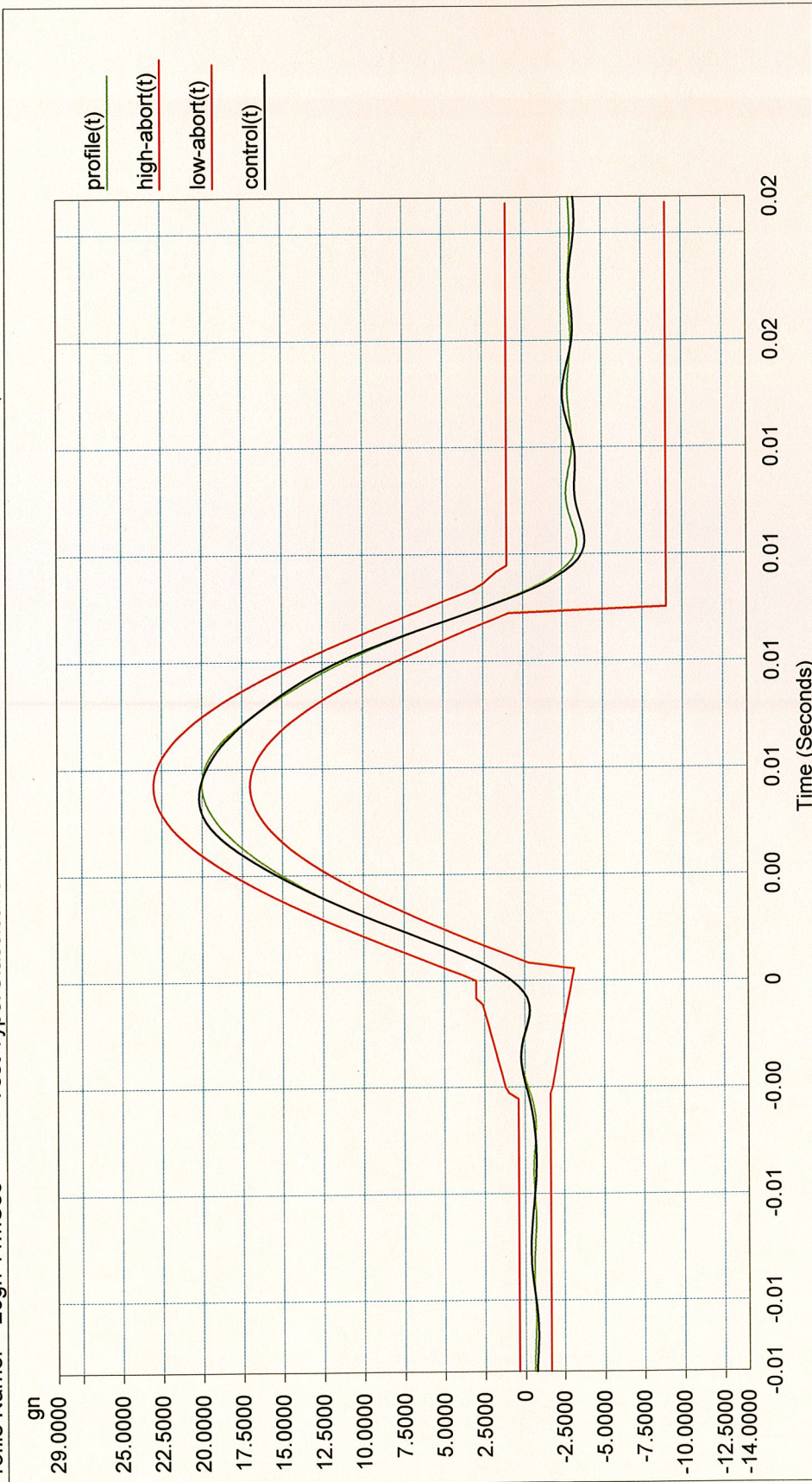


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.683670 Control RMS: 2.105659 Full Level Elapsed Pulses: 3
 dt: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-X Axis

Project File Name: 研揚 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 14-01-27

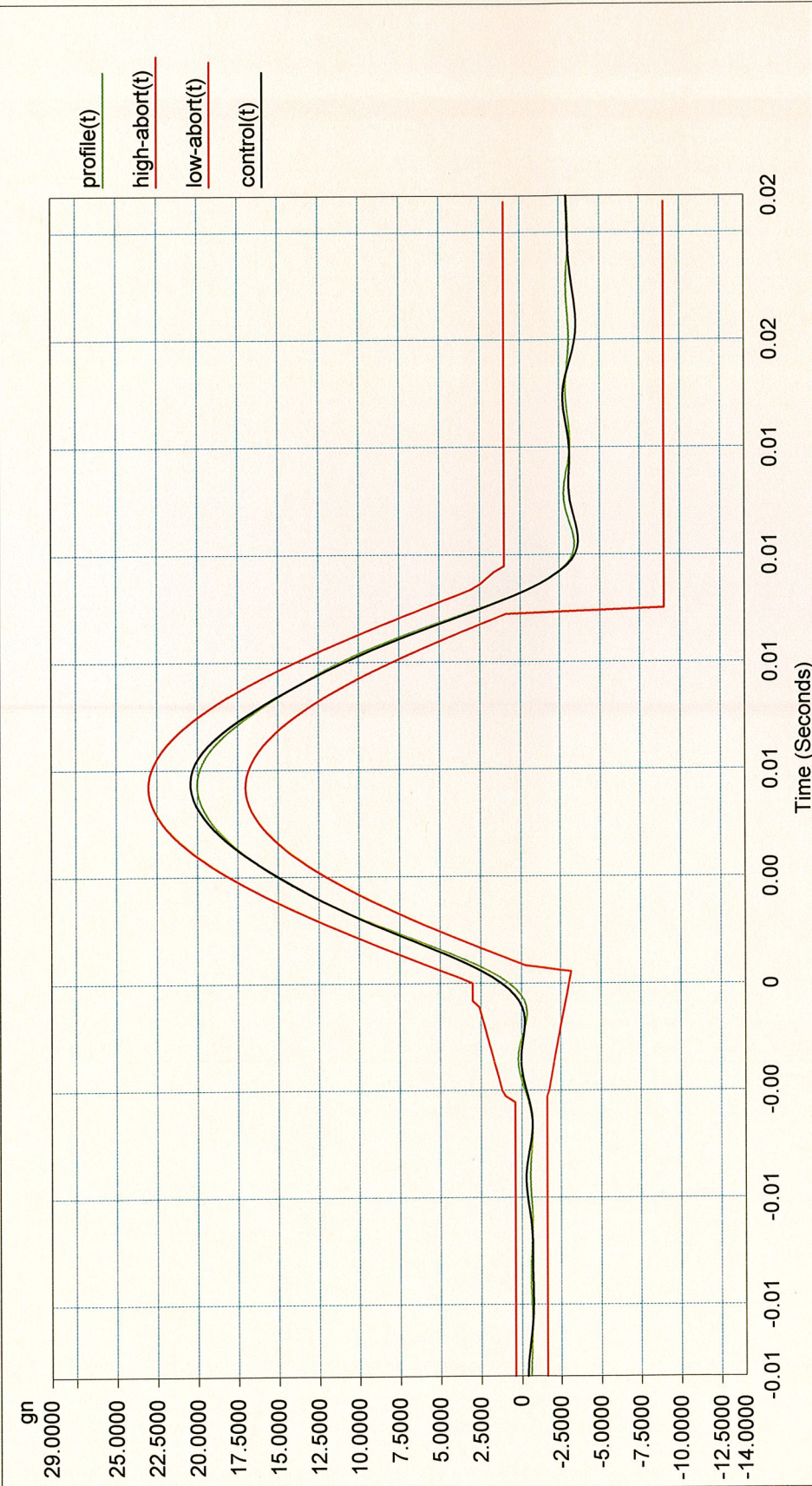


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.176874 Control RMS: 2.110944 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Y Axis

Project File Name: 研揚 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 13-54-37

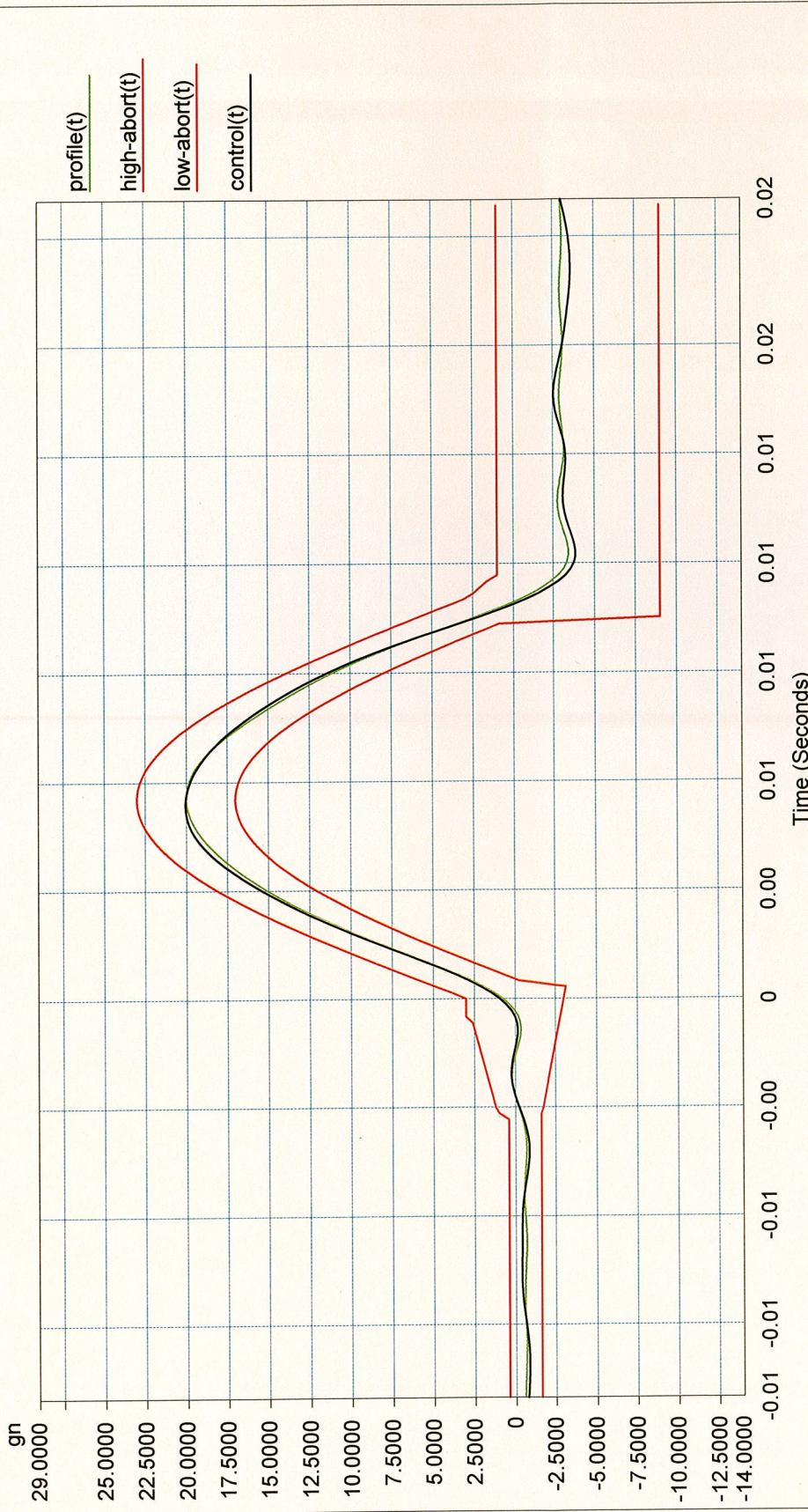


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.425970 Control RMS: 2.095961 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-Y Axis

Project File Name: 研揚 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 13-56-13

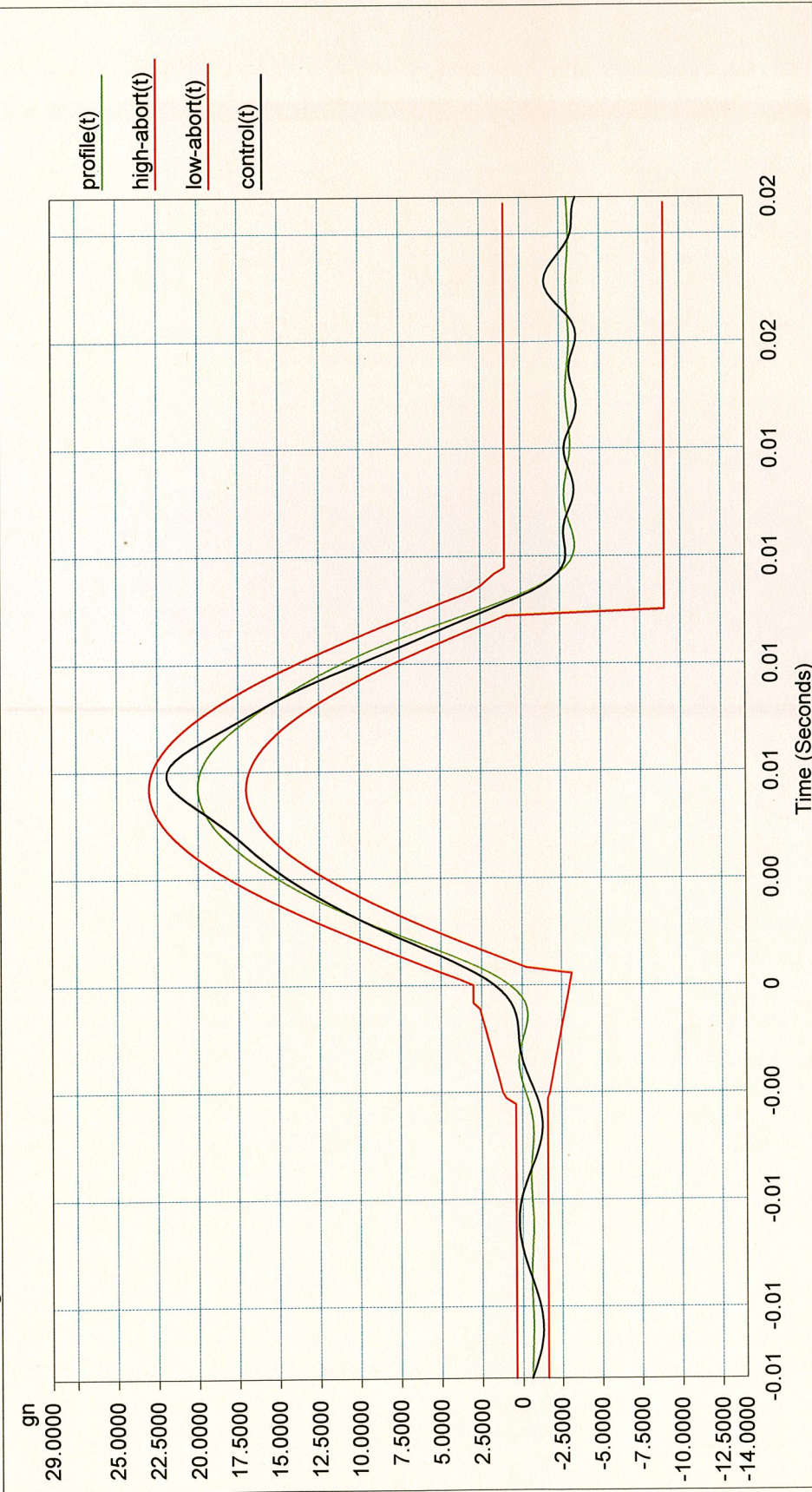


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.045422 Control RMS: 2.103528 Full Level Elapsed Pulses: 3
 dt: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Z Axis

Project File Name: 研揚 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 13-45-57

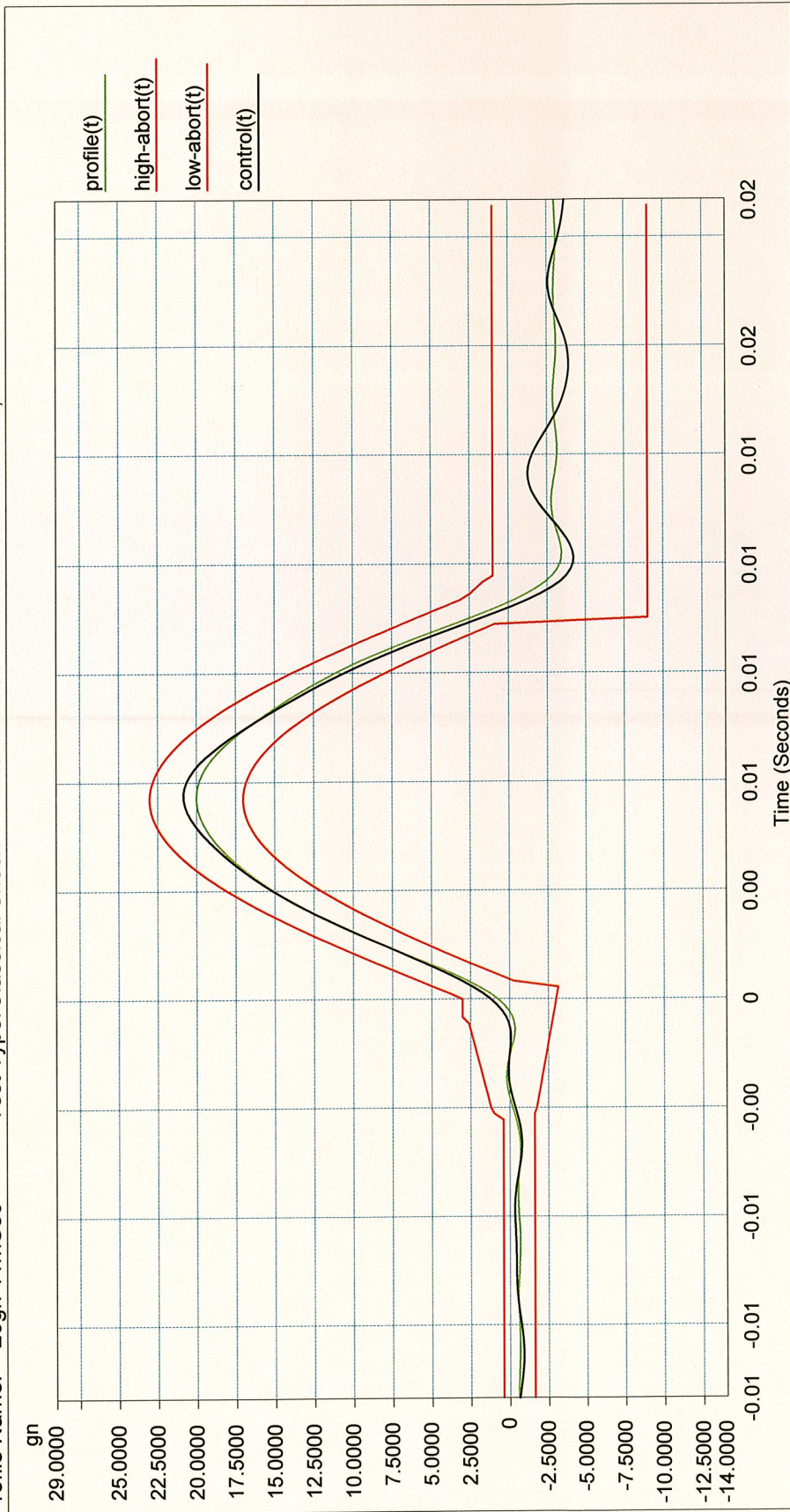


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 21.933538 Control RMS: 2.108830 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-Z Axis

Project File Name: 研場 20g 11mS new.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 17, 2011 13:51:36



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.838423 Control RMS: 2.101709 Full Level Elapsed Pulses: 3
 dt: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-END-