

TESTING / INSPECTION REPORT

REPORT NO : ST-110629-2

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SPECIMEN : AGD-312D
DATE OF RECEIVED : 2011/06/29
DATE OF TESTED : 2011/06/29

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>Cheng</i>
<i>2011. 6. 30.</i>	<i>Hsin Zai</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 | : 24.1°C (25±10°C) |
| Relative Humidity | : 61%RH (50±25% RH) |

SPECIMEN :

- | | |
|----------|------------|
| Model | : AGD-312D |
| 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.			

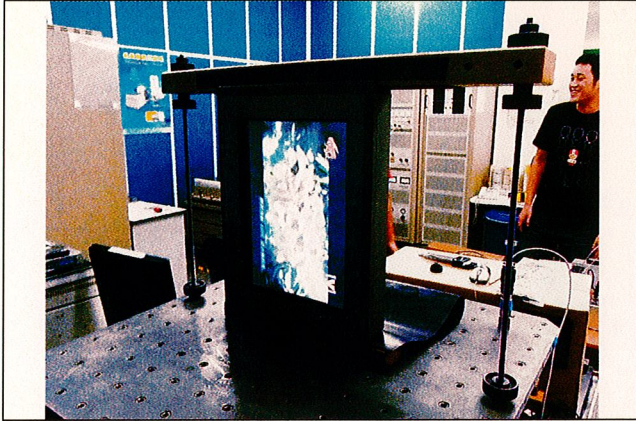
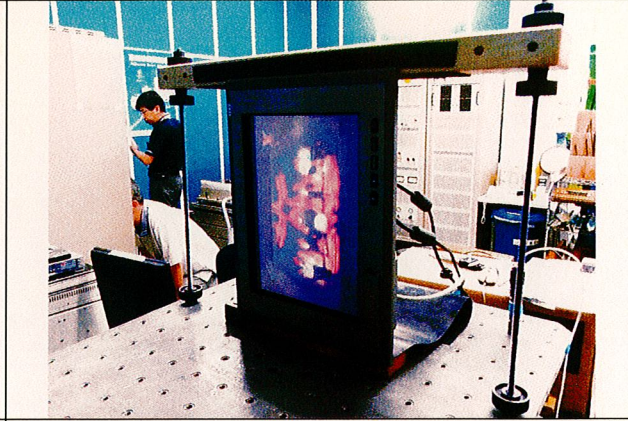

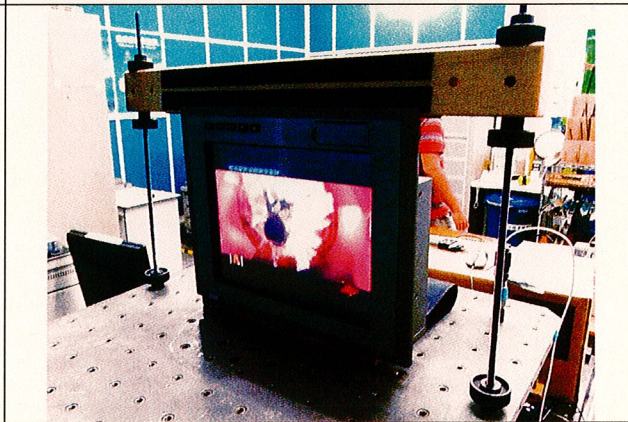

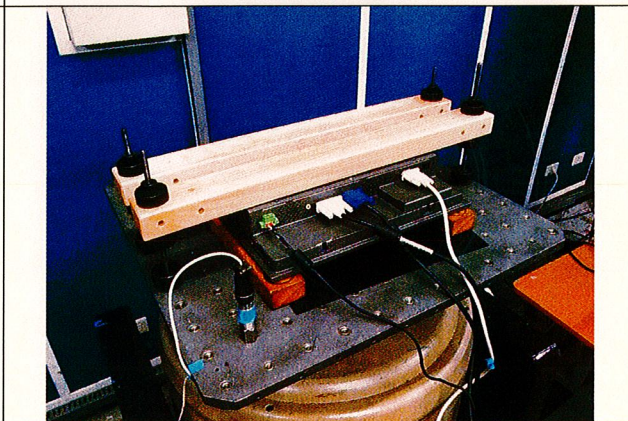
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Testing photos (Operating)

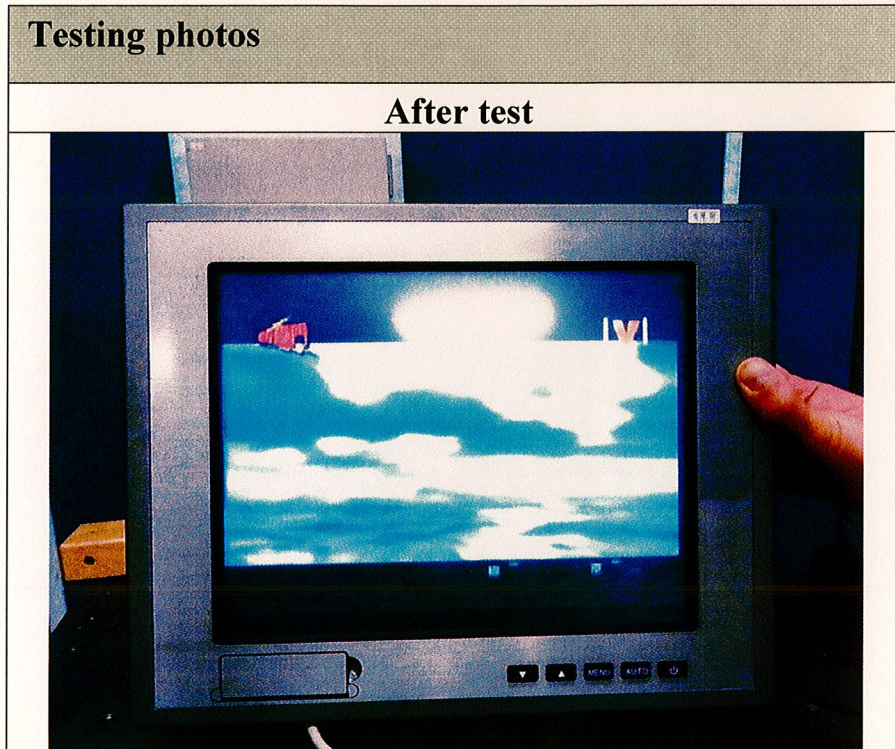
Before test



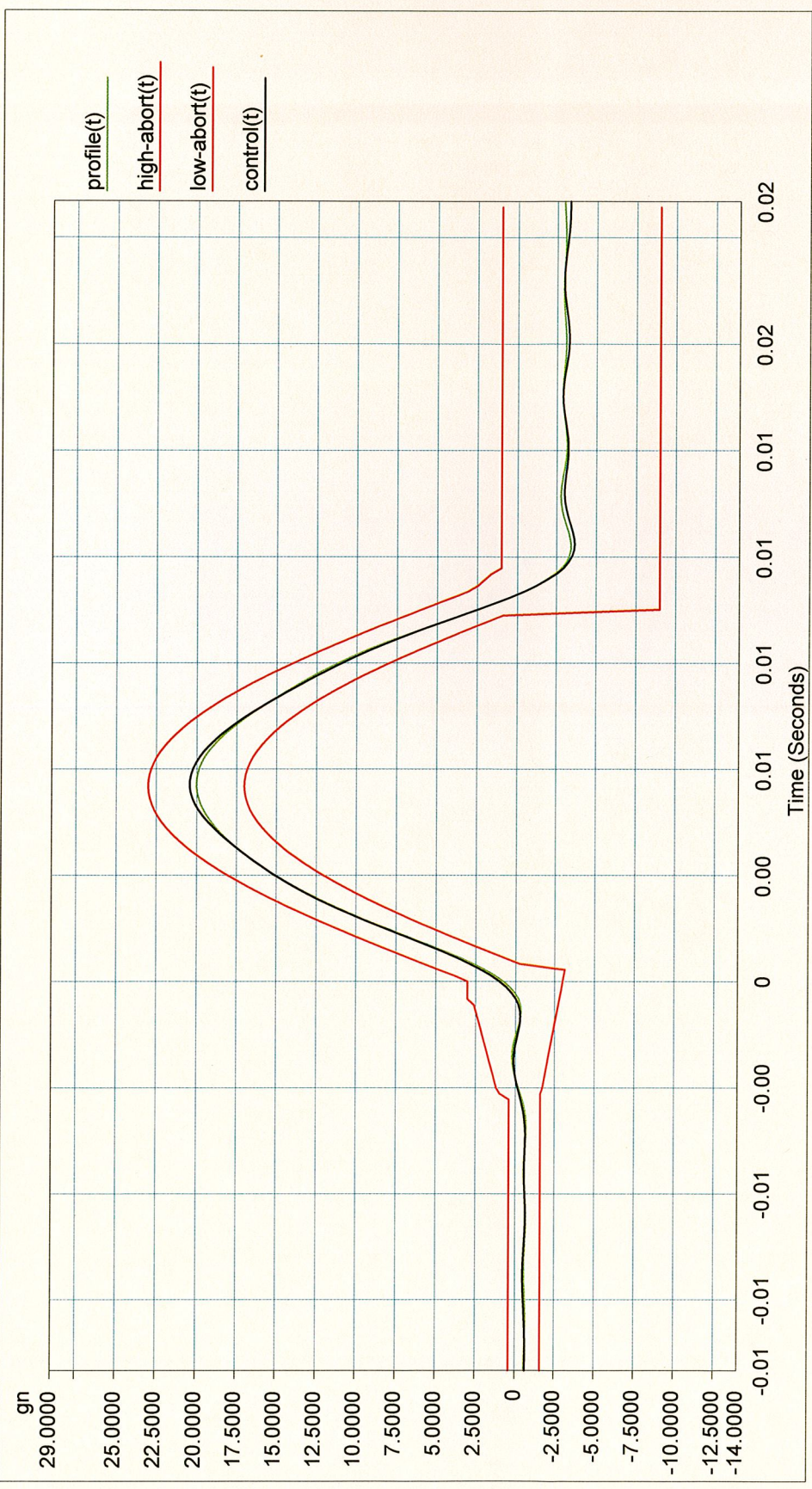
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Testing photos (Operating)	
AXIS +X	AXIS -X
	
AXIS +Y	AXIS -Y
	
AXIS +Z	AXIS -Z
	

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+X Axis
 Project File Name: 研揚 20g 11mS new.prj
 Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 29, 2011 13-23-19



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.422195 Control RMS: 2.091727 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 29, 2011 13:25:18

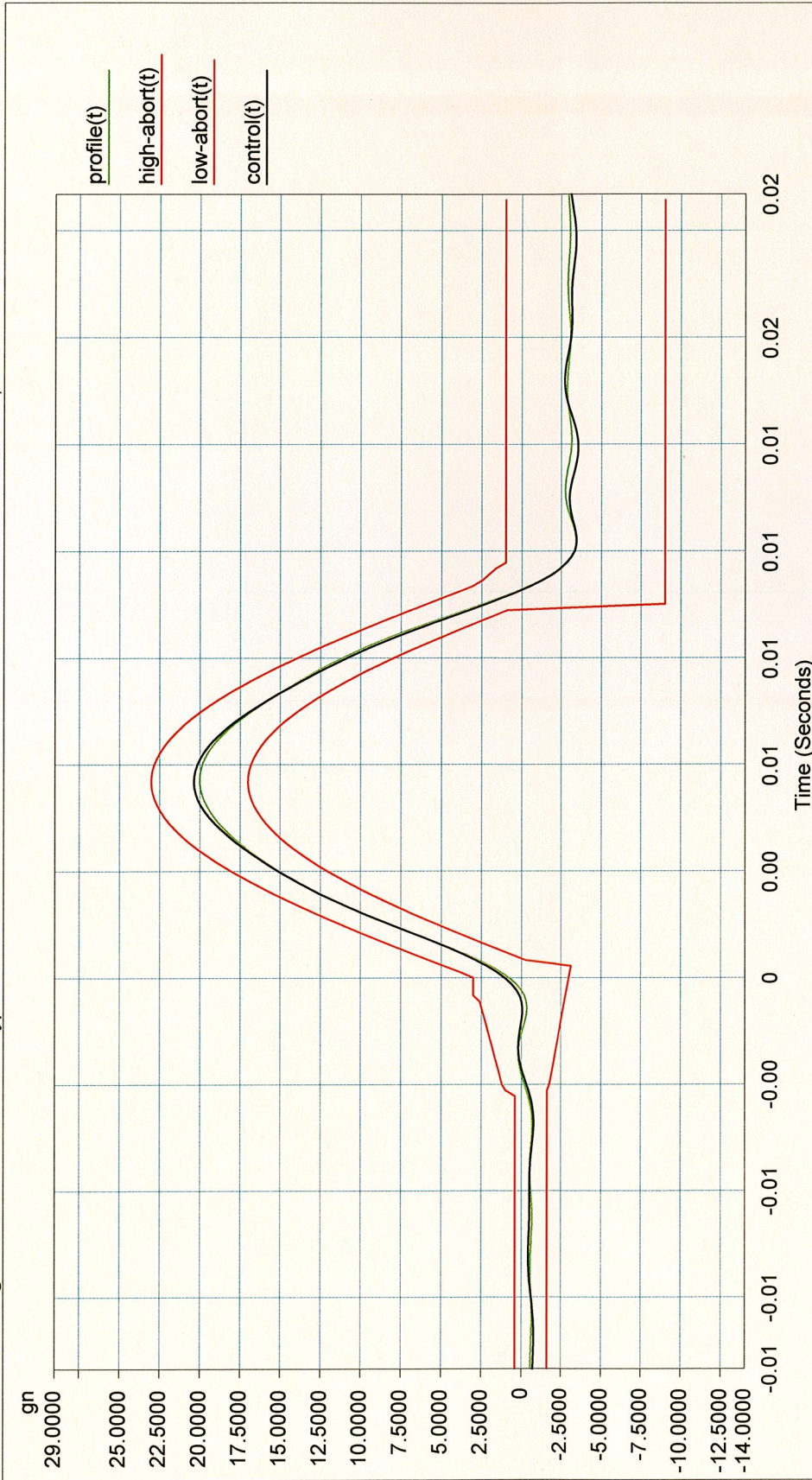


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.188713 Control RMS: 2.092853 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Y Axis

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

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 29, 2011 13-18-42



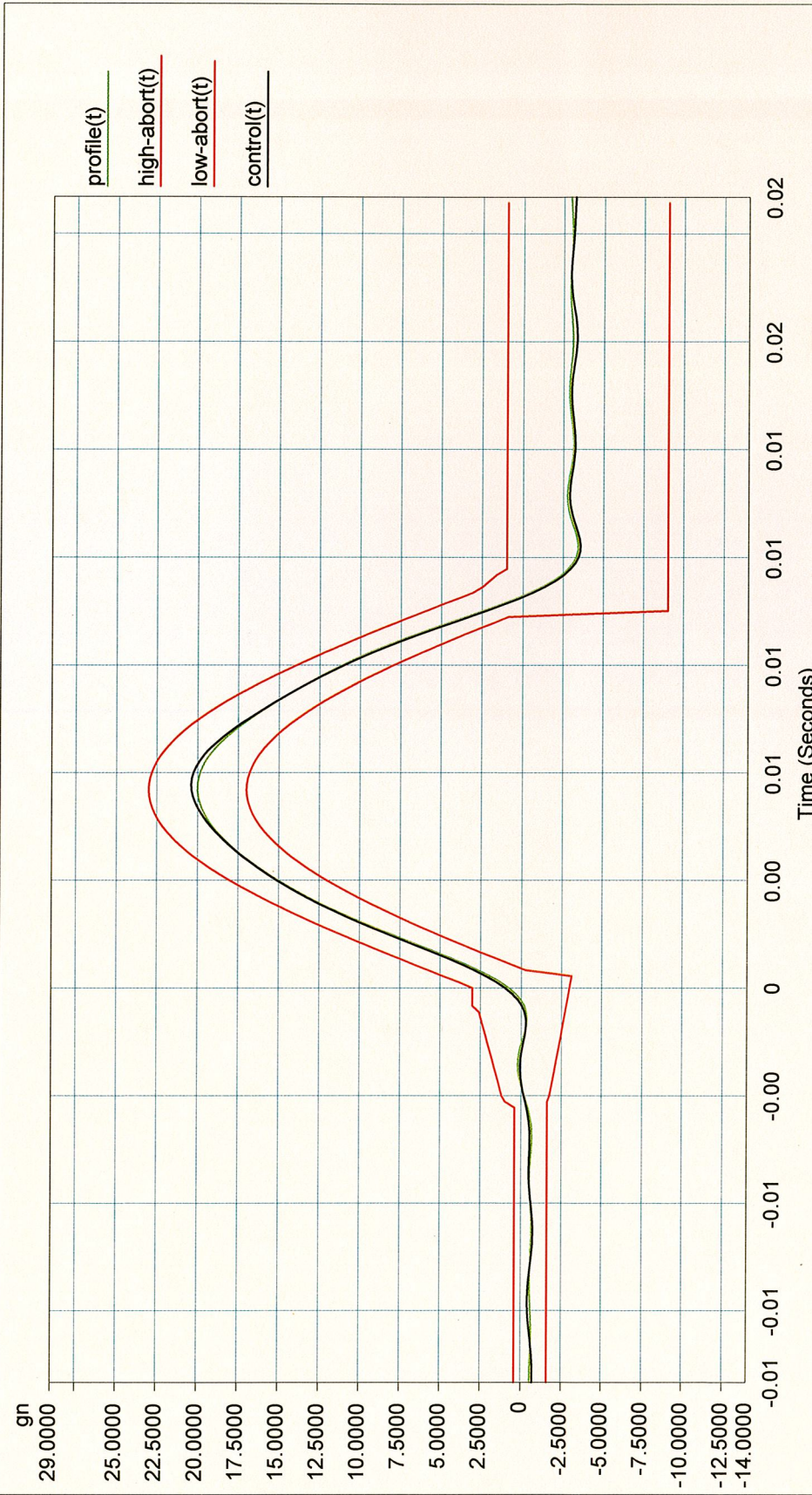
Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.373232 Control RMS: 2.092126 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Y Axis

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

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 29, 2011 13-21-14

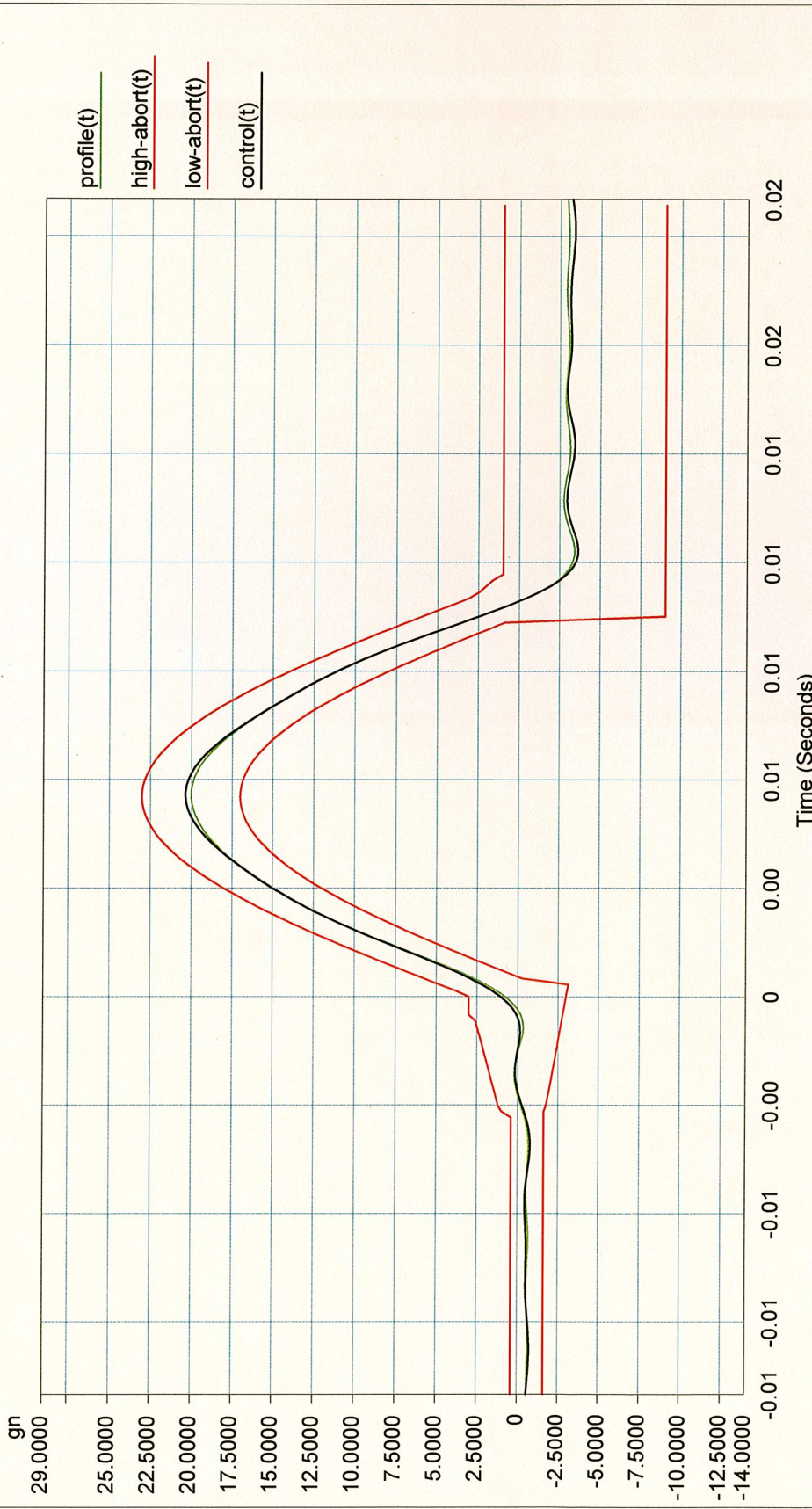


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
Frame Time: 0.682667 Seconds Control Peak: 20.398483 Control RMS: 2.096521 Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Z Axis

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

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .IRunDefault Jun 29, 2011 13-12-10



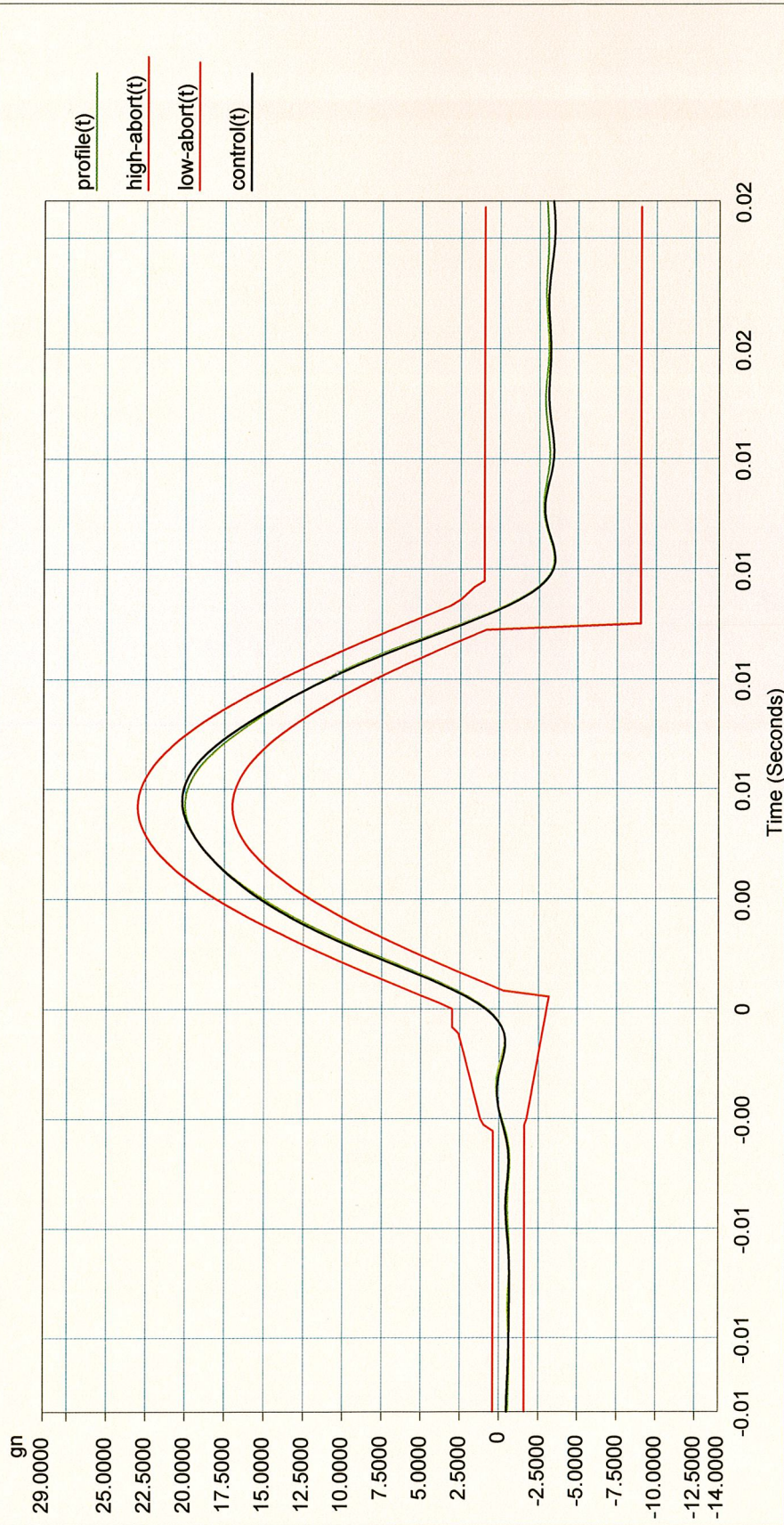
Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.365137 Control RMS: 2.094171 Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 Demand RMS: 2.048354 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Z Axis

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

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: \RunDefault Jun 29, 2011 13-14-35



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.193005 Control RMS: 2.098977 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-