

TESTING / INSPECTION REPORT

REPORT NO : ST-080508-4

COMPANY : AAEON Technology Inc.
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FAX : 886-2-8919-1049
SPECIMEN : FWS-7600 (with 3.5"HDD)
DATE OF RECEIVED : 2008/05/07
DATE OF TESTED : 2008/05/07

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 18 pages, and no part of it may be abstracted or reproduced.

Test Engineer : <i>Lynn Chen</i>	
Approval Signatory : <i>David Lee</i>	Laboratory Head : <i>Changshin Zou</i>



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TEST ENVIRONMENT :

- | | |
|--------------------------|--|
| 1. Shock 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 | : 26°C (25±10°C) |
| Relative Humidity | : 66%RH (60±20% RH) |

SPECIMEN :

- | | |
|----------|---------------------------|
| Model | : FWS-7600 (with 3.5"HDD) |
| Quantity | : 1 piece |

TEST SPECIFICATION :

- | | |
|-----------------|----------------------------------|
| (1) Wave Form | : Half sine wave (Operation) |
| Acceleration | : 10 g |
| Duration Time | : 11 ms |
| Shock Direction | : ±X, ±Y, ±Z axis |
| No. of Shock | : Each axis 3 times |
| (2) Wave Form | : Half sine wave (Non-Operation) |
| Acceleration | : 20 g |
| Duration Time | : 11 ms |
| Shock Direction | : ±X, ±Y, ±Z axis |
| No. of Shock | : Each axis 3 times |

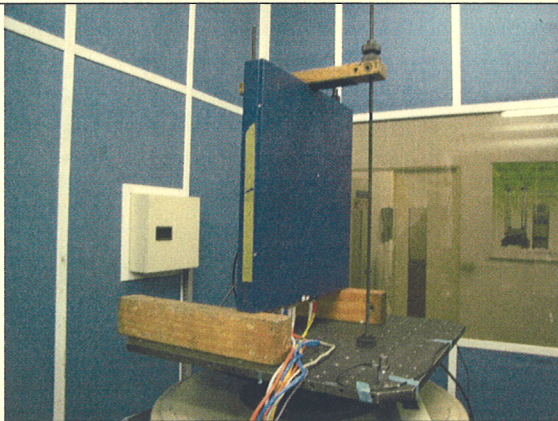
TEST RESULT :

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

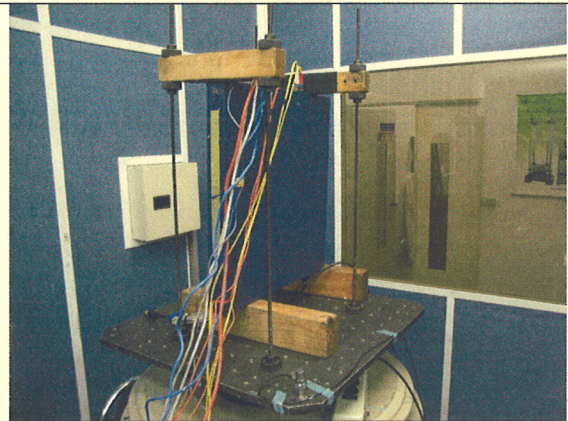
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Testing photos (Operation)

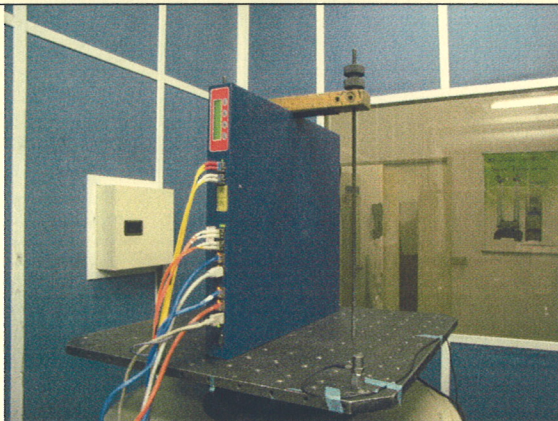
AXIS X



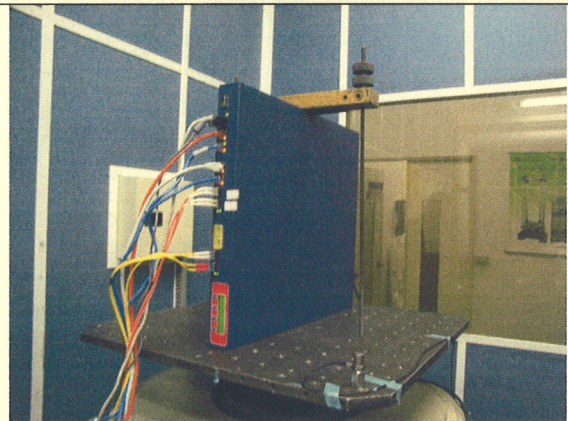
AXIS -X



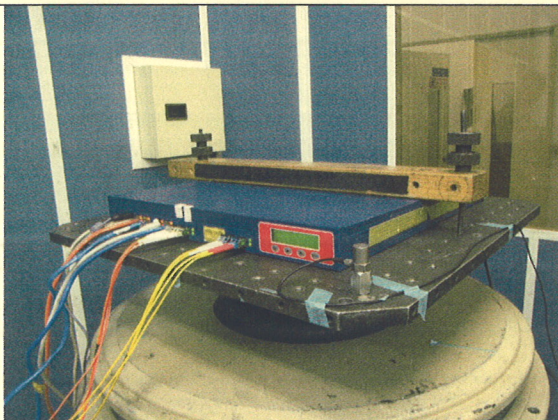
AXIS Y



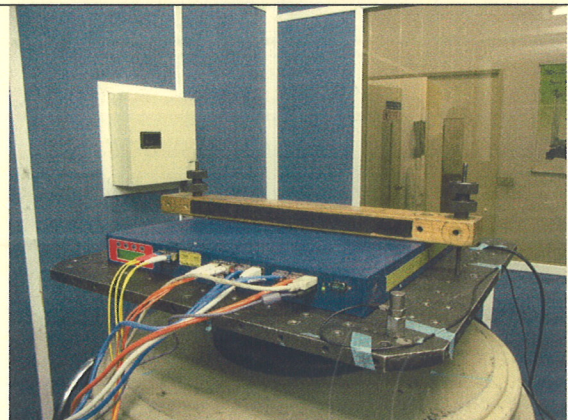
AXIS -Y



AXIS Z



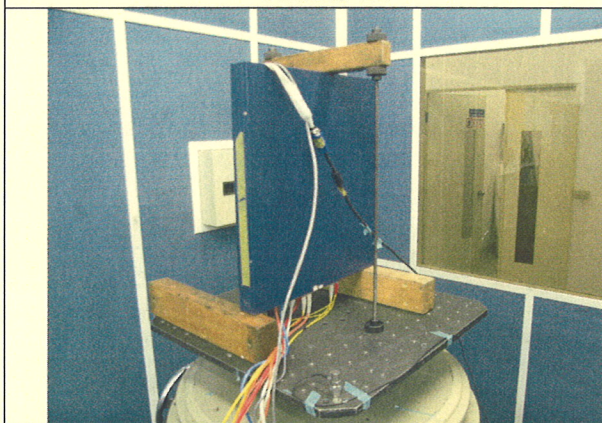
AXIS -Z



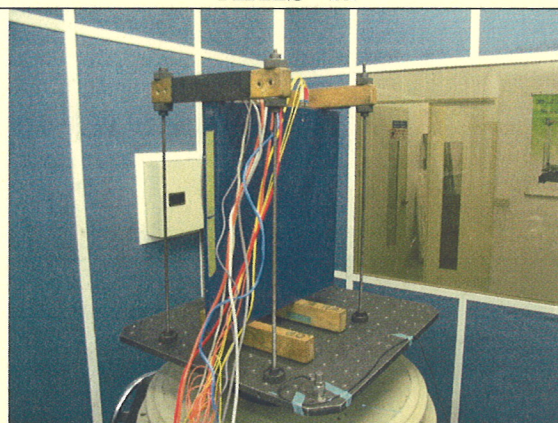
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Testing photos (Non-Operation)

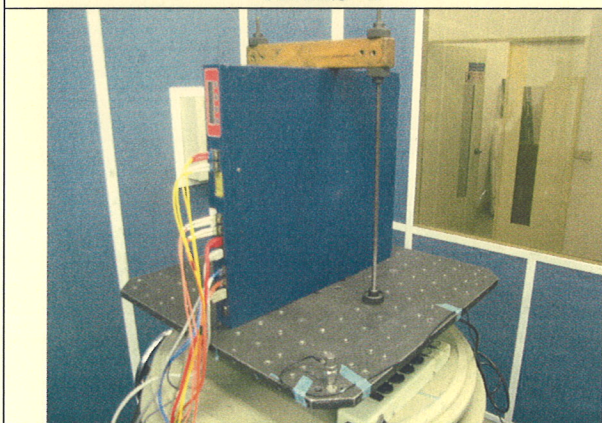
AXIS X



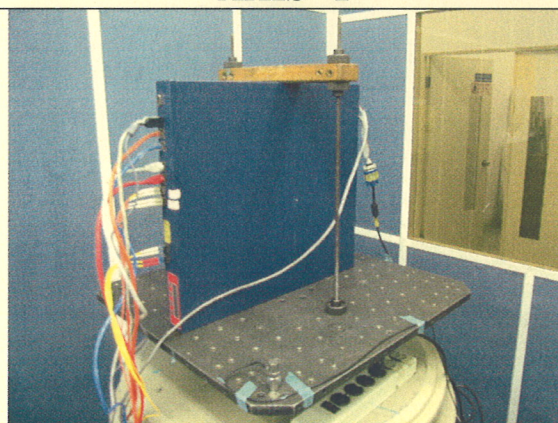
AXIS -X



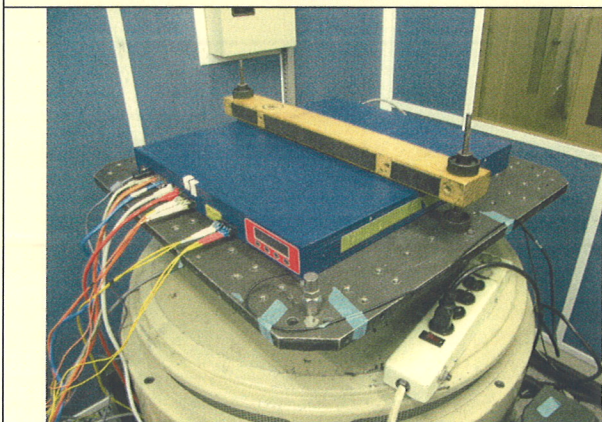
AXIS Y



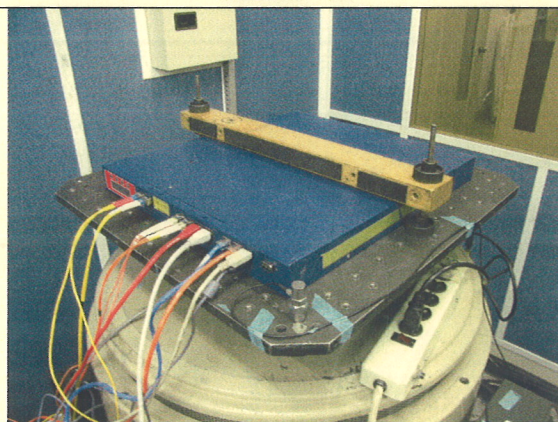
AXIS -Y



AXIS Z



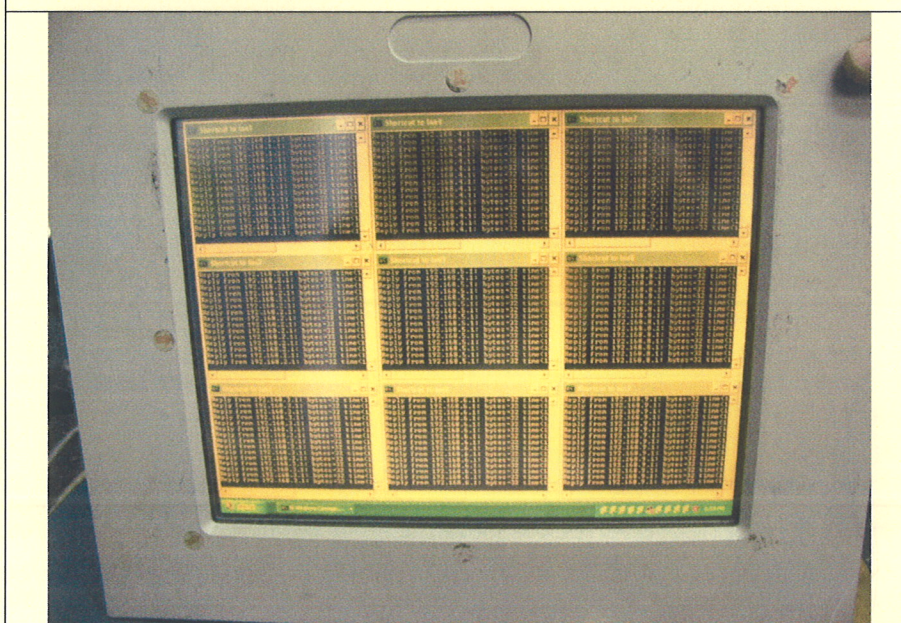
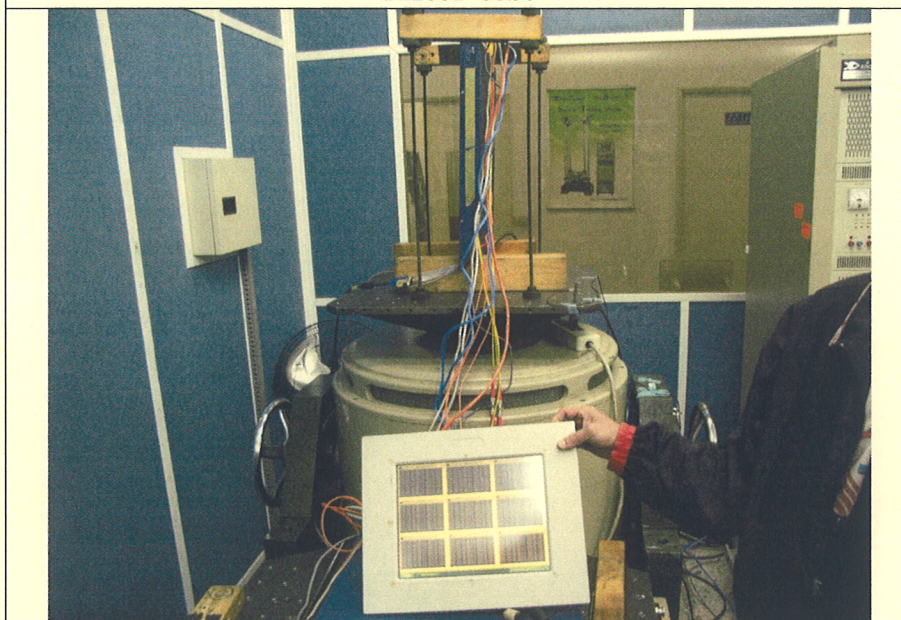
AXIS -Z



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Testing photos (Operation)

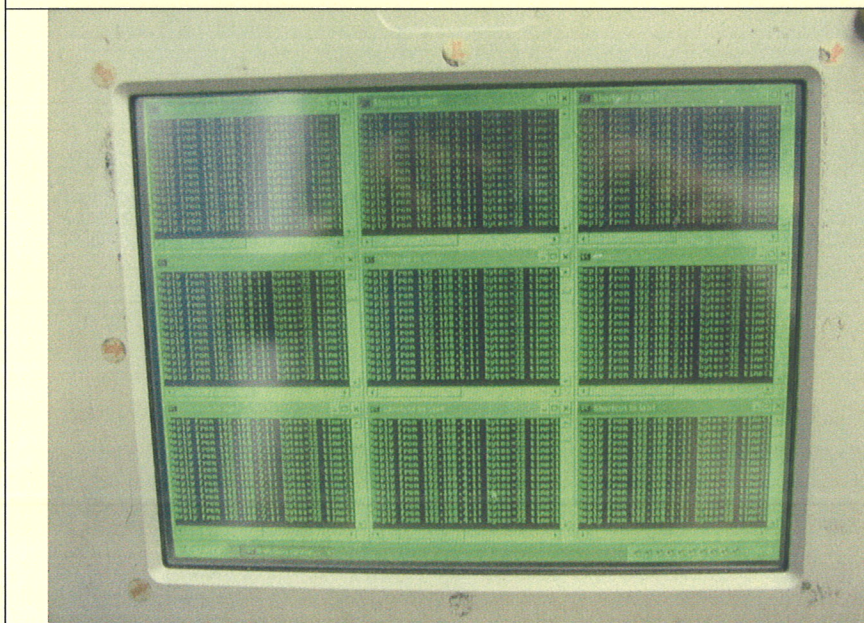
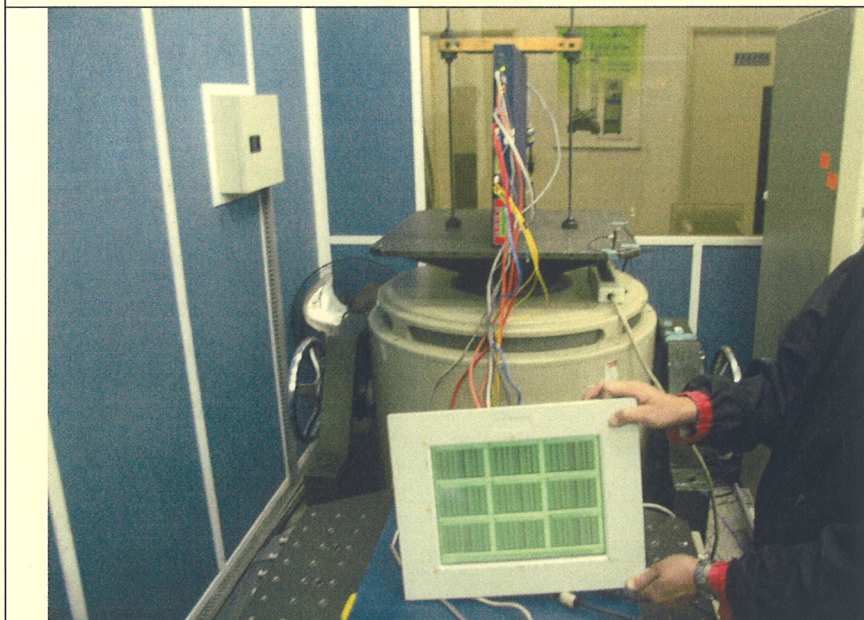
After test



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Testing photos (Non-Operation)

After test

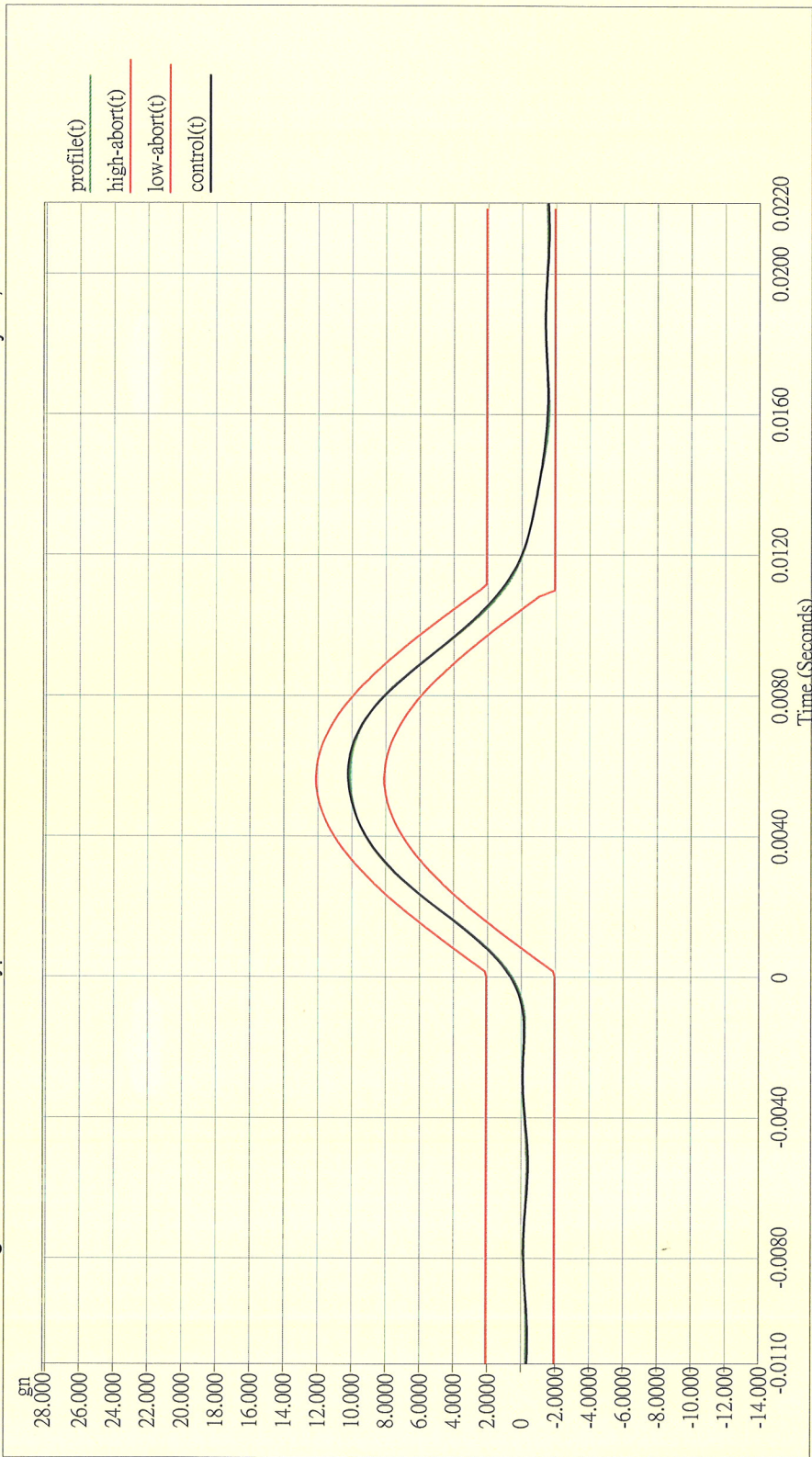




Axis X

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07, 2008 11-05-47

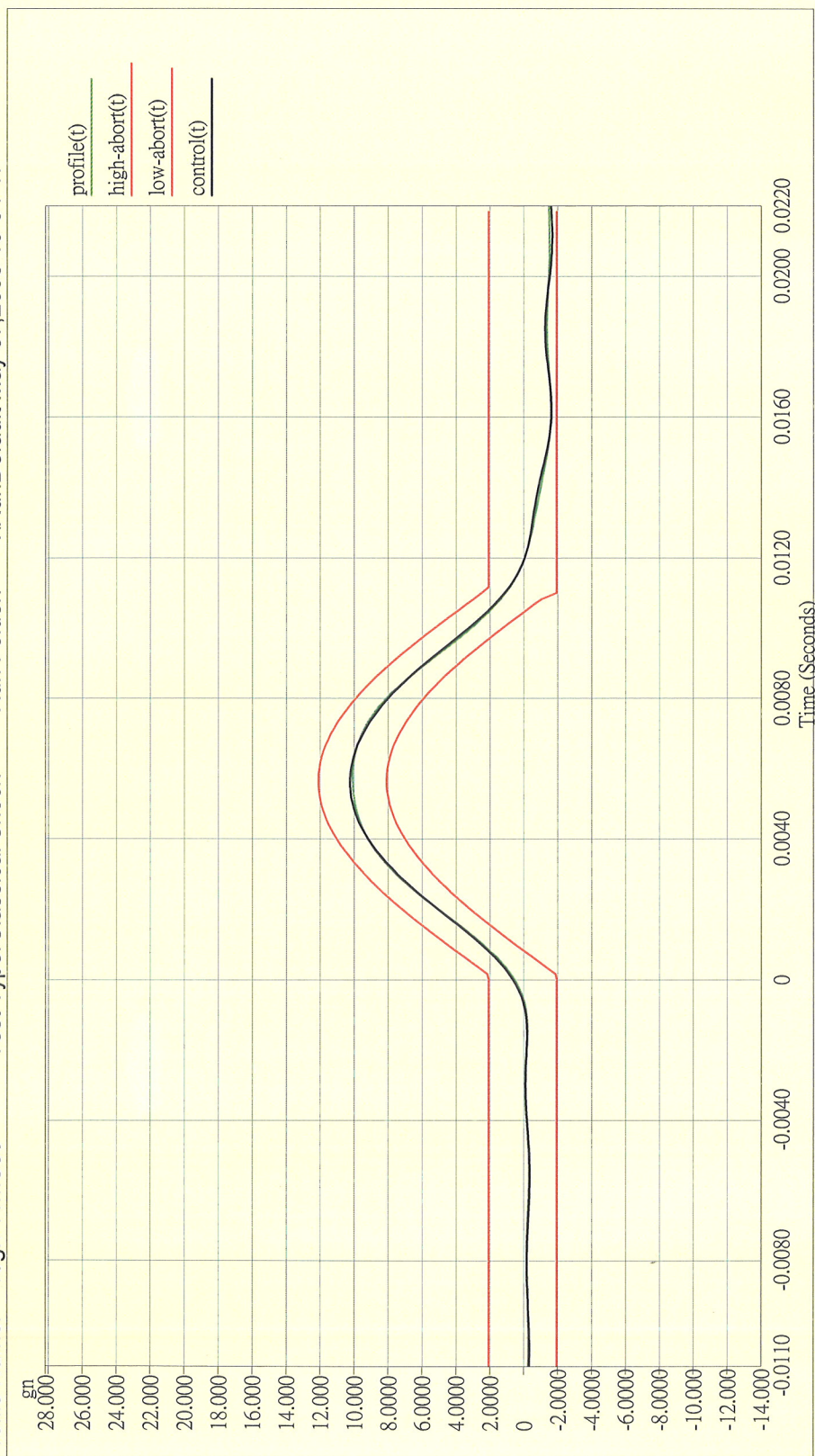


Level: 100 % Block Size: 4096 Elapsed Pulses: 15
Frame Time: 0.682667 Seconds Control Peak: 10.109173 gn Control RMS: 1.012055 gn Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms
Data saved at 11:06:09 AM, Wednesday, May 07, 2008 Report created at 11:06:09 AM, Wednesday, May 7, 2008

Axis -X

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07, 2008 10-54-17



Level: 100 % Block Size: 4096 Elapsed Pulses: 15

Frame Time: 0.682667 Seconds Control Peak: 10.130186 gn Control RMS: 1.011420 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

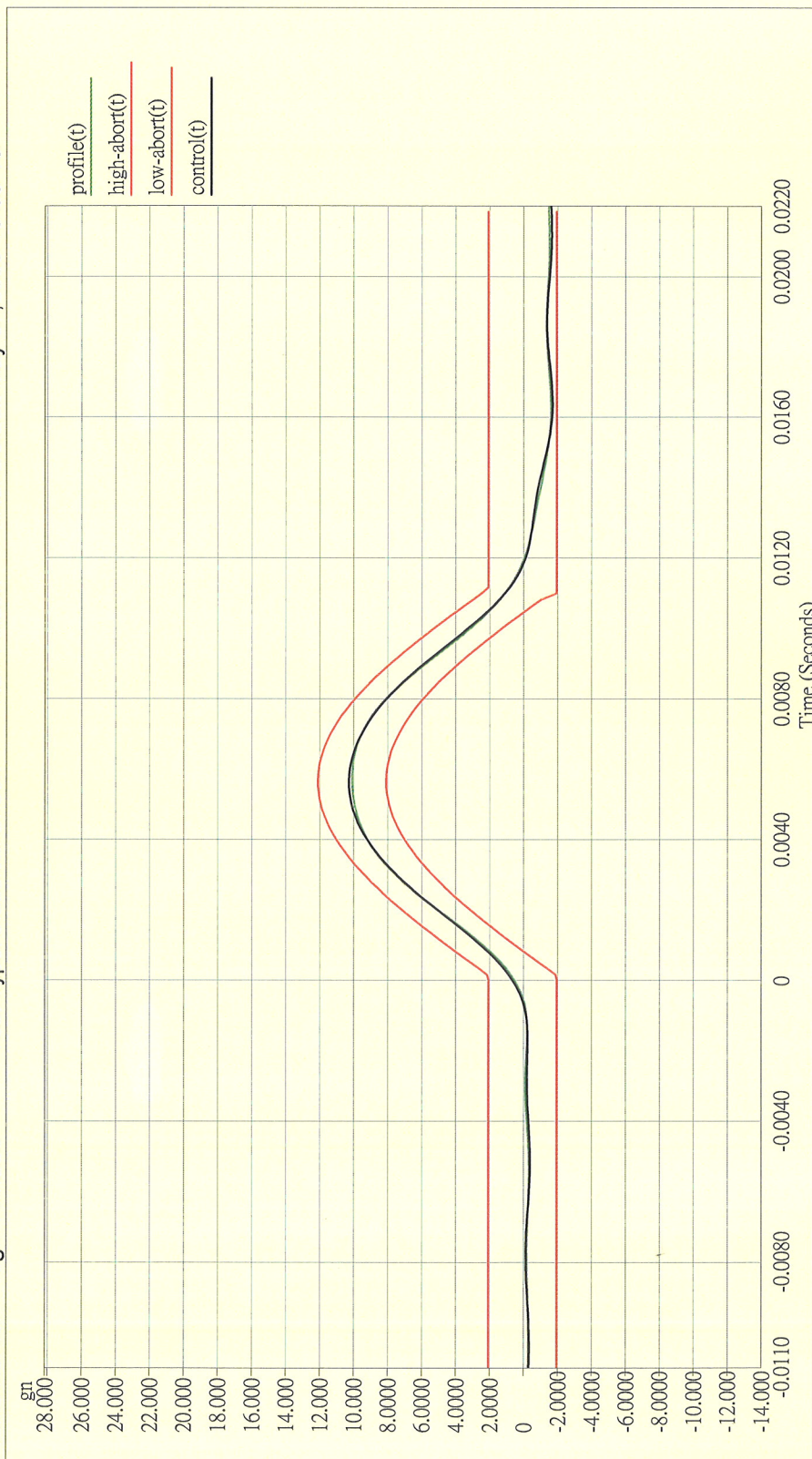
Data saved at 10:54:35 AM, Wednesday, May 07, 2008 Report created at 10:54:36 AM, Wednesday, May 7, 2008



Axis Y

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07,2008 10-53-18



Level:

100 % Block Size: 4096 Elapsed Pulses: 15

Frame Time: 0.682667 Seconds Control Peak: 10.172806 gn Control RMS: 1.015828 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0

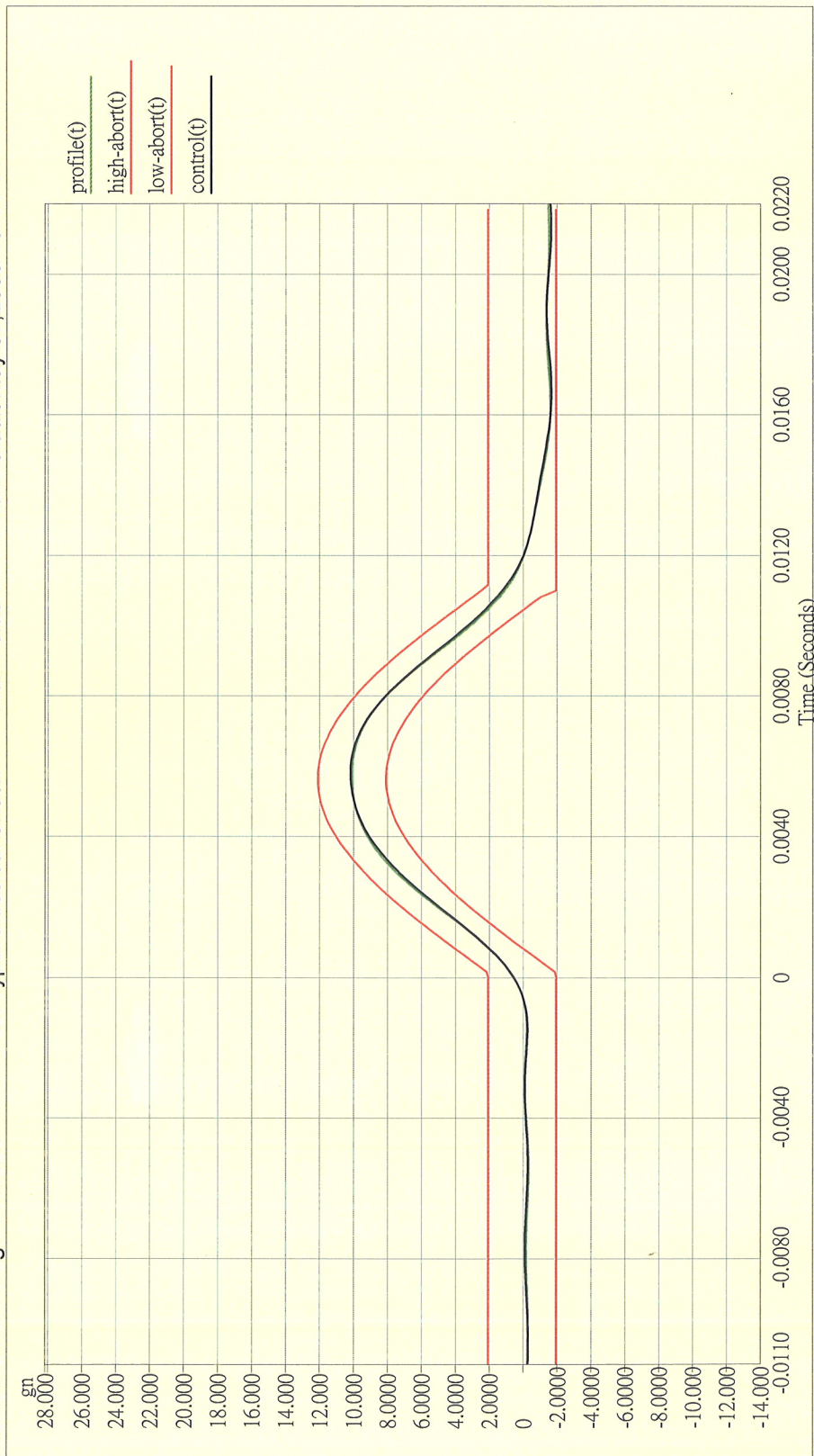
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 10:53:37 AM, Wednesday, May 07, 2008 Report created at 10:53:38 AM, Wednesday, May 7, 2008

Axis -Y

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07,2008 10-44-44



Level: 100 % Block Size: 4096 Elapsed Pulses: 16

Frame Time: 0.682667 Seconds Control Peak: 10.074492 gn Control RMS: 1.007593 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0

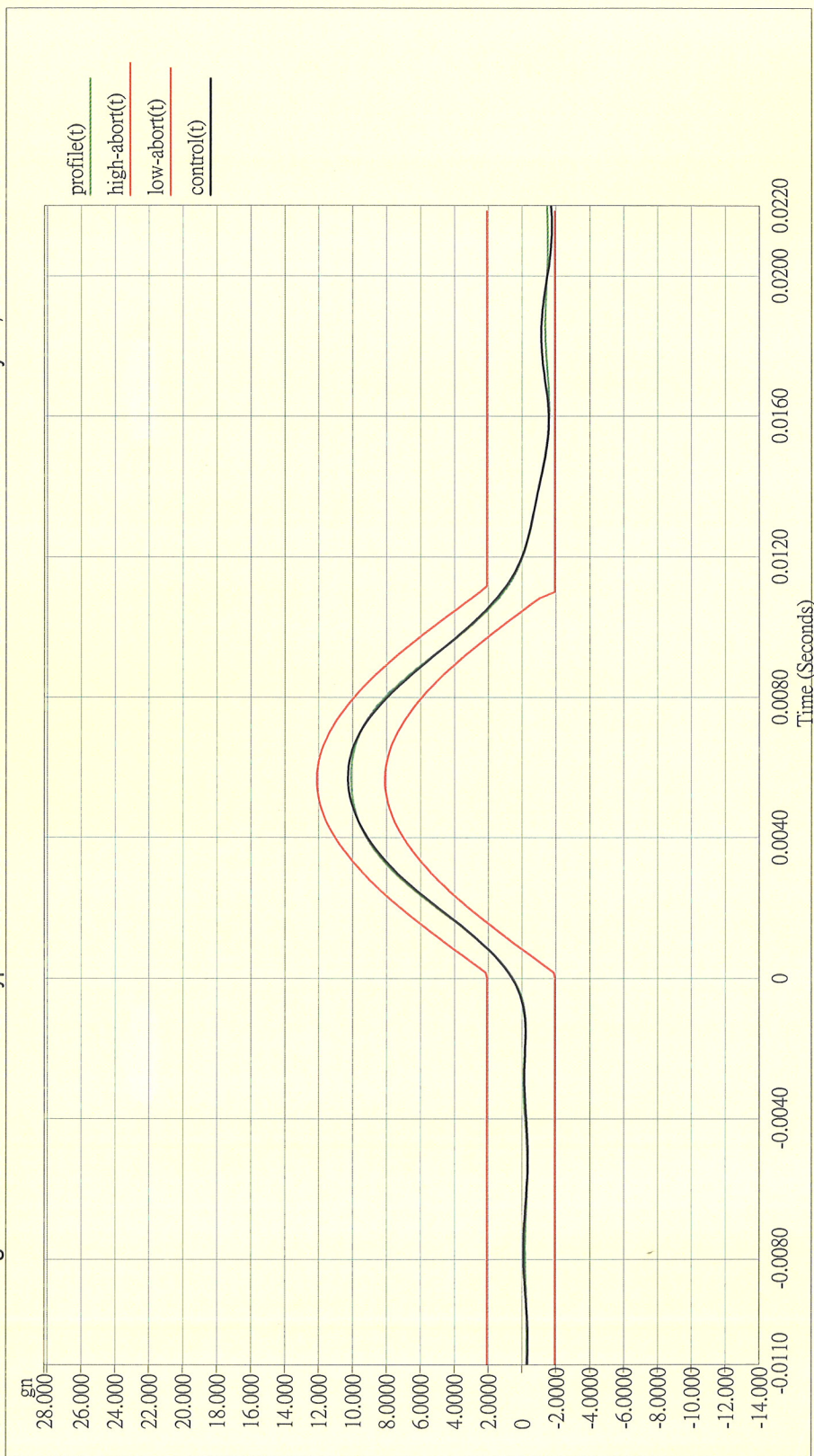
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 10:45:02 AM, Wednesday, May 07, 2008 Report created at 10:45:02 AM, Wednesday, May 7, 2008

Axis Z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07, 2008 10-39-01



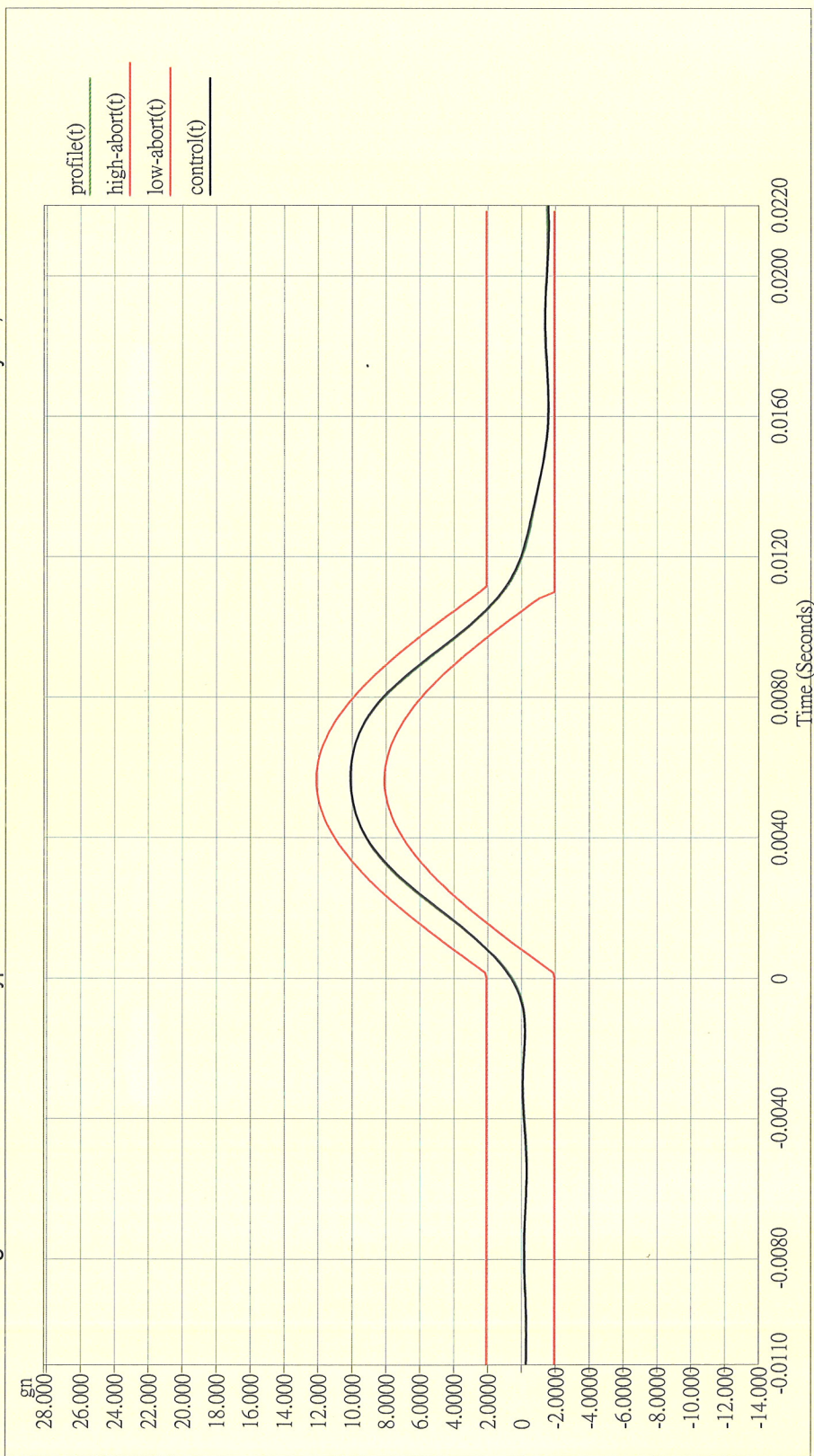
Level: 100 % Block Size: 4096 Elapsed Pulses: 16
 Frame Time: 0.682667 Seconds Control Peak: 10.165000 gn Control RMS: 1.007038 gn Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms
 Data saved at 10:39:20 AM, Wednesday, May 07, 2008 Report created at 10:39:21 AM, Wednesday, May 7, 2008



Axis -Z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07,2008 10-43-07



Level: 100 % Block Size: 4096 Elapsed Pulses: 15

Frame Time: 0.682667 Seconds Control Peak: 9.983245 gn Control RMS: 1.006506 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.003556 gn Remaining Pulses: 0

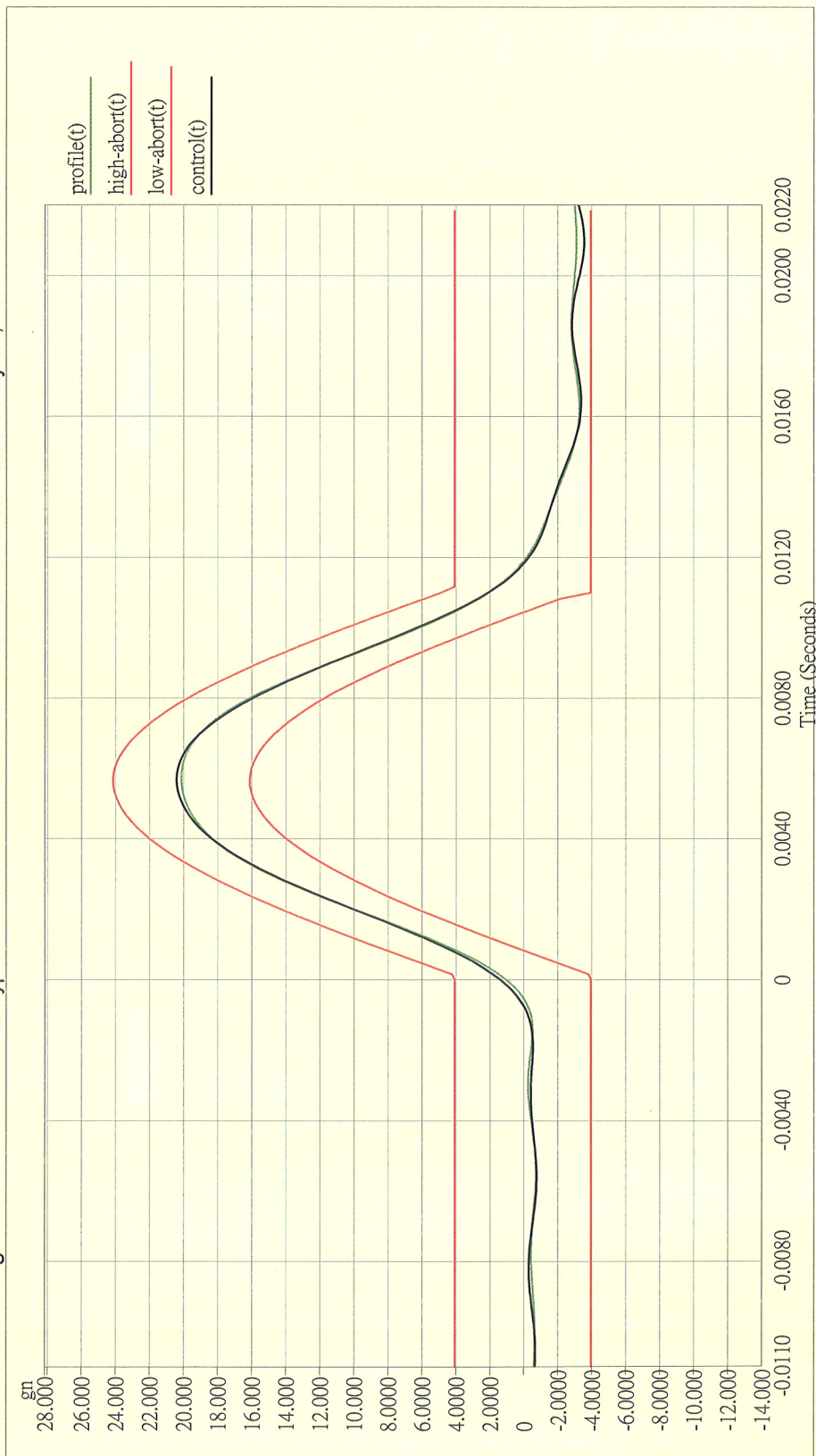
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 10:43:25 AM, Wednesday, May 07, 2008 Report created at 10:43:25 AM, Wednesday, May 7, 2008

Axis X

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07,2008 11-08-46



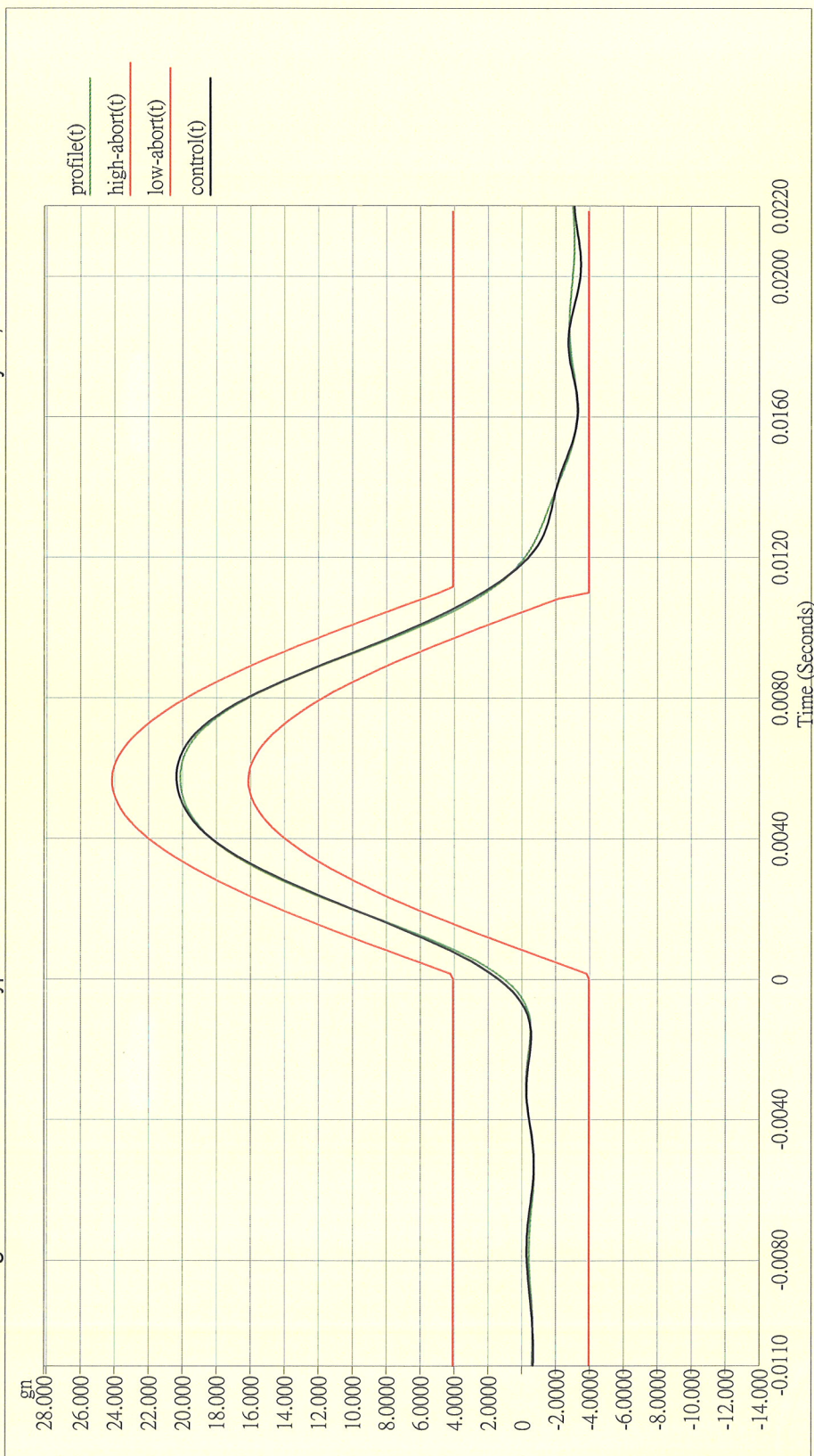
Level: 100 % Block Size: 4096 Elapsed Pulses: 16
Frame Time: 0.682667 Seconds Control Peak: 20.255396 gn Control RMS: 2.024909 gn Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:09:05 AM, Wednesday, May 07, 2008 Report created at 11:09:06 AM, Wednesday, May 7, 2008

Axis -X

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: \RunDefault May 07,2008 11-12-56



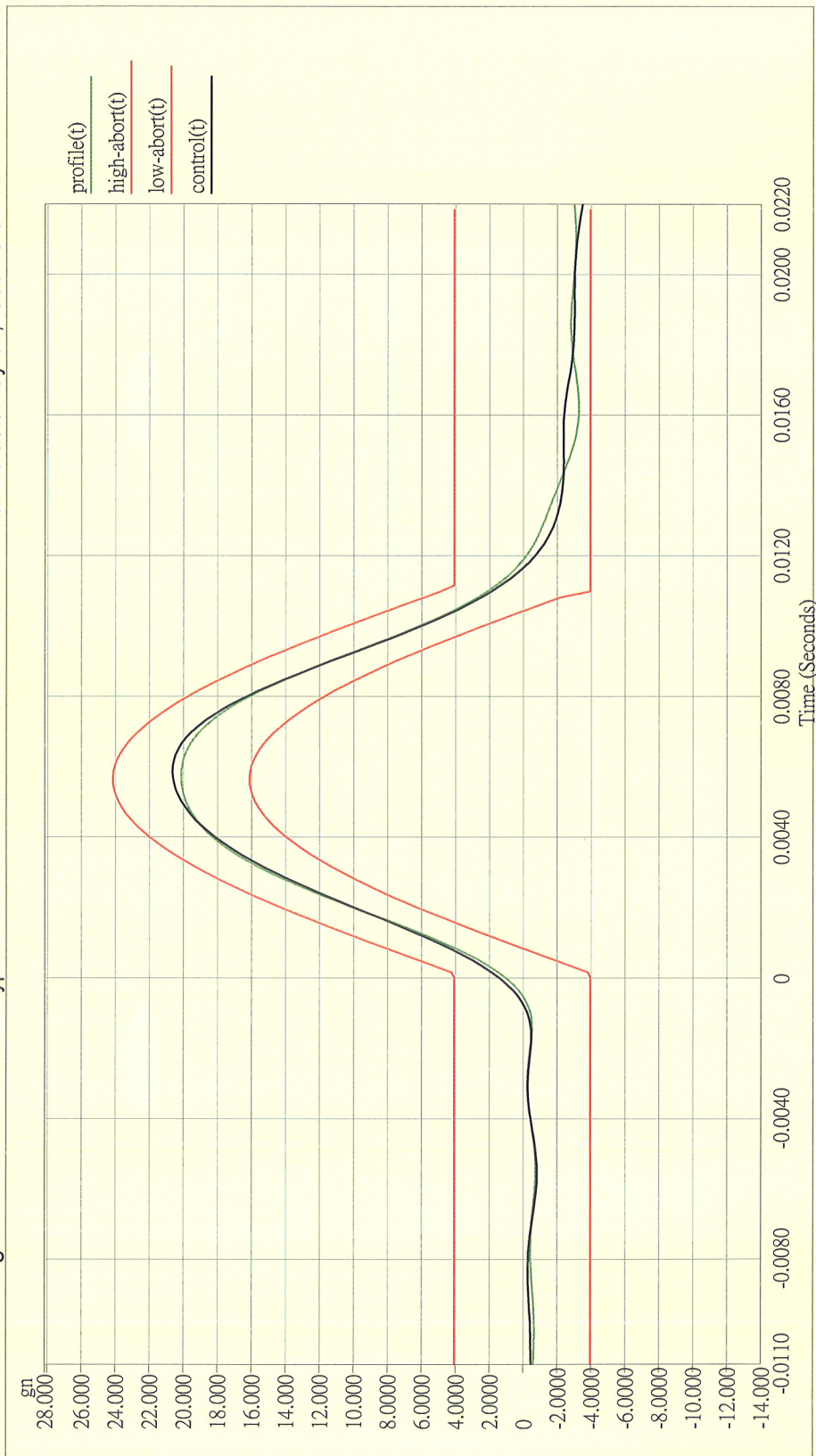
Level: 100 % Block Size: 4096 Elapsed Pulses: 16
 Frame Time: 0.682667 Seconds Control Peak: 20.203730 gn Control RMS: 2.025465 gn Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
 Data saved at 11:13:16 AM, Wednesday, May 07, 2008 Report created at 11:13:16 AM, Wednesday, May 7, 2008



Axis Y

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: \RunDefault May 07,2008 13-52-17



Level:

100 %

Block Size:

4096

Elapsed Pulses: 16

Frame Time: 0.682667 Seconds Control Peak: 20.496344 gn Control RMS: 2.038356 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

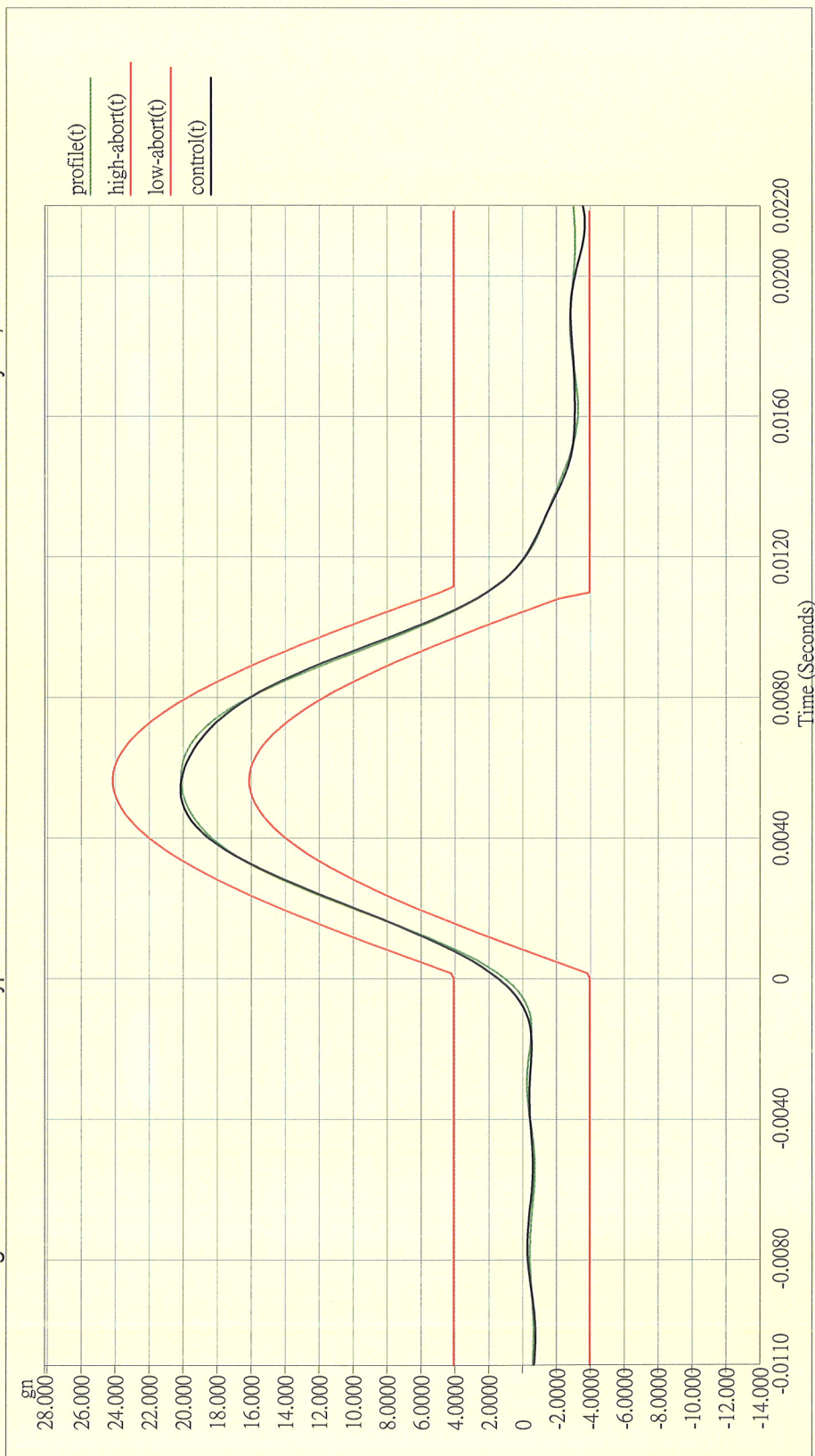
Data saved at 01:52:37 PM, Wednesday, May 07, 2008 Report created at 01:52:38 PM, Wednesday, May 7, 2008



Axis -Y

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07,2008 13:45-05



Level: 100 % Block Size: 4096 Elapsed Pulses: 16

Frame Time: 0.682667 Seconds Control Peak: 20.013689 gn Control RMS: 2.018638 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0

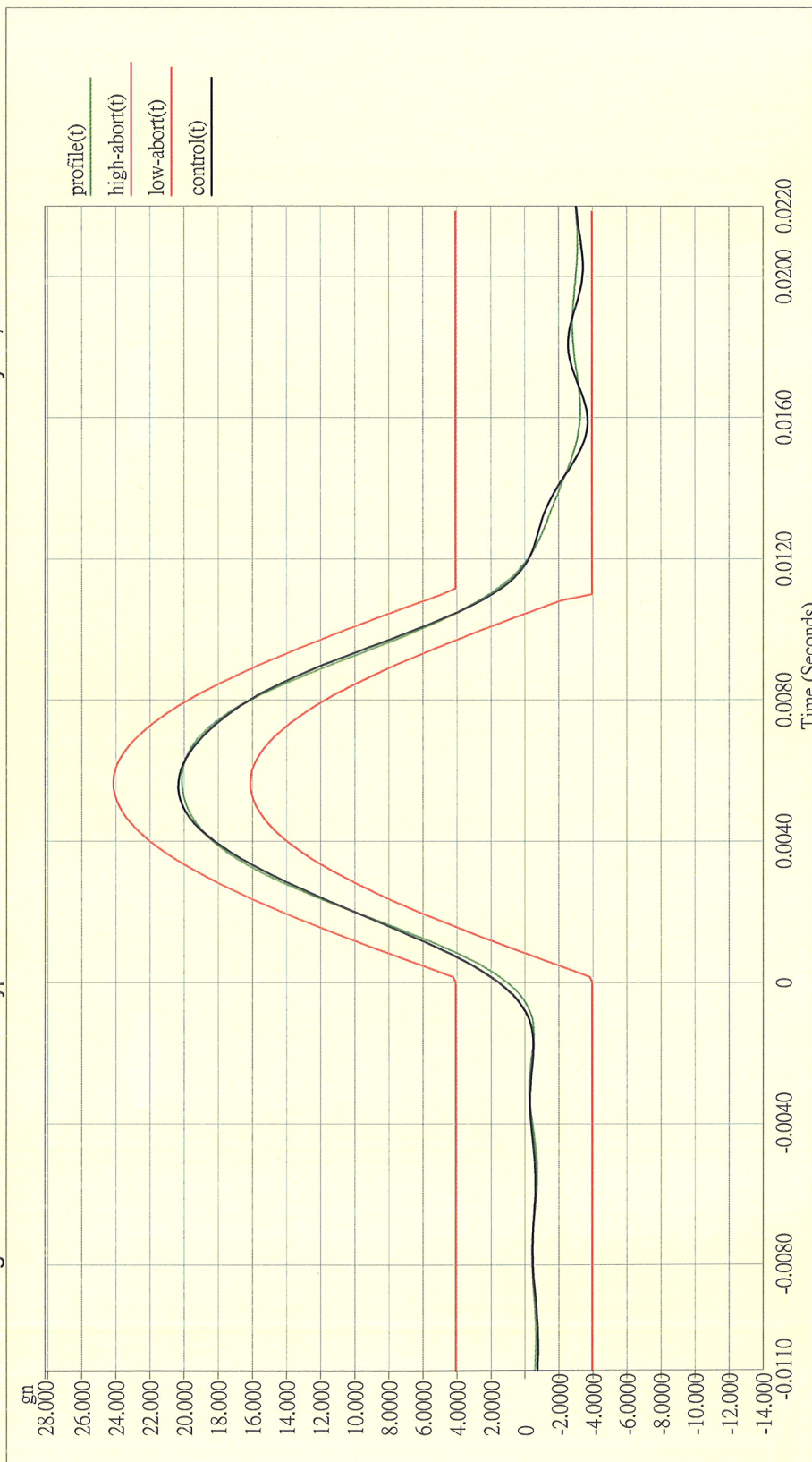
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 01:45:24 PM, Wednesday, May 07, 2008 Report created at 01:45:24 PM, Wednesday, May 7, 2008

Axis Z

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07, 2008 13-36-39



Level: 100 % Block Size: 4096 Elapsed Pulses: 16

Frame Time: 0.682667 Seconds Control Peak: 20.192726 gn Control RMS: 2.022718 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

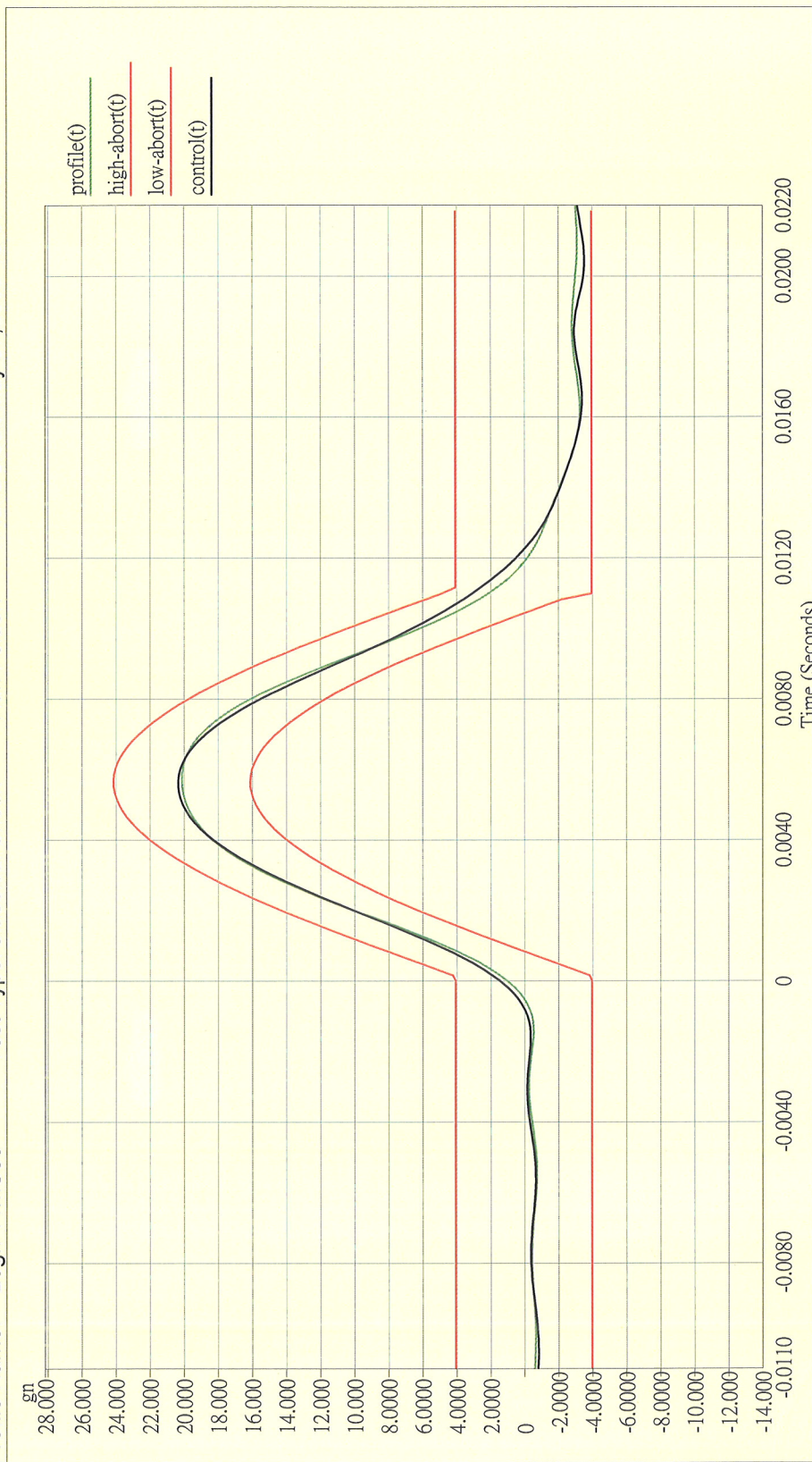
Data saved at 01:36:57 PM, Wednesday, May 07, 2008 Report created at 01:36:58 PM, Wednesday, May 7, 2008



Axis -Z

Project File Name: 研揚 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault May 07, 2008 13-37-48



Level: 100 % Block Size: 4096 Elapsed Pulses: 16 Full Level Elapsed Pulses: 3
Frame Time: 0.682667 Seconds Control Peak: 20.198301 gn Control RMS: 2.014008 gn
dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 2.007112 gn Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms
Data saved at 01:38:06 PM, Wednesday, May 07, 2008 Report created at 01:38:07 PM, Wednesday, May 7, 2008