

TESTING / INSPECTION REPORT

DATE : October 27, 2005
REPORT NO : ST-051027-1

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SPECIMEN : AMC-262 (FSB-866G) with 3.5" HDD

TEST / INSPECTION ITEMS : Shock Test (See Page 2)

REMARKS :

- The results only apply to the device under test.
- This report is 18 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer : <i>Ji Chiang</i>	
Approved by : <i>David Lee</i>	Laboratory Head : <i>Chiping Chan</i>



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TESTING EQUIPMENT :

- | | |
|--------------------------|--|
| 1. Shock Tester | : KING DESIGN (KD-9363EM-1000F2K-50N120,
S/N : GUG02102091) |
| 2. Controller | : DACTRON (FRONT-End Box, S/N:7469933) |
| 3. Control Accelerometer | : Wilcoxon Research (WR-777 , S/N:4207) |

TEST ENVIRONMENT :

- | | |
|-------------|-------------|
| Temperature | : 20±2°C |
| Humidity | : 70±20% RH |

SPECIMEN :

- | | |
|----------|------------------------------------|
| Model | : AMC-262 (FSB-866G) with 3.5" HDD |
| Quantity | : 1 piece |

SHOCK TEST SPECIFICATION :

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

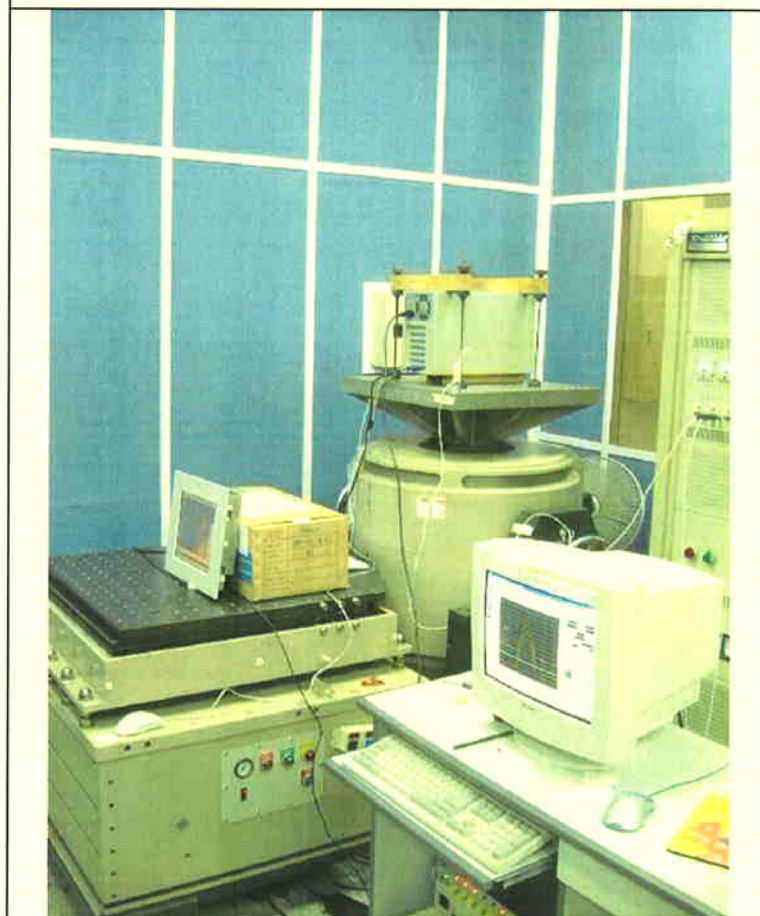
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TEST RESULT :

Describe	PASS	FAIL	Non-Judgment ⁽¹⁾
Function judgment	——	——	√
Appearance check	——	——	√
(1)--This test report record object test procedure and environment, not including test result.			

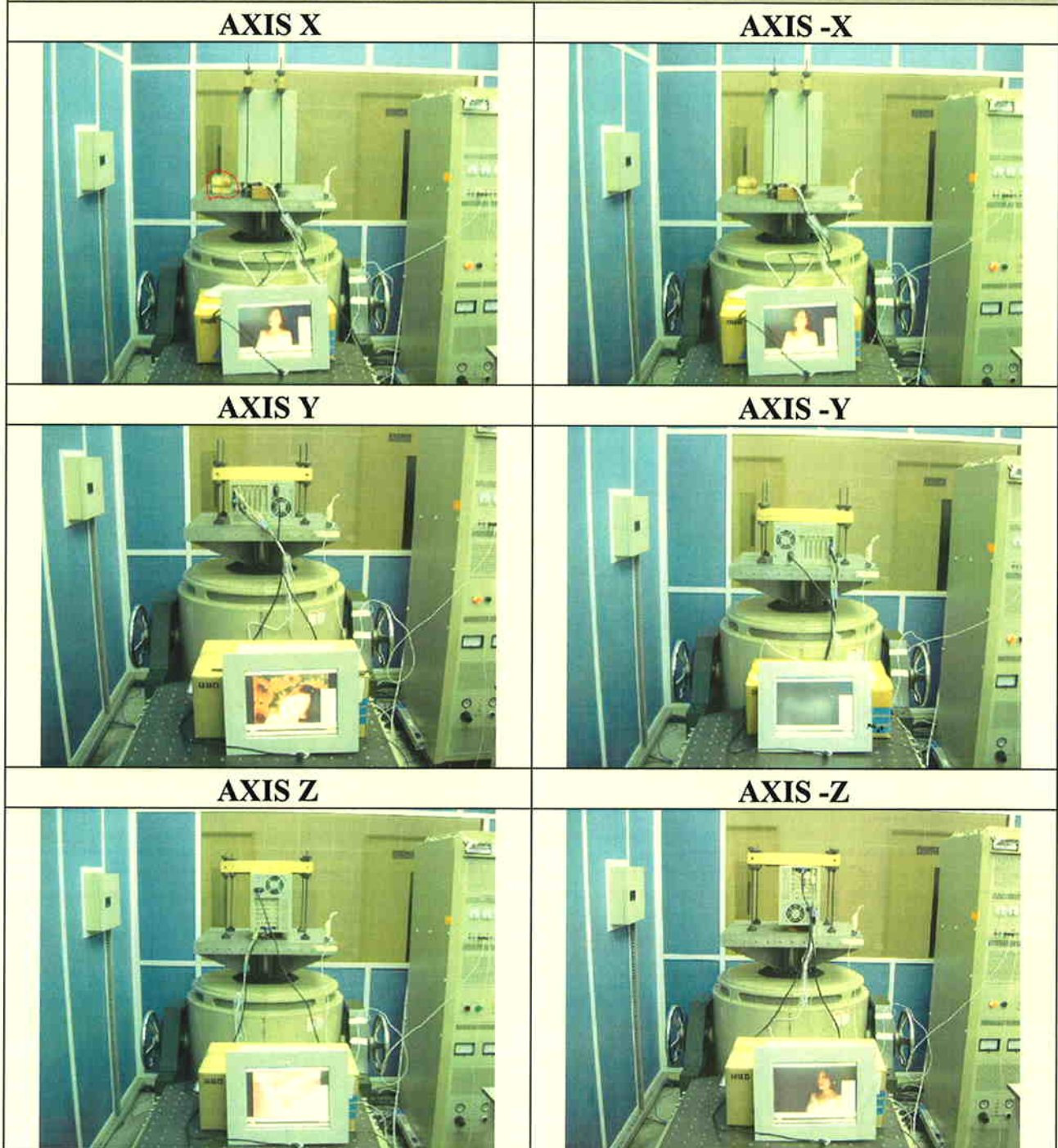
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Testing photos



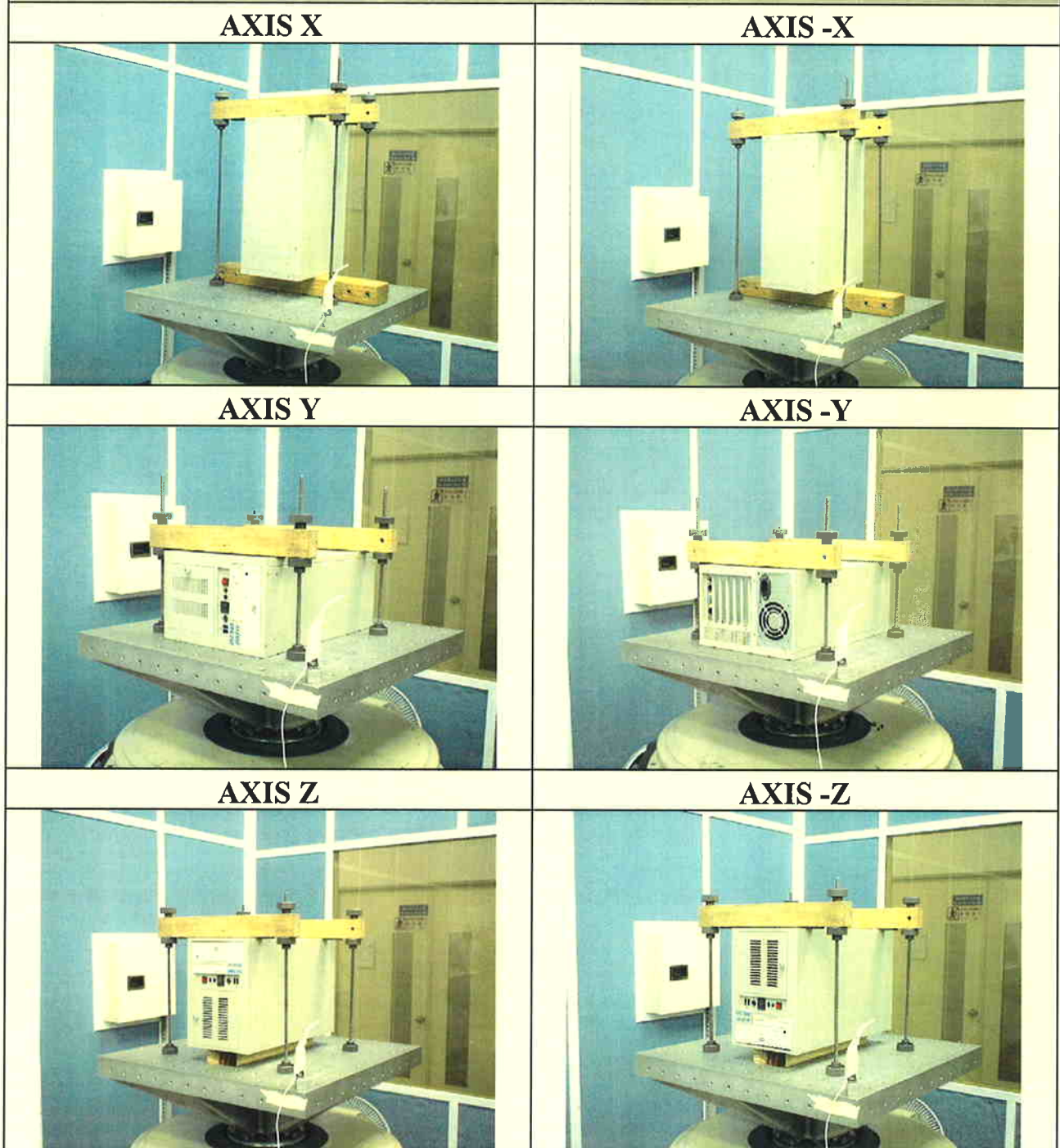
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Testing photos (Operation)



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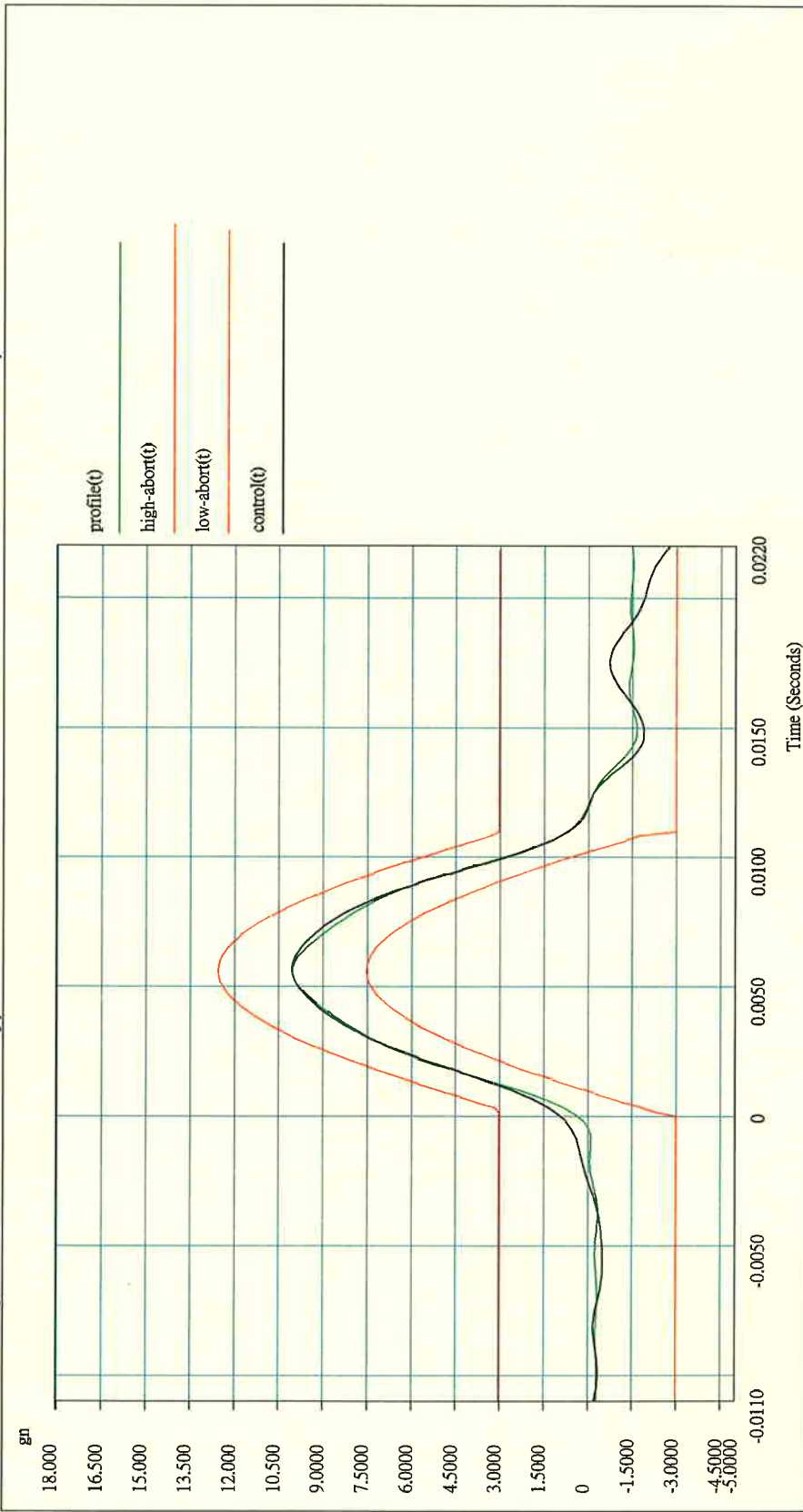
Testing photos (Non-operation)



Axis x

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-07-32



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

Frame Time: 0.341333 Seconds Control Peak: 10.008470 gn Control RMS: 1.392049 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

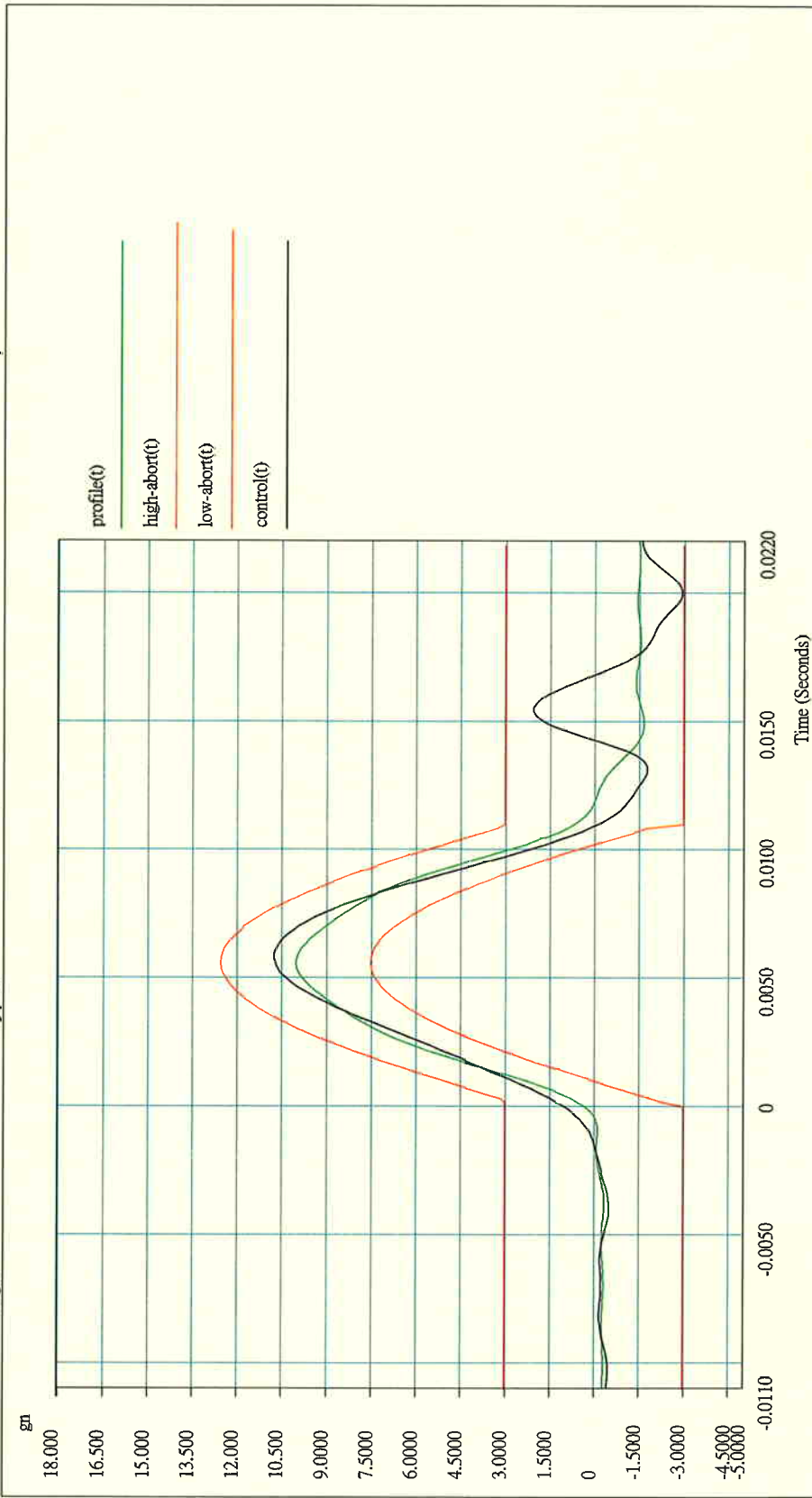
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:07:56 AM, Friday, October 21, 2005 Report created at 11:07:57 AM, Friday, October 21, 2005

Axis -x

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-15-45



Level: 100 %

Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.341333 Seconds Control Peak: 10.725781 gn Control RMS: 1.415141 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

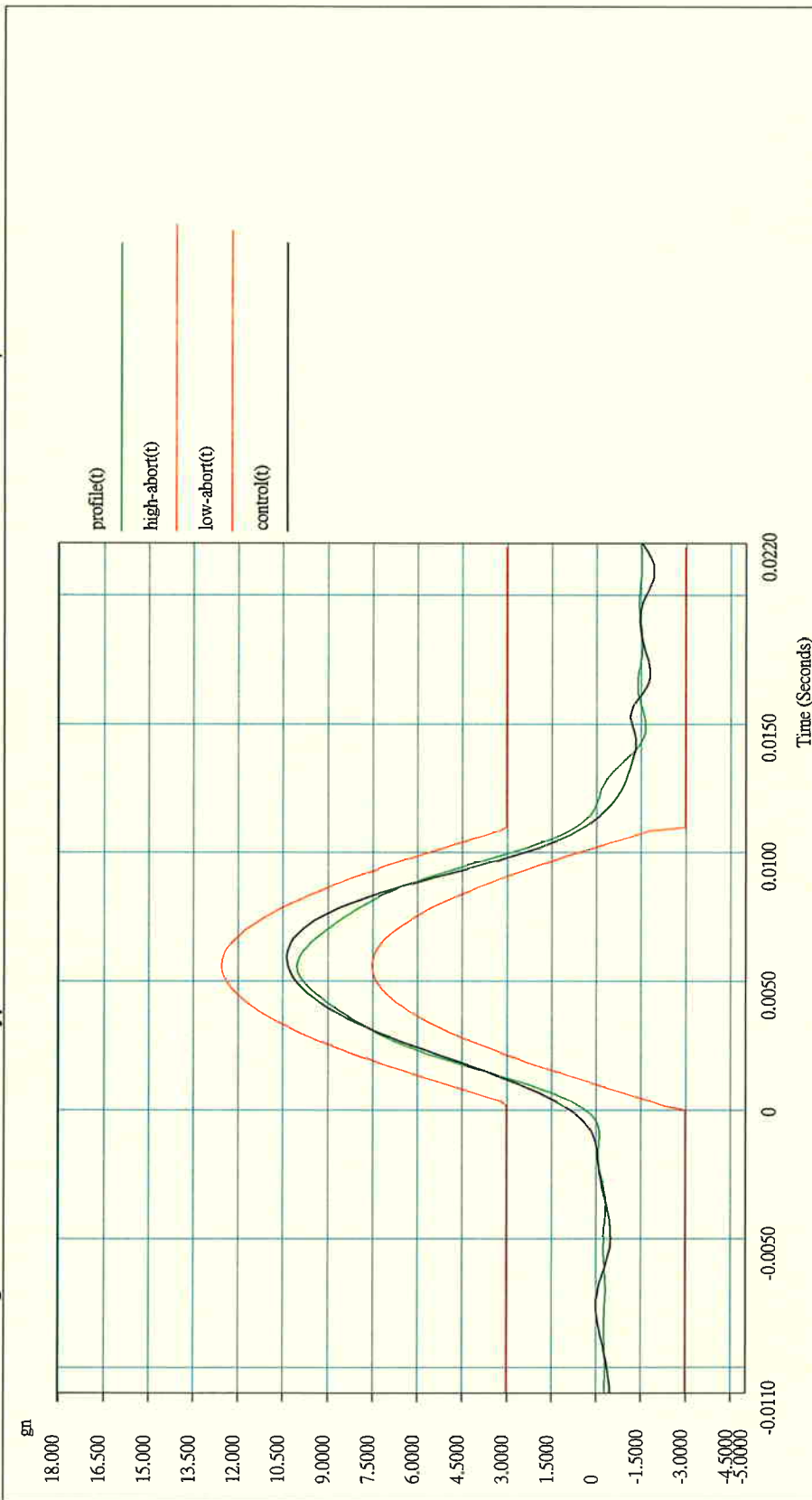
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:16:28 AM, Friday, October 21, 2005 Report created at 11:16:29 AM, Friday, October 21, 2005

Axis y

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 10:55-11



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

Frame Time: 0.341333 Seconds Control Peak: 10.347839 gn Control RMS: 1.405707 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

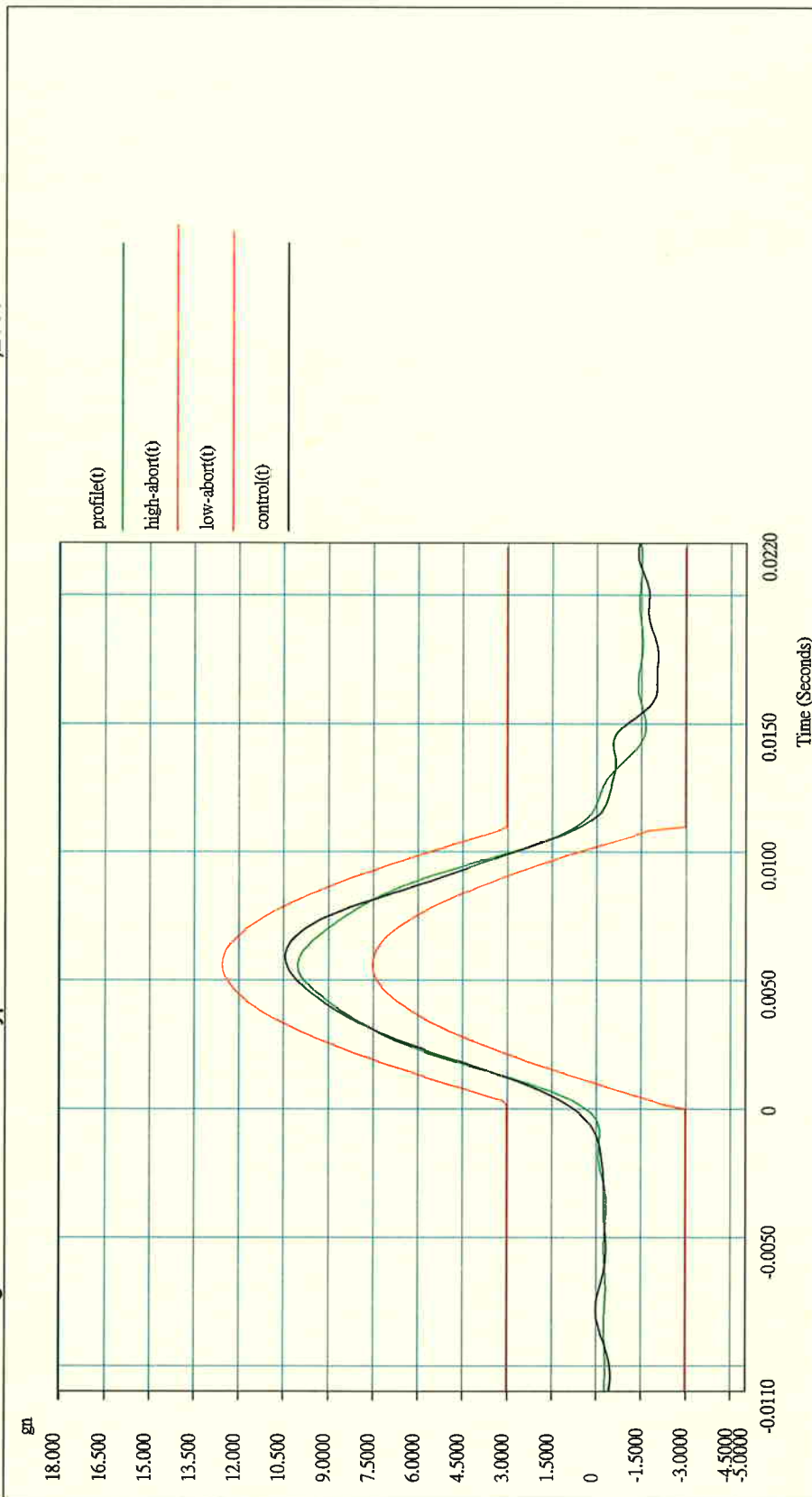
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.0000001 ms

Data saved at 10:55:35 AM, Friday, October 21, 2005 Report created at 10:55:36 AM, Friday, October 21, 2005

Axis -y

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 10:58-22



Level: 100 %

Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.341333 Seconds Control Peak: 10.422731 gn Control RMS: 1.396636 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

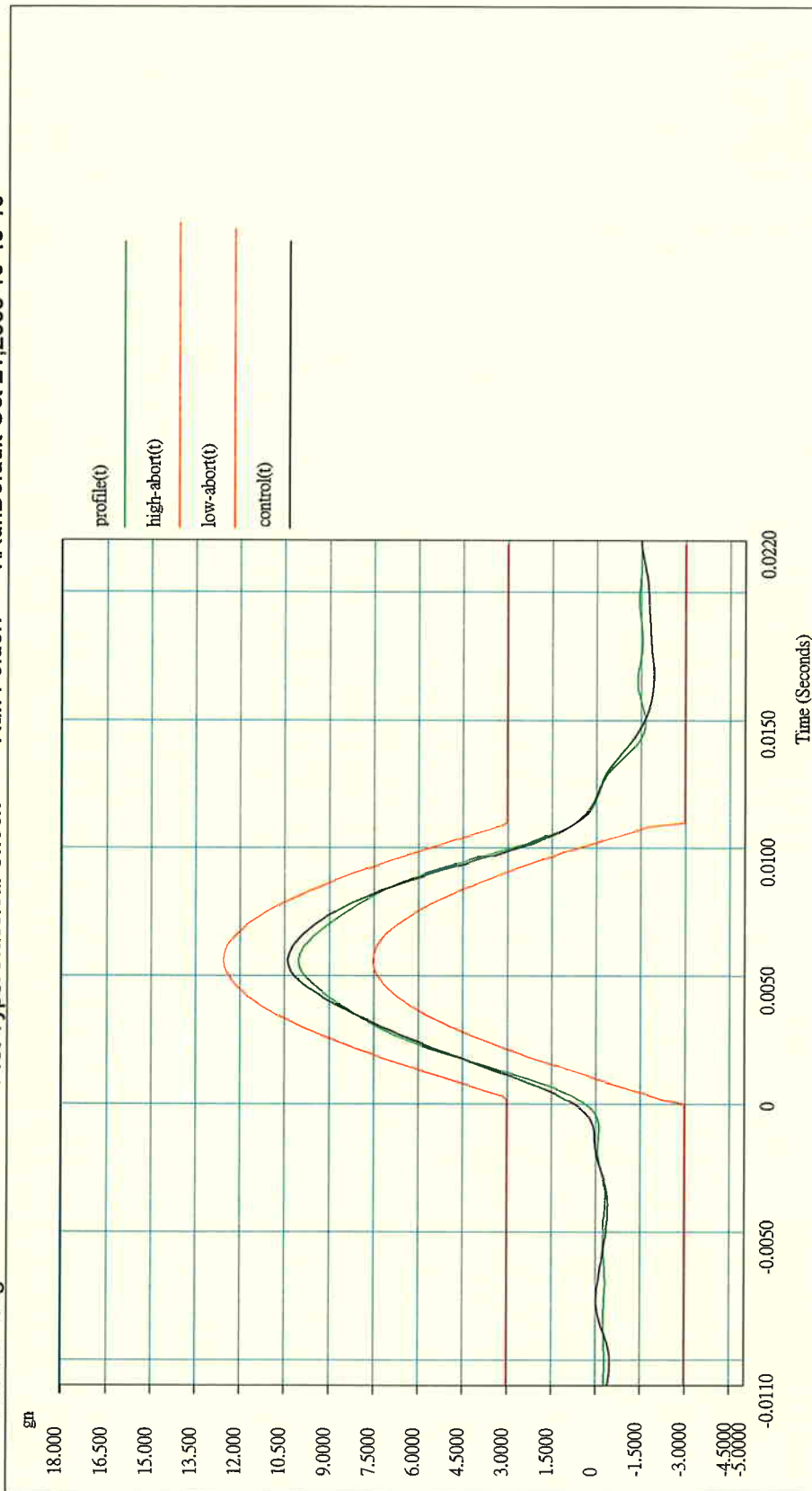
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 10:58:47 AM, Friday, October 21, 2005 Report created at 10:58:47 AM, Friday, October 21, 2005

Axis z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 10-45-10



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

Frame Time: 0.341333 Seconds Control Peak: 10.362209 gn Control RMS: 1.393796 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

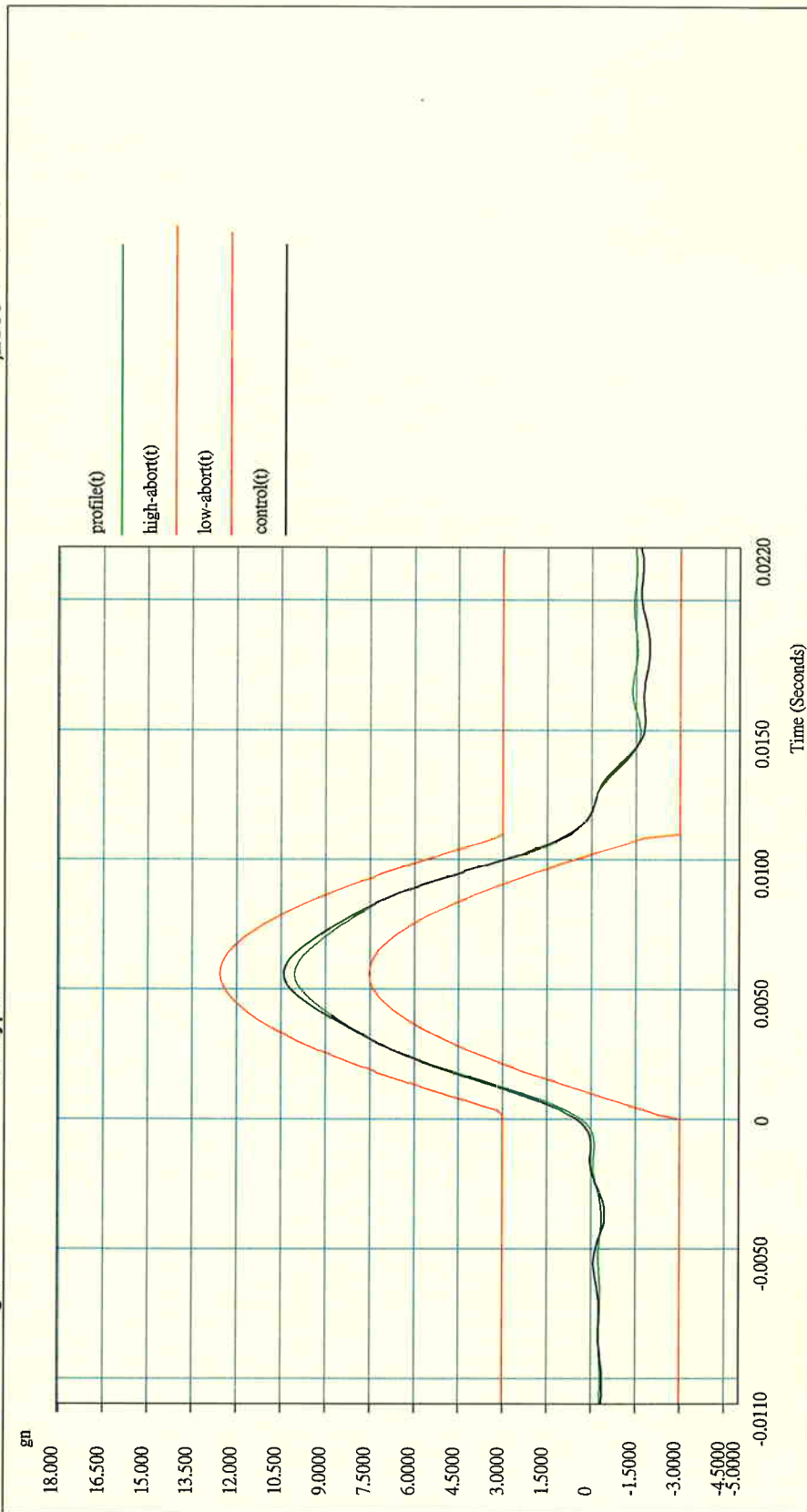
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000000 ms

Data saved at 10:45:35 AM, Friday, October 21, 2005 Report created at 10:45:37 AM, Friday, October 21, 2005

Axis -Z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 10:49-10



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

Frame Time: 0.341333 Seconds Control Peak: 10.375198 gn Control RMS: 1.394906 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 1.341061 gn Remaining Pulses: 0

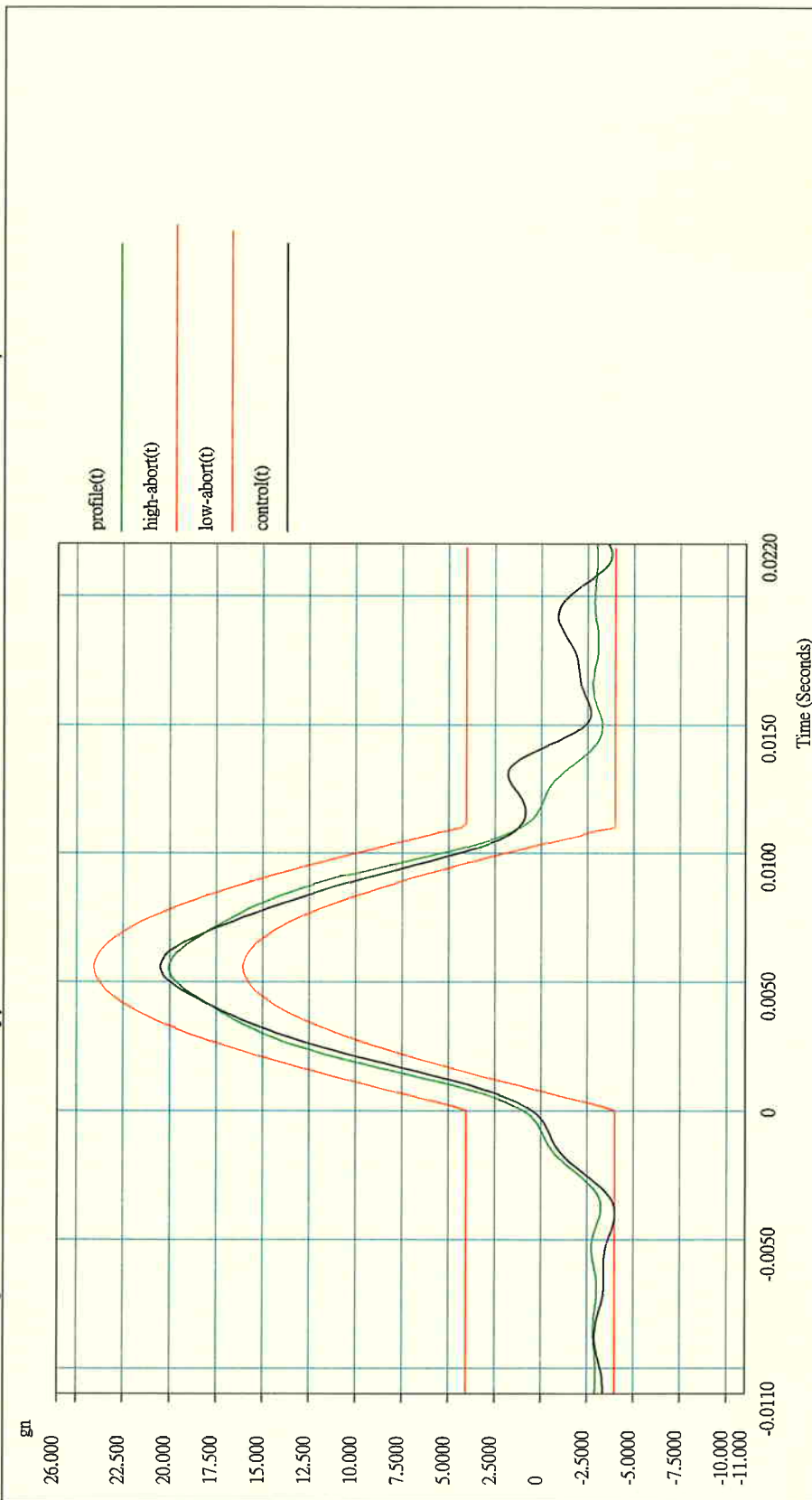
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 10:49:34 AM, Friday, October 21, 2005 Report created at 10:49:35 AM, Friday, October 21, 2005

Axis x

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11:47:36



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 20.478037 gn Control RMS: 3.803729 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

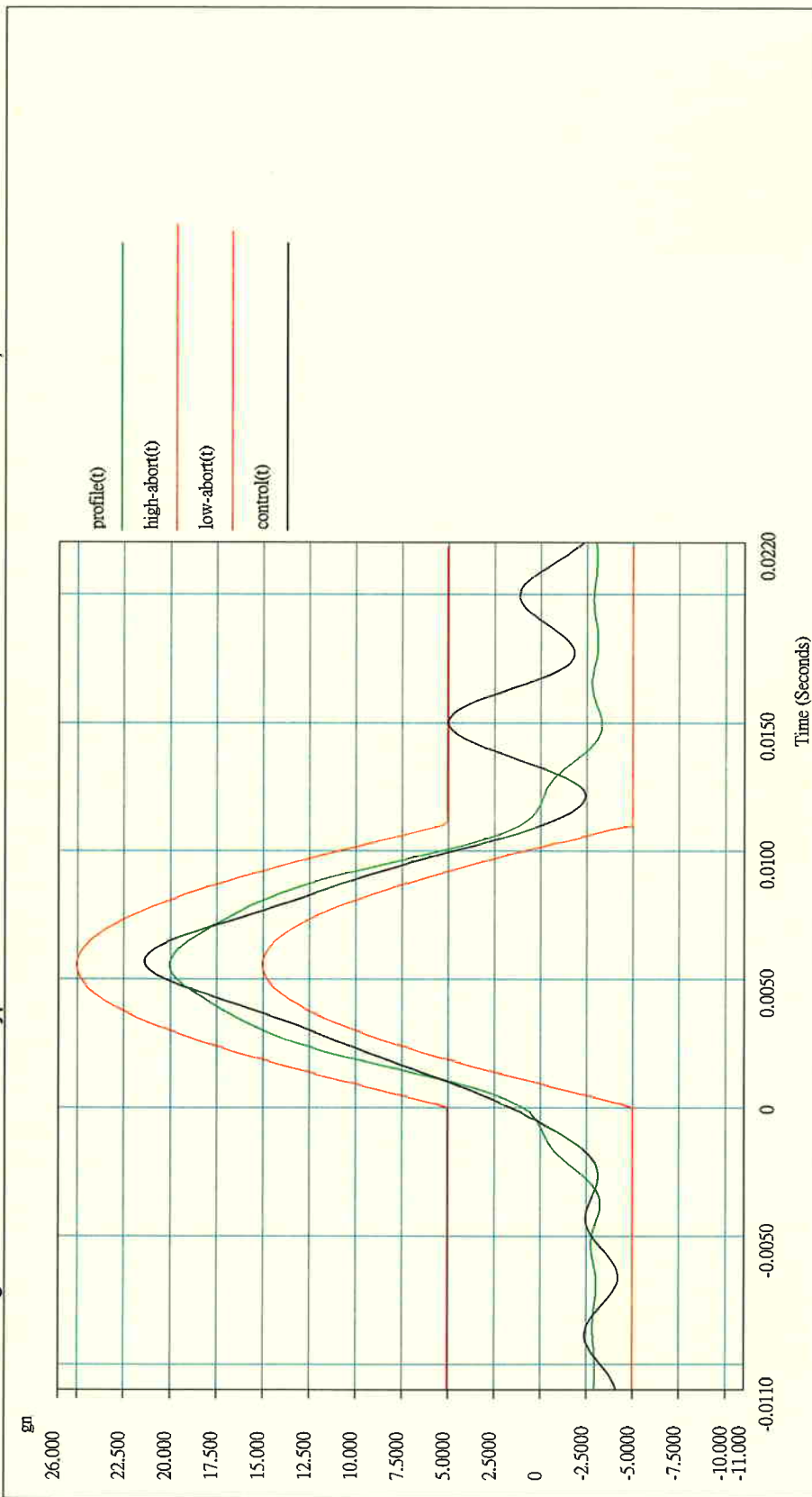
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:48:01 AM, Friday, October 21, 2005 Report created at 11:48:02 AM, Friday, October 21, 2005

Axis -x

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-52-20



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 21.361986 gn Control RMS: 3.777679 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

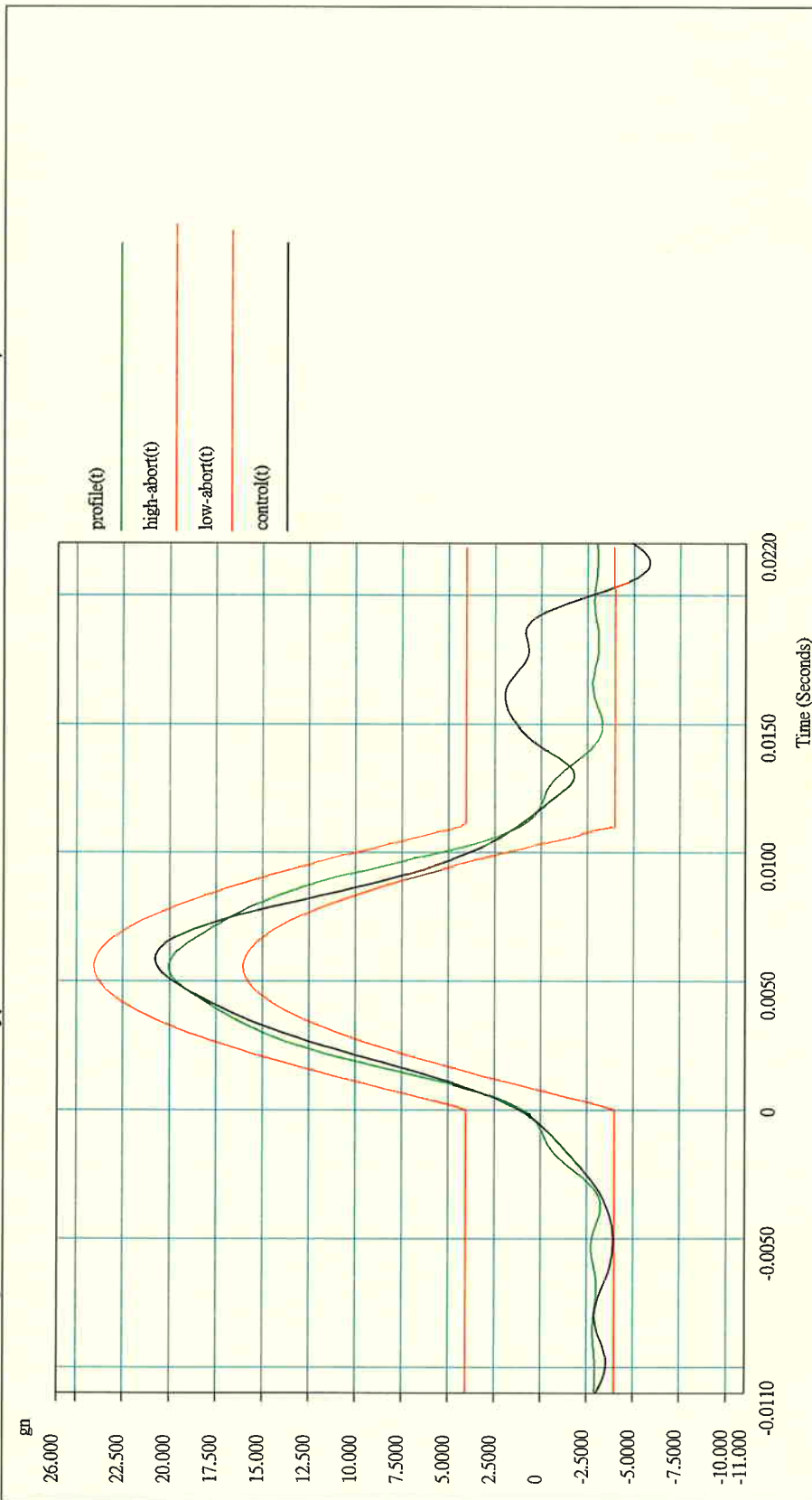
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:52:45 AM, Friday, October 21, 2005 Report created at 11:52:46 AM, Friday, October 21, 2005

Axis y

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-39-05



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 20.755951 gn Control RMS: 3.807610 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

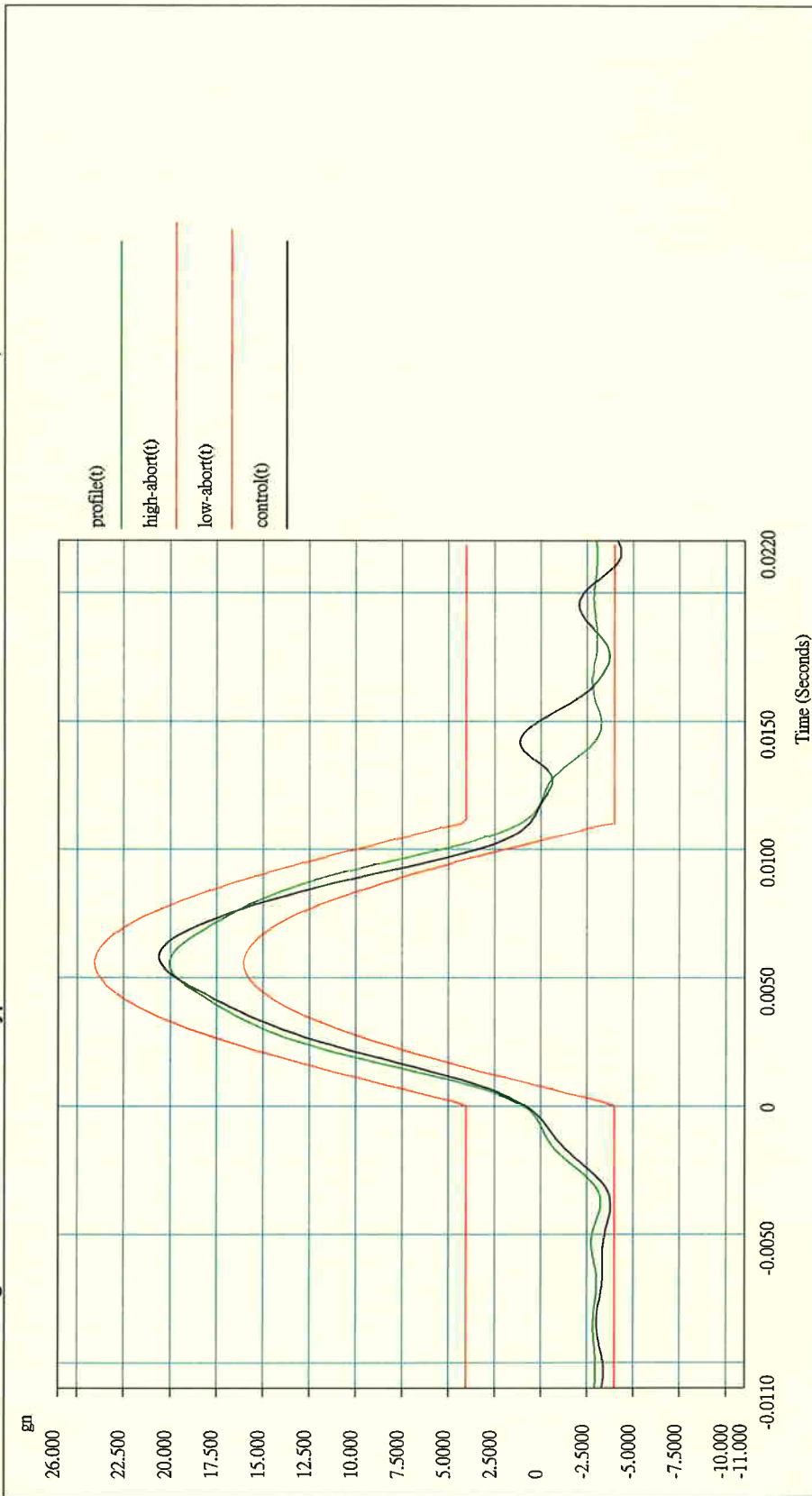
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:39:31 AM, Friday, October 21, 2005 Report created at 11:39:31 AM, Friday, October 21, 2005

Axis -y

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-41-33



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 20.593882 gn Control RMS: 3.839944 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

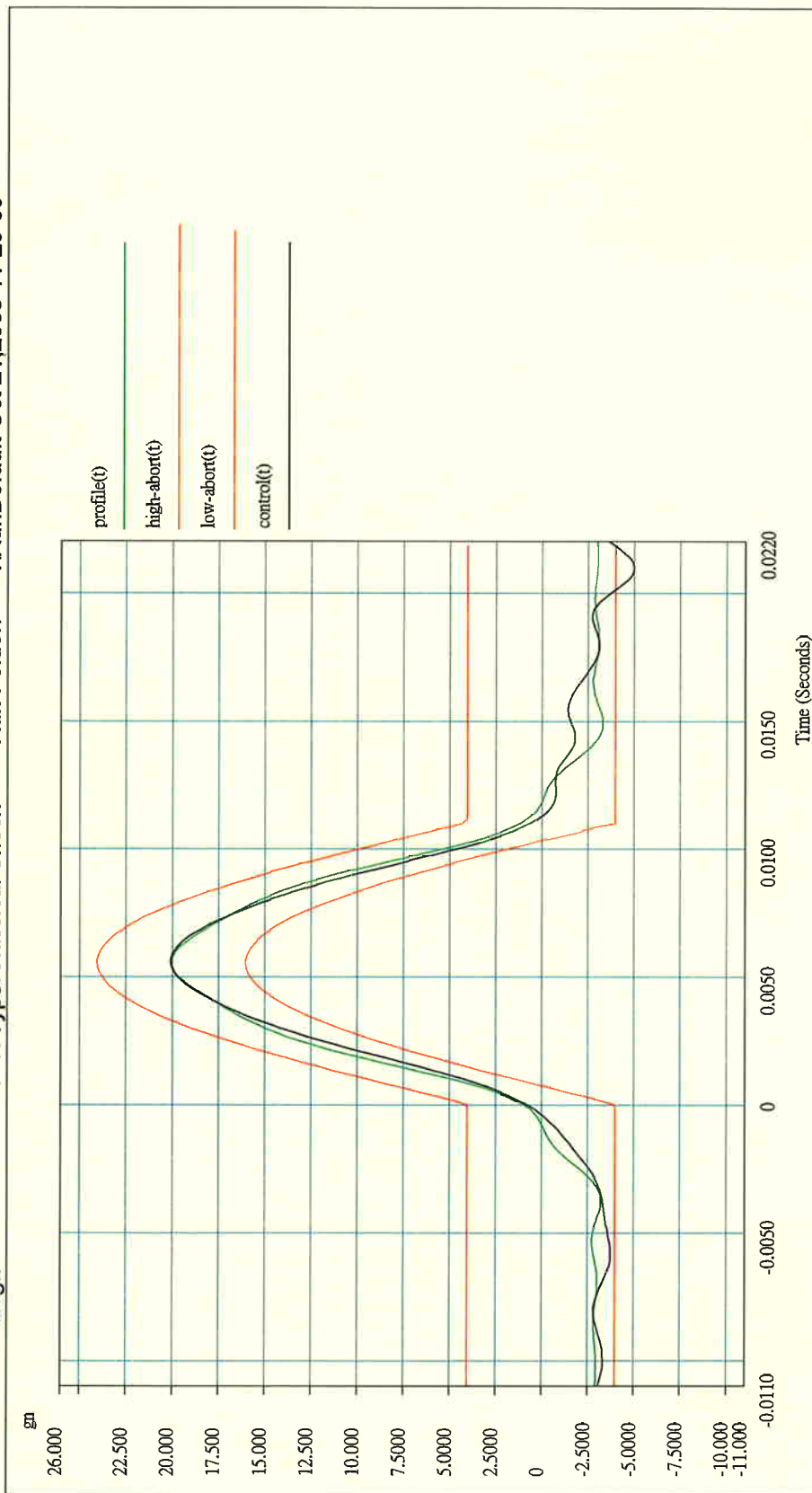
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:41:58 AM, Friday, October 21, 2005 Report created at 11:41:59 AM, Friday, October 21, 2005

Axis z

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-29-39



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 20.041996 gn Control RMS: 3.854646 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

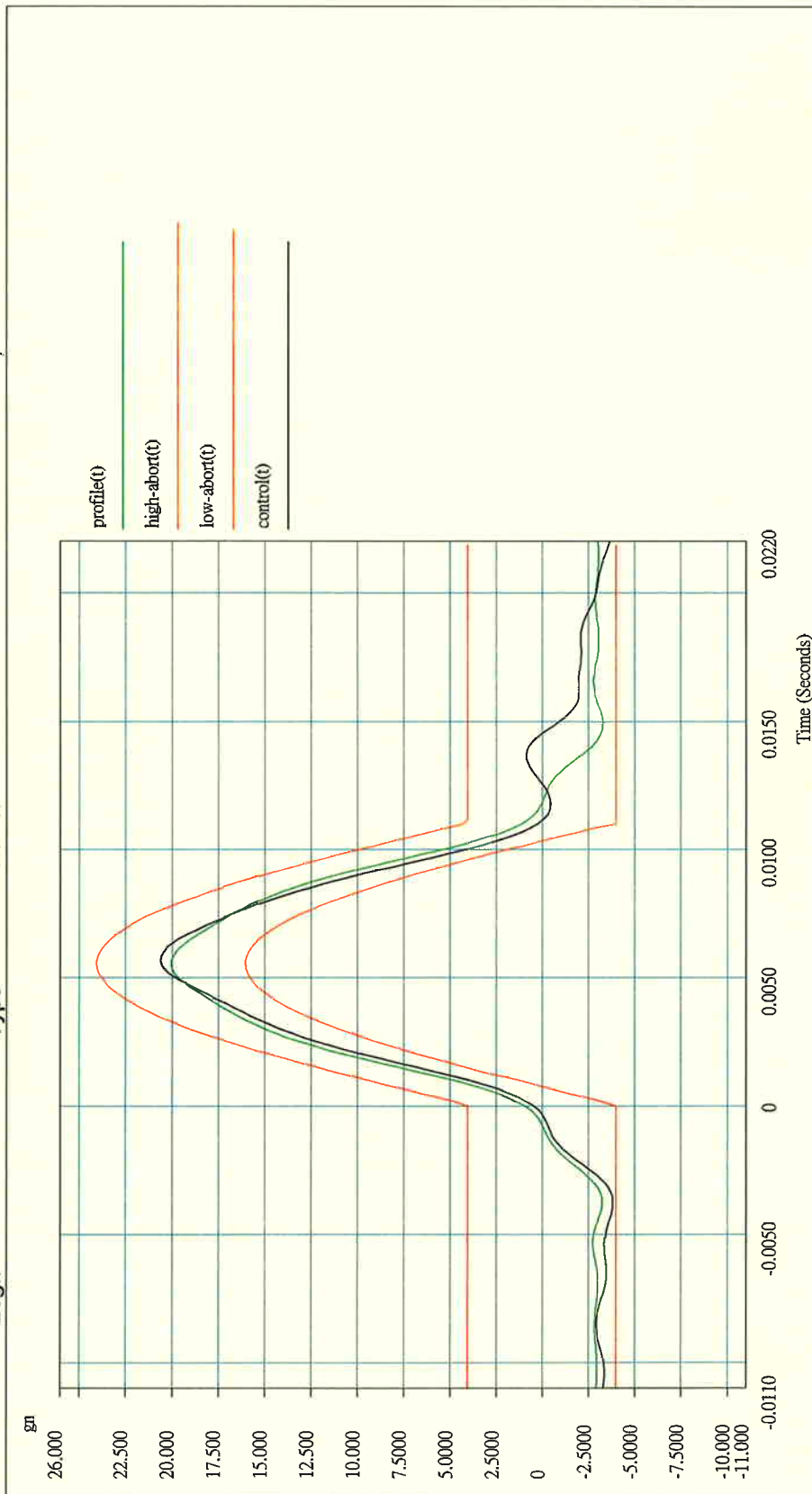
Pulse Type: Half Sine Amplitude: 20.000000 gn Pulse Width: 11.000001 ms

Data saved at 11:30:06 AM, Friday, October 21, 2005 Report created at 11:30:08 AM, Friday, October 21, 2005

Axis -z

Project File Name: 研華 20g 11ms.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 21, 2005 11-33-16



Level: 100 % Block Size: 1024 Elapsed Pulses: 14

Frame Time: 0.170667 Seconds Control Peak: 20.614265 gn Control RMS: 3.840150 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 gn Demand RMS: 3.865662 gn Remaining Pulses: 0

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

Data saved at 11:33:41 AM, Friday, October 21, 2005 Report created at 11:33:42 AM, Friday, October 21, 2005