

## TESTING / INSPECTION REPORT

DATE : October 15, 2004  
REPORT NO : ST-041015-4

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SPECIMEN : ARC-640M

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



REMARKS :

- The results only apply to the device under test.
- This report is 10 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer : <i>Dennis Ting</i>	
Approved by : <i>David Lee</i>	Laboratory Head : <i>Dennis Ting</i>

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- |                         |  |
|-------------------------|--|
| 1.Shock Tester          | : KING DESIGN (KD-9363EM-1000F2K-50N120,<br>S/N : GUG02102091) |
| 2.Controller            | : DACTRON (FRONT-End Box, S/N:7459933)                         |
| 3.Control Accelerometer | : Wilcoxon Research (WR-777 , S/N:4207)                        |

### TEST ENVIRONMENT :

- |             |              |
|-------------|--------------|
| Temperature | : 24± 2°C    |
| Humidity    | : 70± 20% RH |

### SPECIMEN :

- |          |            |
|----------|------------|
| Model    | : ARC-640M |
| Quantity | : 1 piece  |

### SHOCK TEST SPECIFICATION :

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

### TEST RESULT :

The pass or failed judgment by AAEON engineers.

## TESTING / INSPECTION REPORT

**Testing photos**  
**ARC-640M**  
**AXIS ± X**



**AXIS ± Y**



**AXIS ± Z**



## TESTING / INSPECTION REPORT

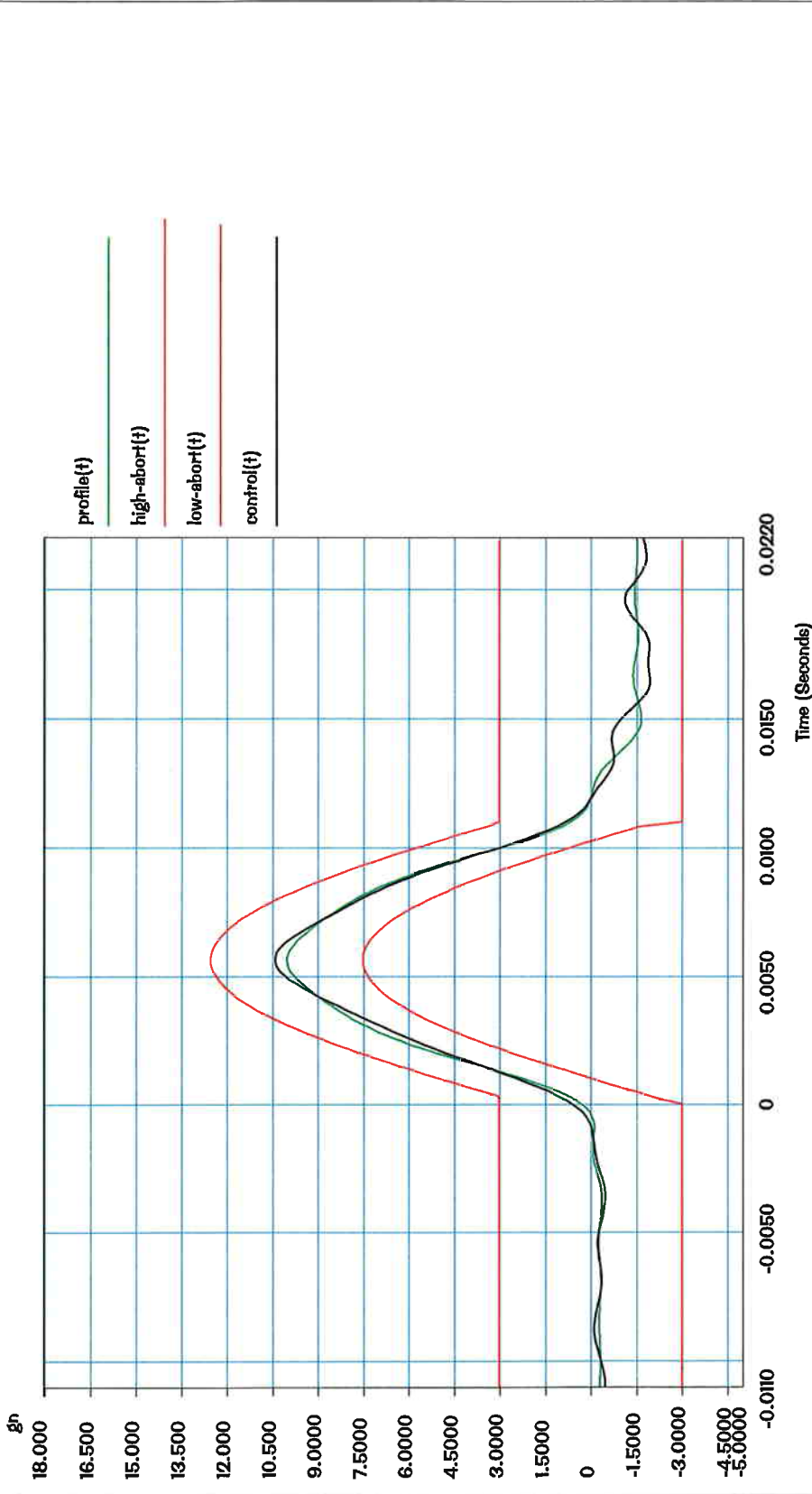
### Testing photos



Axis X

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 13, 2004 16-30-33

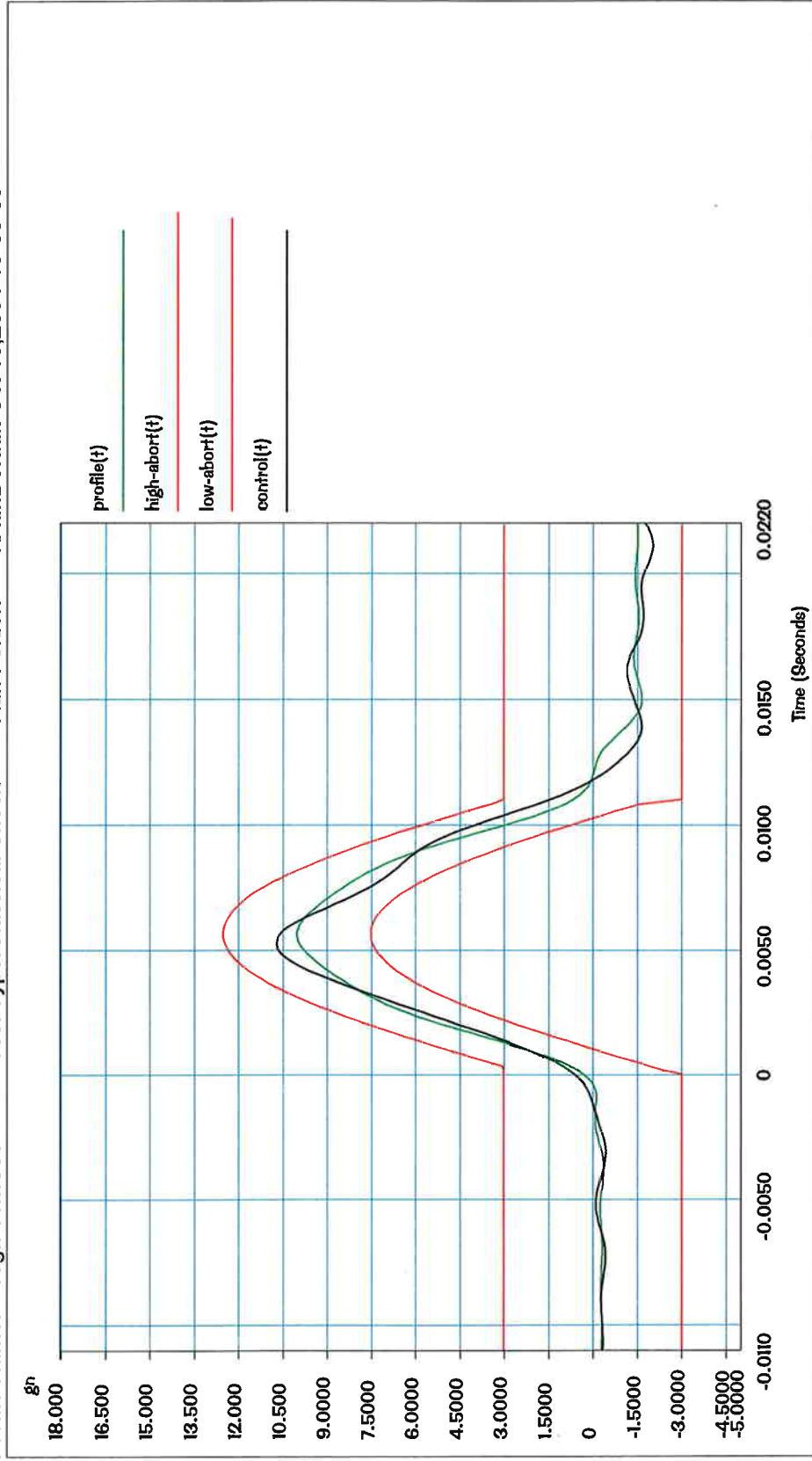


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 10.398721 gn Control RMS: 0.994986 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 0.984185 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms  
Data saved at 04:30:53 PM, Wednesday, October 13, 2004 Report created at 04:30:54 PM, Wednesday, October 13, 2004

Axis -X

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 13, 2004 16:36-38



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 10.699091 gn Control RMS: 1.002823 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 0.984185 gn Remaining Pulses: 0

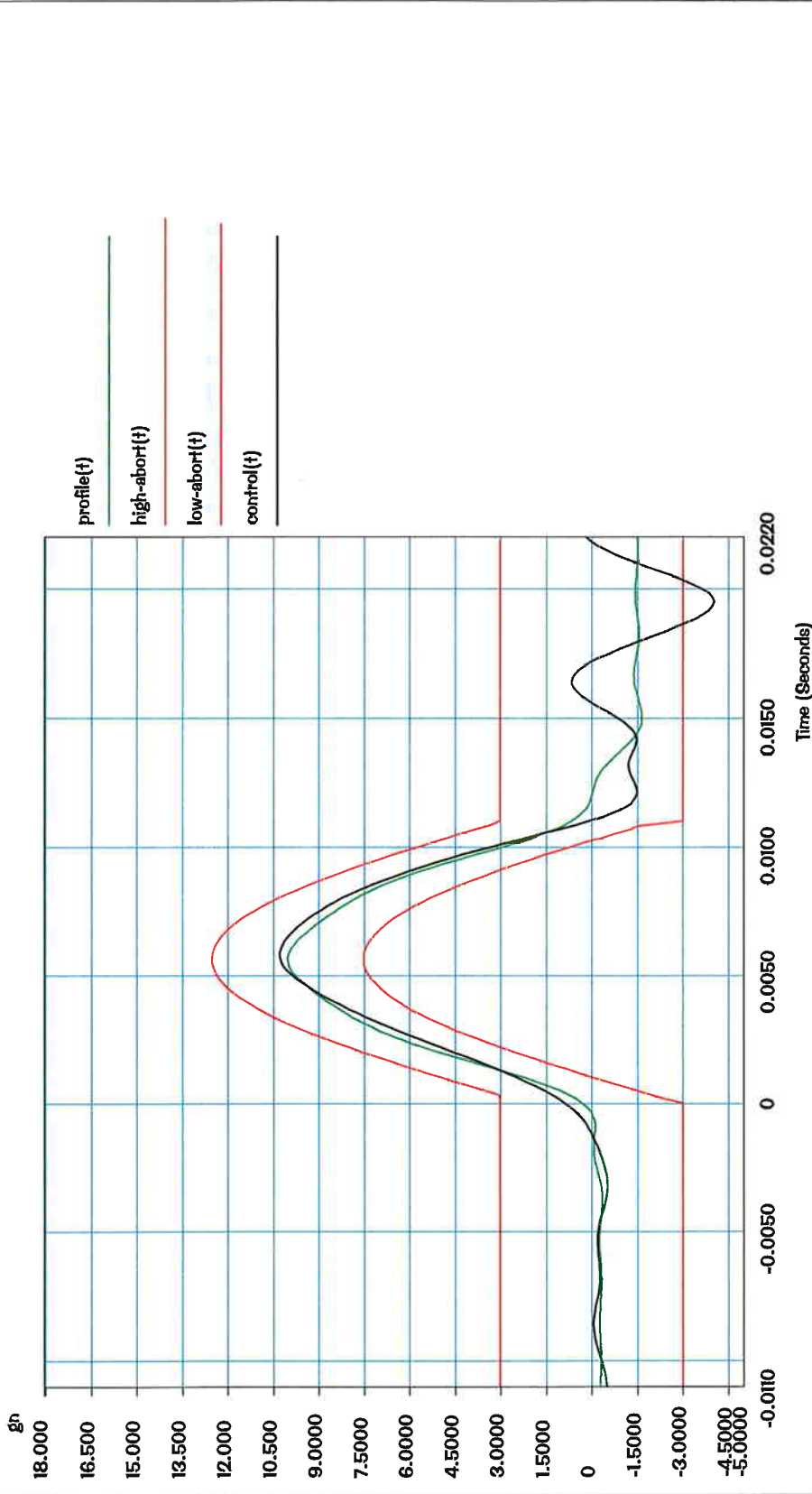
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms

Data saved at 04:36:59 PM, Wednesday, October 13, 2004 Report created at 04:37:00 PM, Wednesday, October 13, 2004

Axis Y

Project File Name: 研場 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 13, 2004 16-13-50

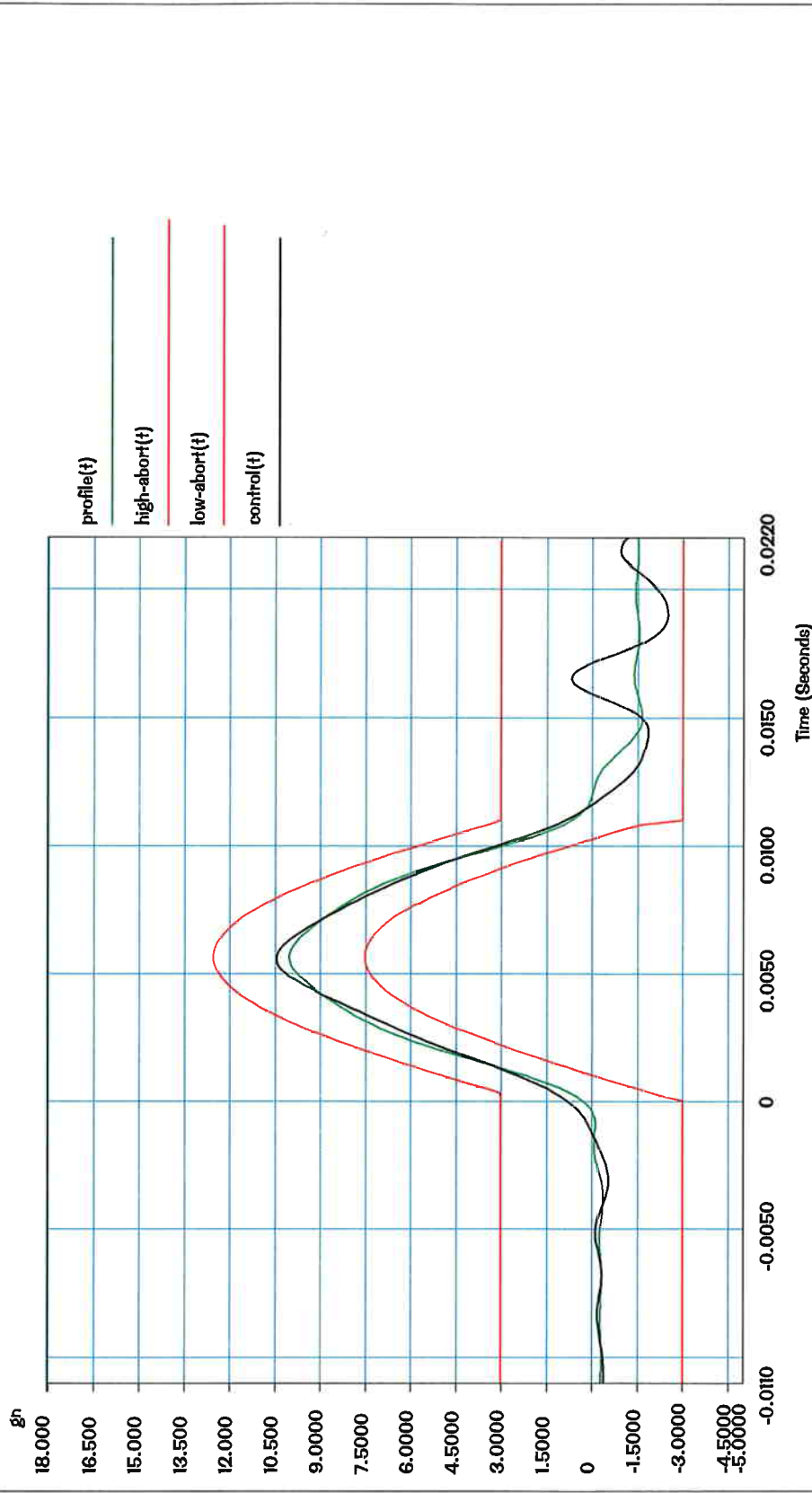


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 10.262816 gn Control RMS: 1.031083 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 0.984185 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms  
Data saved at 04:14:10 PM, Wednesday, October 13, 2004 Report created at 04:14:11 PM, Wednesday, October 13, 2004

Axis -Y

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type:Classical Shock Run Folder: .\RunDefault Oct 13,2004 16-24-22



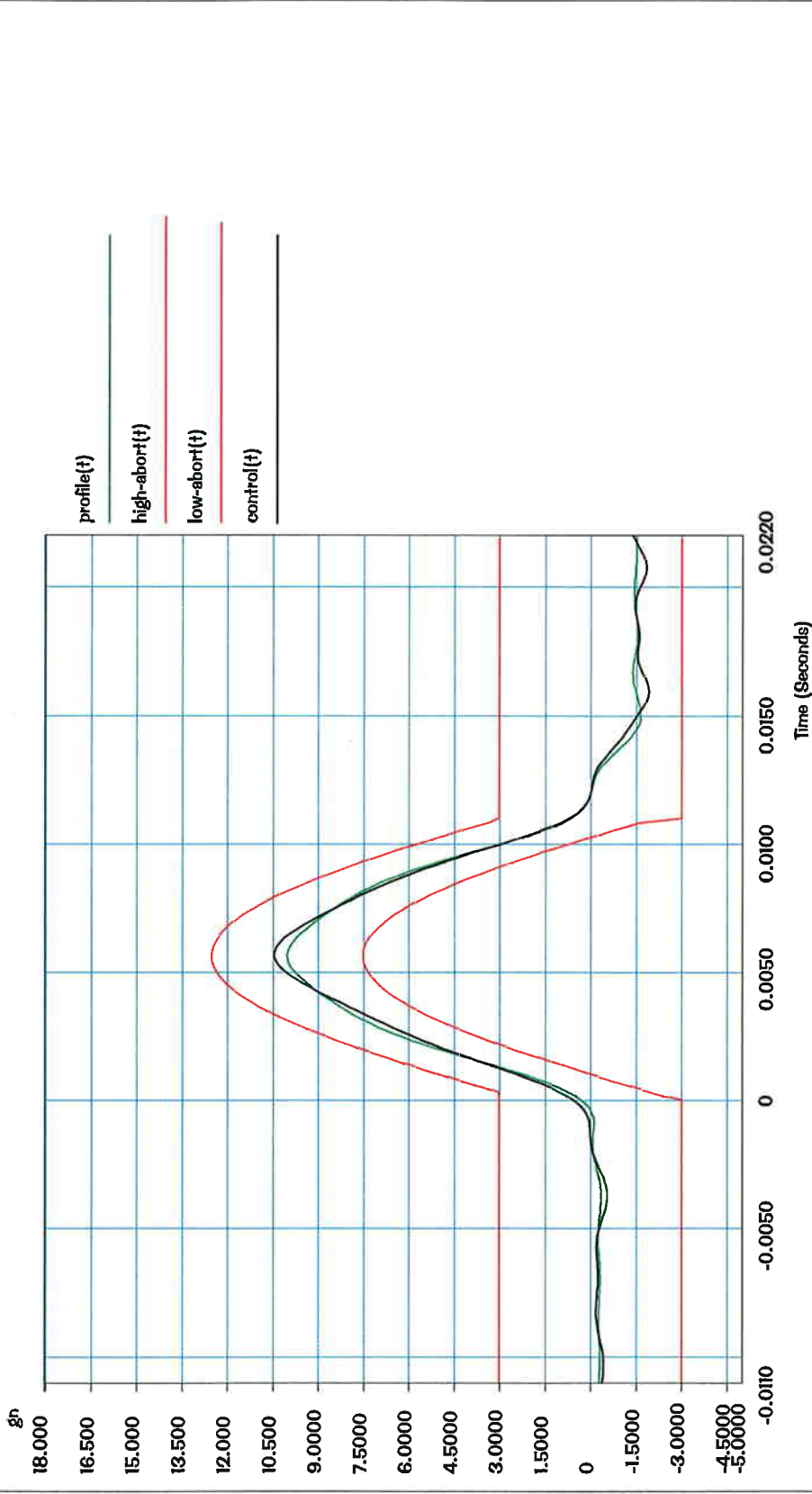
Level: 100 % Block Size: 4096 Elapsed Pulses:10  
Frame Time: 0.682667 Seconds Control Peak: 10.427593 gn Control RMS: 1.002486 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 0.984185 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms  
Data saved at 04:24:43 PM, Wednesday, October 13, 2004 Report created at 04:24:43 PM, Wednesday, October 13, 2004



Axis Z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Oct 13, 2004 15-48-36

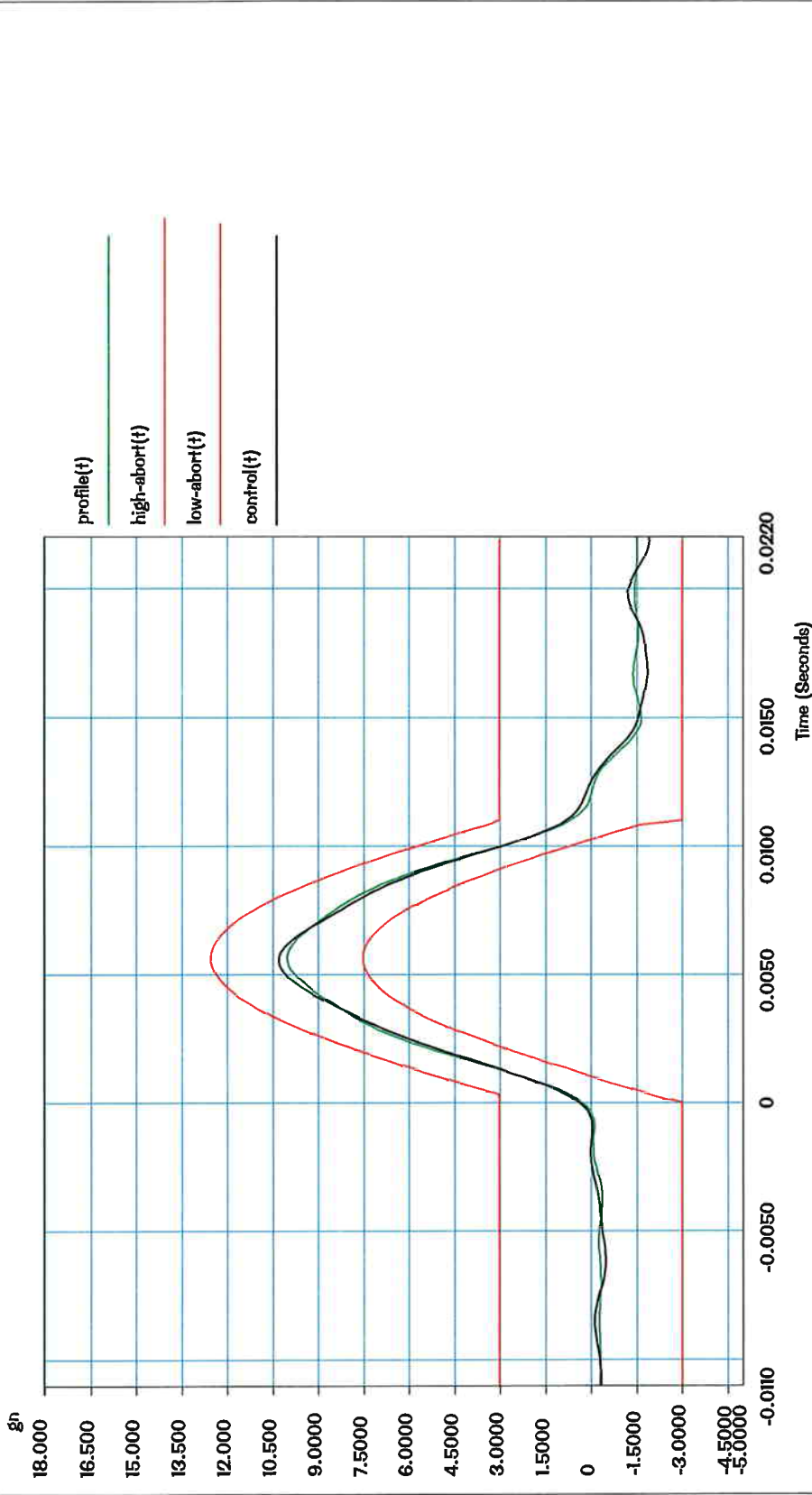


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
 Frame Time: 0.682667 Seconds Control Peak: 10.434233 gn Control RMS: 0.995852 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 10.000000 gn Demand RMS: 0.984185 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 gn Pulse Width: 11.000001 ms  
 Data saved at 03:48:57 PM, Wednesday, October 13, 2004 Report created at 03:48:58 PM, Wednesday, October 13, 2004

Axis -Z

Project File Name: 研揚 10g 11ms.prj

Profile Name: 10gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 13, 2004 13-12-29



Data saved at 01:12:50 PM, Wednesday, October 13, 2004 Report created at 01:12:51 PM, Wednesday, October 13, 2004