

## TESTING / INSPECTION REPORT

DATE : October 22, 2004

REPORT NO : ST-041022-2

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SPECIMEN : ARC-645

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</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-645 |
| Quantity | : 1 piece |

### SHOCK TEST SPECIFICATION :

- |                 |                      |
|-----------------|----------------------|
| Wave Form       | : Half sine wave     |
| Acceleration    | : 15 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.

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### Testing photos ARC-645 AXIS ± X



### AXIS ± Y



### AXIS ± Z



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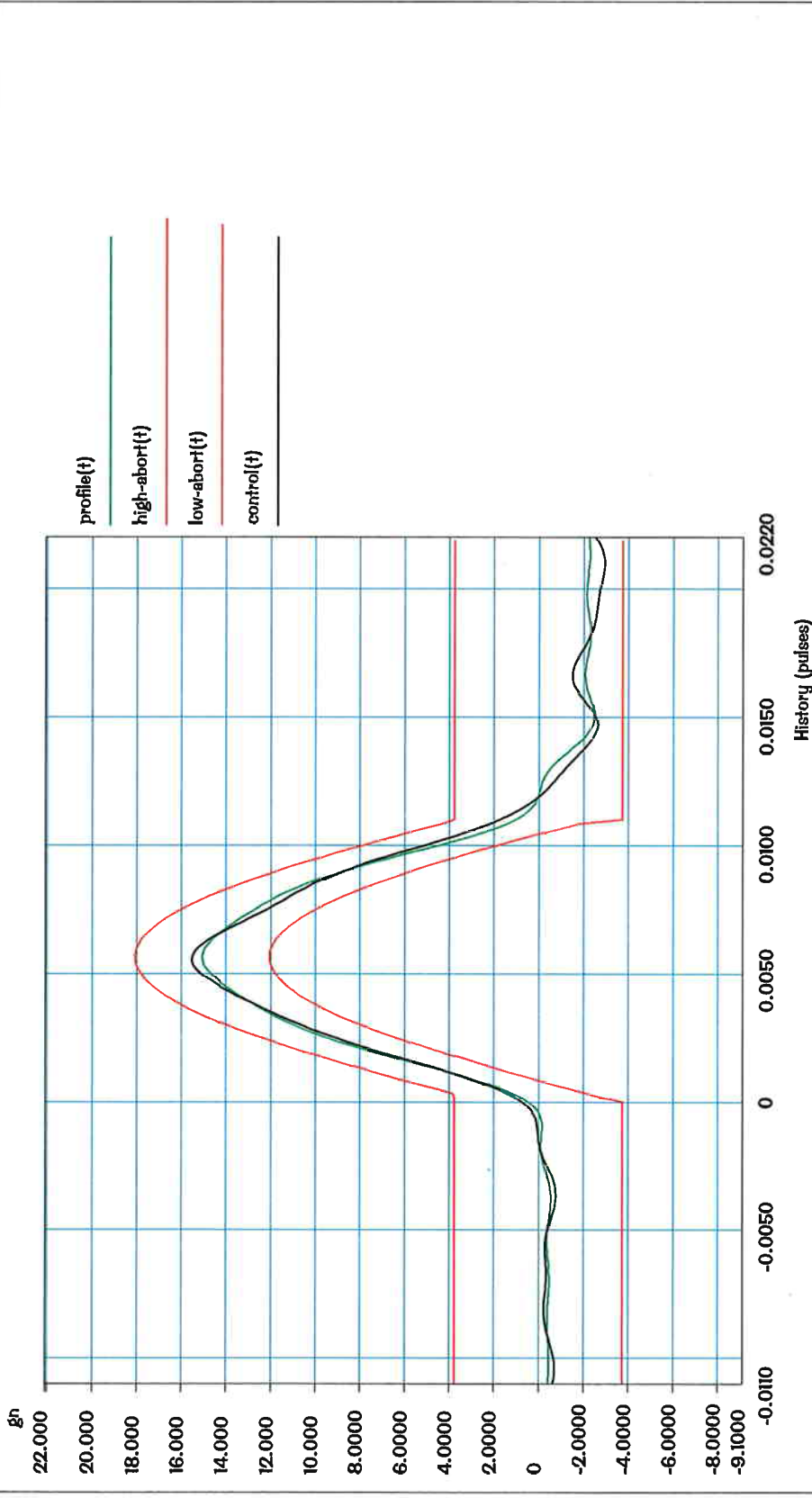
### Testing photos



Axis X

Project File Name: 研場 11rms 10g (Operation).prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 13-17-54



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

Frame Time: 0.682667 Seconds Control Peak: 15.458671 gn Control RMS: 1.490094 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0

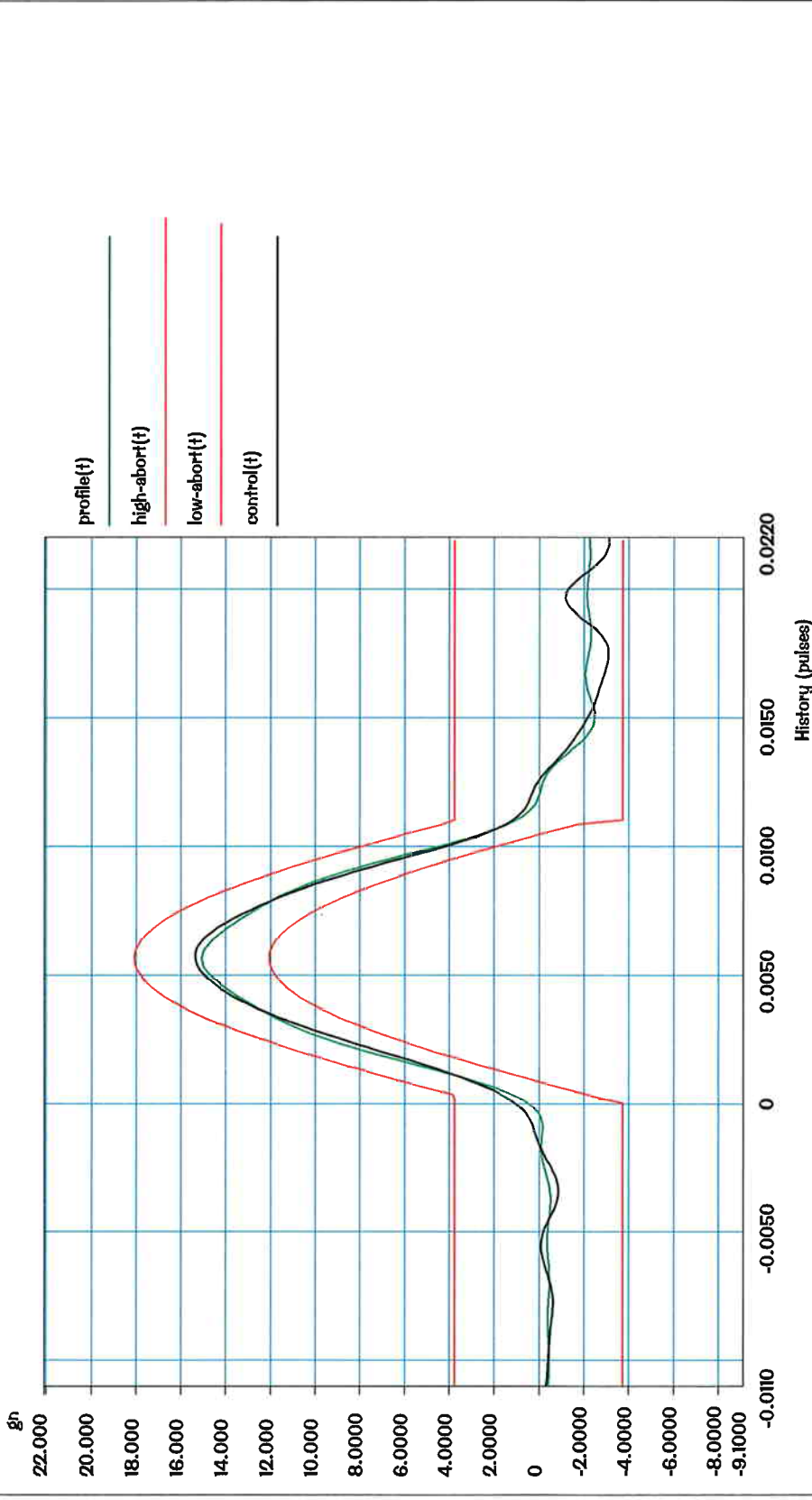
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 01:18:10 PM, Thursday, October 21, 2004 Report created at 01:18:11 PM, Thursday, October 21, 2004

Axis -X

Project File Name: 研場 11ms 10g (Operation).prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 13-23-22



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

Frame Time: 0.682667 Seconds Control Peak: 15.295095 gn Control RMS: 1.499831 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0

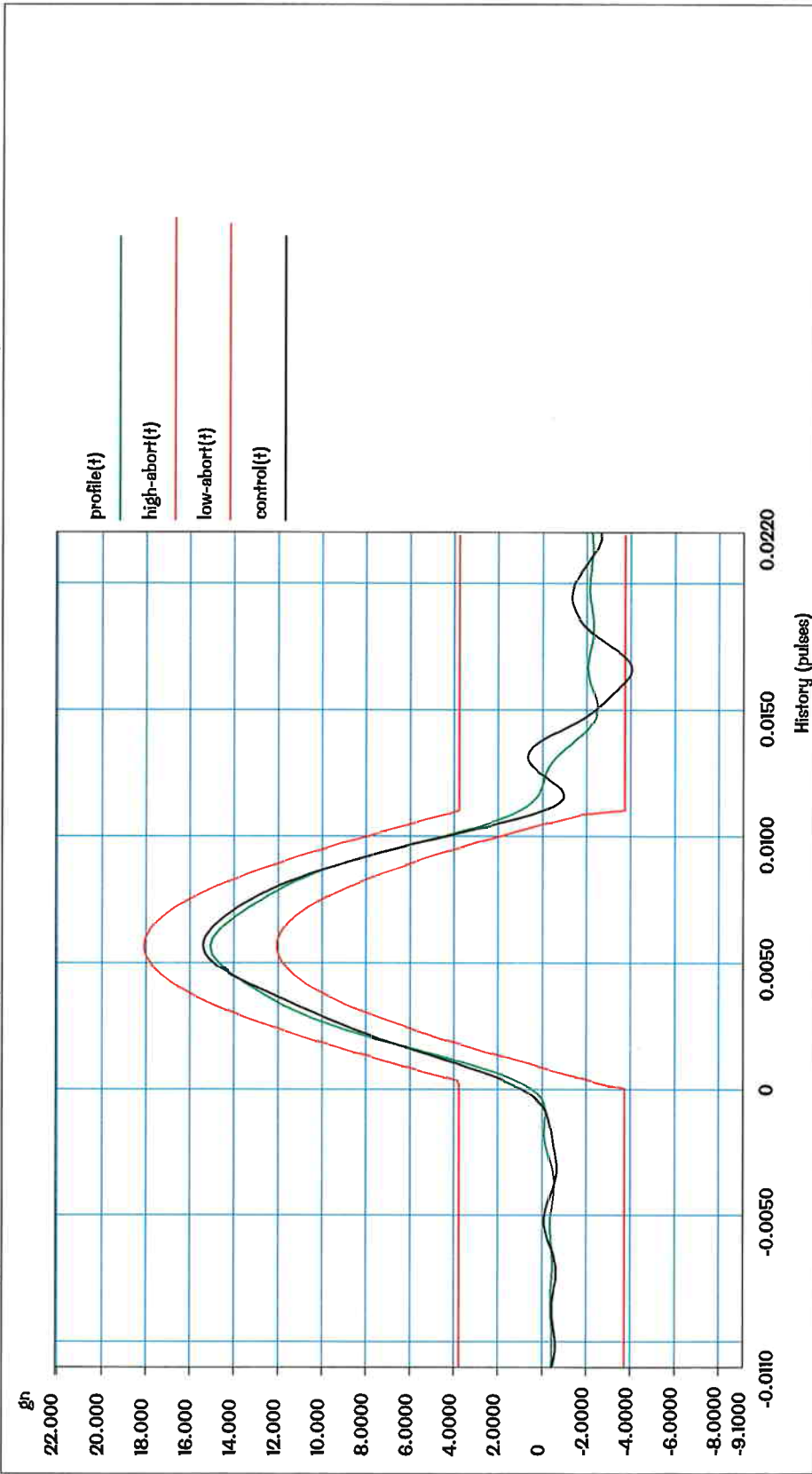
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 01:23:38 PM, Thursday, October 21, 2004 Report created at 01:23:39 PM, Thursday, October 21, 2004

Axis Y

Project File Name: 研揚 11ms 10g (Operation).prj

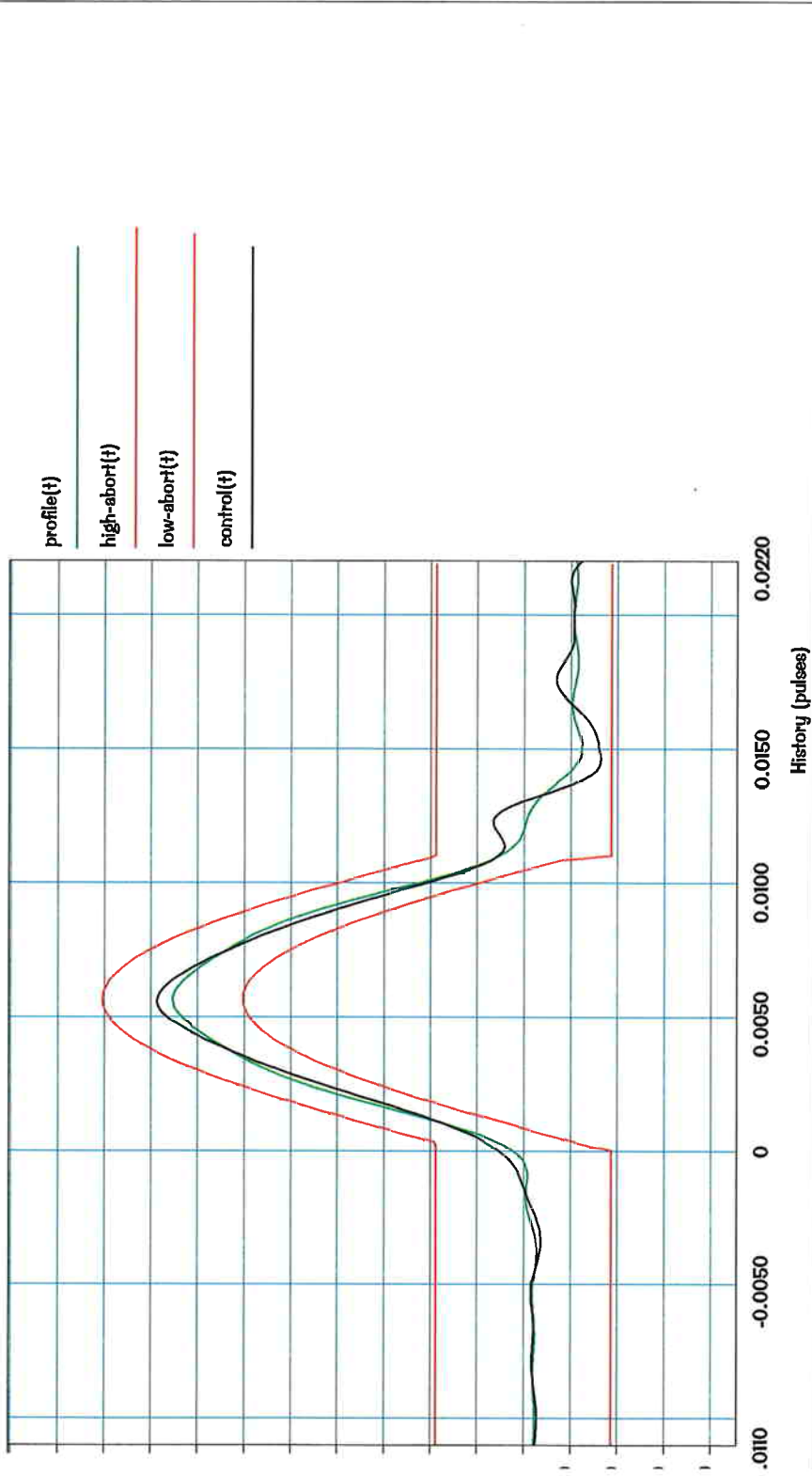
Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 11:52:04



Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.337016 gn Control RMS: 1.509198 gn  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:52:21 AM, Thursday, October 21, 2004 Report created at 11:52:22 AM, Thursday, October 21, 2004

File Name: 研揚 11ms 10g (Operation).prj

Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 13-07-03



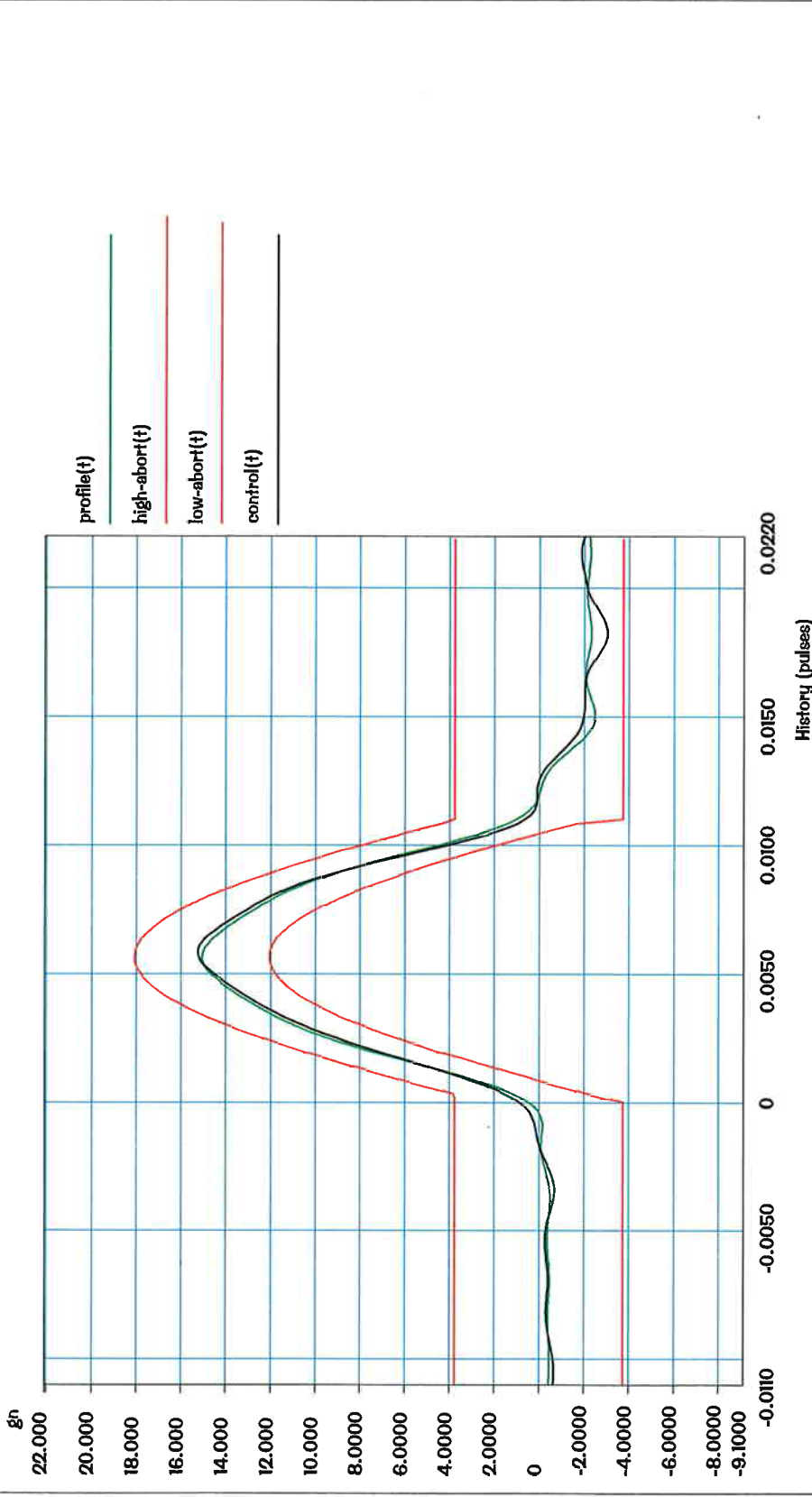
100 % Block Size: 4096 Elapsed Pulses: 10  
Time: 0.682667 Seconds Control Peak: 15.668318 gn Control RMS: 1.502128 gn Full Level Elapsed Pulses: 3  
0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Type: Half Sine . Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Created at 01:07:19 PM, Thursday, October 21, 2004 Report created at 01:07:20 PM, Thursday, October 21, 2004



Axis Z

Project File Name: 研揚 11ms 10g (Operation).prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 11-38-11

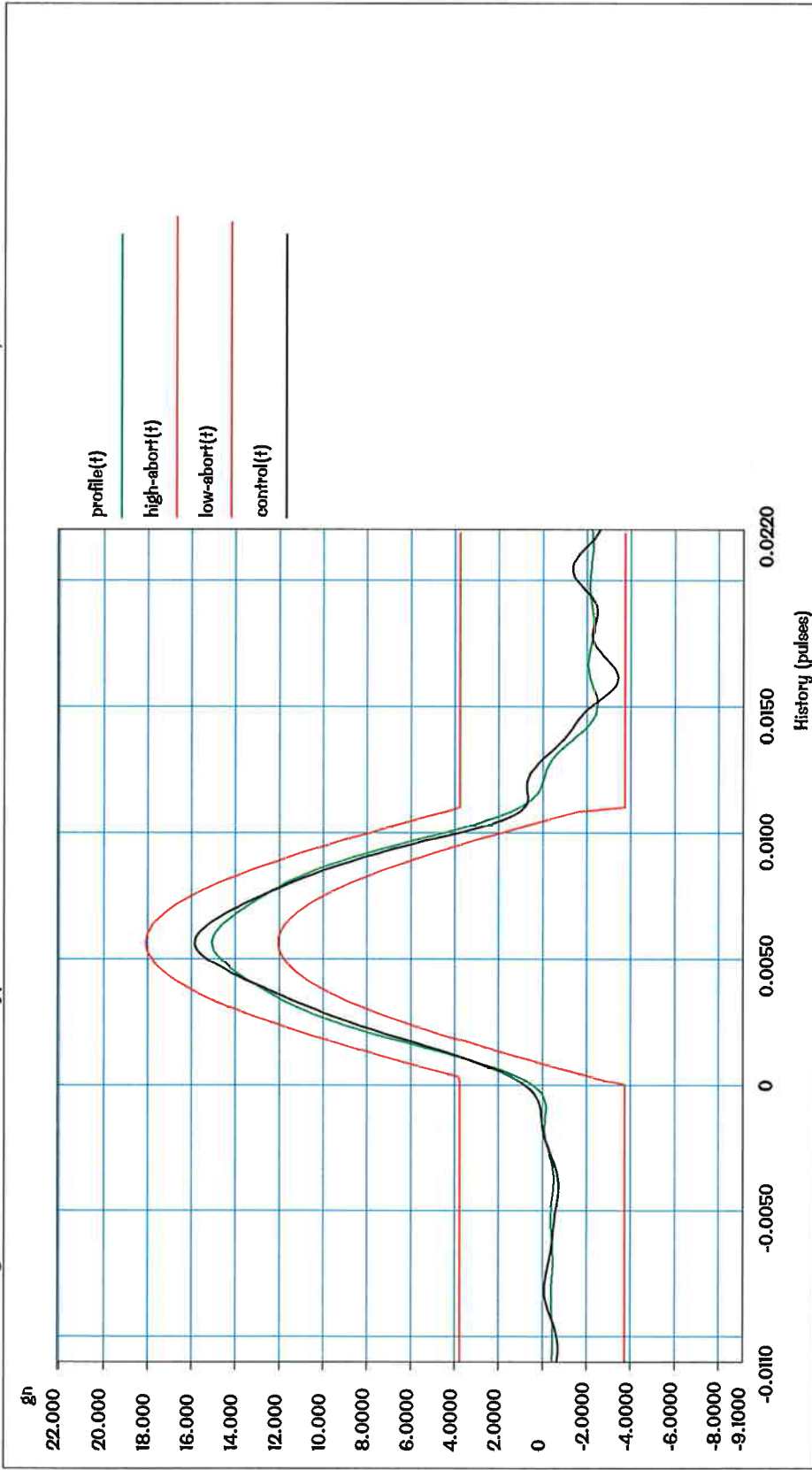


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
 Frame Time: 0.682667 Seconds Control Peak: 15.192680 gn Control RMS: 1.485967 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
 Data saved at 11:38:27 AM, Thursday, October 21, 2004 Report created at 11:38:28 AM, Thursday, October 21, 2004

Axis -Z

Project File Name: 研揚 11ms 10g (Operation).prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Oct 21, 2004 11-44-18



Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.784594 gn Control RMS: 1.496958 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:44:37 AM, Thursday, October 21, 2004 Report created at 11:44:37 AM, Thursday, October 21, 2004