

## TESTING / INSPECTION REPORT

DATE : November 16, 2004  
REPORT NO : ST-041116-1

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SPECIMEN : AOP-8150

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>Ben Hsiang</i>	
Approved by : <i>2004.11.17 David Lee</i>	Laboratory Head : <i>Dennis Ting</i>

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- 1.Shock Tester : KING DESIGN (KD-9363EM-1000F2K-50N120,  
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 : AOP-8150  
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

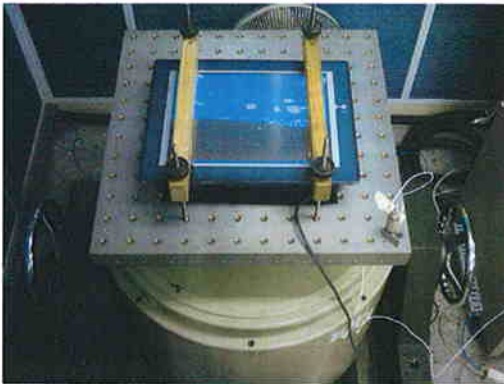
### TEST RESULT :

- Appearance Check : No damage  
Functional Check : Normal (See page 4)

## TESTING / INSPECTION REPORT

### Testing photos

#### AXIS ± X



#### AXIS ± Y



#### AXIS ± Z



## TESTING / INSPECTION REPORT

### Testing photos

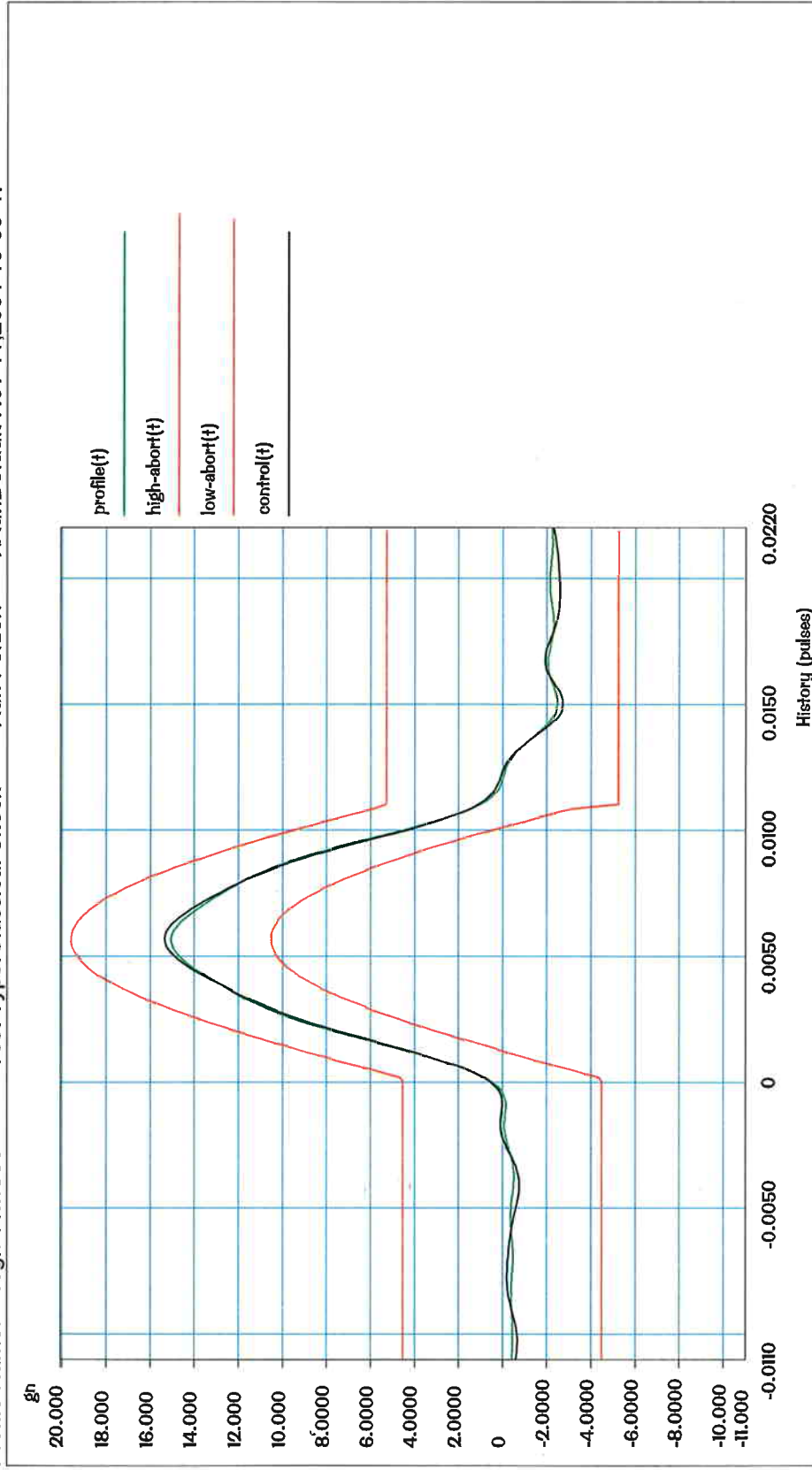
#### After test



Axis X

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 11, 2004 13:08:47



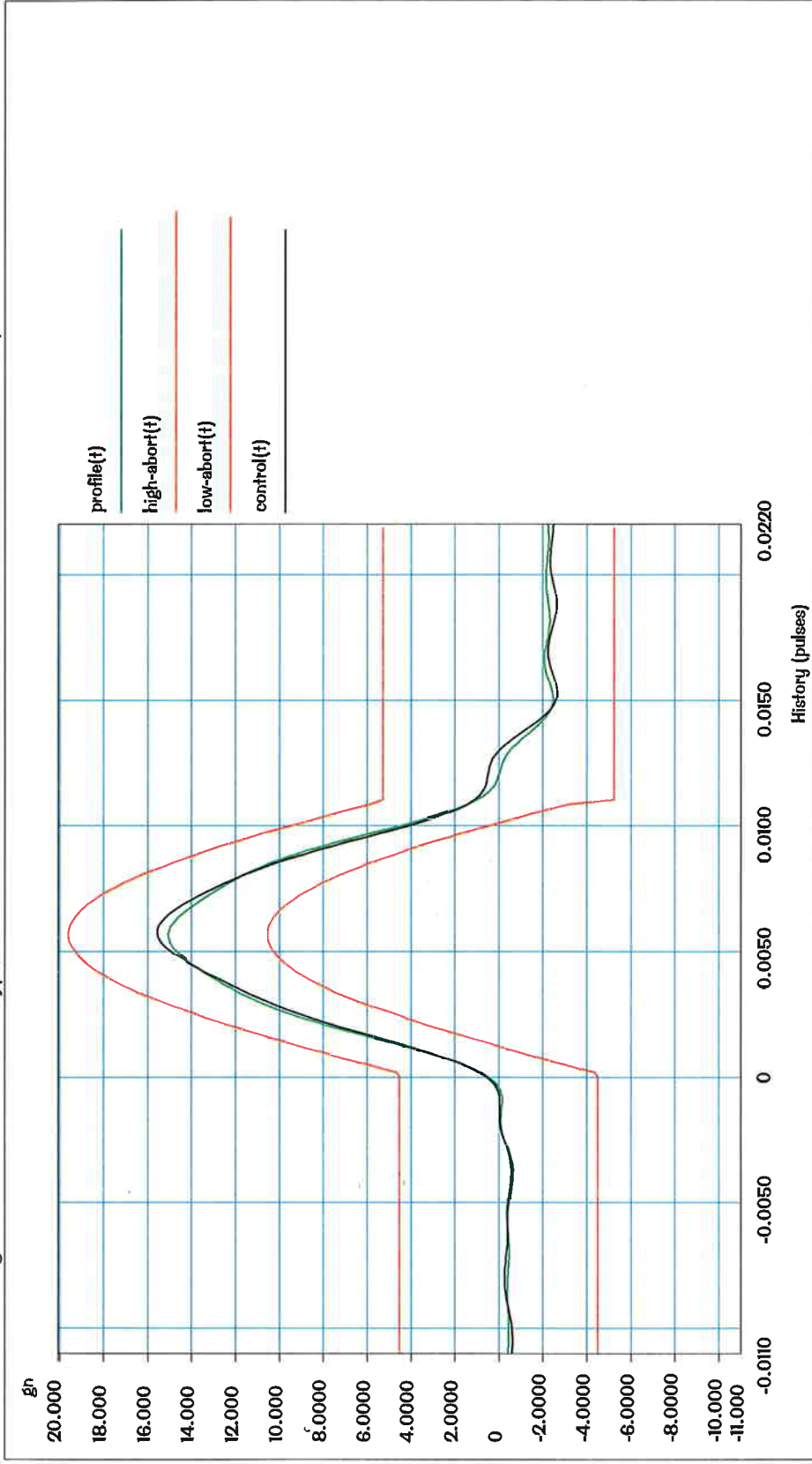
Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.291850 gn Control RMS: 1.493763 gn  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 01:09:05 PM, Thursday, November 11, 2004 Report created at 01:09:05 PM, Thursday, November 11, 2004



Axis -X

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type:Classical Shock Run Folder: .RunDefault Nov 11,2004 13-26-00



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

Frame Time: 0.682667 Seconds Control Peak: 15.505207 gn Control RMS: 1.494254 gn Full Level Elapsed Pulses: 3

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

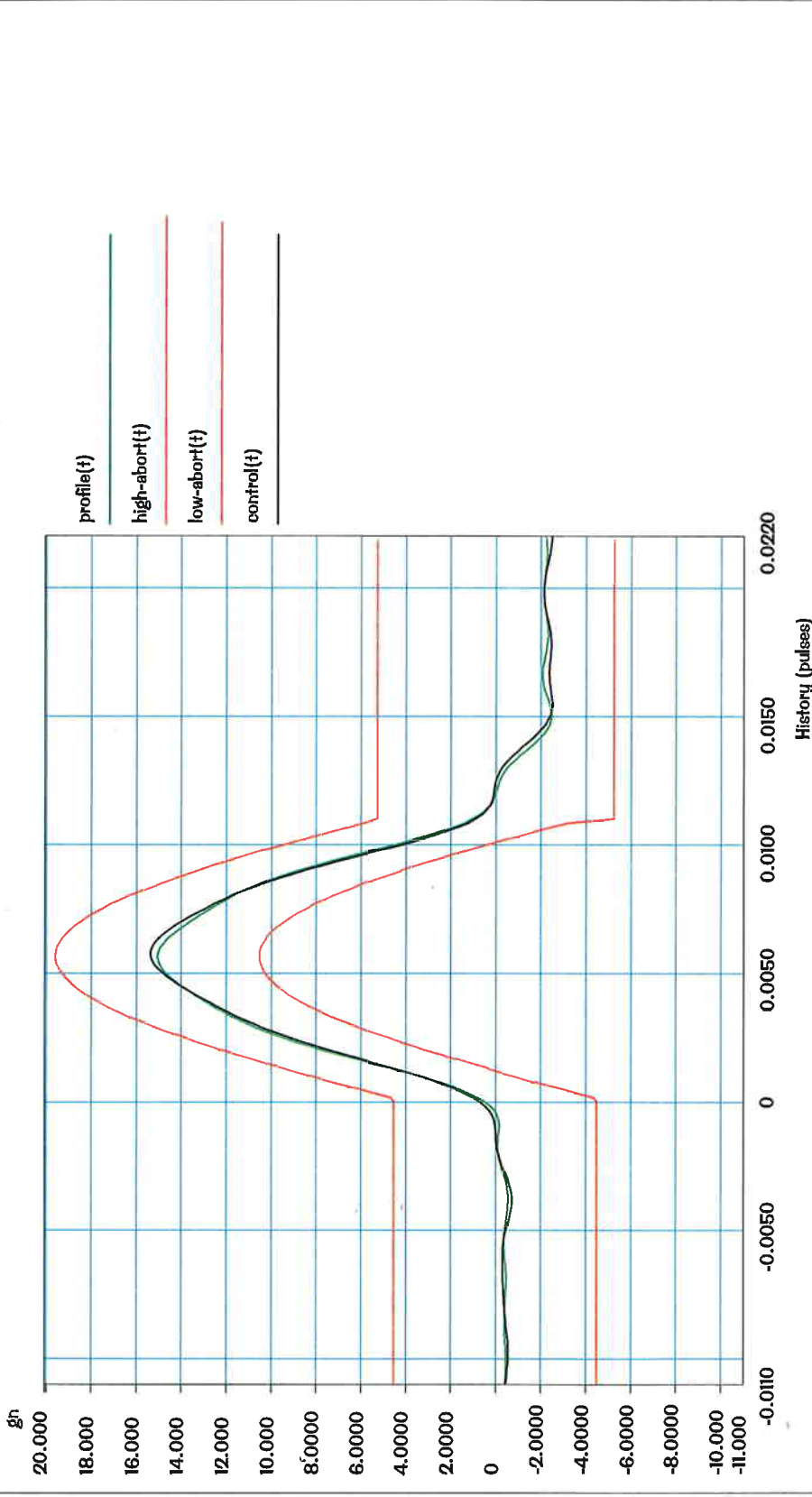
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 01:26:22 PM, Thursday, November 11, 2004 Report created at 01:26:23 PM, Thursday, November 11, 2004

Axis Y

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 11, 2004 13-32-34

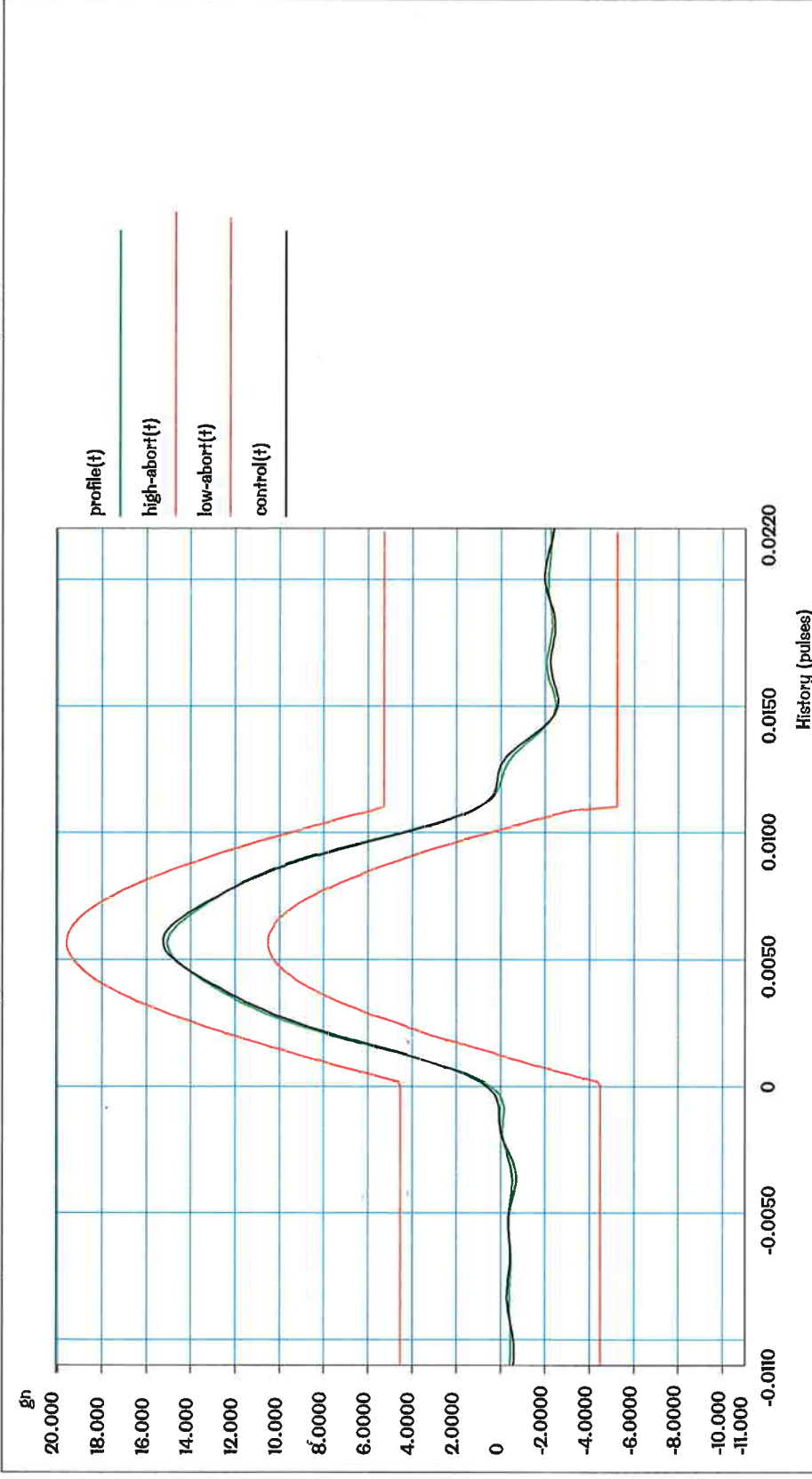


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.317619 gn Control RMS: 1.491440 gn  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 01:32:50 PM, Thursday, November 11, 2004 Report created at 01:32:51 PM, Thursday, November 11, 2004

Axis -Y

Project File Name: 研場 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type:Classical Shock Run Folder: .RunDefault Nov 11,2004 13-42-15



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

Frame Time: 0.682667 Seconds Control Peak: 15.204072 gn Control RMS: 1.484517 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

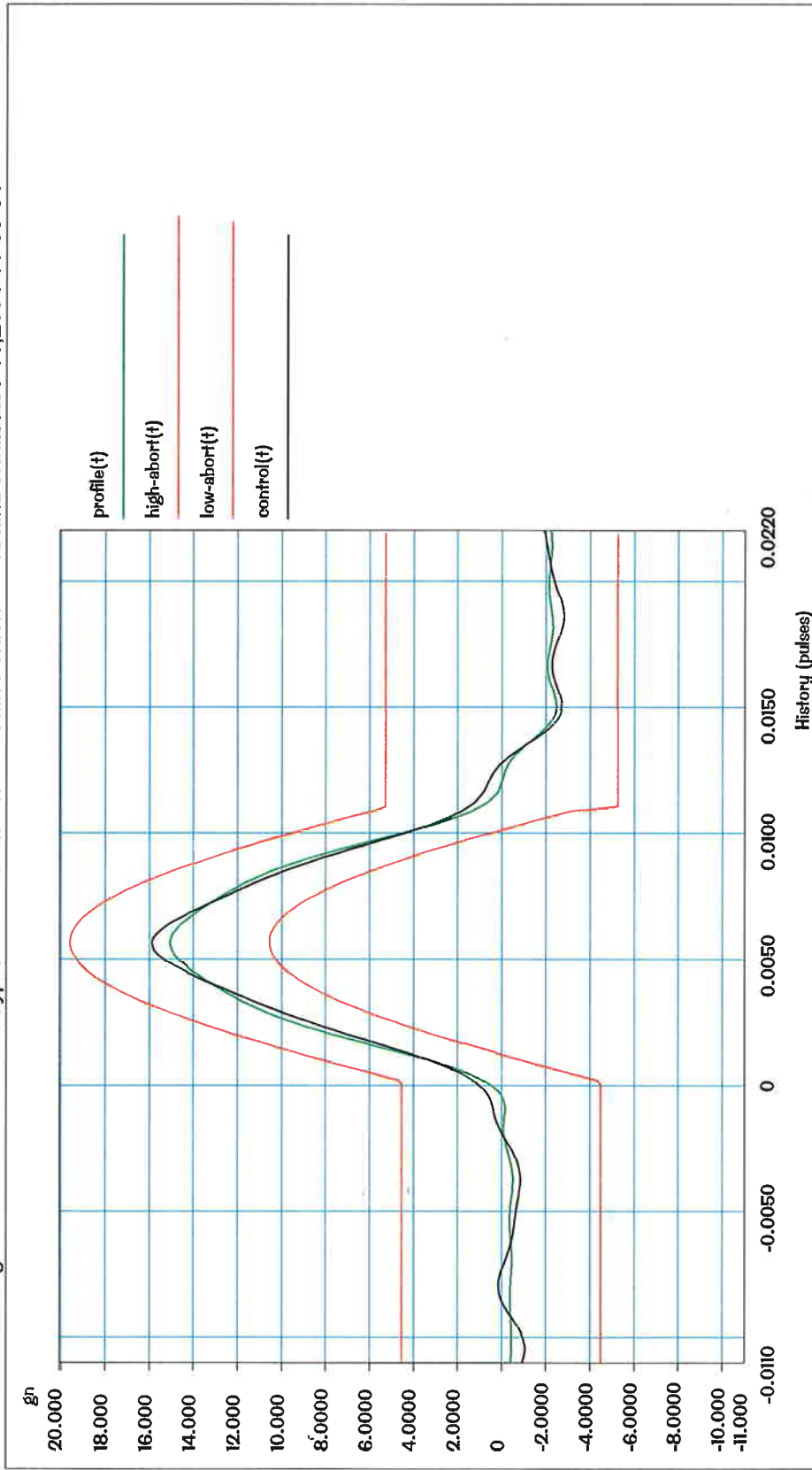
Data saved at 01:42:32 PM, Thursday, November 11, 2004 Report created at 01:42:33 PM, Thursday, November 11, 2004



Axis Z

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 11, 2004 11:55-04



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

Frame Time: 0.682667 Seconds Control Peak: 15.816164 gn Control RMS: 1.501682 gn Full Level Elapsed Pulses: 3

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

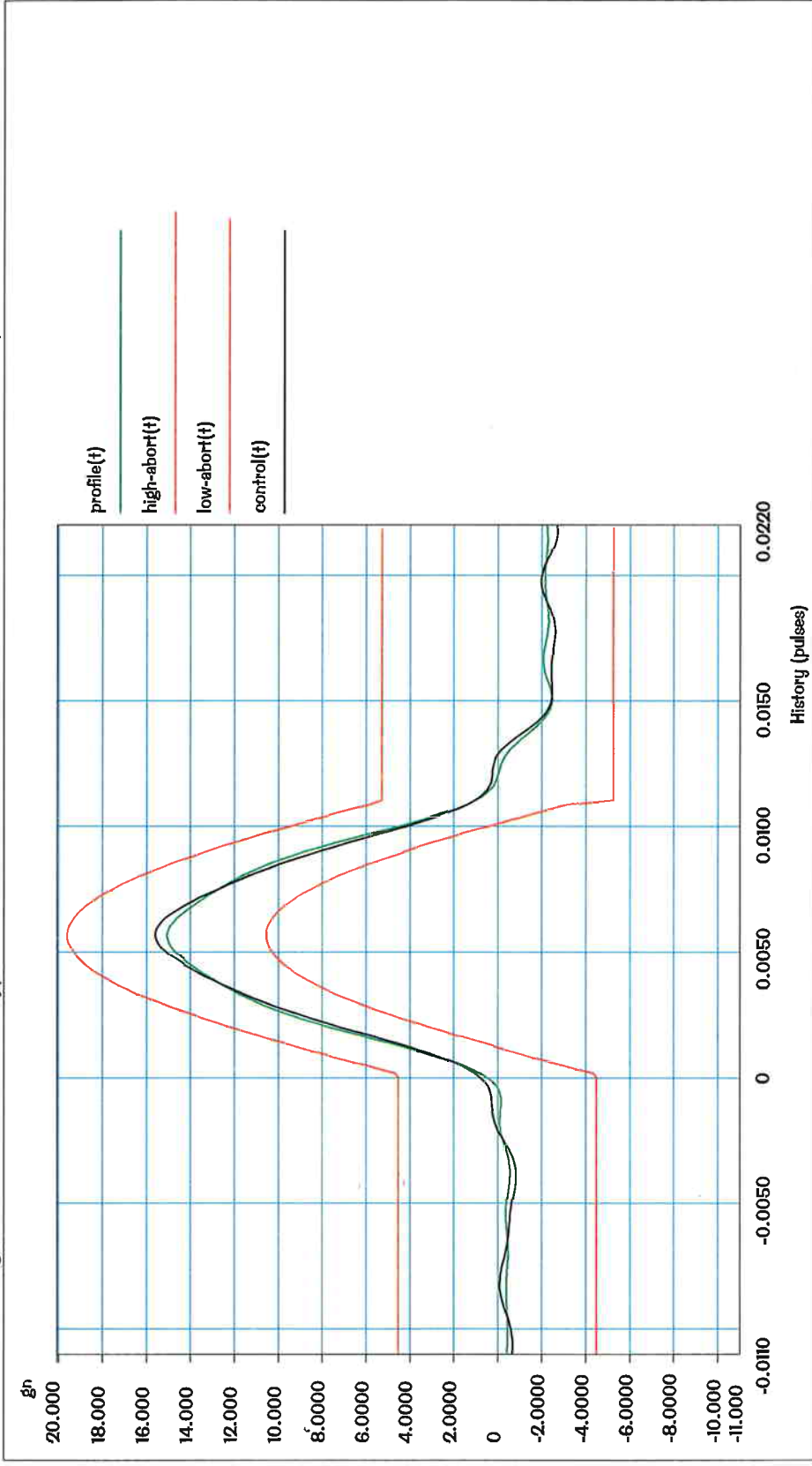
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 11:55:21 AM, Thursday, November 11, 2004 Report created at 11:55:22 AM, Thursday, November 11, 2004

Axis -Z

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15gn 11mSec Test Type:Classical Shock Run Folder: .RunDefault Nov 11,2004 12-00-36



Level: 100 % Block Size: 4096 Elapsed Pulses:10 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.544017 gn Control RMS: 1.492437 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 12:00:54 PM, Thursday, November 11, 2004 Report created at 12:00:54 PM, Thursday, November 11, 2004