

## TESTING / INSPECTION REPORT

DATE : June 14, 2004

REPORT NO : ST-040614-3

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SPECIMEN : AOP

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 :

*Dennis*

Approved by :

*2004.6.15 David Lee*

Laboratory Head :

*Dennis Ting*

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- 1.Shock Tester : KING DESIGN (KD-9363-600F2K-50N120,  
S/N: KDS11054986)
- 2.Controller : DACTRON (FRONT-End Box, S/N: 4529465)
- 3.Control Accelerometer : Wilcoxon Research (WR-777 , S/N:3425)

### TEST ENVIRONMENT :

- Temperature : 23± 2°C
- Humidity : 70± 20% RH

### SPECIMEN :

- Model : AOP-8060
- 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
- Function check : Normal

## TESTING / INSPECTION REPORT

### Testing photos

#### AXIS $\pm$ X



#### AXIS $\pm$ Y



#### AXIS $\pm$ Z



## TESTING / INSPECTION REPORT

### Testing photos

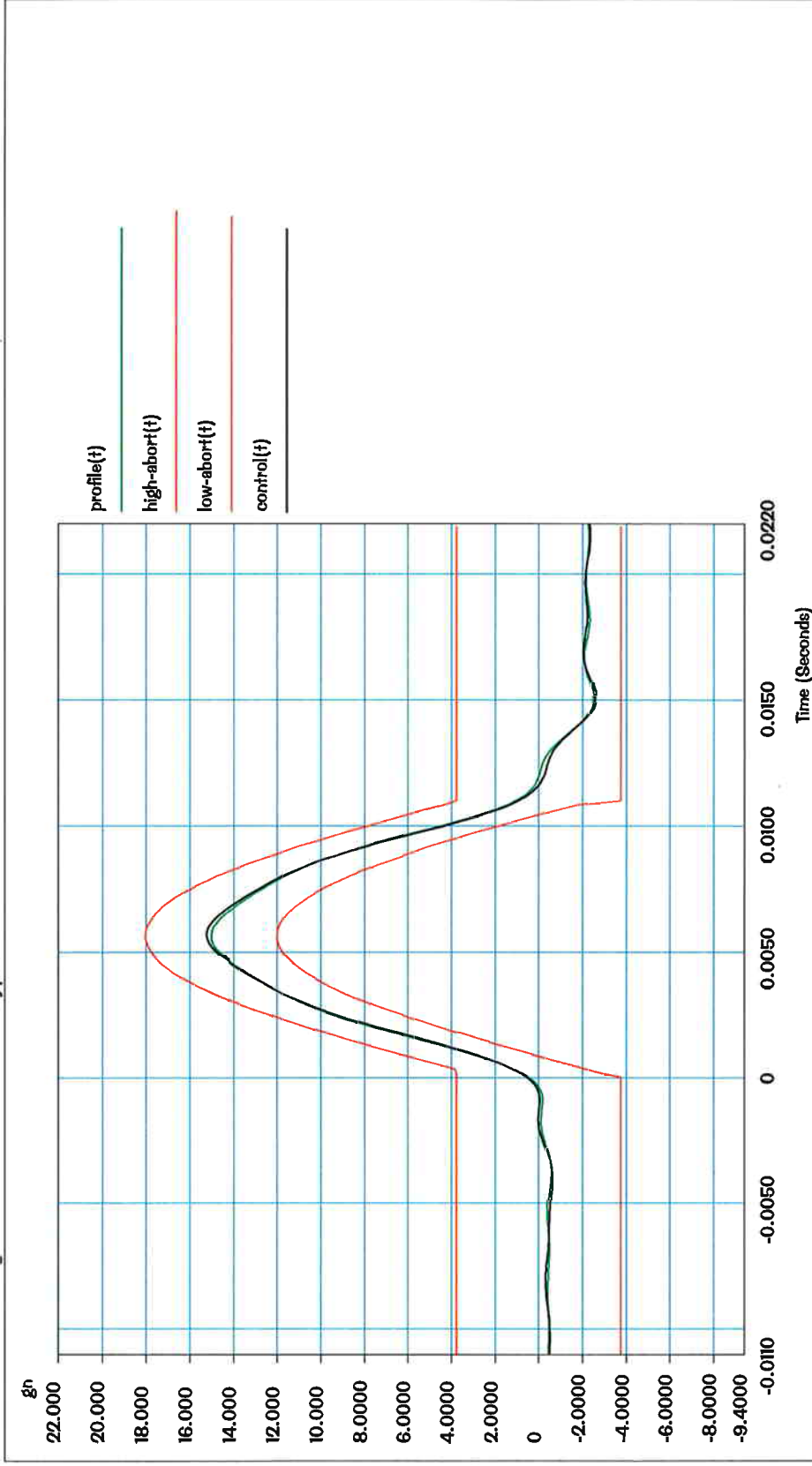
#### After test



Axis X

Project File Name: 研揚.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 10, 2004 11-13-07



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

Frame Time: 0.682667 Seconds Control Peak: 15.208135 gn Control RMS: 1.492812 gn Full Level Elapsed Pulses: 3

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

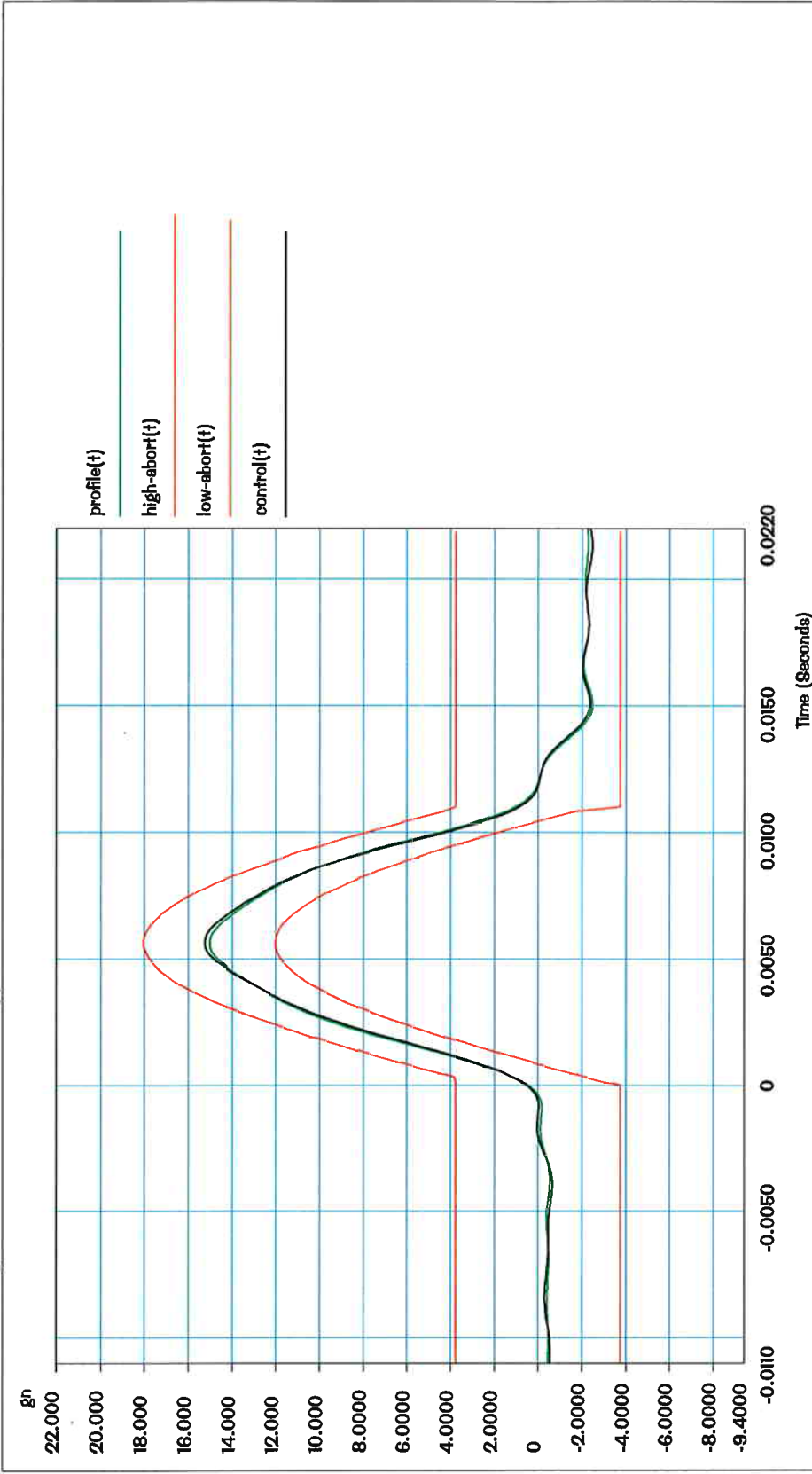
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 11:13:29 AM, Thursday, June 10, 2004 Report created at 11:13:30 AM, Thursday, June 10, 2004

Axis -X

Project File Name: 研揚.pj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 10, 2004 11-19-04

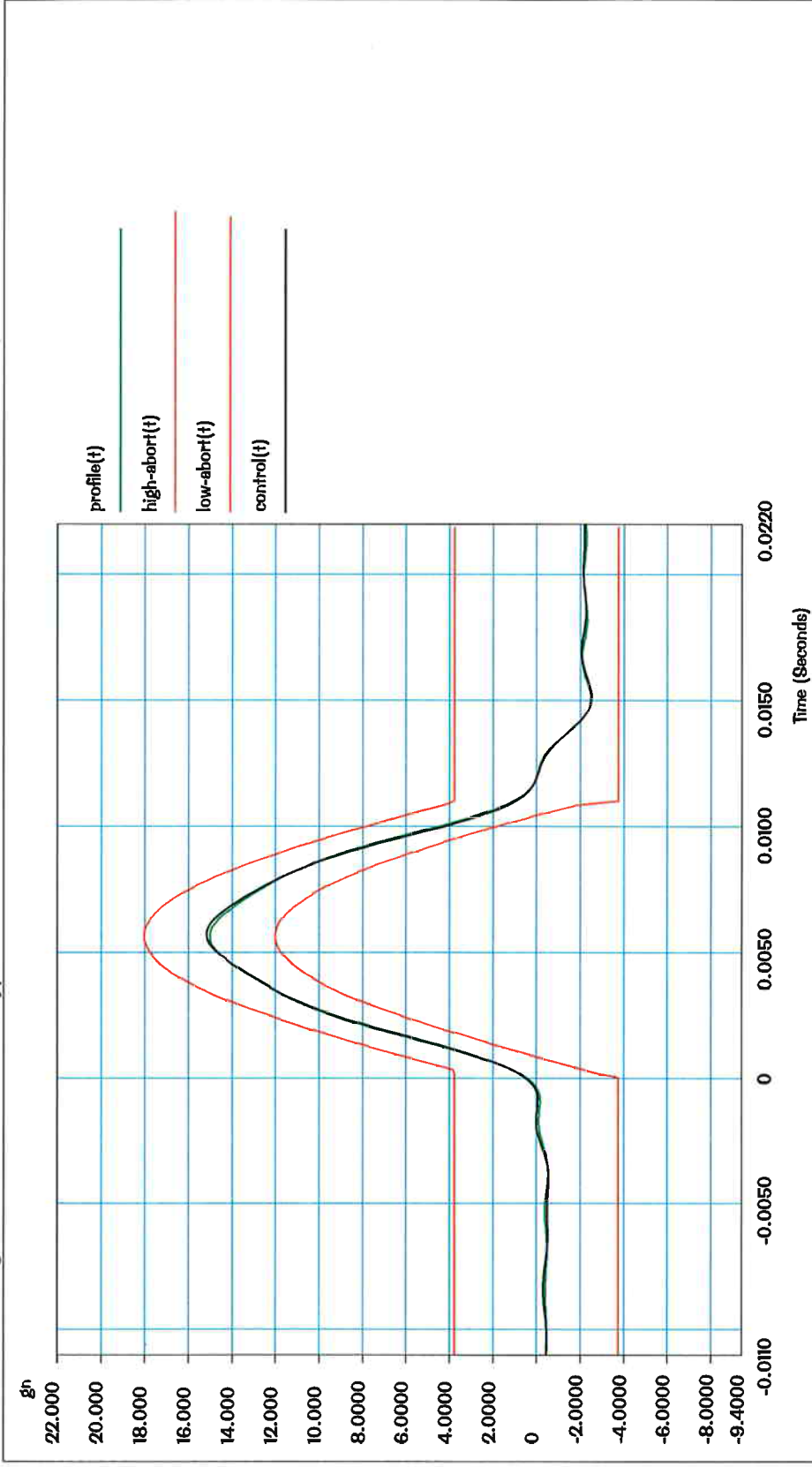


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.233028 gn Control RMS: 1.489976 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:19:26 AM, Thursday, June 10, 2004 Report created at 11:19:26 AM, Thursday, June 10, 2004

Axis Y

Project File Name: 研揚.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jun 10, 2004 11-06-46

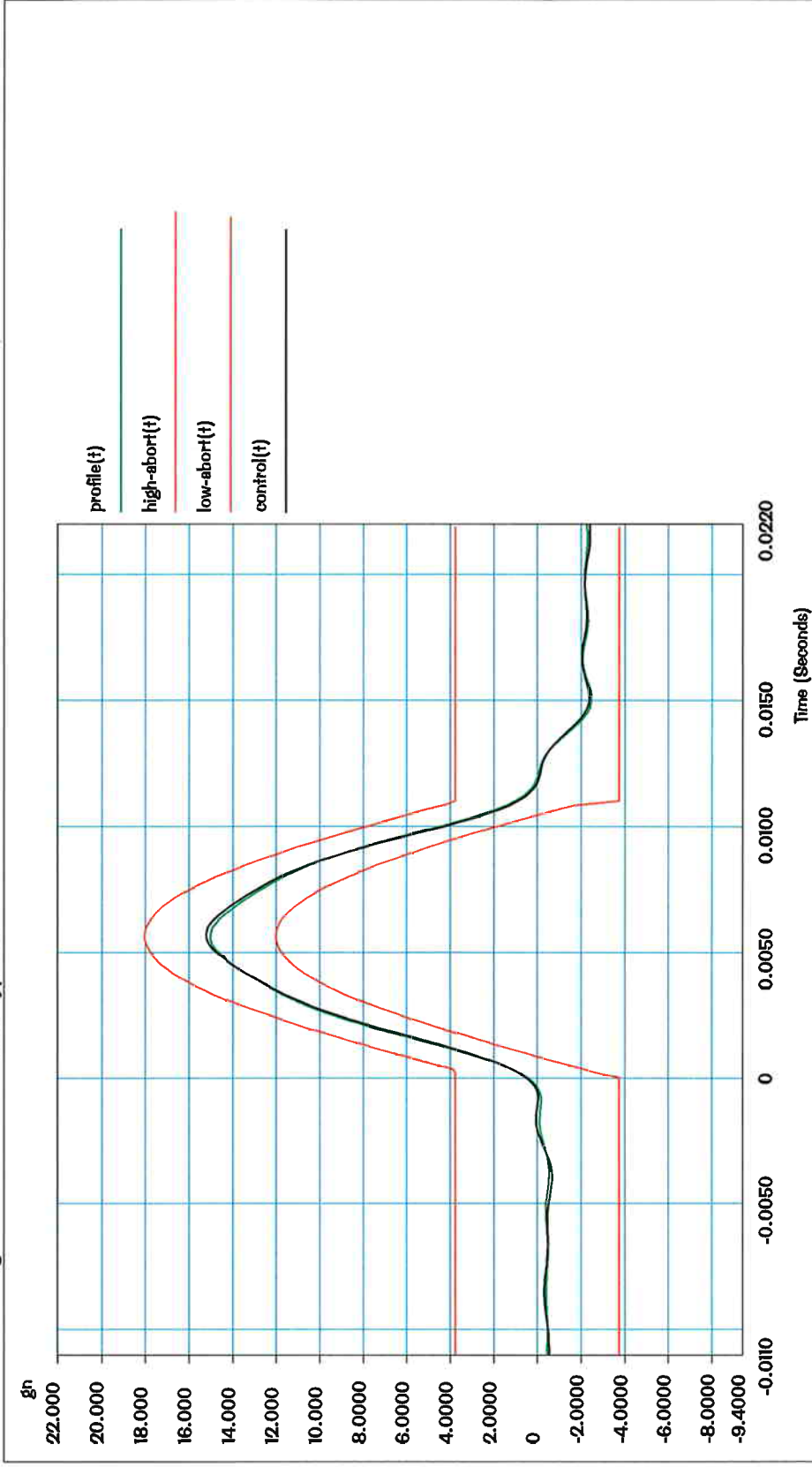


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.151774 gn Control RMS: 1.484929 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:07:09 AM, Thursday, June 10, 2004 Report created at 11:07:10 AM, Thursday, June 10, 2004

Axis - Y

Project File Name: 研揚.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Jun 10, 2004 11-09-09



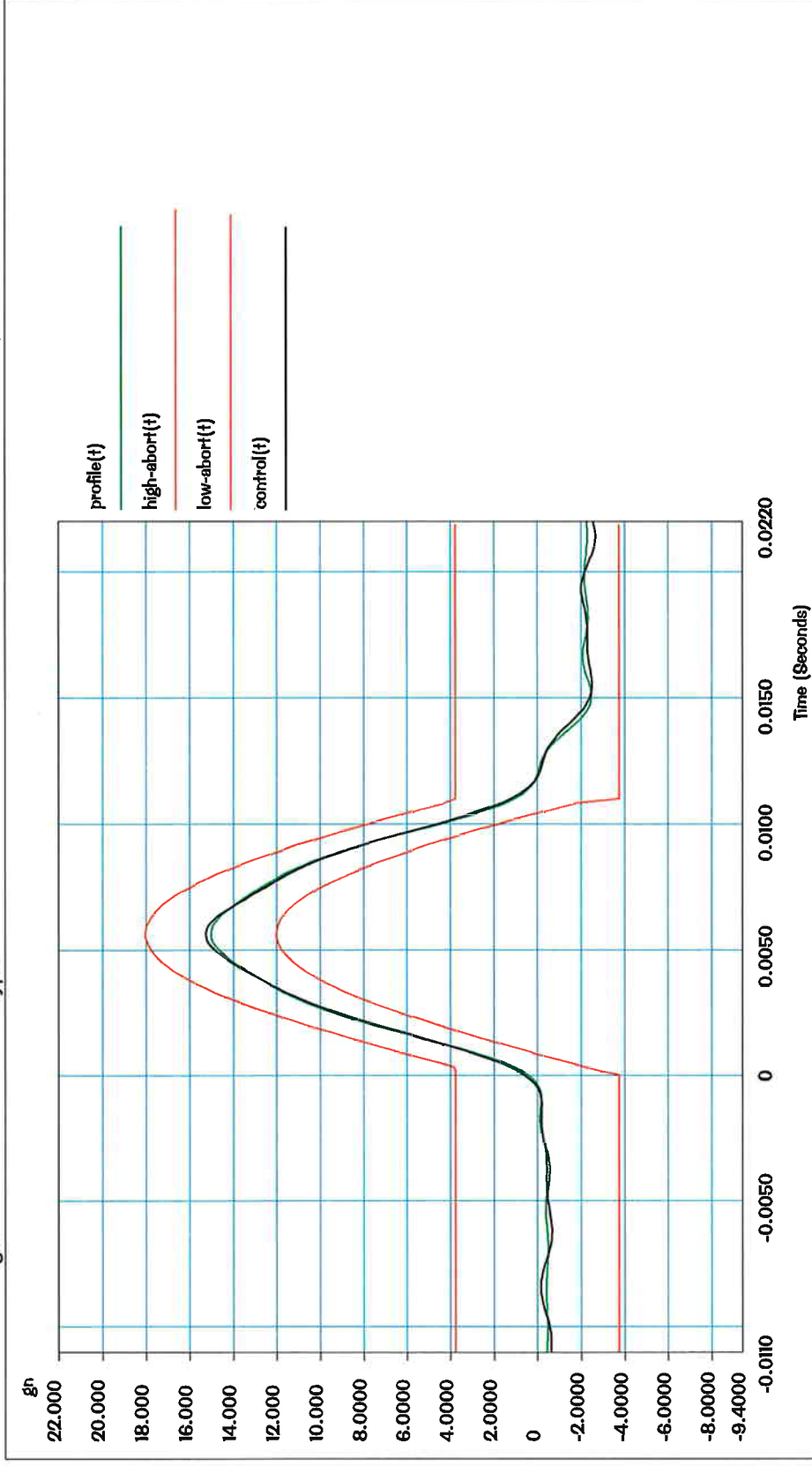
Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.192177 gn Control RMS: 1.490676 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.476277 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:10:15 AM, Thursday, June 10, 2004 Report created at 11:10:16 AM, Thursday, June 10, 2004



Axis Z

Project File Name: 研揚.prj

Profile Name: 15gn 11mSec      Test Type: Classical Shock      Run Folder: .\RunDefault Jun 10, 2004 10-50-58



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

Frame Time: 0.682667 Seconds      Control Peak: 15.245390 gn      Control RMS: 1.489290 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 10:51:19 AM, Thursday, June 10, 2004      Report created at 10:51:20 AM, Thursday, June 10, 2004

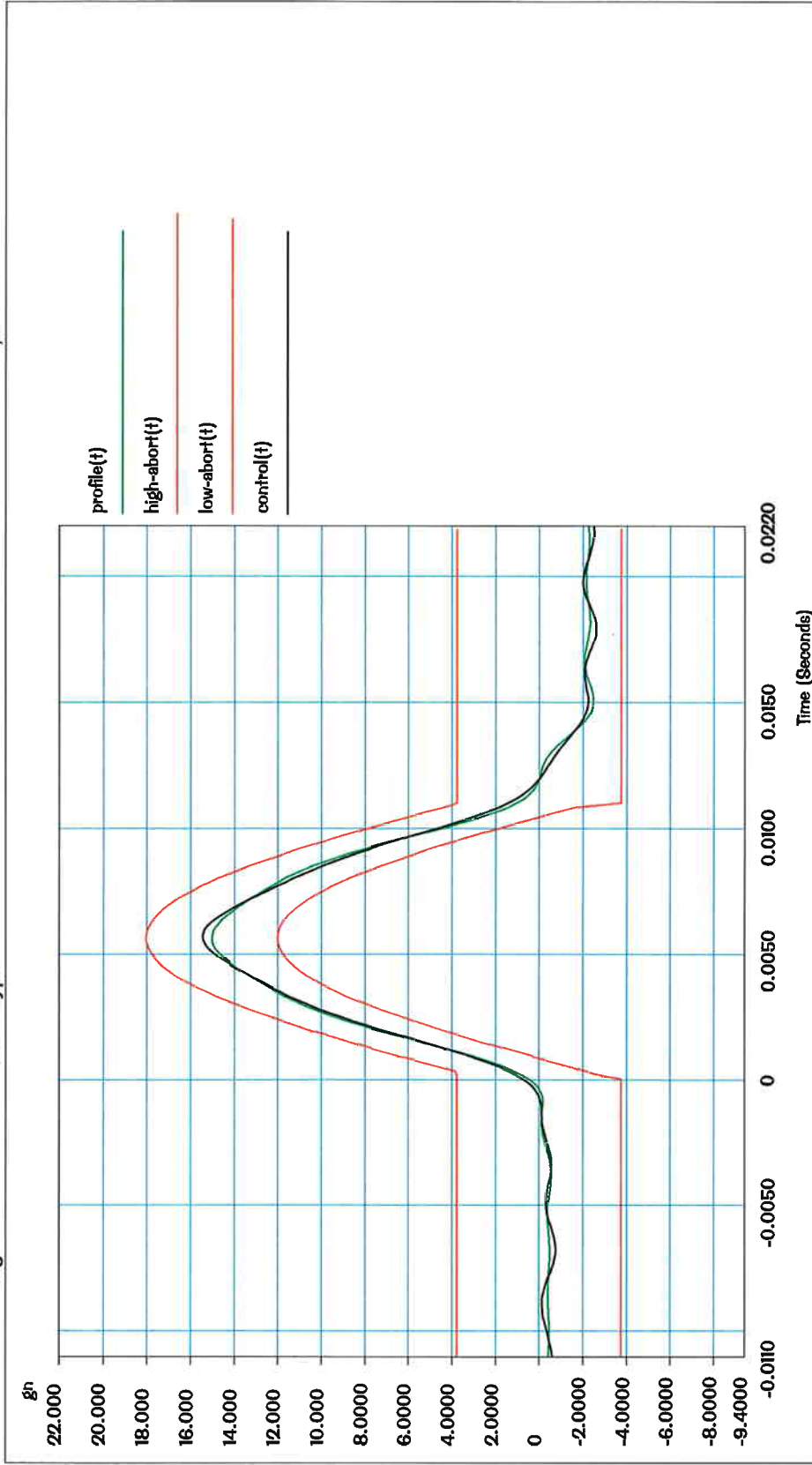
Axis -Z

Project File Name: 研揚.prj

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Jun 10,2004 10-52-47



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

Frame Time: 0.682667 Seconds Control Peak: 15.420100 gn Control RMS: 1.489818 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 10:53:08 AM, Thursday, June 10, 2004 Report created at 10:53:09 AM, Thursday, June 10, 2004