

KING DESIGN INDUSTRIAL CO., LTD.  
5F, NO 3, Lane 270, Pei Shen Road Sec.3,  
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C  
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

VIBRATION LABORATORY  
http: //www.king-design.com.tw  
E-mail: kingdsgn@ms8.hinet.net

## TESTING / INSPECTION REPORT

DATE : October 21, 2003  
REPORT NO : ST-031021-1

COMPANY : AAEON Technology Inc.  
5F, No.135, Lane 235, Pao Chiao Rd.  
Hsin-Tien City, Taipei, Taiwan, R. O. C.  
TEL : 886-2-8919-1234  
FAX : 886-2-8919-1049

SPECIMEN : AMB-551-D-780 / AMB-551-D-860

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

### REMARKS :

- The results only apply to the device under test.
- This report is 16 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer :

*Dennis*

Approved by :

*Dave Lee*

Laboratory Head :

*Dennis Ting*



KING DESIGN INDUSTRIAL CO., LTD.  
5F, NO 3, Lane 270, Pei Shen Road Sec.3,  
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C  
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

VIBRATION LABORATORY  
<http://www.king-design.com.tw>  
E-mail: kingdsgn@ms8.hinet.net

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- |                          |  |
|--------------------------|--|
| 1. Shock Tester          | : KING DESIGN (KD-9363-600F2K-50N120,<br>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 | : 25± 2°C    |
| Humidity    | : 70± 20% RH |

### SPECIMEN :

- |          |                                 |
|----------|---------------------------------|
| Model    | : AMB-551-D-780 / AMB-551-D-860 |
| Quantity | : Each model 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, -X, +Y, -Y, +Z, -Z axis |

### TEST RESULT :

Appearance check : No damage

KING DESIGN INDUSTRIAL CO., LTD.  
5F, NO 3, Lane 270, Pei Shen Road Sec.3,  
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C  
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

VIBRATION LABORATORY  
<http://www.king-design.com.tw>  
E-mail: kingdsgn@ms8.hinet.net

## TESTING / INSPECTION REPORT

Testing photos  
AMB-551-D-780  
AXIS  $\pm$  X



AXIS  $\pm$  Y



AXIS  $\pm$  Z



Axis x 780

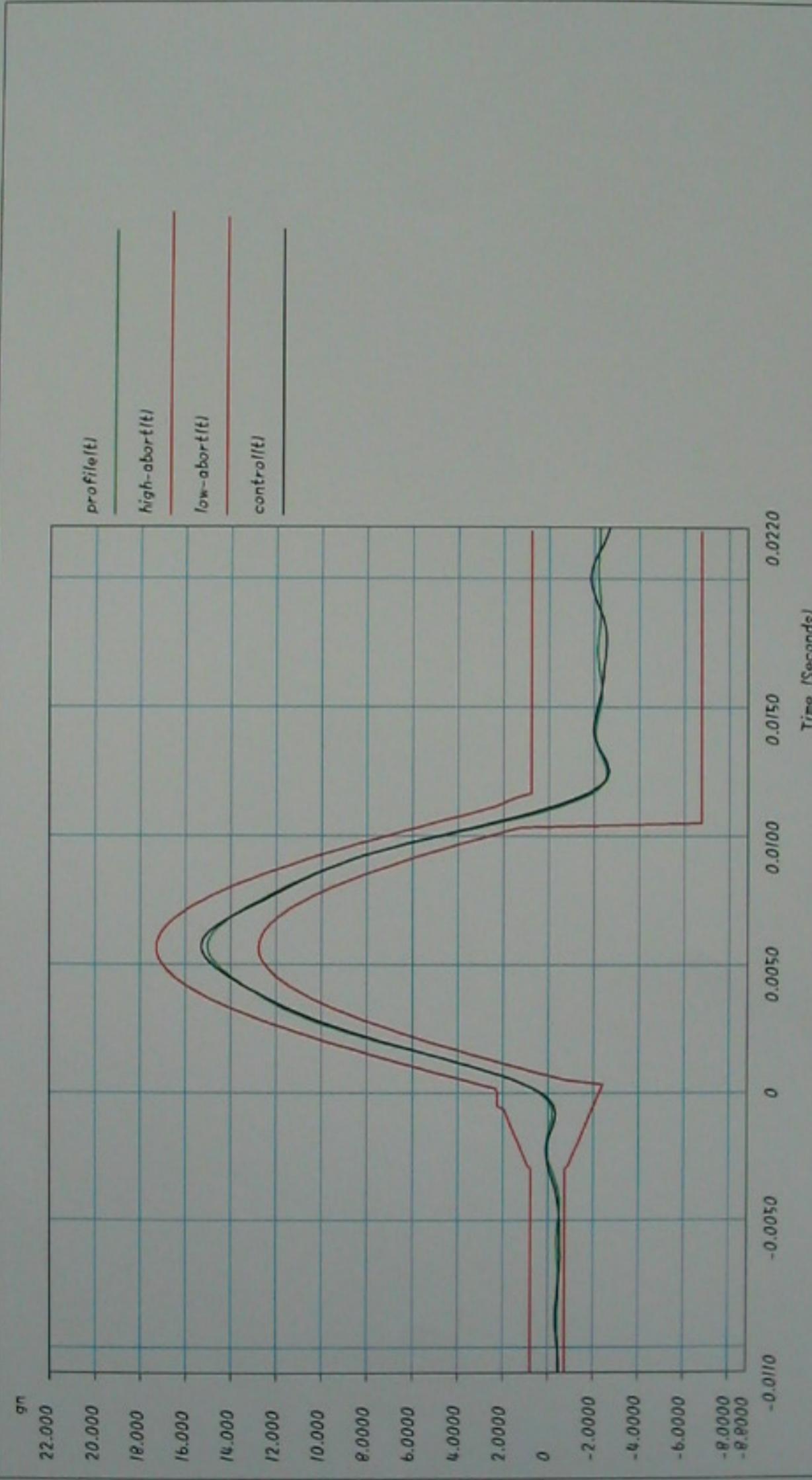
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Oct 21, 2003 14-30-51



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

Frame Time: 0.682667 Seconds Control Peak: 15.272601 gn Control RMS: 1.494803 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 02:31:13 PM, Tuesday, October 21, 2003 Report created at 02:31:14 PM, Tuesday, October 21, 2003

Axis -x 780

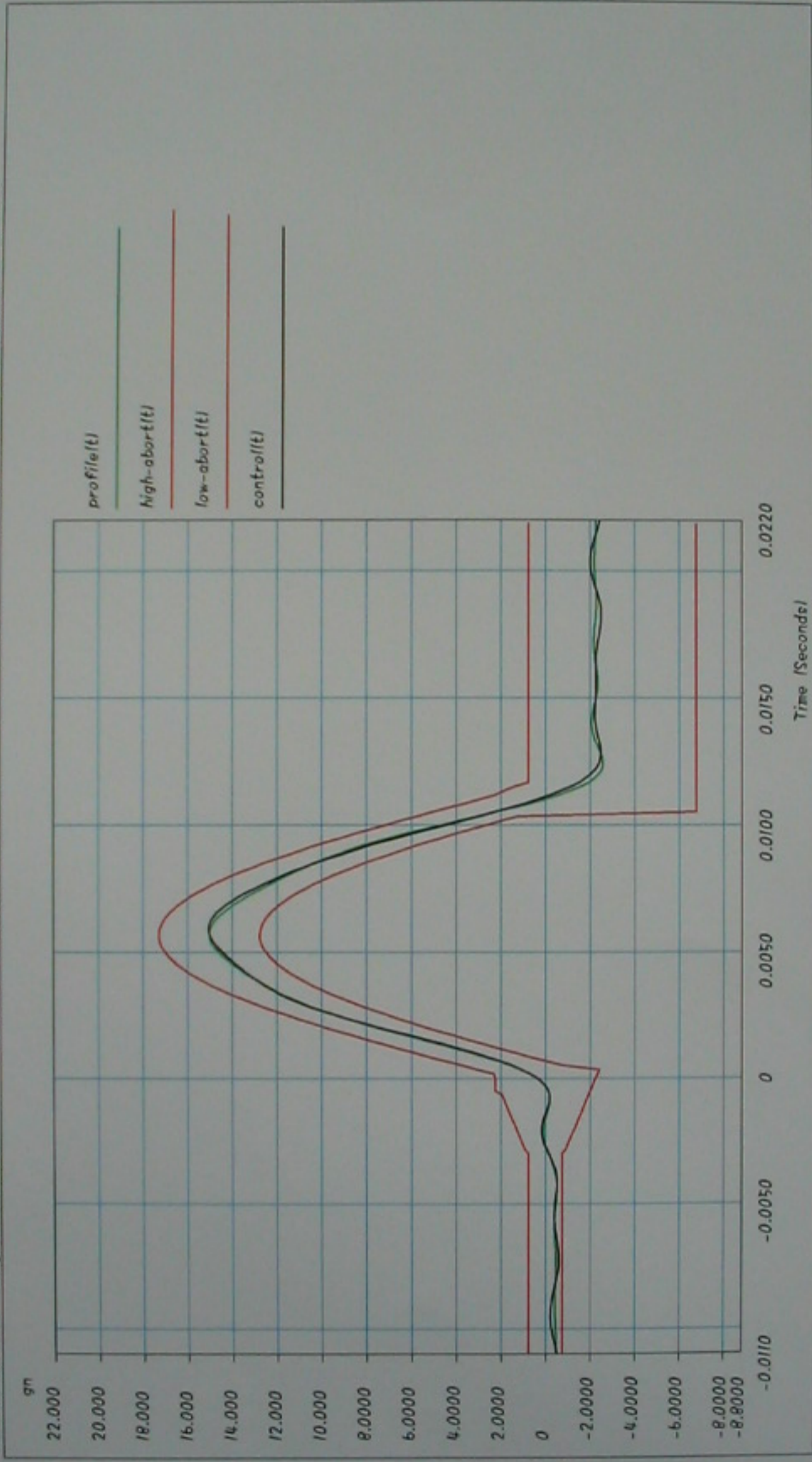
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Oct 21, 2003 14-36-49



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

Frame Time: 0.682667 Seconds Control Peak: 15.019004 gn Control RMS: 1.492774 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 02:37:10 PM, Tuesday, October 21, 2003

Report created at 02:37:11 PM, Tuesday, October 21, 2003

Axis y 780

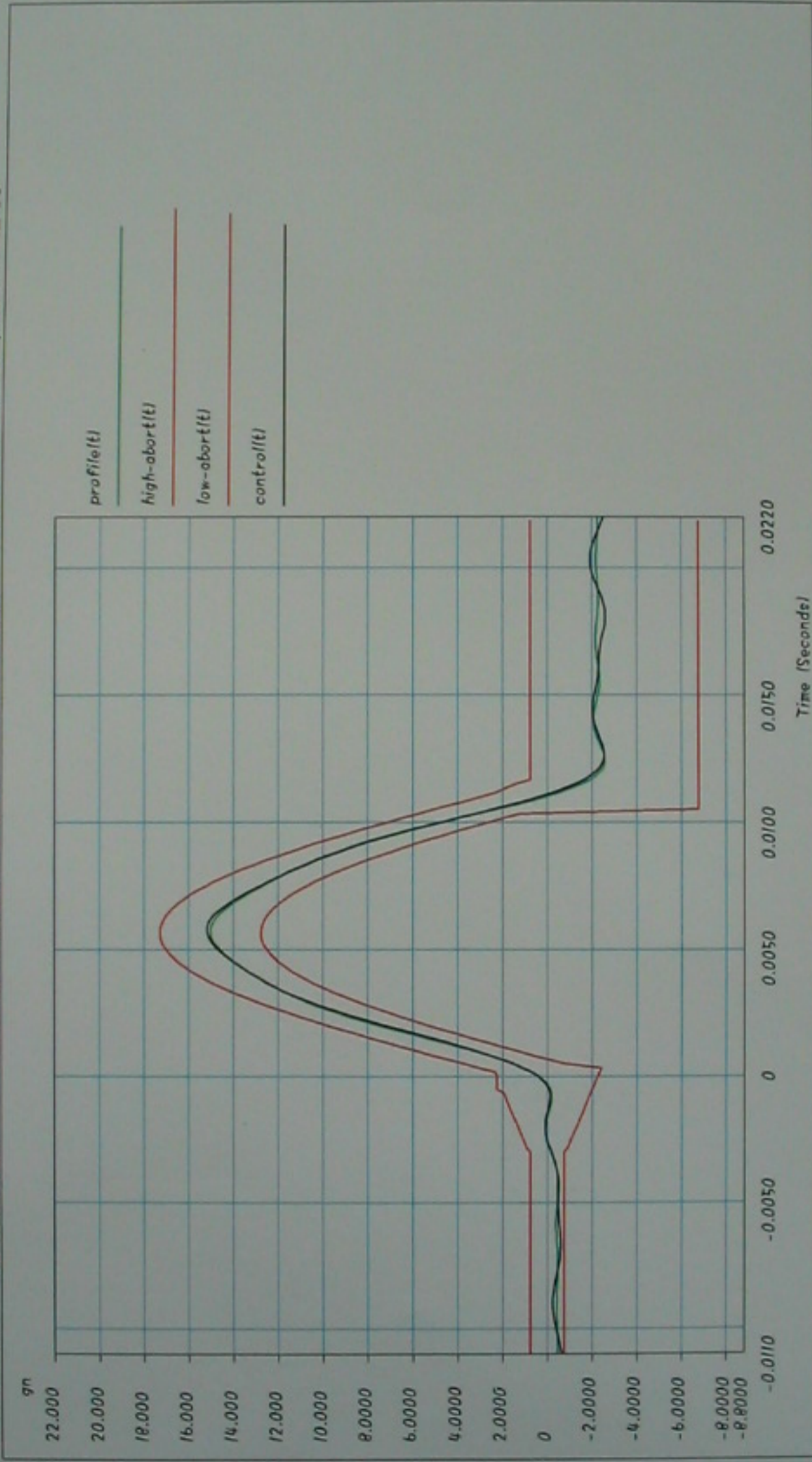
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Oct 21, 2003 14:42:53



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

Frame Time: 0.682667 Seconds Control Peak: 15.150602 gn Control RMS: 1.493919 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 02:43:14 PM, Tuesday, October 21, 2003 Report created at 02:43:14 PM, Tuesday, October 21, 2003

Axis -y 780

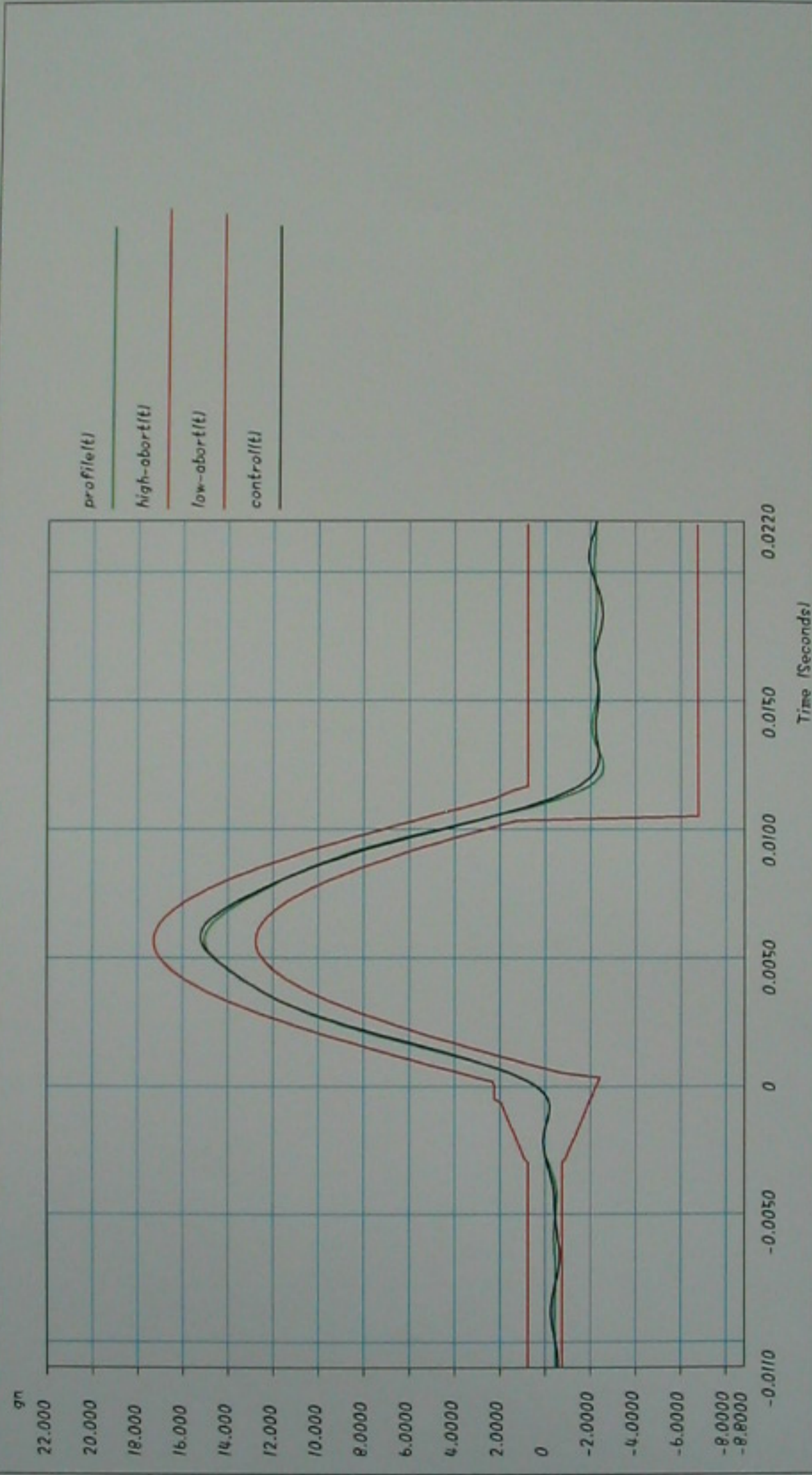
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.\RunDefault Oct 21, 2003 14-50-43



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

Frame Time: 0.682667 Seconds Control Peak: 15.179545 gn Control RMS: 1.492731 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 02:51:04 PM, Tuesday, October 21, 2003

Report created at 02:51:04 PM, Tuesday, October 21, 2003

Axis z 780

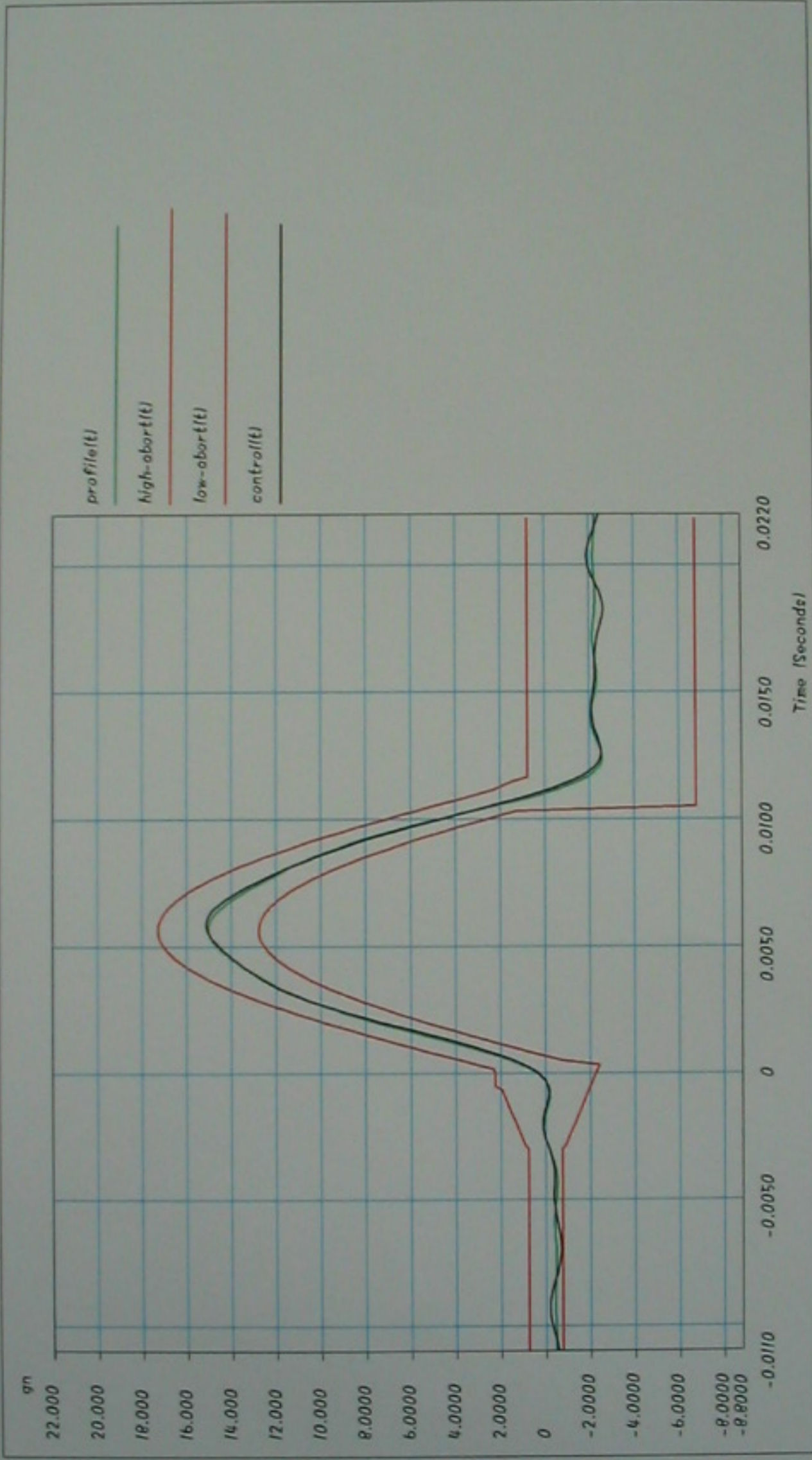
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Oct 21, 2003 14:57:43



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

Frame Time: 0.682667 Seconds Control Peak: 15.093679 gn Control RMS: 1.493469 gn Full Level Elapsed Pulses: 3

dt: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 02:58:04 PM, Tuesday, October 21, 2003 Report created at 02:58:04 PM, Tuesday, October 21, 2003



Axis -z 781

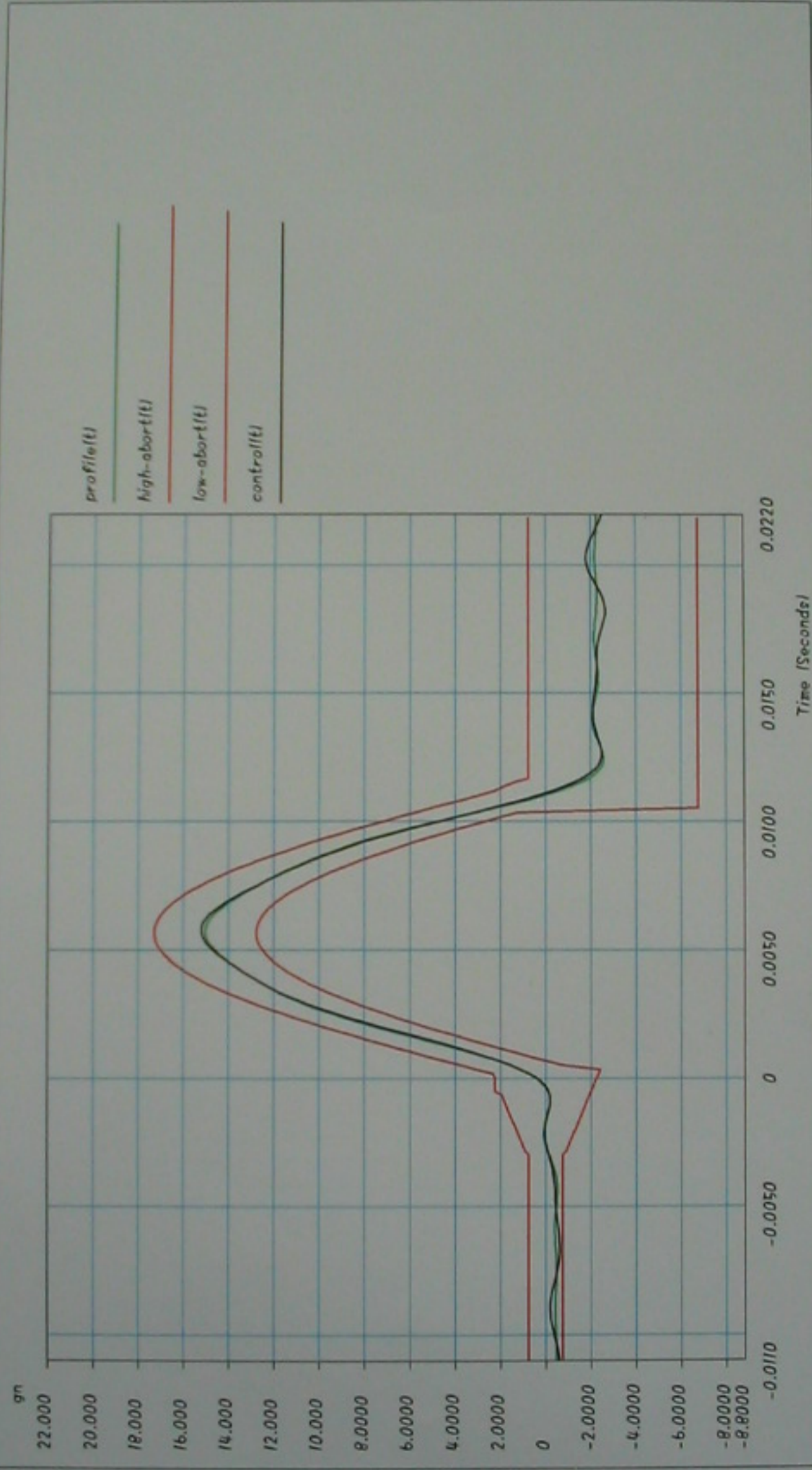
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Oct 21, 2003 15-10-40



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

Frame Time: 0.682667 Seconds Control Peak: 15.176821 gn Control RMS: 1.492344 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:11:03 PM, Tuesday, October 21, 2003 Report created at 03:11:03 PM, Tuesday, October 21, 2003

## TESTING / INSPECTION REPORT

Testing photos  
AMB-551-D-860  
AXIS  $\pm$  X



AXIS  $\pm$  Y



AXIS  $\pm$  Z



Axis x 860

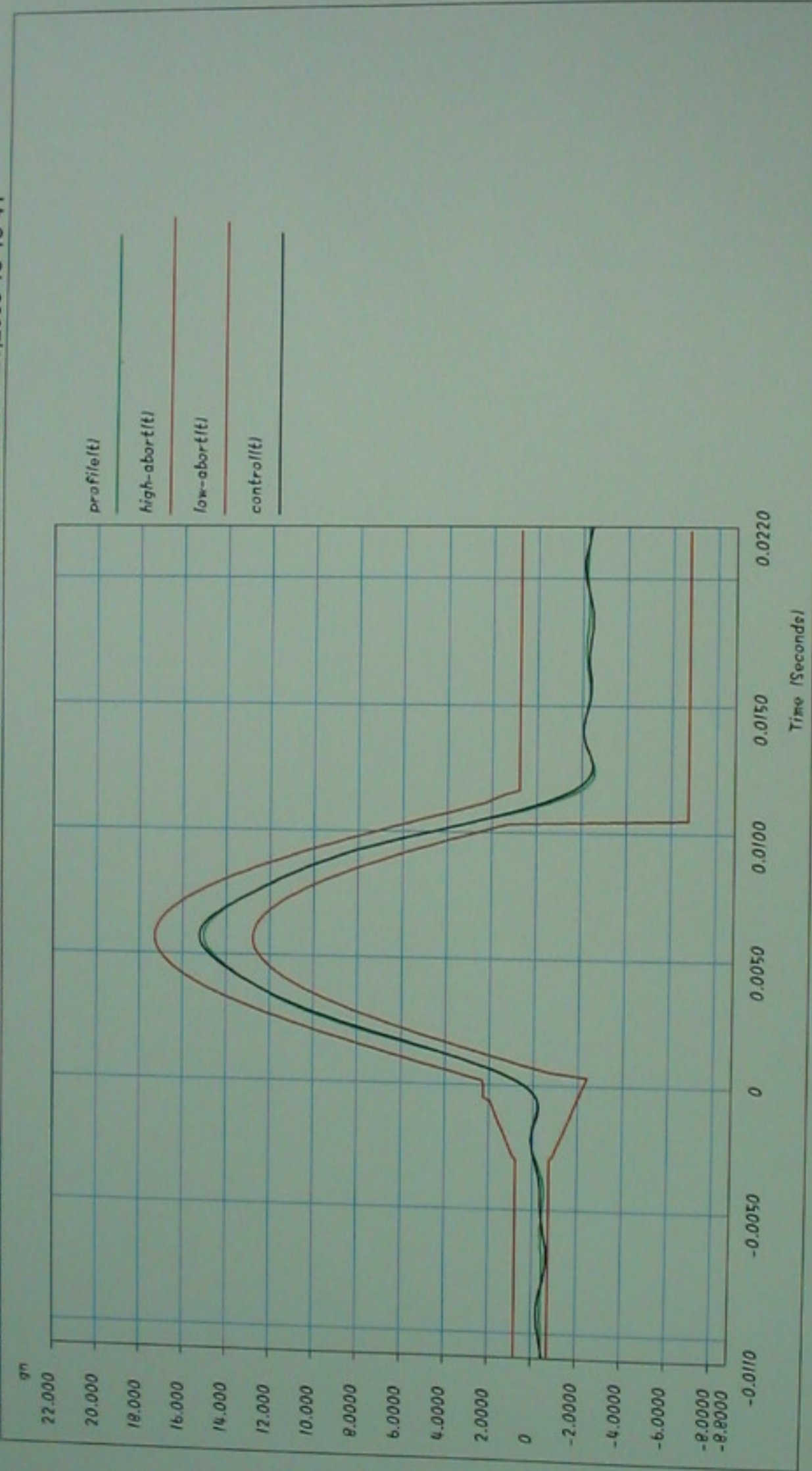
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Oct 21, 2003 15-15-41



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

Frame Time: 0.682667 Seconds Control Peak: 15.202590 gn Control RMS: 1.493109 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:16:02 PM, Tuesday, October 21, 2003 Report created at 03:16:02 PM, Tuesday, October 21, 2003

Axis -x 860

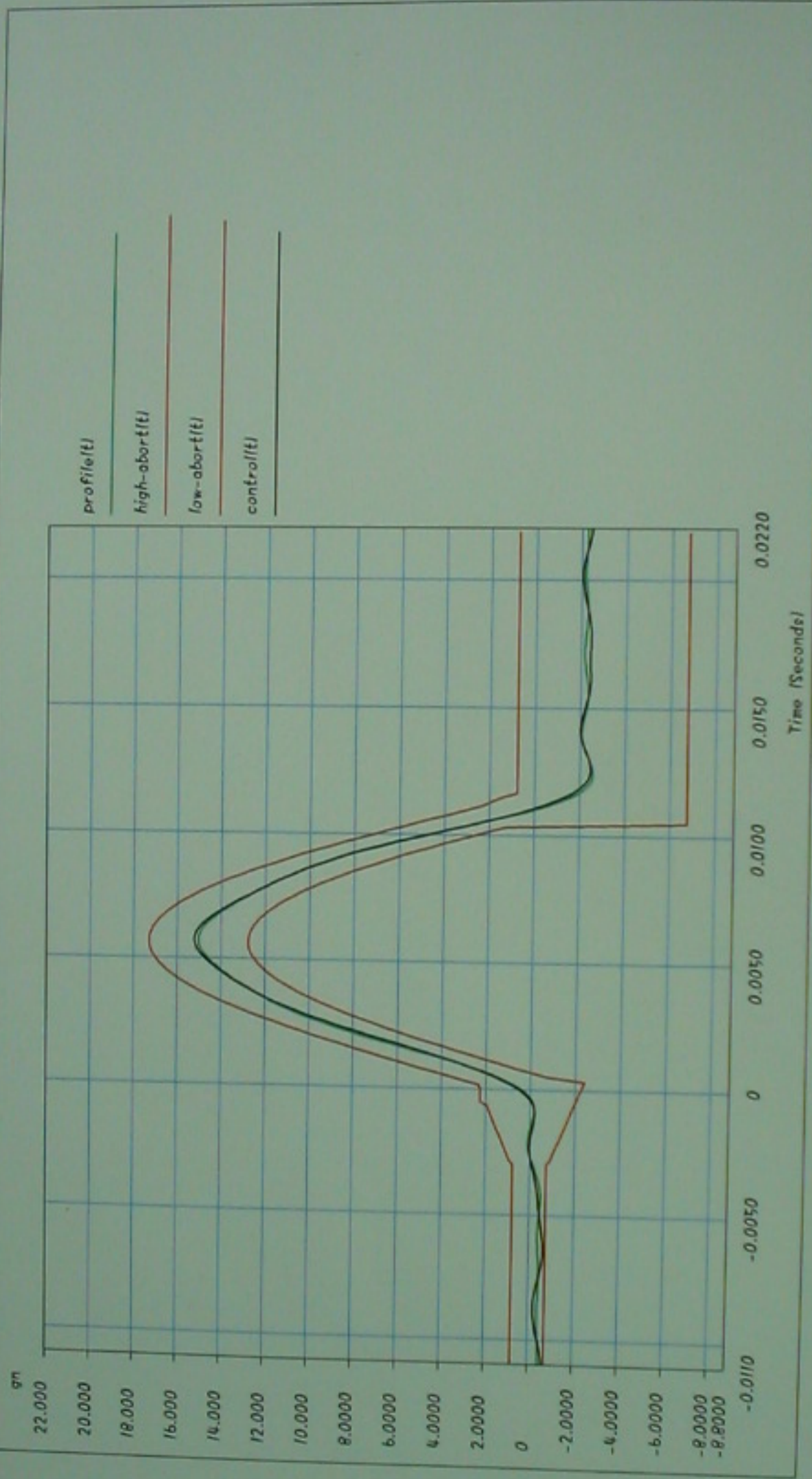
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Oct 21, 2003 15-20-34



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

Frame Time: 0.682667 Seconds Control Peak: 15.188539 gn Control RMS: 1.494111 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:20:56 PM, Tuesday, October 21, 2003 Report created at 03:20:57 PM, Tuesday, October 21, 2003

Axis y 860

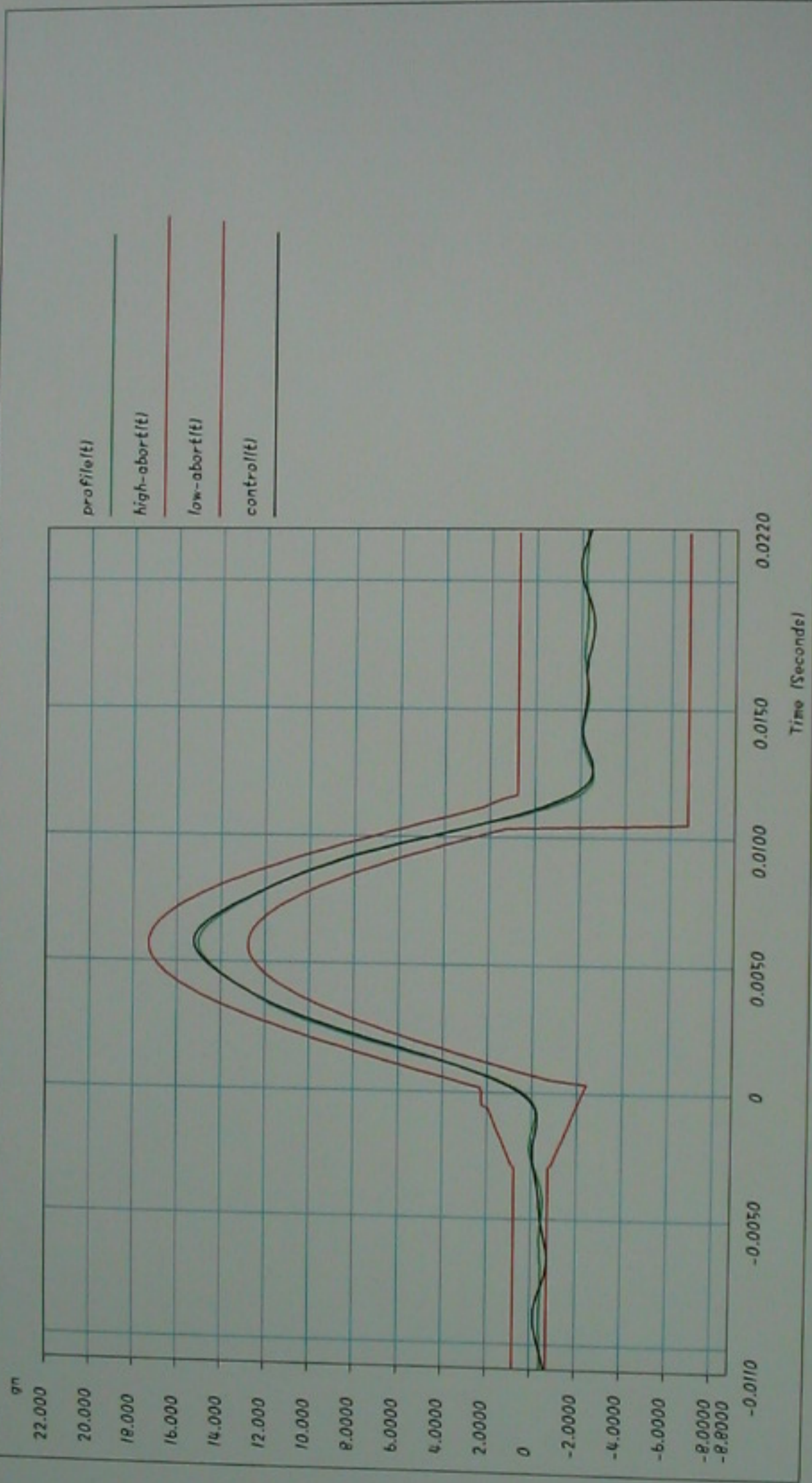
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault

Oct 21, 2003 15:27:07



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

Frame Time: 0.682667 Seconds Control Peak: 15.189330 gn Control RMS: 1.493094 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:27:28 PM, Tuesday, October 21, 2003 Report created at 03:27:28 PM, Tuesday, October 21, 2003

Axis -y 860

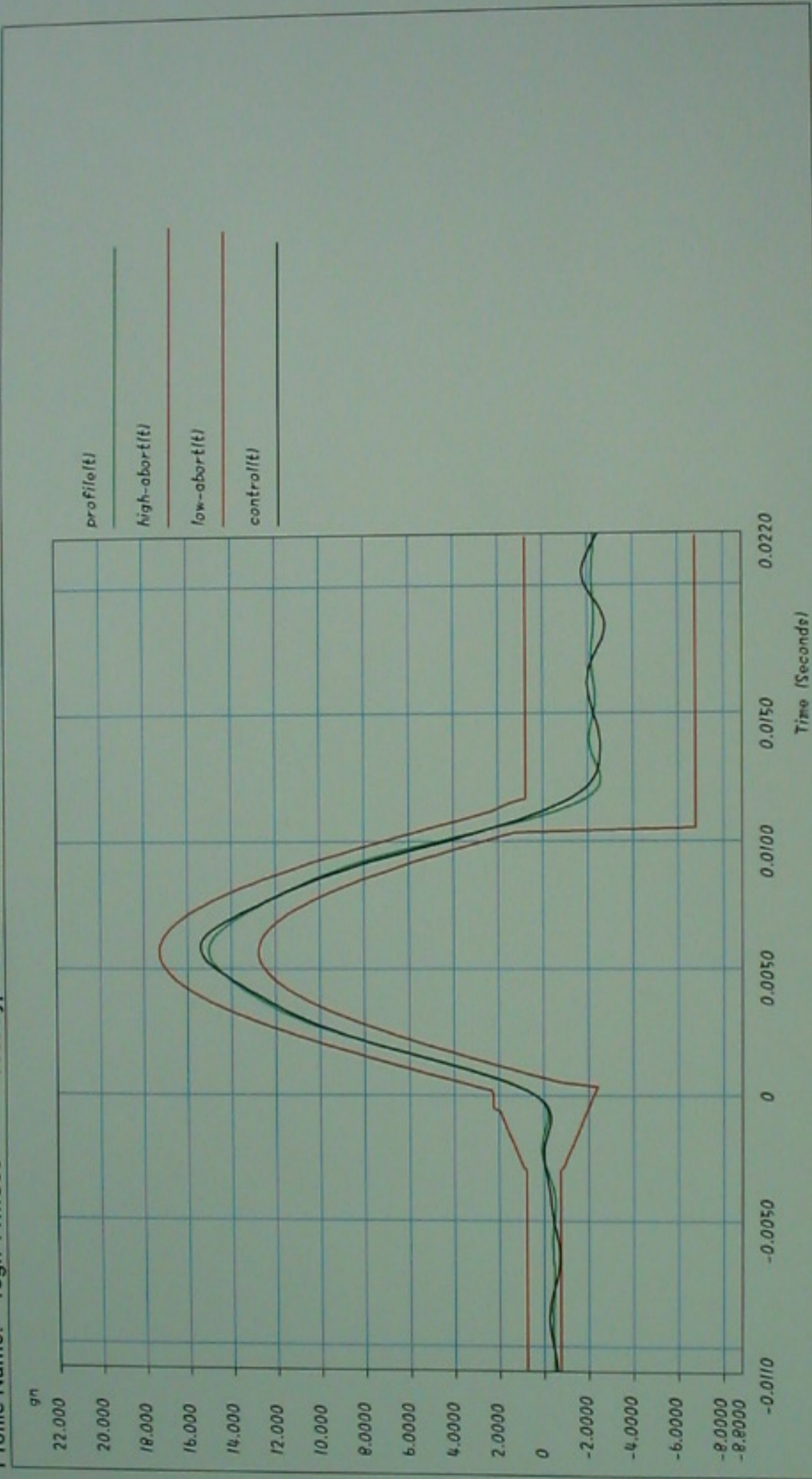
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Oct 21, 2003 15-31-01



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

Frame Time: 0.682667 Seconds Control Peak: 15.385875 gn Control RMS: 1.493370 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:31:22 PM, Tuesday, October 21, 2003 Report created at 03:31:23 PM, Tuesday, October 21, 2003

Axis Z 860

Project File Name: Untitled

Run Folder: .\RunDefault Oct 21, 2003 15-39-05

Test Type: Classical Shock

Profile Name: 15gn 11mSec



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

Frame Time: 0.682667 Seconds Control Peak: 15.411728 gn Control RMS: 1.494335 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:39:26 PM, Tuesday, October 21, 2003 Report created at 03:39:27 PM, Tuesday, October 21, 2003

Axis -z 860

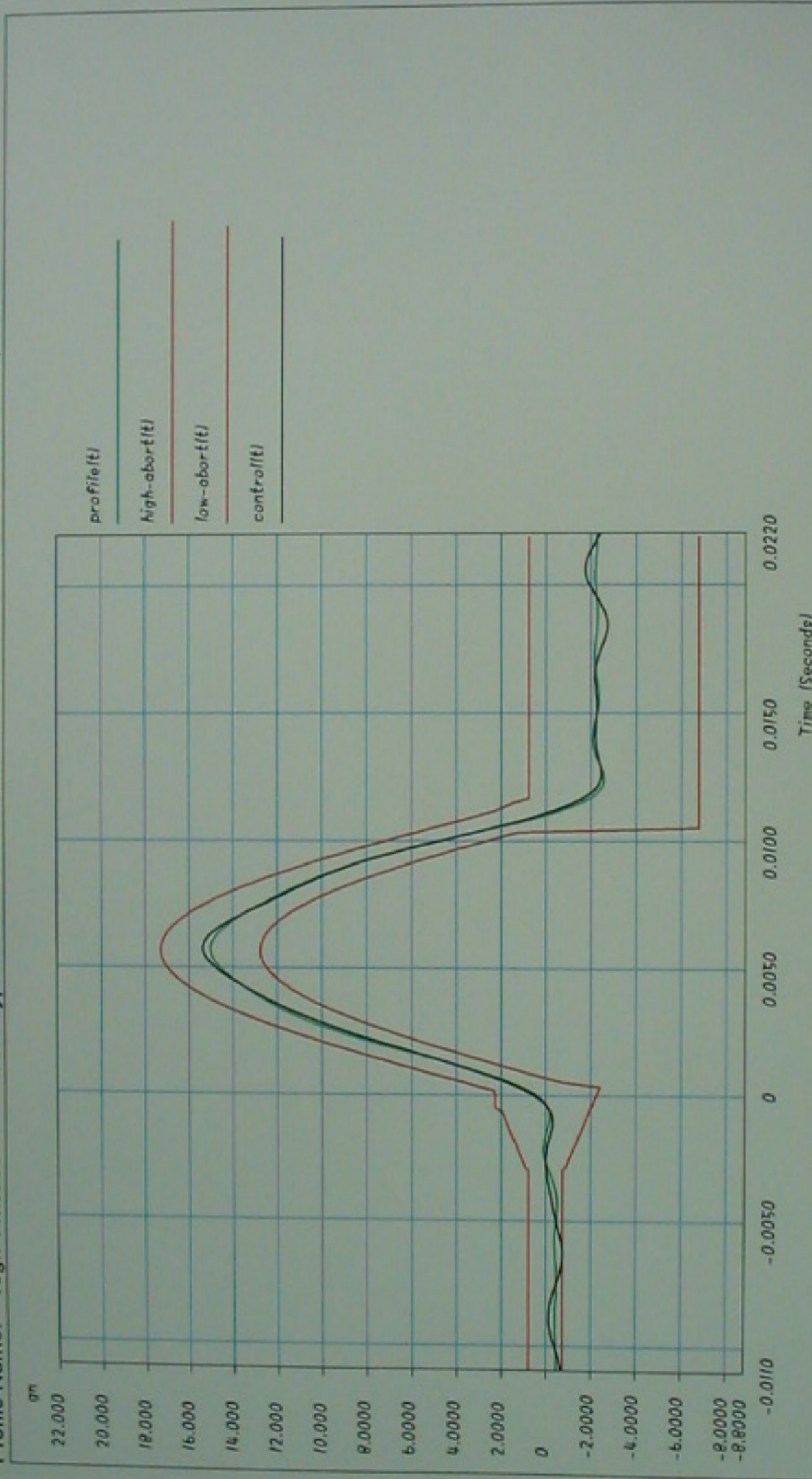
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .RunDefault

Oct 21, 2003 15:43:55



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

Frame Time: 0.682667 Seconds Control Peak: 15.341322 gn Control RMS: 1.493342 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.480628 gn Remaining Pulses: 0

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

Data saved at 03:44:17 PM, Tuesday, October 21, 2003 Report created at 03:44:18 PM, Tuesday, October 21, 2003