

**KING DESIGN INDUSTRIAL CO., LTD.**

**VIBRATION TEST LABORATORY**

4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,  
Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C  
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

http://www.kdi.tw  
http://www.vibration.com.tw  
E-mail:service@kdi.tw

**TESTING / INSPECTION REPORT**

REPORT NO : ST-130807-2

COMPANY : AAEON Technology Inc.  
ADDRESS : 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 : FWS-2160 (with 2.5 HDD\*1)  
DATE OF RECEIVED : 2013/08/06  
DATE OF TESTED : 2013/08/06

TEST / INSPECTION ITEMS : Shock Test

REMARKS :

- The laboratory is accredited by ISO/IEC 17025 General Requirements for the Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 20 pages, and no part of it may be abstracted or reproduced.

Test Engineer : <i>Ze Ren</i>	
Approval Signatory <i>2013.8.12 David Lee</i>	Laboratory Head : <i>Chang</i> <i>Hsin Tzu</i>



## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- 1.Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,  
S/N : KDS11054986
- 2.Controller : DACTRON Front-End Box, S/N : 4529465
- 3.Control Accelerometer : Wilcoxon Research WR-777, S/N : 4207

### TEST ENVIRONMENT :

- Temperature : 26°C (25±10°C)
- Relative Humidity : 65 %RH (50±25% RH)

### SPECIMEN :

- Model : FWS-2160 (with 2.5 HDD\*1)
- Quantity : 1 unit

### (1)TEST SPECIFICATION :

#### *As per applicant's requirement*

- Wave Form : Half Sine wave (Operating)
- Acceleration : 10 g
- Duration Time : 11 mS
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

### (2)TEST SPECIFICATION :

#### *As per applicant's requirement*

- Wave Form : Half Sine wave (Non\_operating)
- Acceleration : 20 g
- Duration Time : 11 mS
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

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TEL: 886-2-2662-5100 FAX: 886-2-2662-3094**VIBRATION TEST LABORATORY**<http://www.kdi.tw>  
<http://www.vibration.com.tw>  
E-mail:service@kdi.tw**TESTING / INSPECTION REPORT**TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment <sup>(1)</sup>	√	---	---
Appearance check <sup>(2)</sup>	√	---	---
(1)—Booting function was normal after the test.			
(2)—No visible damages were found.			

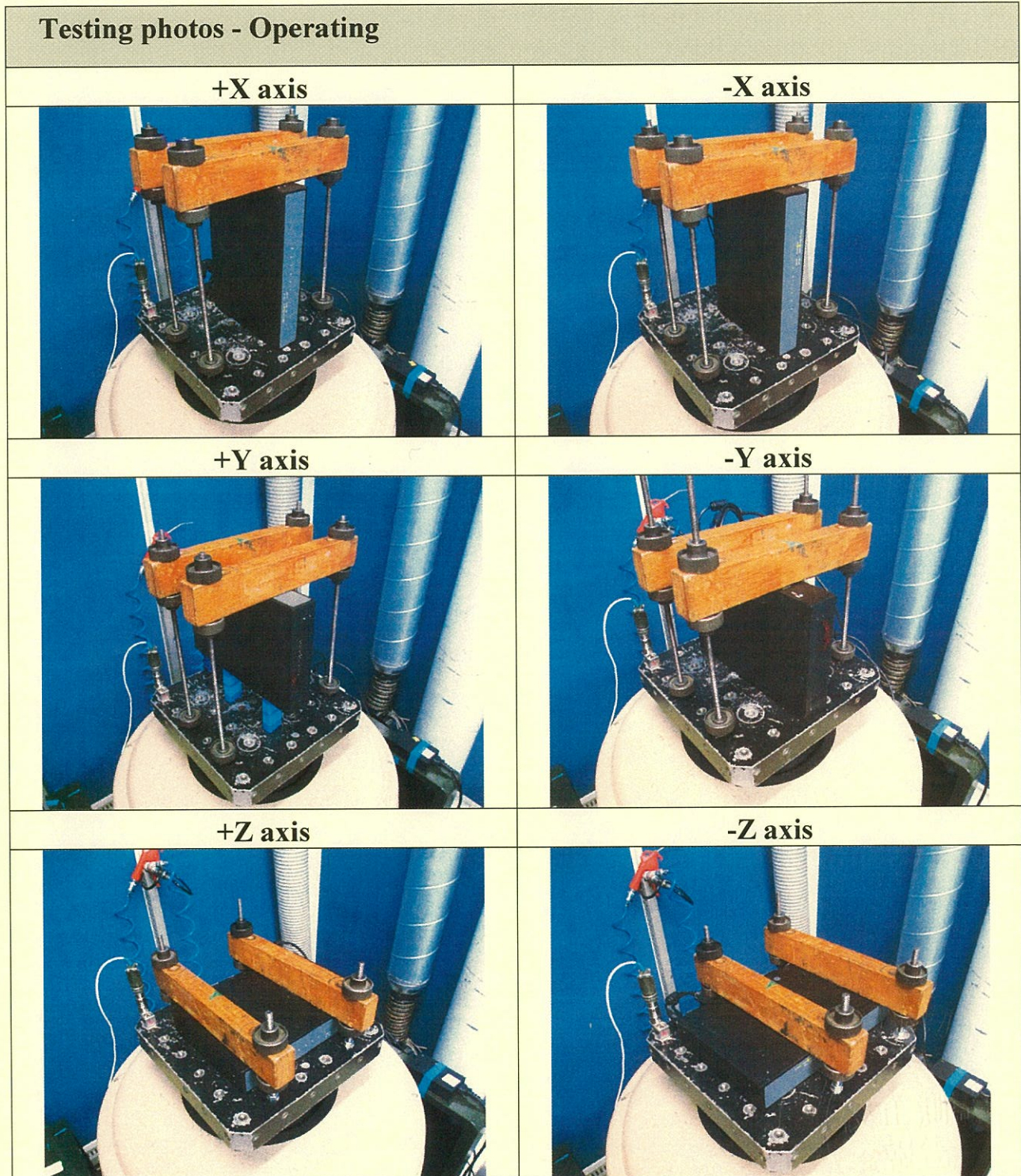
## TESTING / INSPECTION REPORT

### Testing photos - Operating

#### Tester



## TESTING / INSPECTION REPORT



## TESTING / INSPECTION REPORT

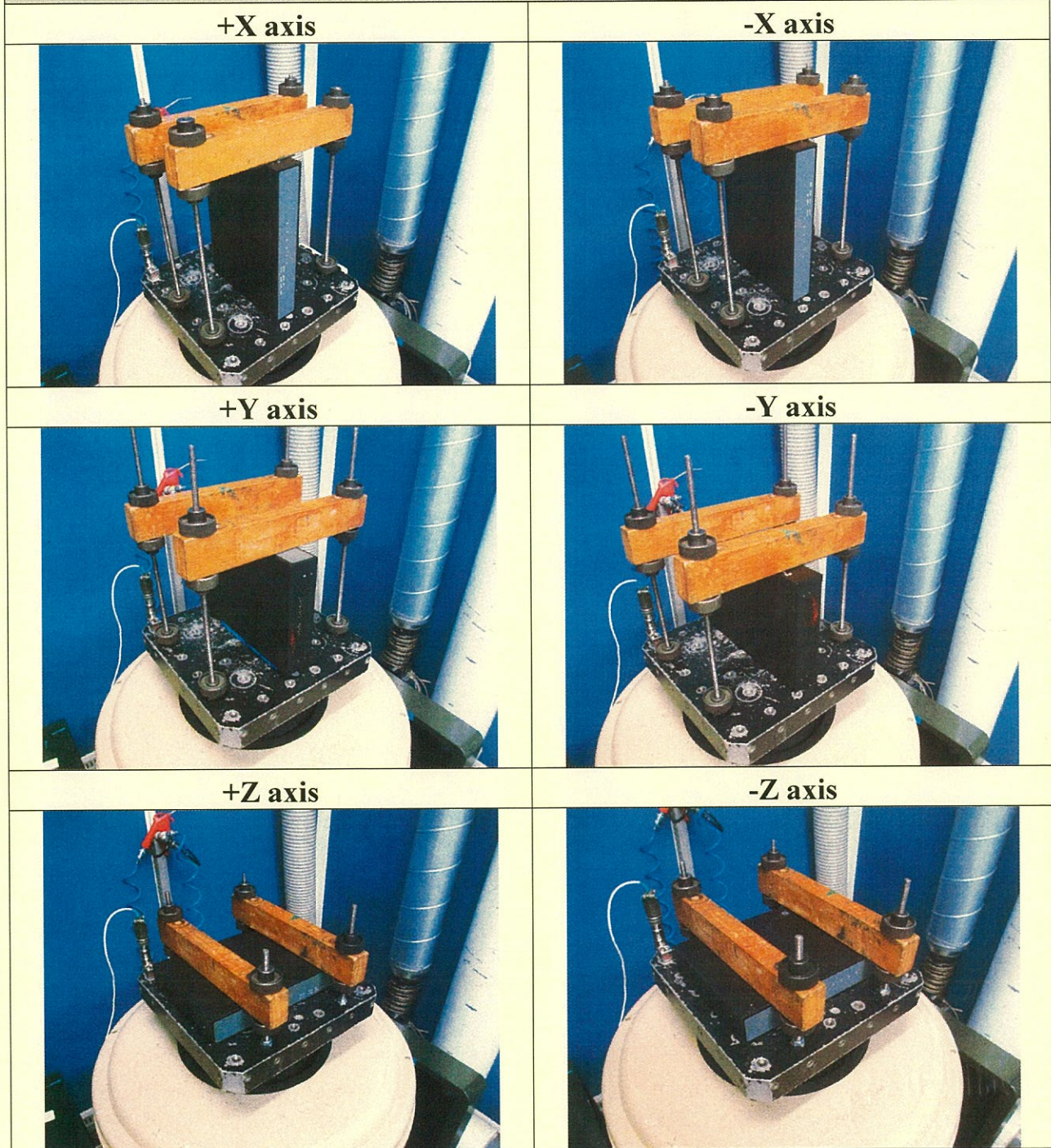
### Testing photos – Non\_operating

#### Tester

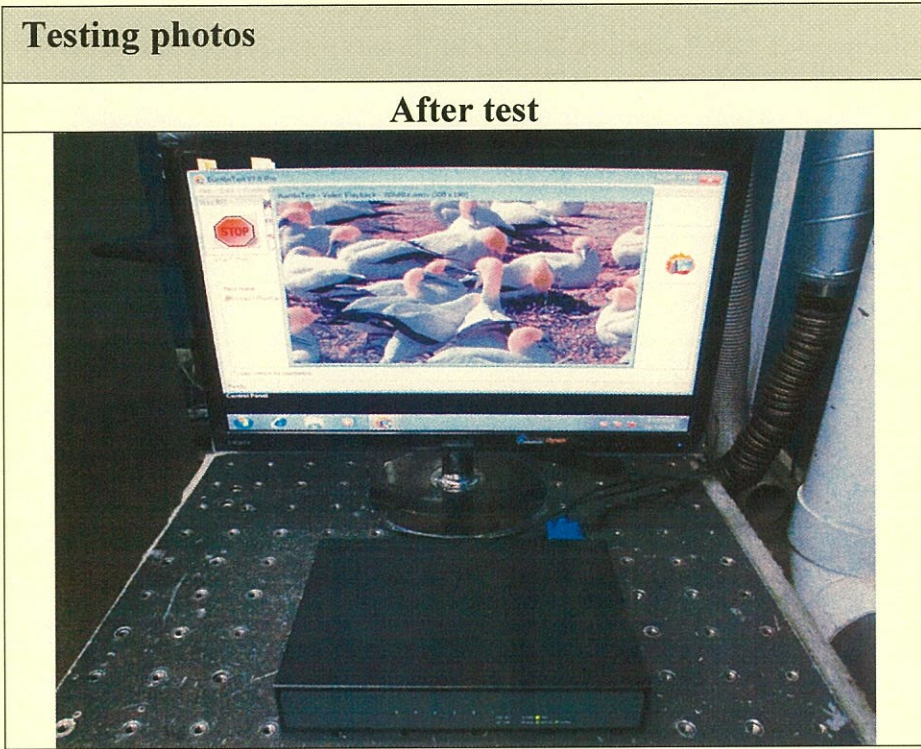


**TESTING / INSPECTION REPORT**

**Testing photos – Non\_operating**



## TESTING / INSPECTION REPORT

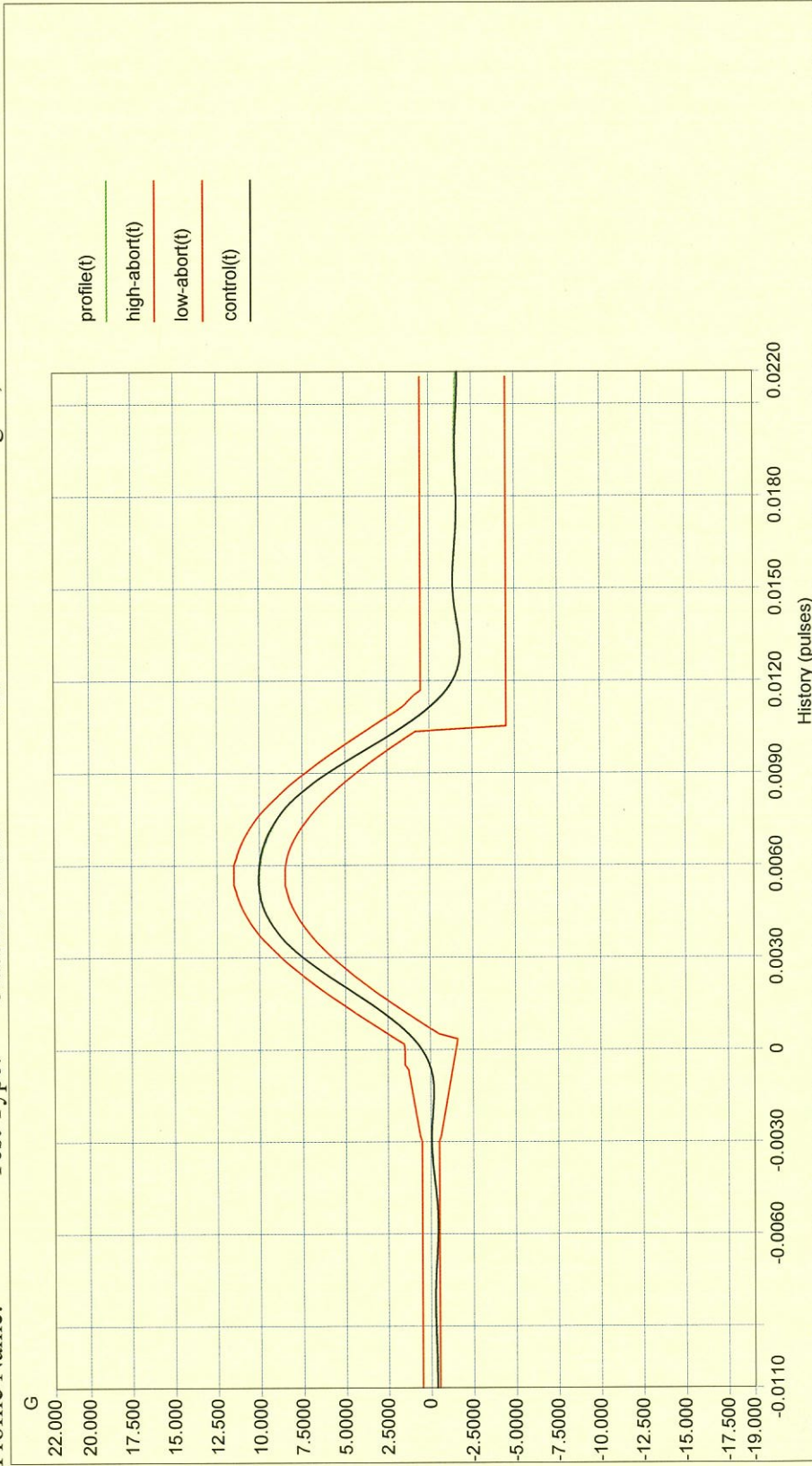




+X axis

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \Run Aug 06,2013 12-04-15

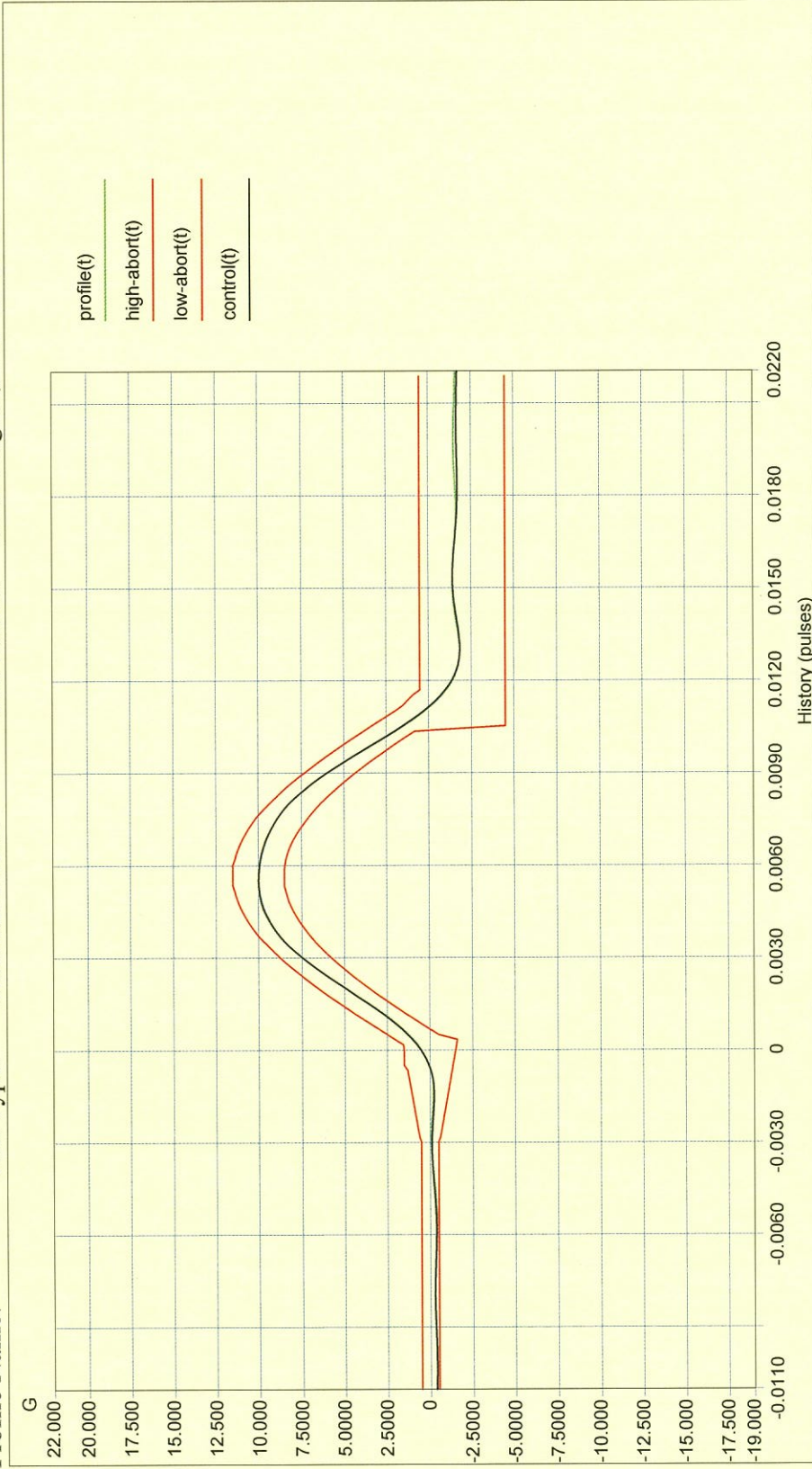


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
 Frame Time: 0.682667 Seconds Control Peak: 10.042410 G Control RMS: 1.021848 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

-X axis

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \Run Aug 06,2013 10-45-24

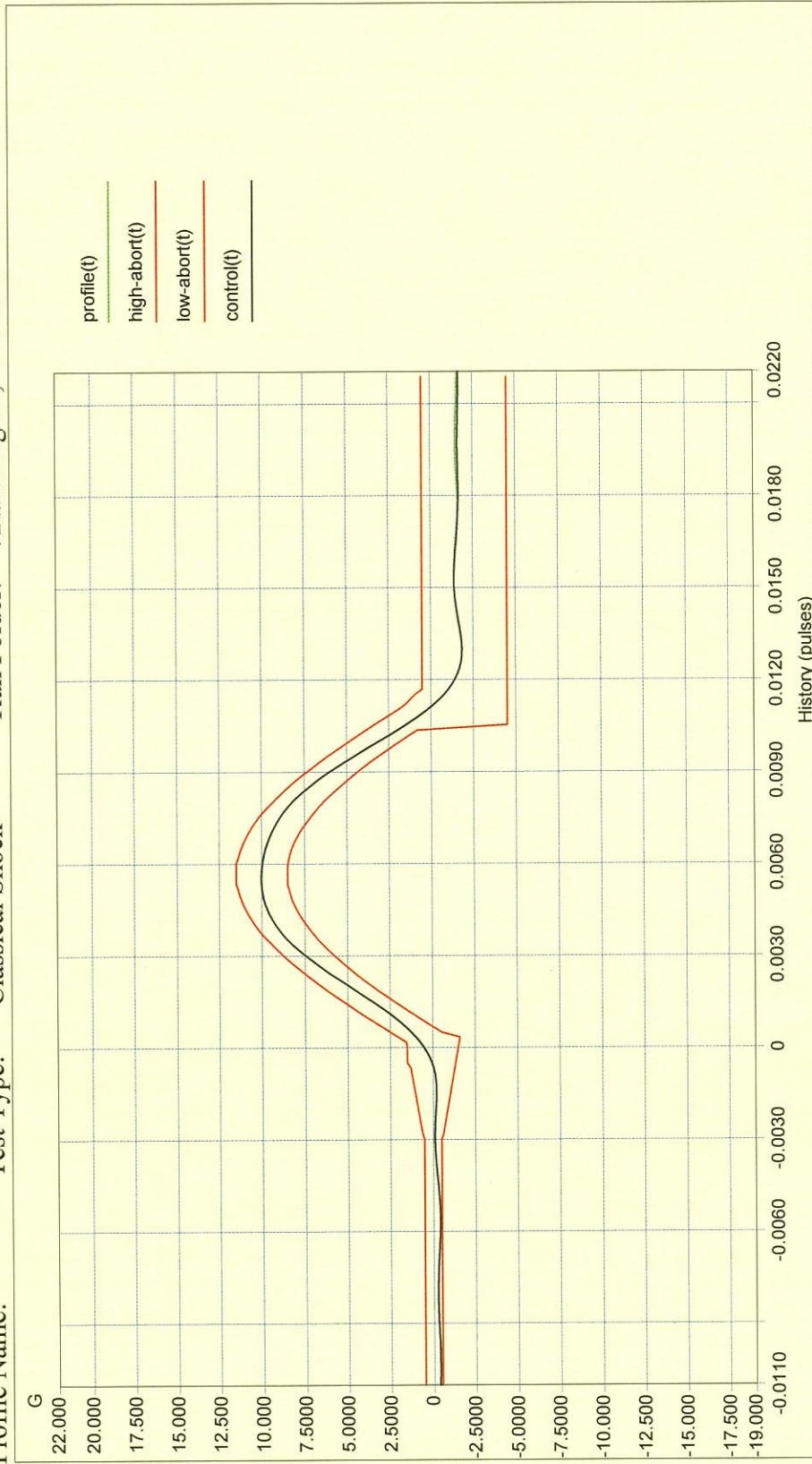


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
 Frame Time: 0.682667 Seconds Control Peak: 9.983779 G Control RMS: 1.021846 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

+Y axis

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \Run Aug 06,2013 10-39-35

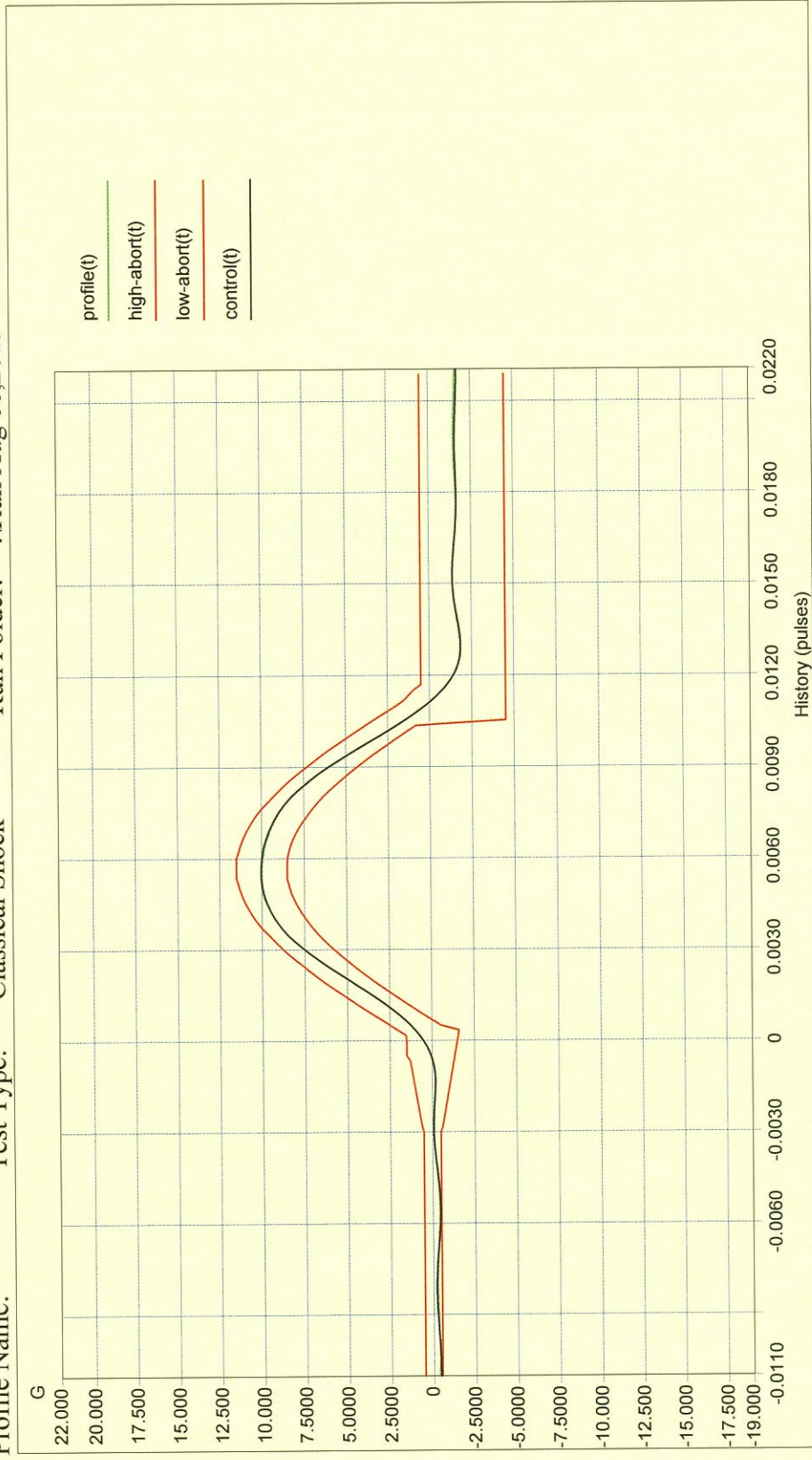


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 10.020985 G Control RMS: 1.021212 G  
 dt: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

-Y axis

Project File Name: 10g 1ImS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run Aug 06,2013 10-42-32

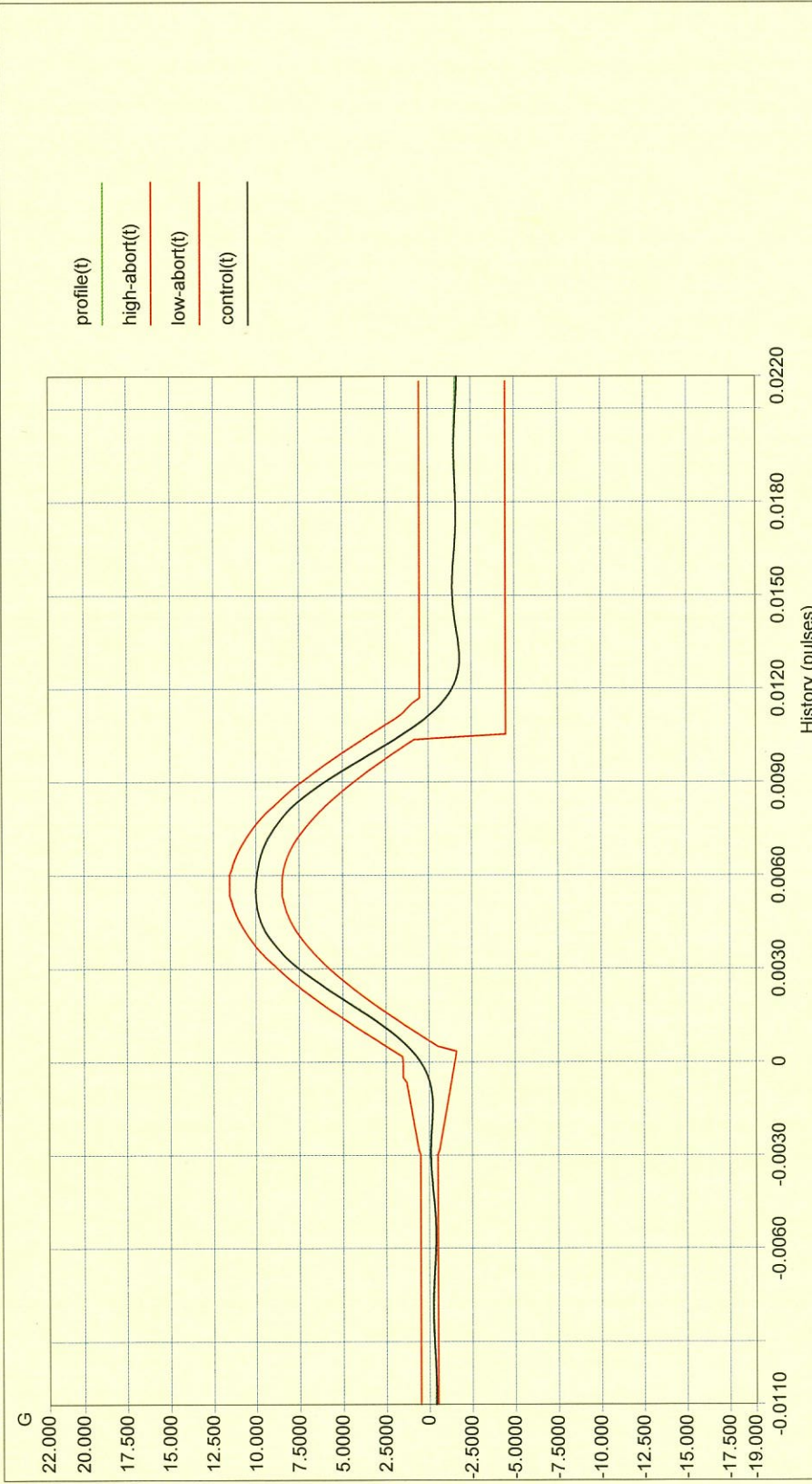


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 10.032064 G Control RMS: 1.024209 G  
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

+Z axis

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run Aug 06,2013 10-29-41

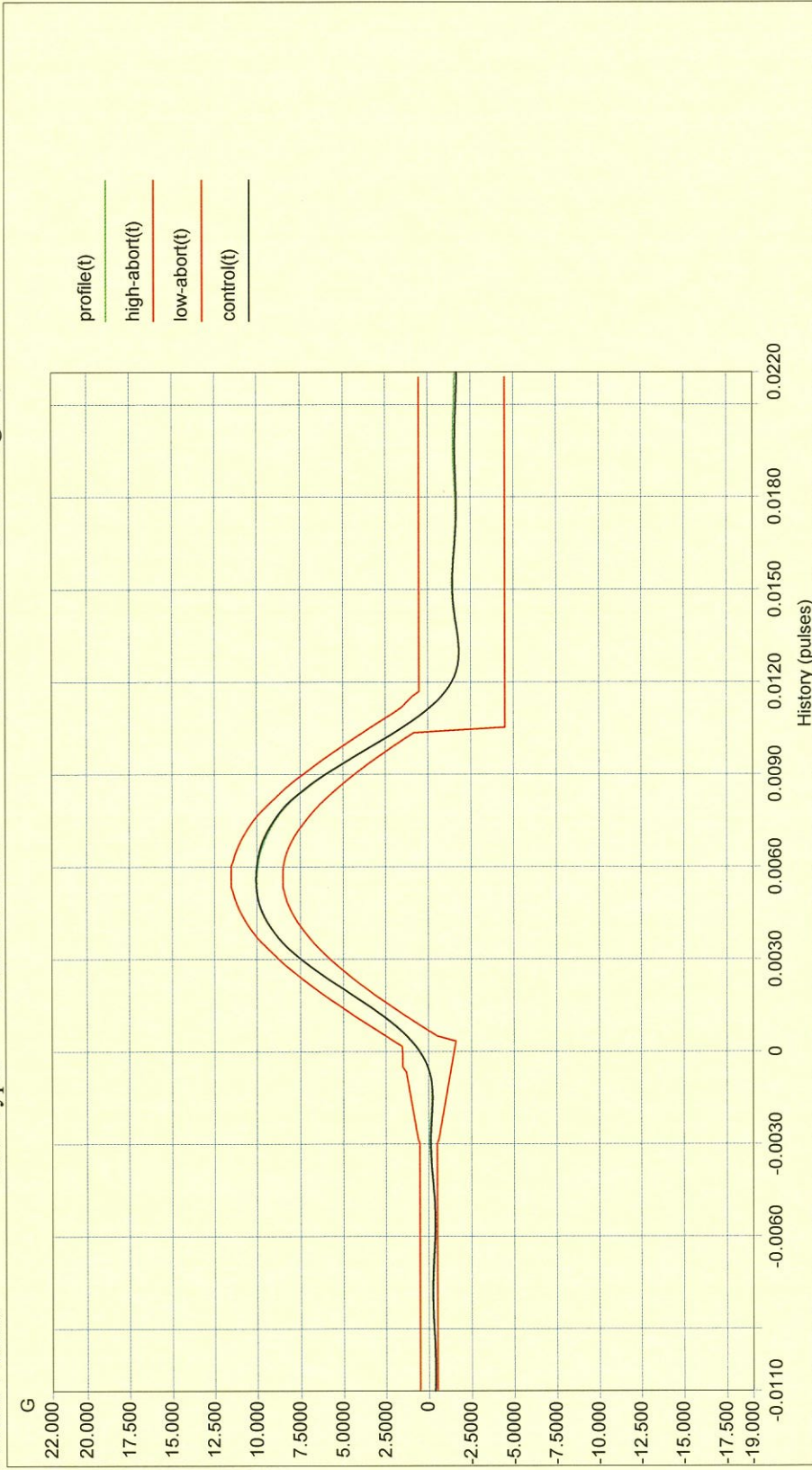


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
 Frame Time: 0.682667 Seconds Control Peak: 10.002378 G Control RMS: 1.022368 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

-Z axis

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \Run Aug 06,2013 10-34-33

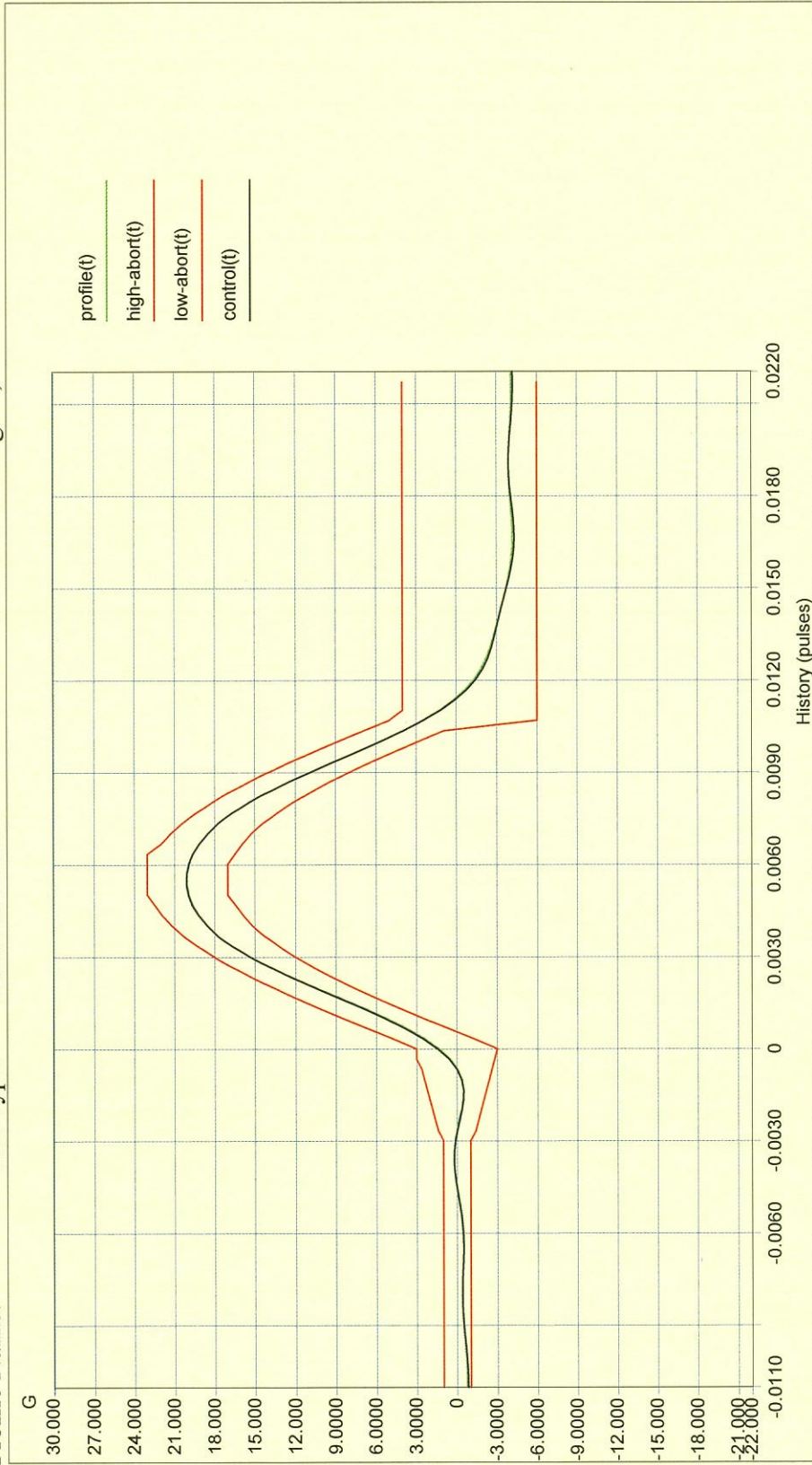


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 10.036260 G Control RMS: 1.023970 G  
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 1.012083 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

+X axis

Project File Name: 20g 11mS.prj

Profile Name: Classical Shock Run Folder: \Run Aug 06,2013 12-19-43

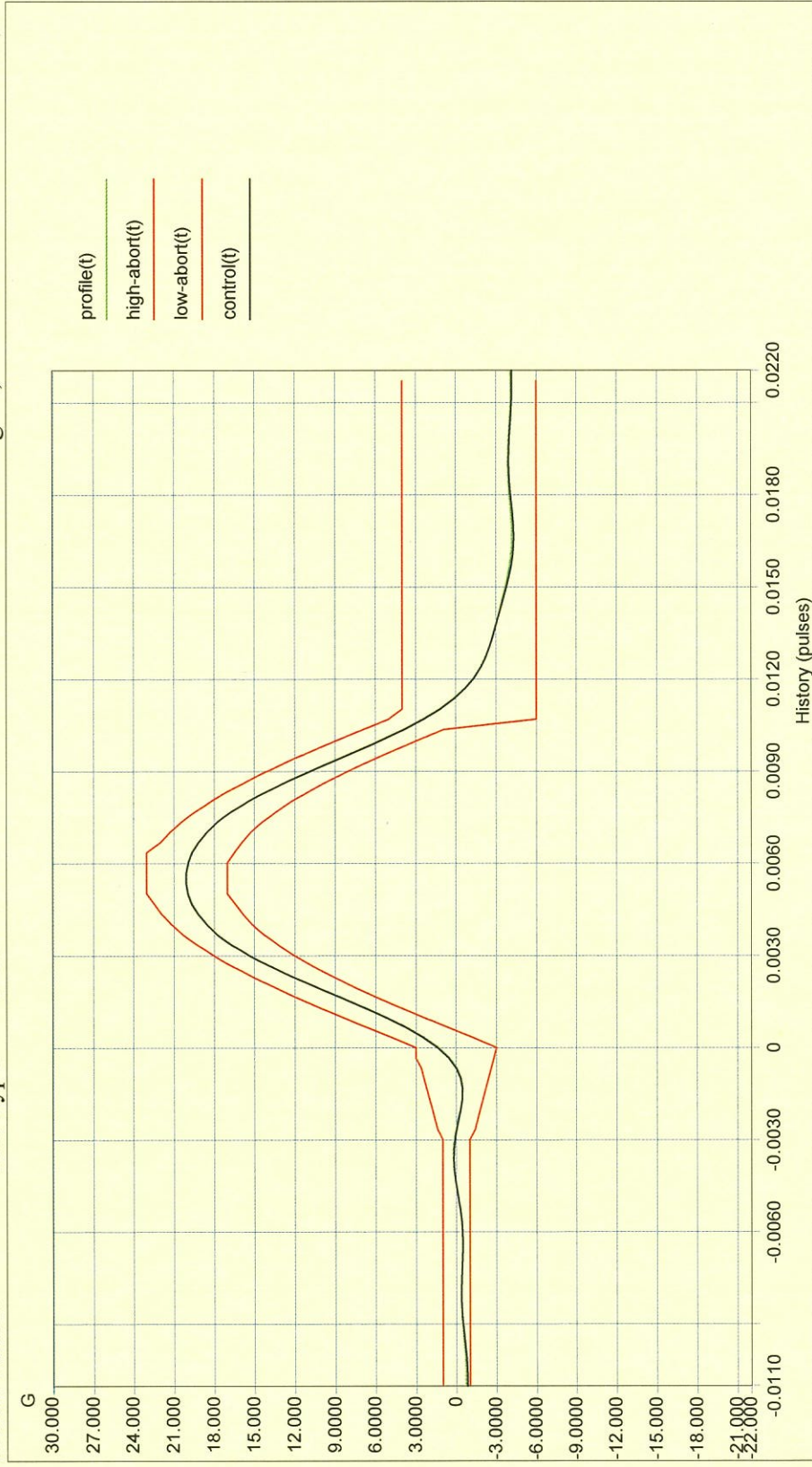


Level: 100 % Block Size: 2048 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 20.067707 G Control RMS: 2.063802 G  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

-X axis

Project File Name: 20g 11mS.prj

Profile Name: Classical Shock Run Folder: .\Run Aug 06,2013 12-17-37



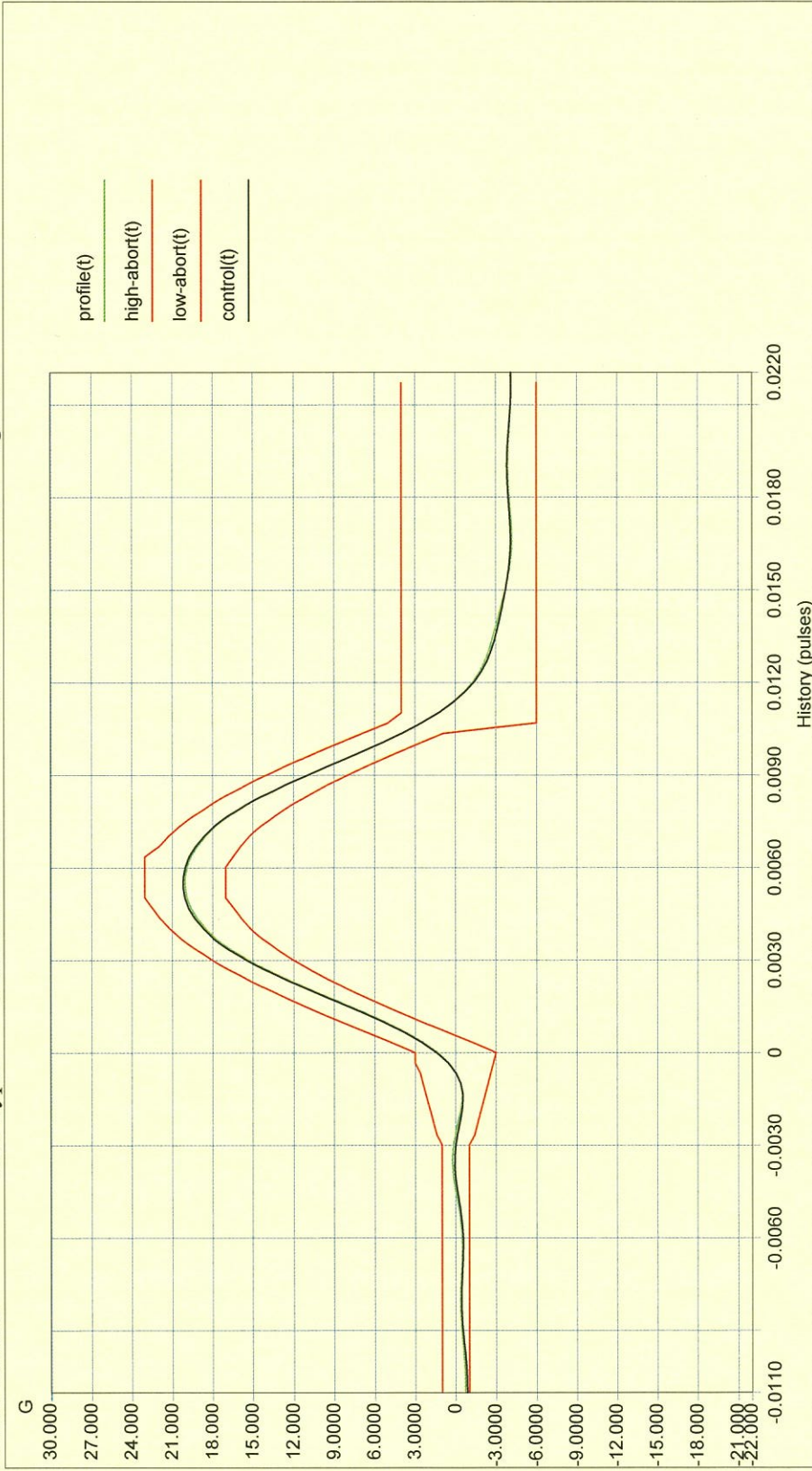
Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.049128 G Control RMS: 2.063256 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



+Y axis

Project File Name: 20g 11mS.prj

Profile Name: Classical Shock Run Folder: .\Run Aug 06,2013 12-12-05

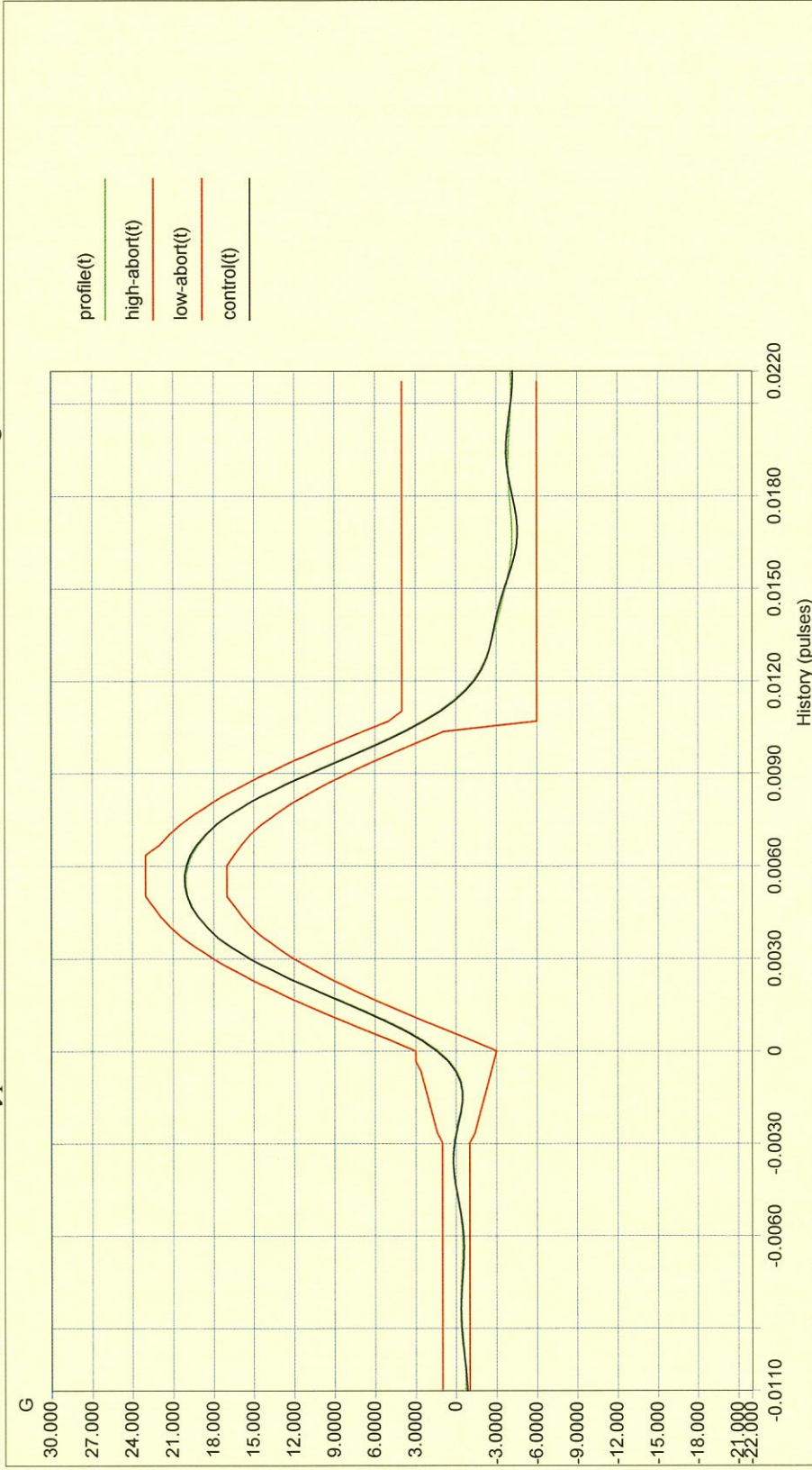


Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.154196 G Control RMS: 2.068897 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

-Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \Run Aug 06,2013 12-15-16

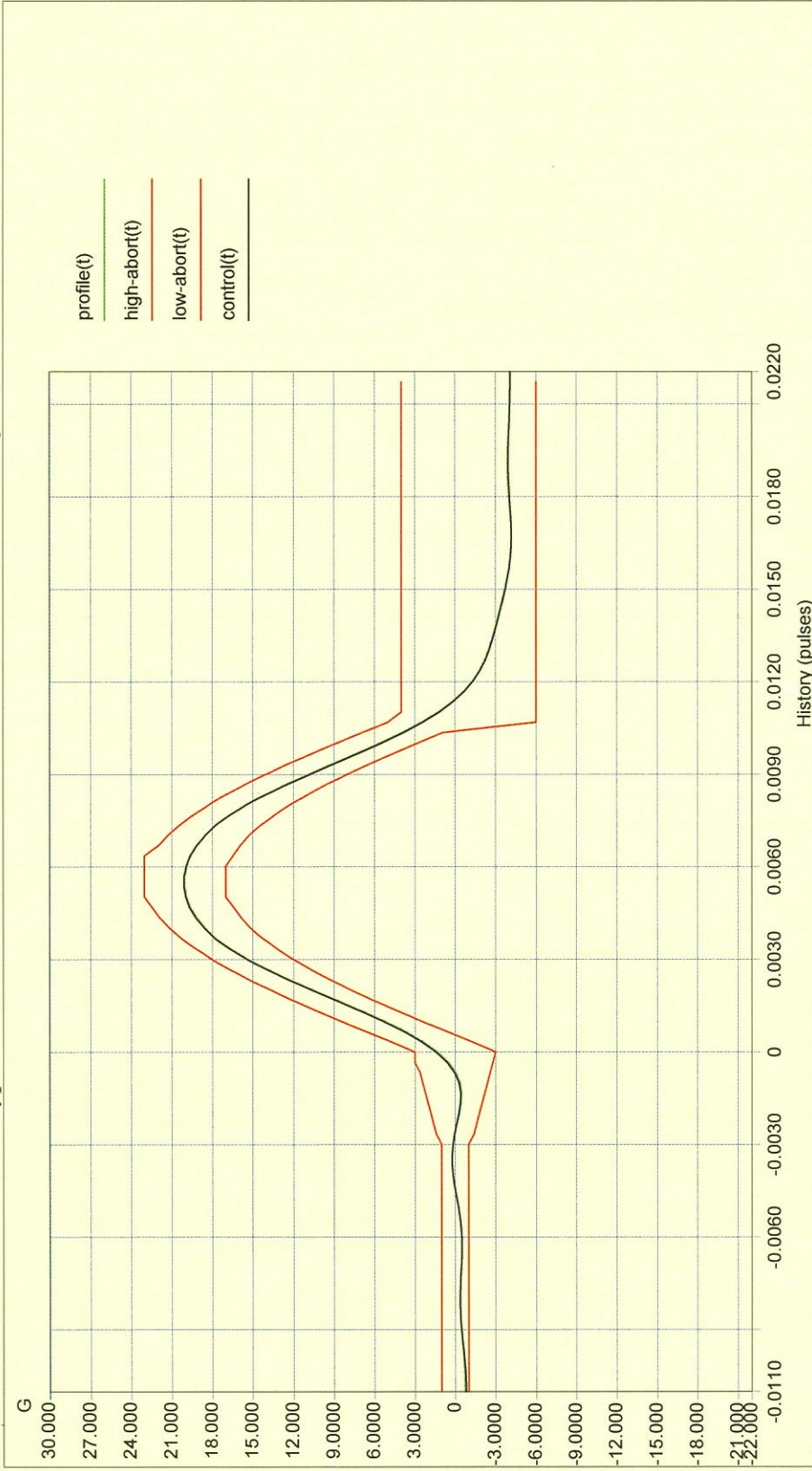


Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.114443 G Control RMS: 2.063389 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

+Z axis

Project File Name: 20g 11mS.prj

Profile Name: Classical Shock Run Folder: .\Run Aug 06,2013 12-22-56

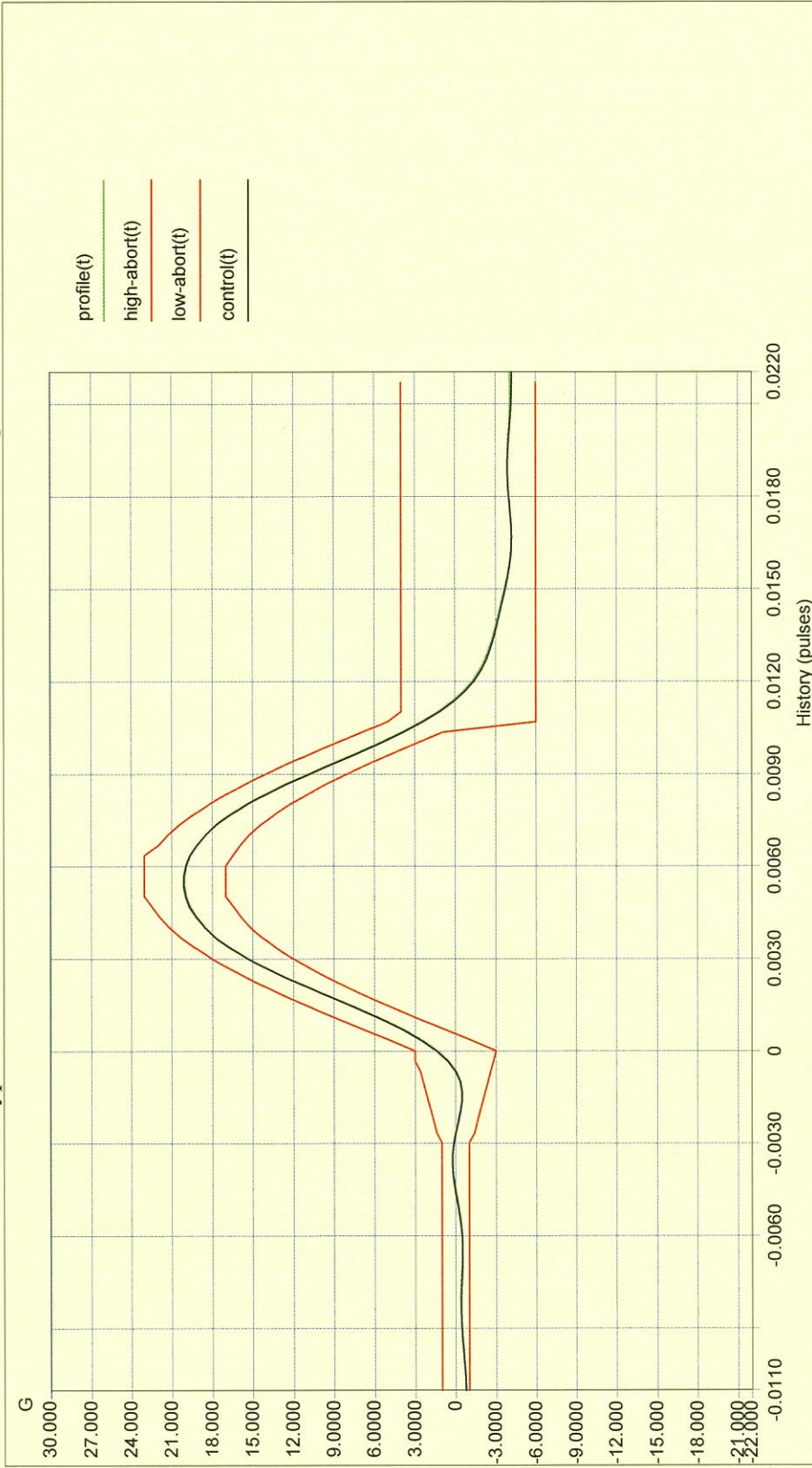


Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.074350 G Control RMS: 2.060851 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

-Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run Aug 06,2013 12-24-42



Level: 100 % Block Size: 2048 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 20.091169 G Control RMS: 2.061300 G  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms  
 -END-