

**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-130718-1

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 : AEC-6643 (with 2.5" SATA HDD)  
DATE OF RECEIVED : 2013/07/17  
DATE OF TESTED : 2013/07/17

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 11 pages, and no part of it may be abstracted or reproduced.

Test Engineer : <i>Ze Arey</i>	
Approval Signatory <i>2013.7.23 David Lee</i>	Laboratory Head : <i>Hsin Zai Chang</i>

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E-mail:service@kdi.tw**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 : AEC-6643 (with 2.5" SATA HDD)
- Quantity : 1 unit

TEST SPECIFICATION :*As per applicant's requirement*

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

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.



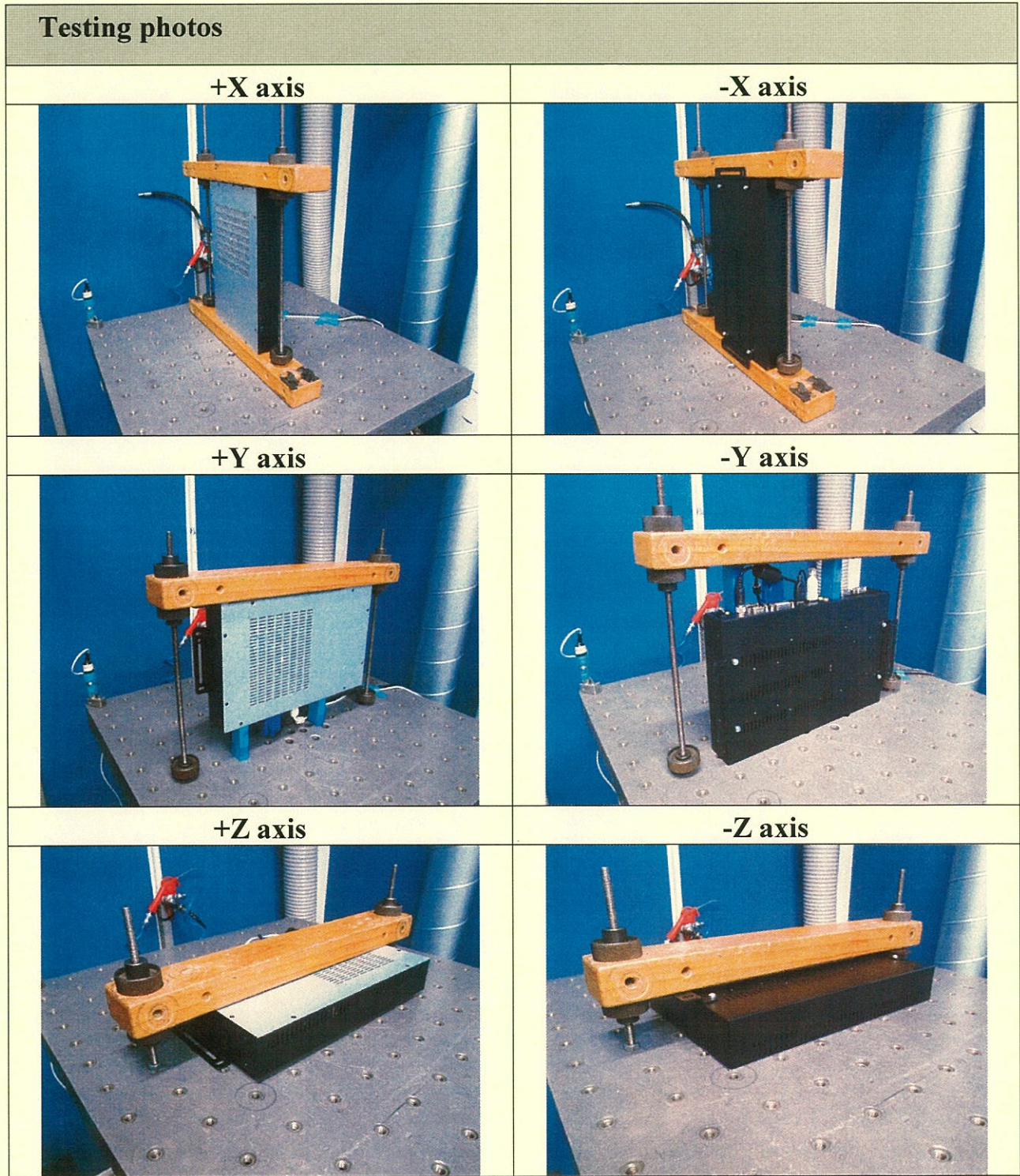
## TESTING / INSPECTION REPORT

### Testing photos

#### Tester





**TESTING / INSPECTION REPORT**




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### Testing photos

#### After test

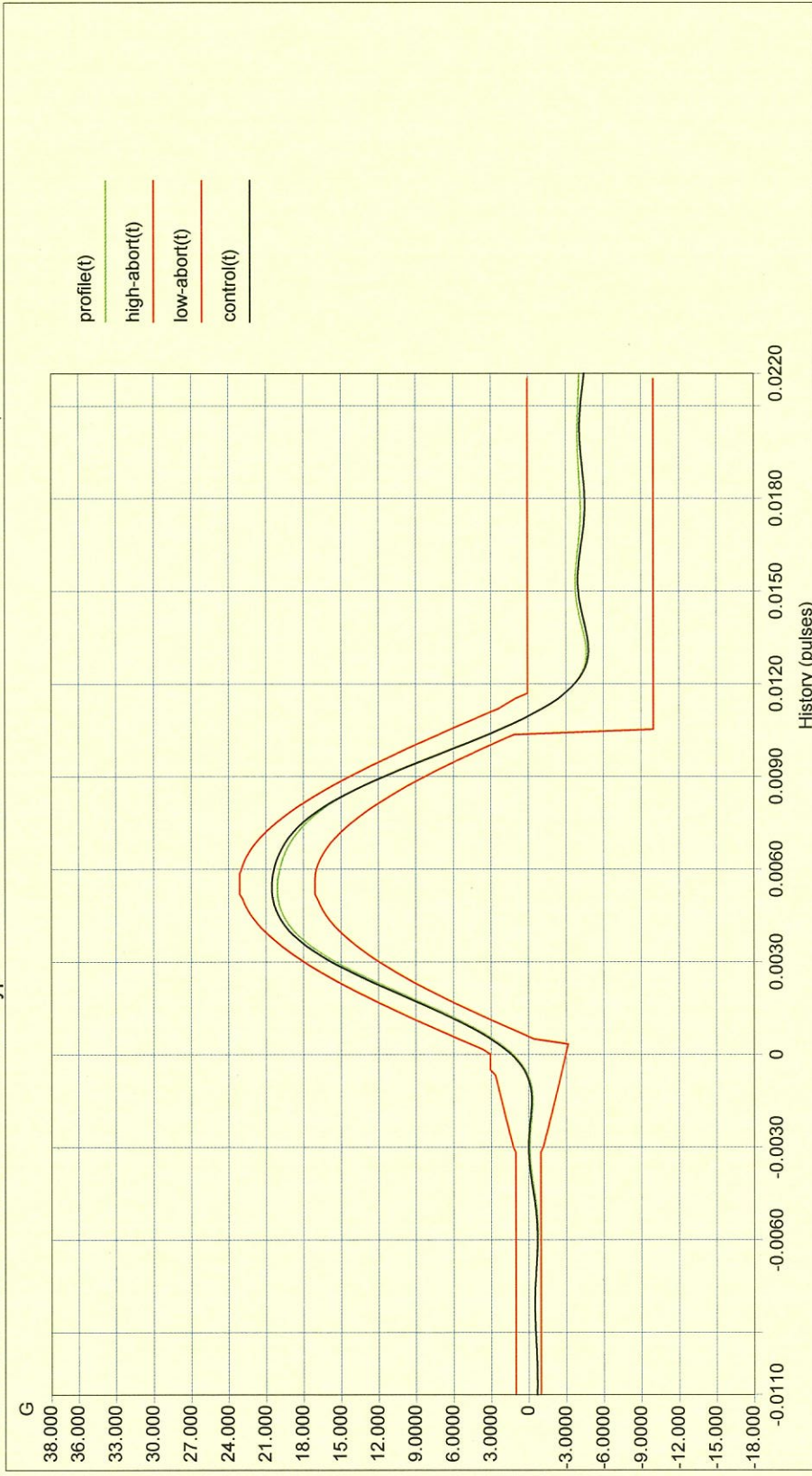




+X axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 17, 2013 13-11-12



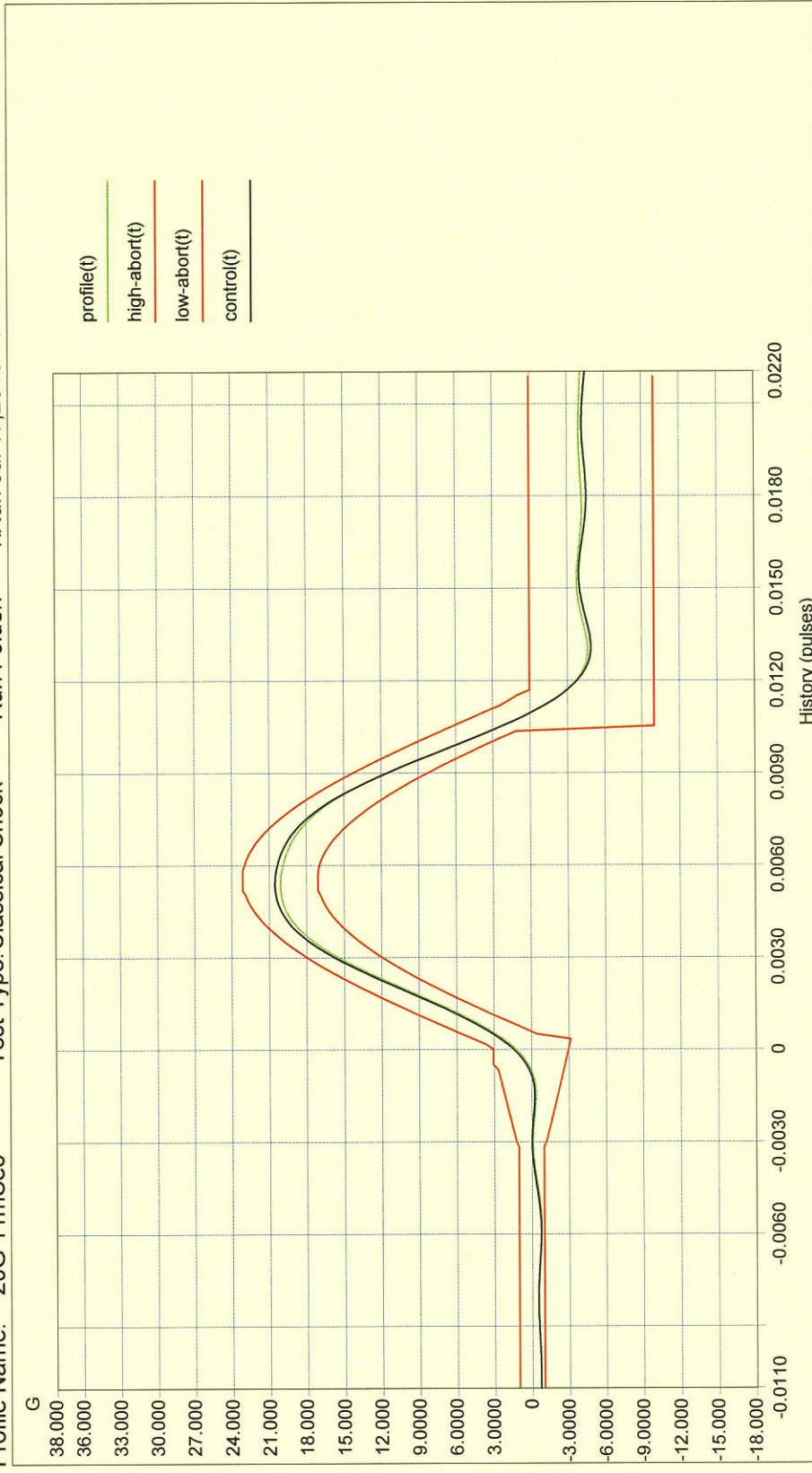
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.341333 Seconds Control Peak: 20.438150 G Control RMS: 2.897558 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



-X axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 17, 2013 13-16-43



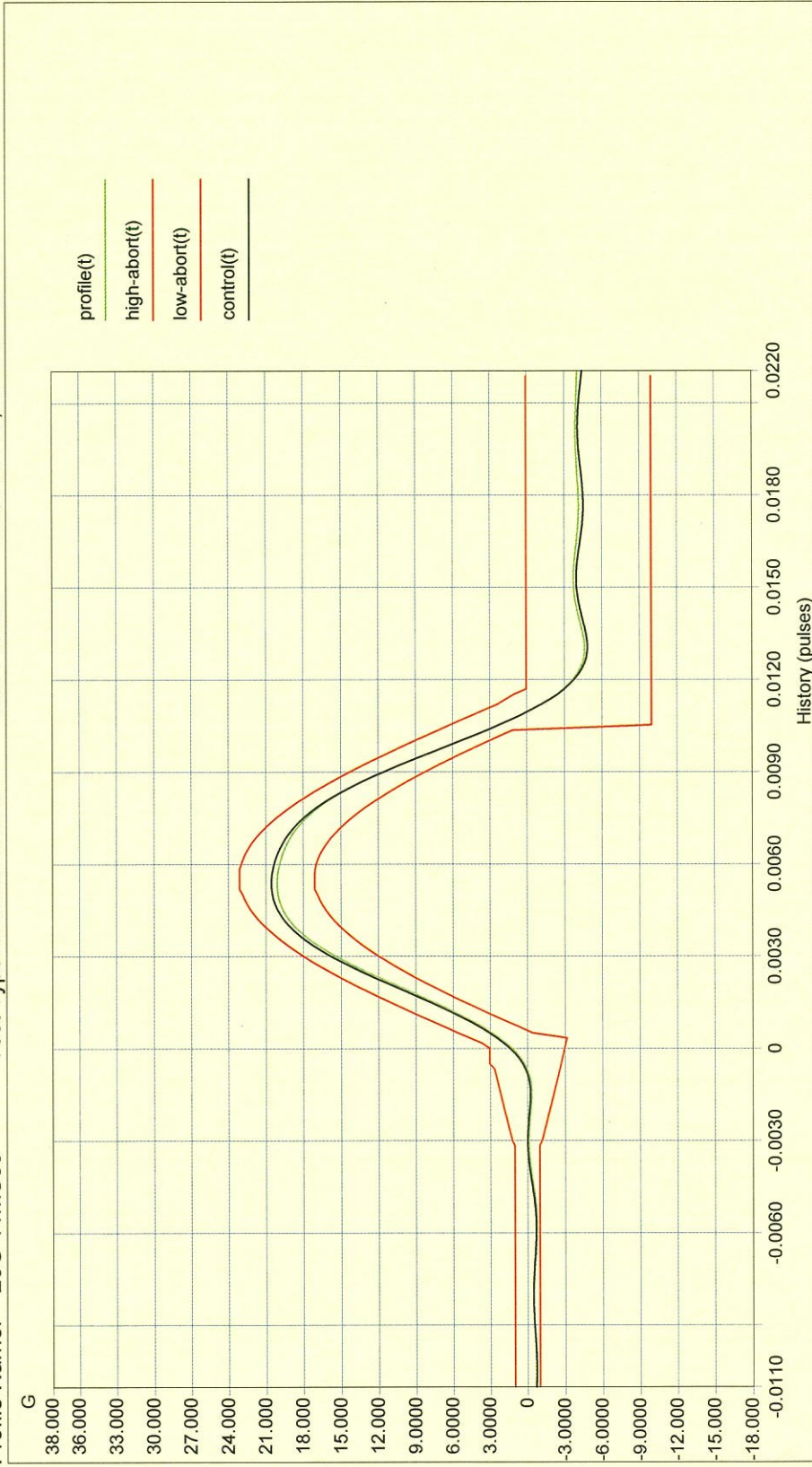
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.341333 Seconds Control Peak: 20.448591 G Control RMS: 2.897924 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



+Y axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 17,2013 11-45-42



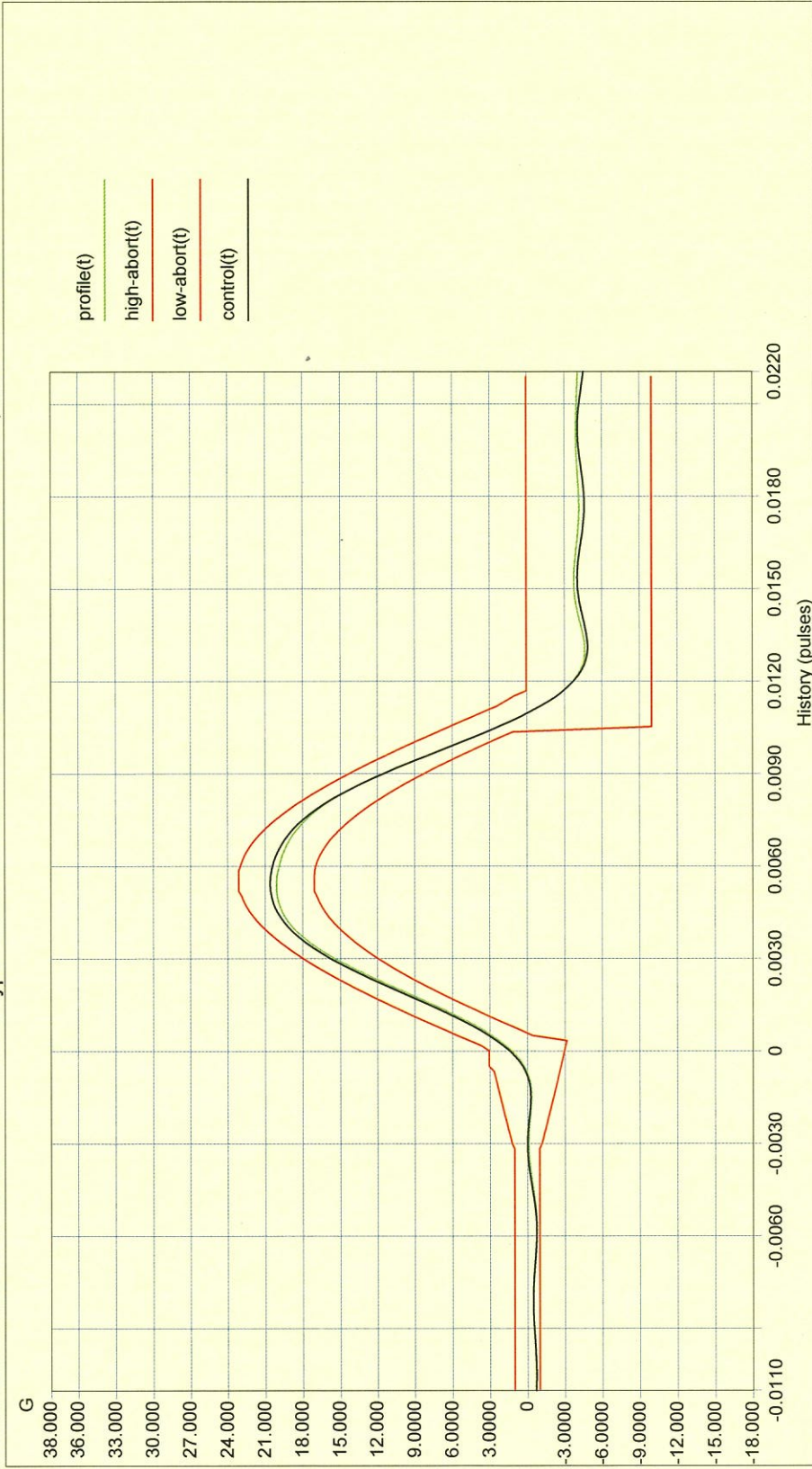
Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3  
 Frame Time: 0.341333 Seconds Control Peak: 20.463274 G Control RMS: 2.898565 G  
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



-Y axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 17, 2013 11-53-00



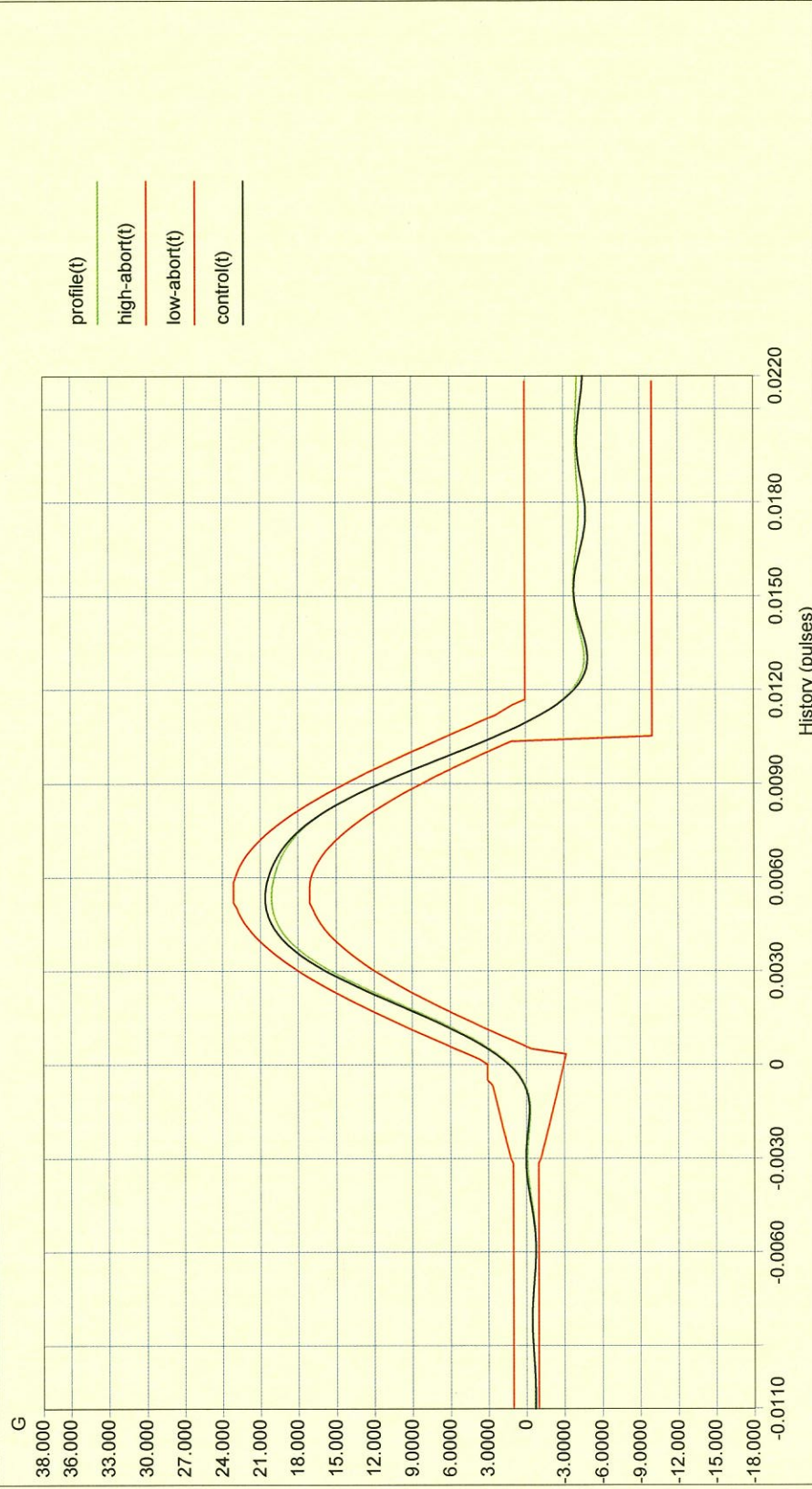
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.341333 Seconds Control Peak: 20.492950 G Control RMS: 2.898635 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



+Z axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 17, 2013 11-26-44



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3  
 Frame Time: 0.341333 Seconds Control Peak: 20.502527 G Control RMS: 2.898039 G  
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



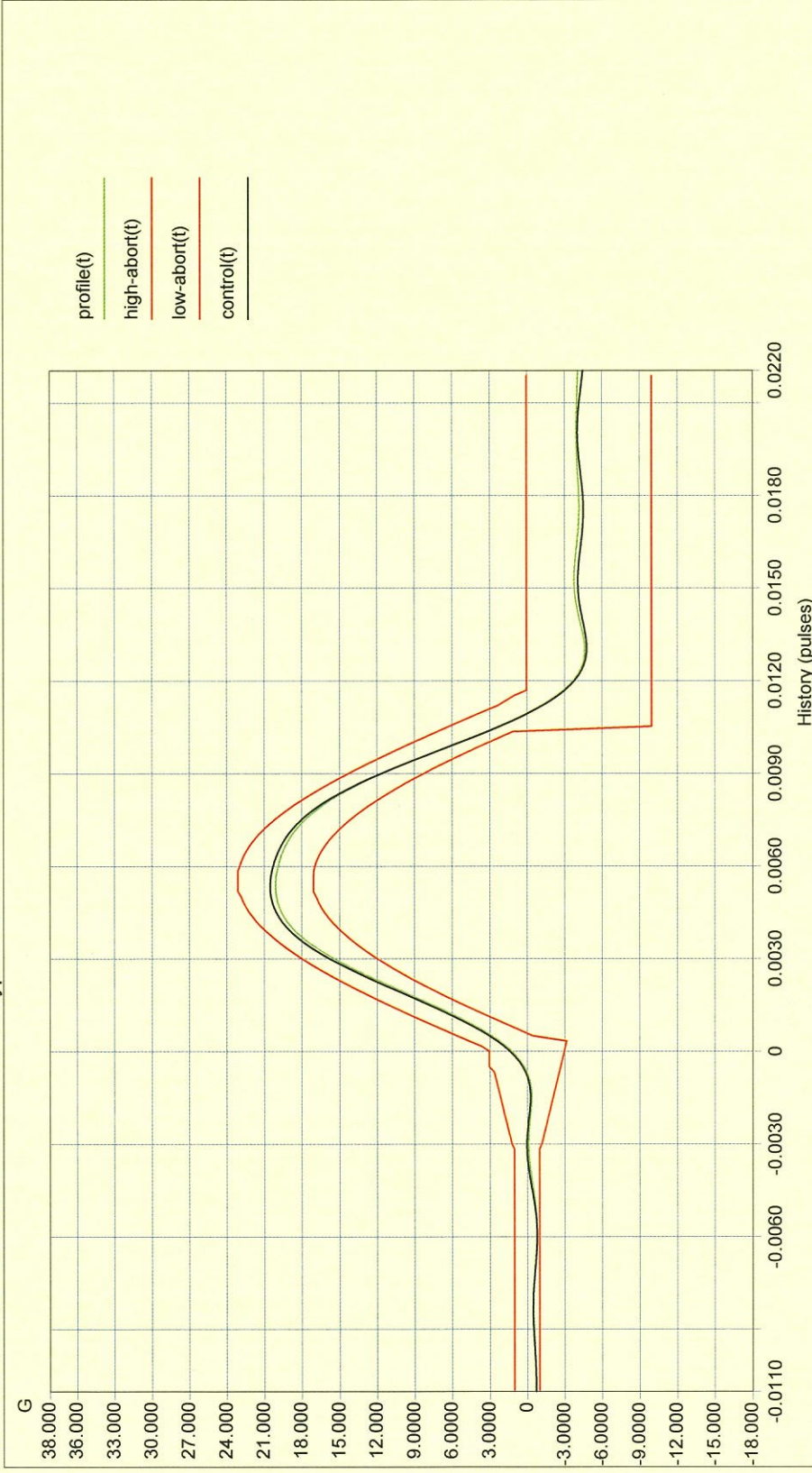
-Z axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jul 17, 2013 11-32-51



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.341333 Seconds Control Peak: 20.431257 G Control RMS: 2.900011 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 2.810931 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

-END-