

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

**VIBRATION TEST LABORATORY**

4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,

<http://www.kdi.tw>

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

<http://www.vibration.com.tw>

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

E-mail:service@kdi.tw

**TESTING / INSPECTION REPORT**

REPORT NO : ST-130807-3

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 : AIS-E2-CV1 (with 2.5" HDD\*2)

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

Test Engineer : <i>Te Rui</i>	
Approval Signatory : <i>2013. 8. 12 David Lee</i>	Laboratory Head : <i>Chang Hsin Tai</i>



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## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- |                         |   |
|-------------------------|---|
| 1.Vibration Tester      | : KING DESIGN KD-9363EM-600F2K-50N120,<br>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    | : AIS-E2-CV1 (with 2.5" HDD*2) |
| Quantity | : 1 unit                       |

### TEST SPECIFICATION :

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

- |                 |                              |
|-----------------|------------------------------|
| Wave Form       | : Half Sine wave (Operating) |
| Acceleration    | : 15 g                       |
| Duration Time   | : 11 mS                      |
| No. of Shock    | : Each axis 3 times          |
| Shock Direction | : ±X, ±Y, ±Z axis            |

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**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.			

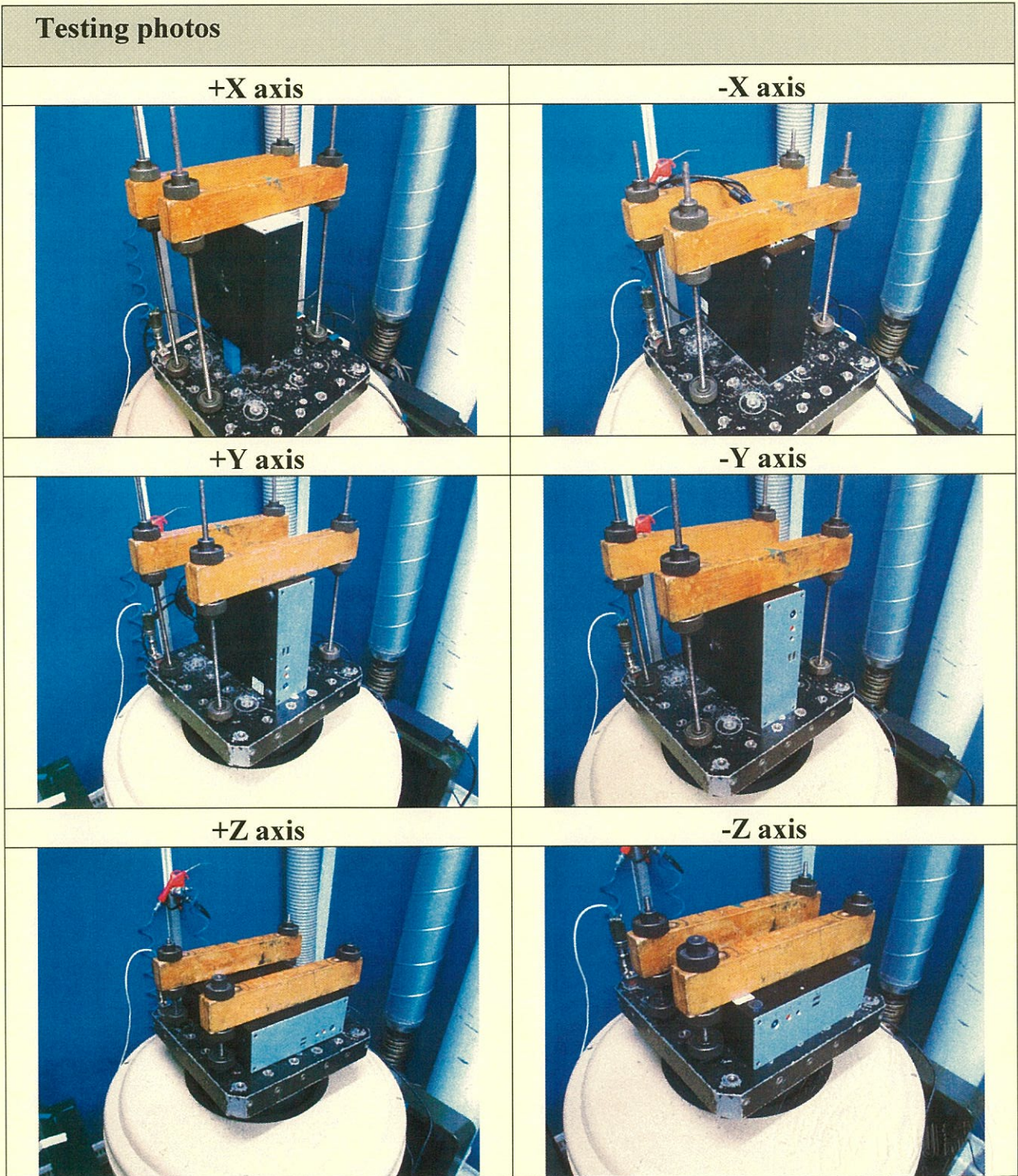
## TESTING / INSPECTION REPORT

### Testing photos

#### Tester



## TESTING / INSPECTION REPORT



## TESTING / INSPECTION REPORT

### Testing photos

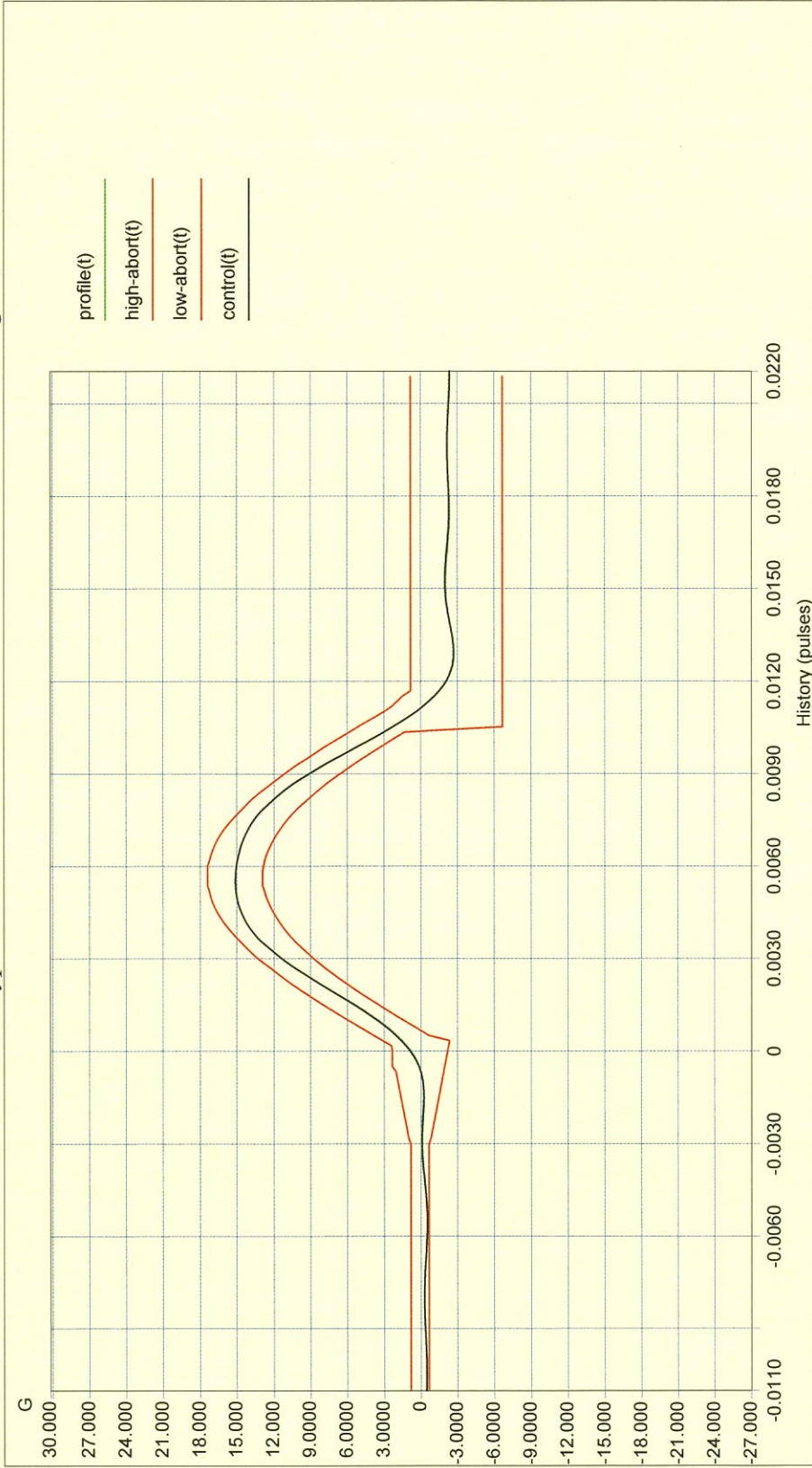
#### After test



+X axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: \Run Aug 06,2013 13-34-12



Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.003084 G Control RMS: 1.531299 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.518124 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

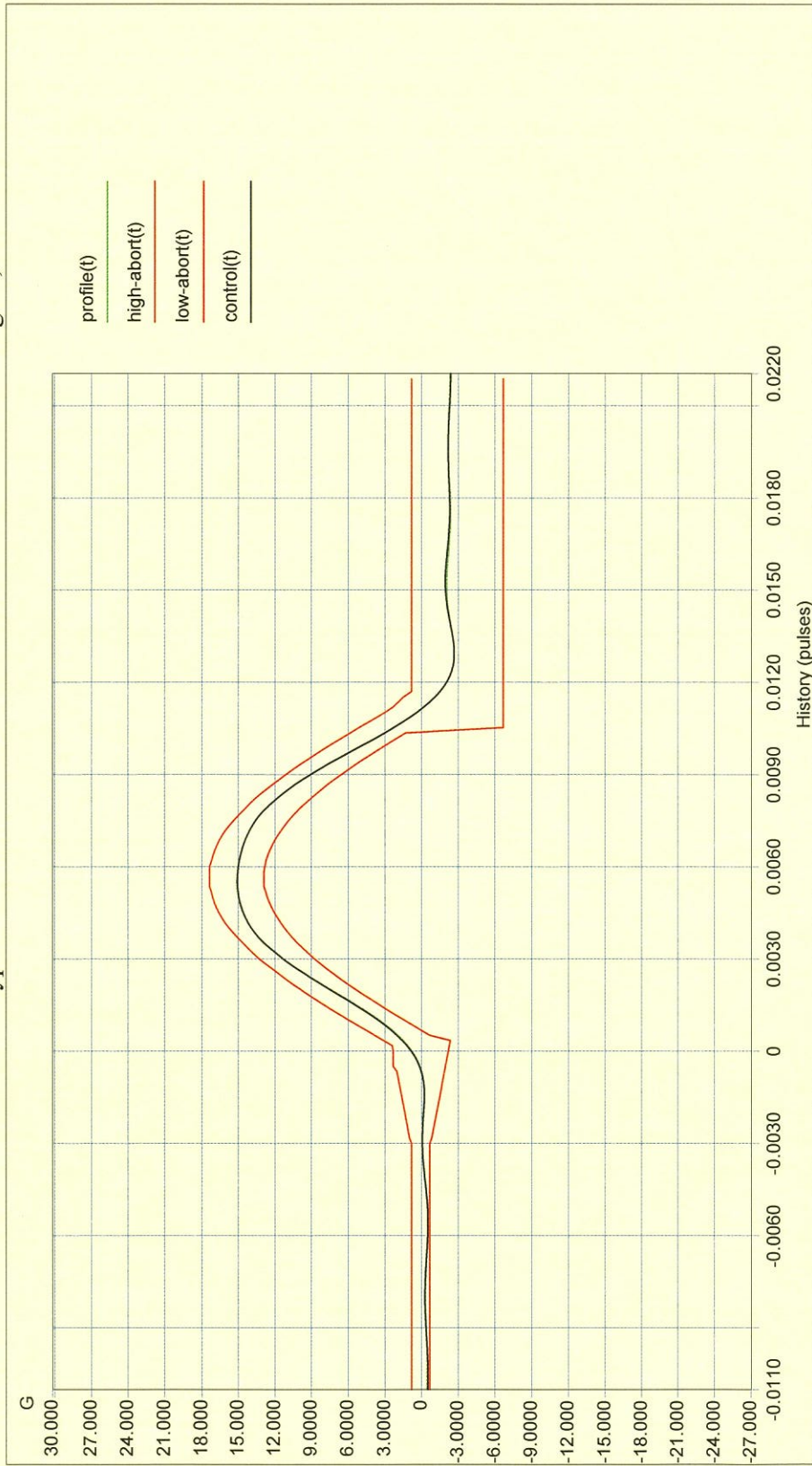
-X axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Aug 06,2013 13-31-46



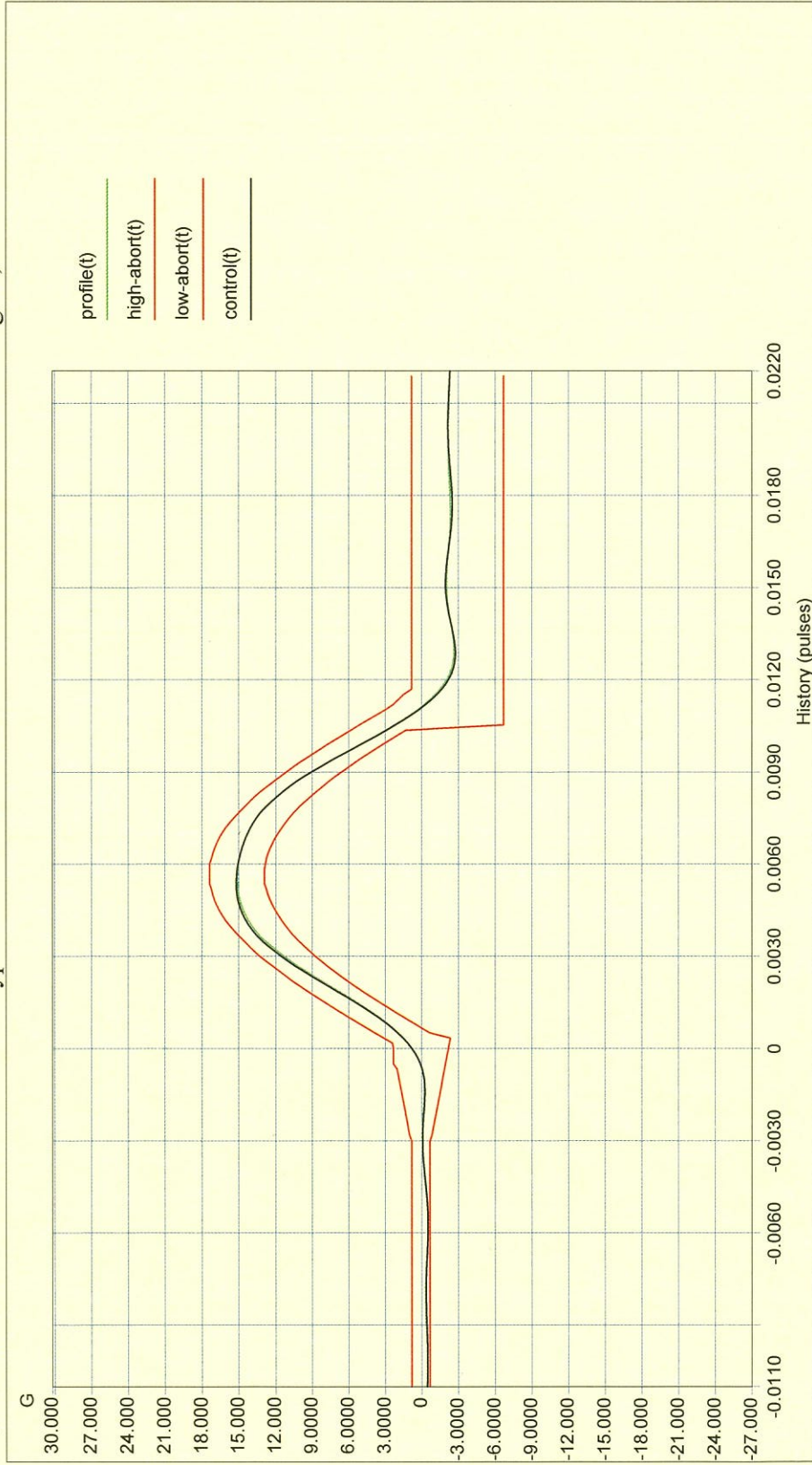
Level: 100 %    Block Size: 4096    Elapsed Pulses: 12    Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds    Control Peak: 14.975813 G    Control RMS: 1.529187 G  
 dT: 0.000167 Seconds    Demand Peak: 14.999999 G    Demand RMS: 1.518124 G    Remaining Pulses: 0  
 Pulse Type: Half Sine    Amplitude: 14.999999 G    Pulse Width: 11.000001 ms



+Y axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .Run Aug 06,2013 13-58-49



Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.086914 G Control RMS: 1.537948 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.518124 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

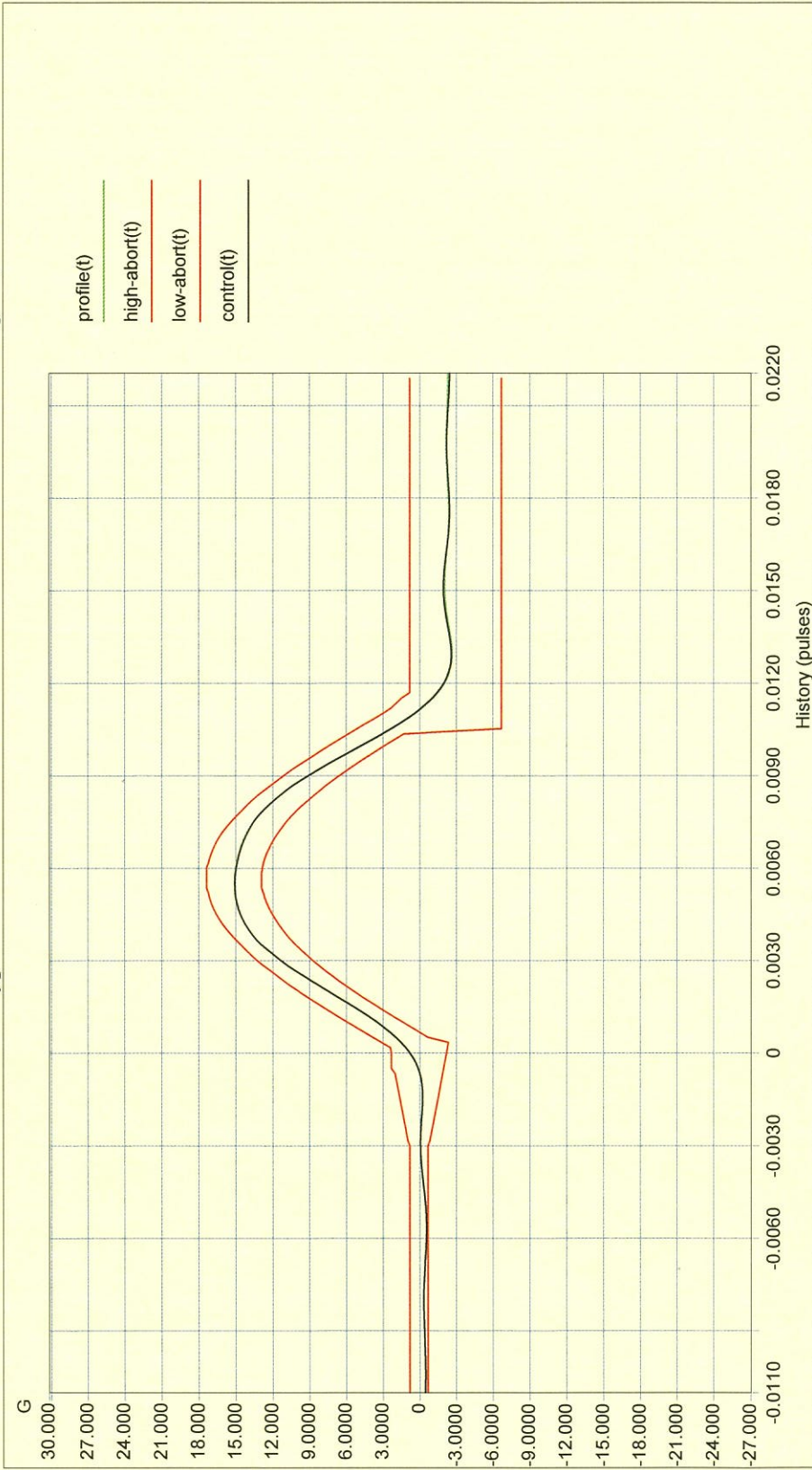
-Y axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: \Run Aug 06,2013 13-38-14

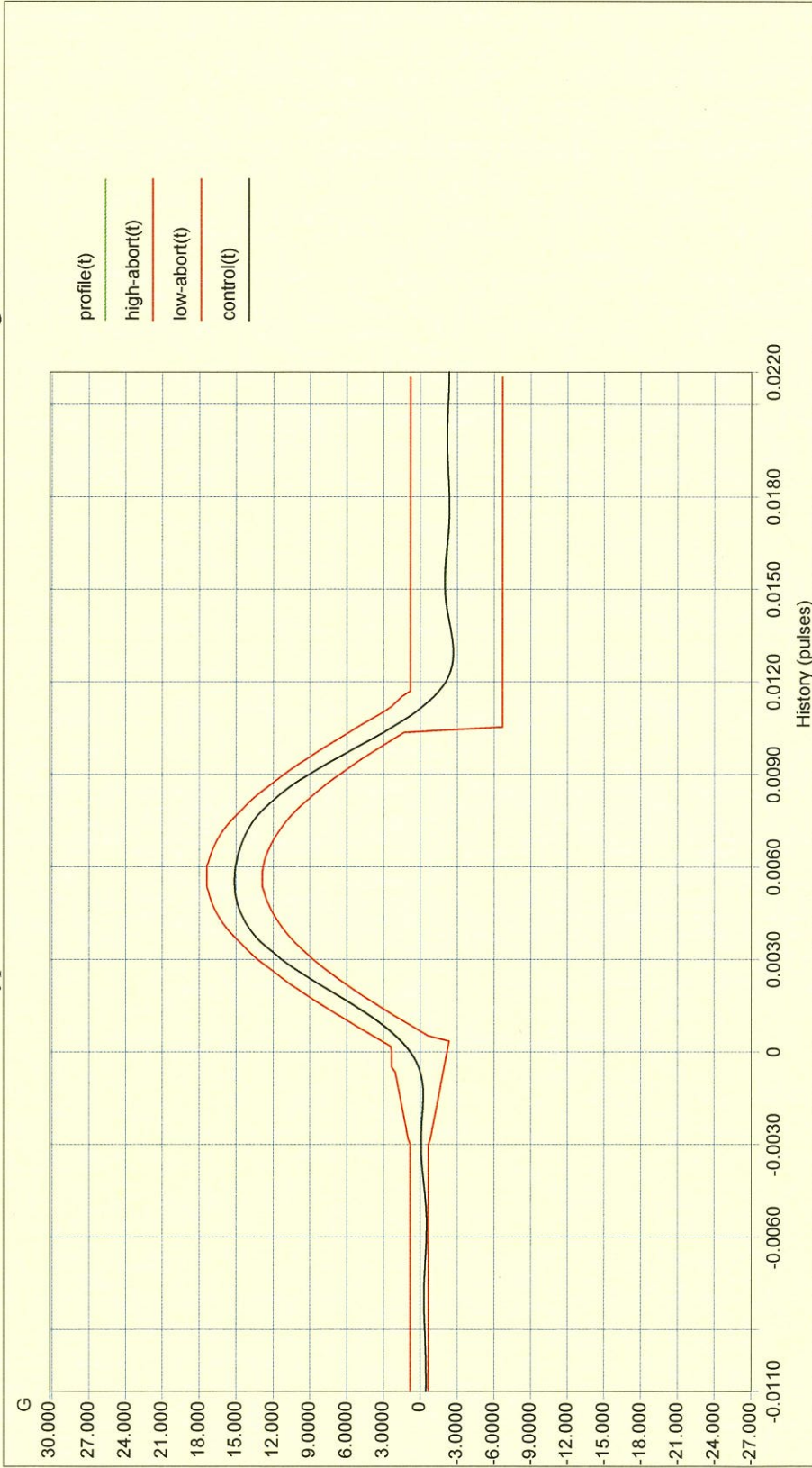


Level: 100 %    Block Size: 4096    Elapsed Pulses: 12    Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds    Control Peak: 14.976470 G    Control RMS: 1.528640 G  
 dT: 0.000167 Seconds    Demand Peak: 14.999999 G    Demand RMS: 1.518124 G    Remaining Pulses: 0  
 Pulse Type: Half Sine    Amplitude: 14.999999 G    Pulse Width: 11.000001 ms

+Z axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Aug 06,2013 13-23-35

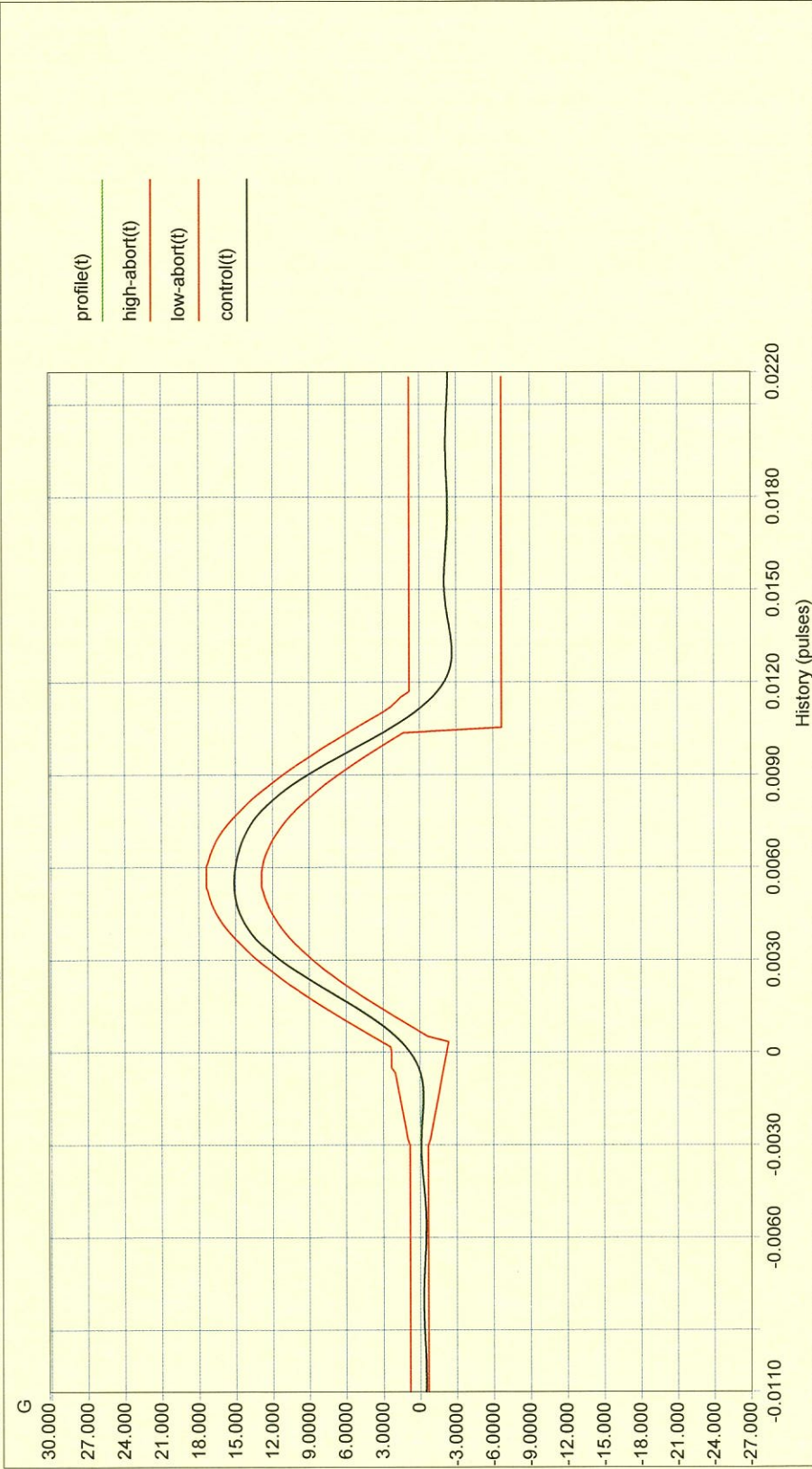


Level: 100 % Block Size: 4096 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 15.028828 G Control RMS: 1.530964 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.518124 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

-Z axis

Project File Name: 15g 11mS.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Aug 06,2013 13-27-13



Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.005326 G Control RMS: 1.531726 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.518124 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms  
 -END-