

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

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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

REPORT NO : ST-140213-1

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 : AHP-2173 (With 2.5" SATA HDD)  
DATE OF RECEIVED : 2014/02/12  
DATE OF TESTED : 2014/02/12

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 :

*Peter Perry*

Approval Signatory :

*2014.2.14 David Lee*

Laboratory Head :

*Hsin Jui Chang*

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## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

- |                          |   |
|--------------------------|---|
| 1. Vibration Tester      | : KING DESIGN KD-9363EM-600F2K-50N120,<br>S/N : KDS11054783 |
| 2. Controller            | : DACTRON COMET USB, S/N : 9478158                          |
| 3. Control Accelerometer | : Wilcoxon Research WR-777, S/N : 4208                      |

### TEST ENVIRONMENT :

- |                   |                      |
|-------------------|----------------------|
| Temperature       | : 18.2°C (25±10°C)   |
| Relative Humidity | : 66 %RH (50±25% RH) |

### SPECIMEN :

- |          |                                 |
|----------|---------------------------------|
| Model    | : AHP-2173 (With 2.5" SATA HDD) |
| Quantity | : 1 unit                        |

### TEST SPECIFICATION :

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

- |                        |                     |
|------------------------|---------------------|
| Shock test (Operating) |                     |
| Wave Form              | : Half Sine wave    |
| 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)—Bootting function was normal after the test. (2)—No visible damages were found.			



## TESTING / INSPECTION REPORT

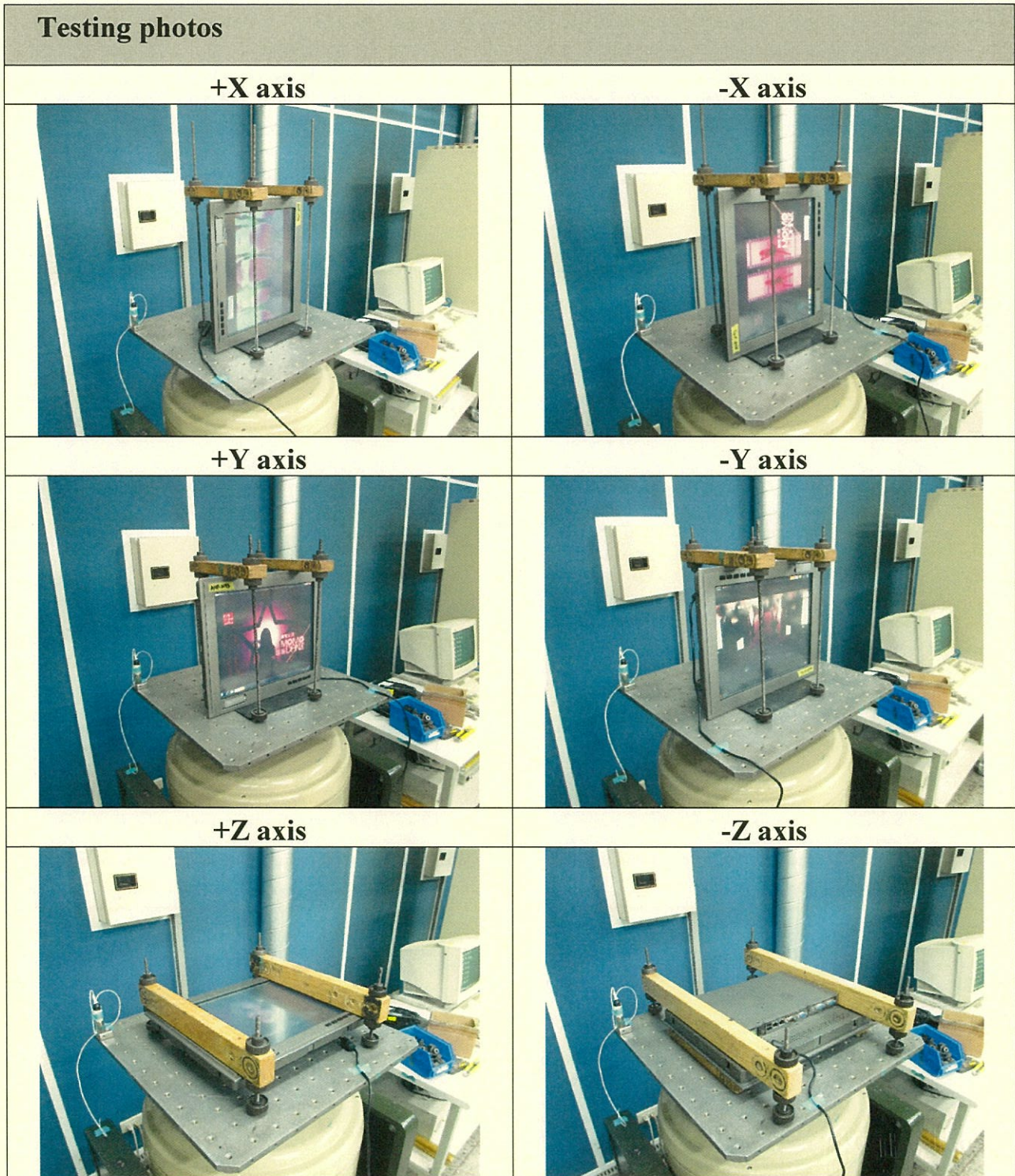
### Testing photos

#### Tester





## TESTING / INSPECTION REPORT





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E-mail:service@kdi.tw

## TESTING / INSPECTION REPORT

### Testing photos

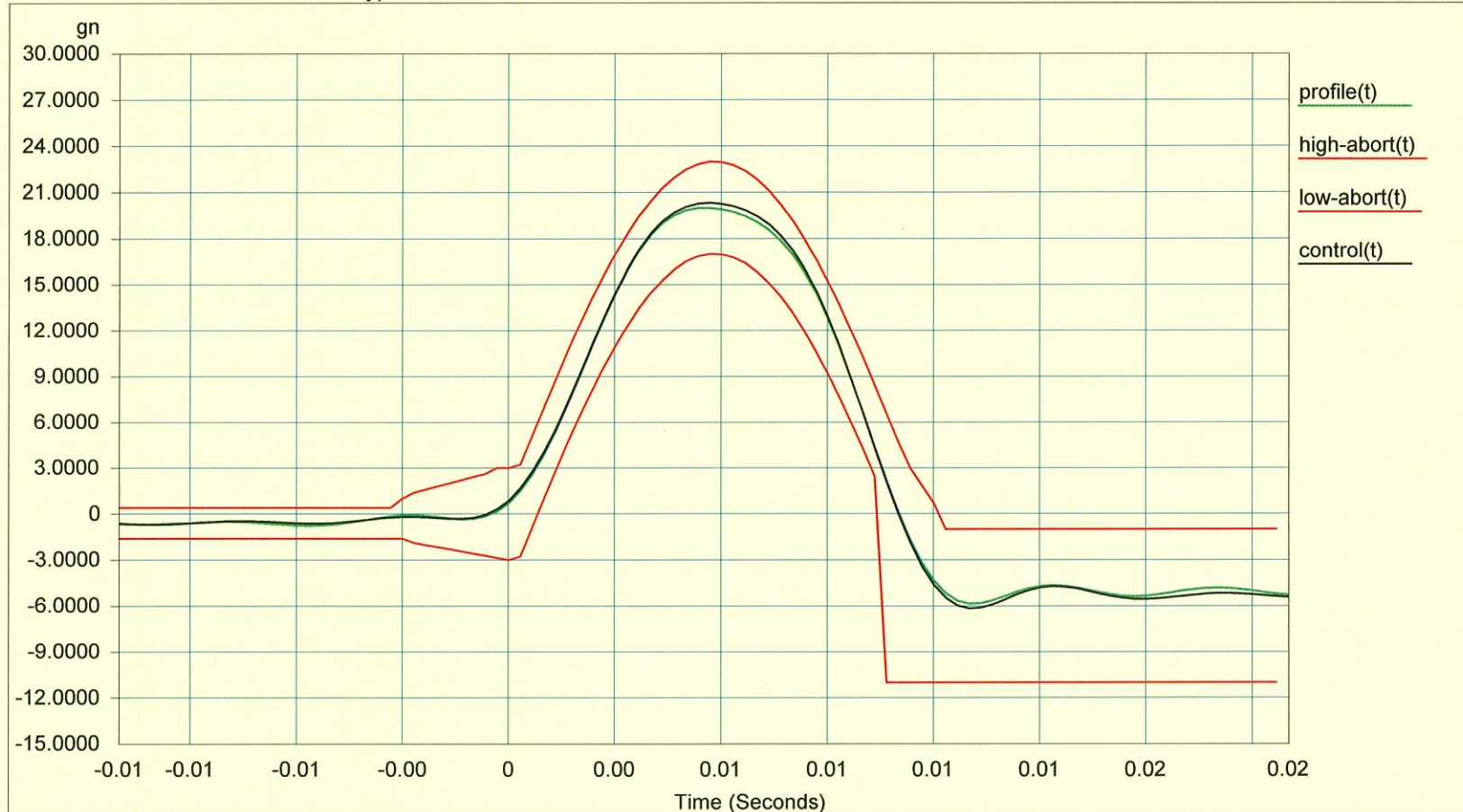
#### After test



+X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-45-17



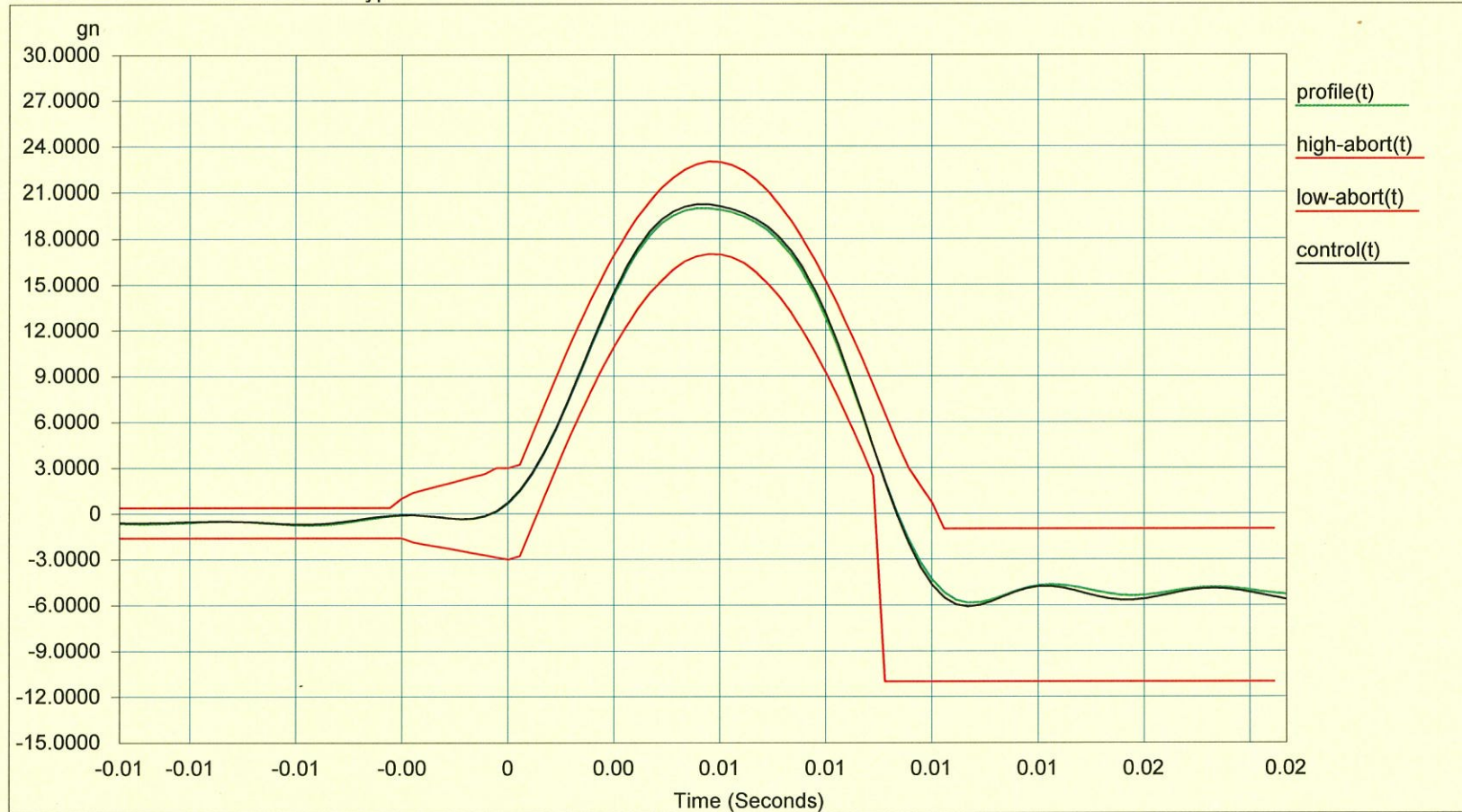
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 20.337488 Control RMS: 2.302899 Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-49-12

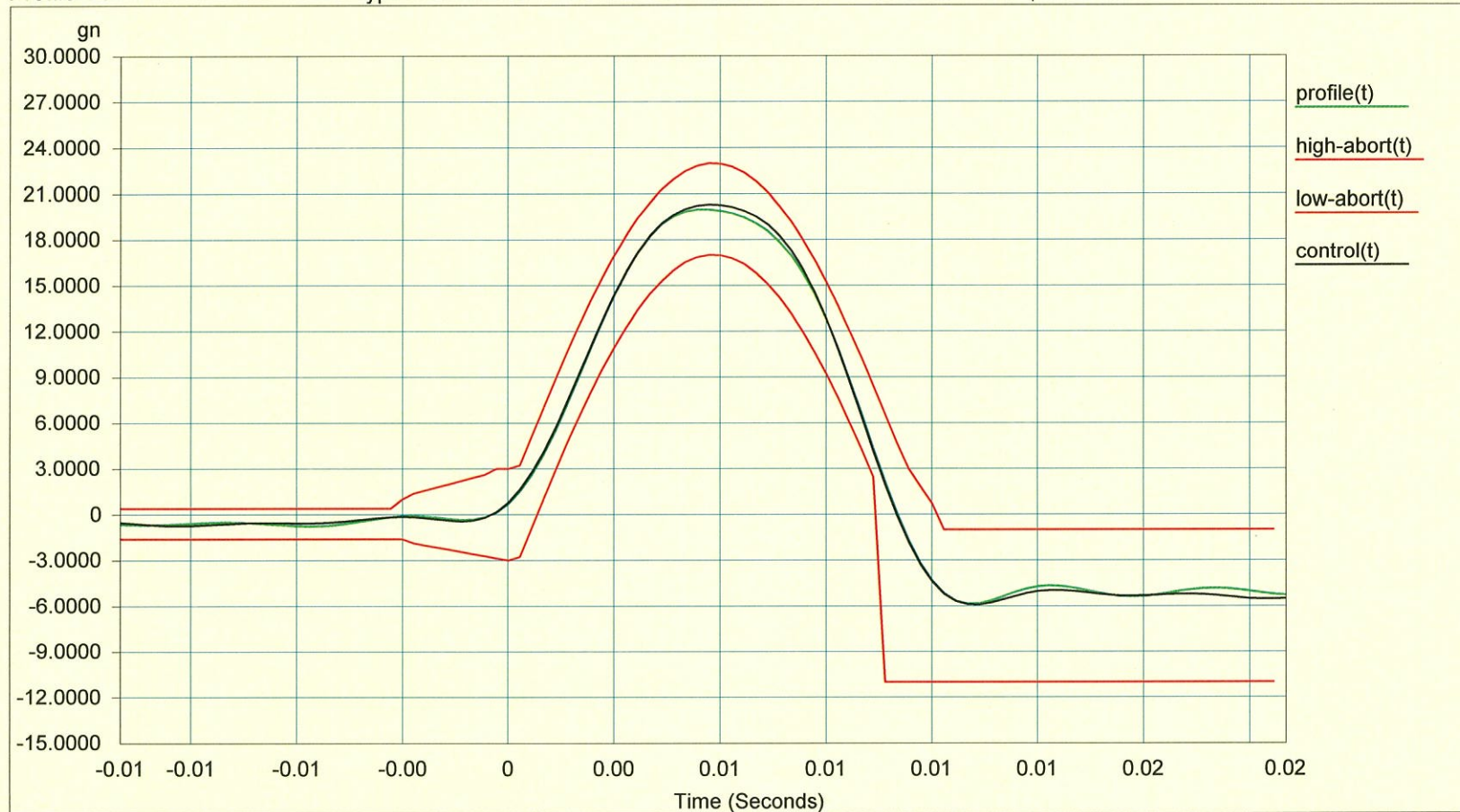


Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 20.238657 Control RMS: 2.303456 Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-33-13



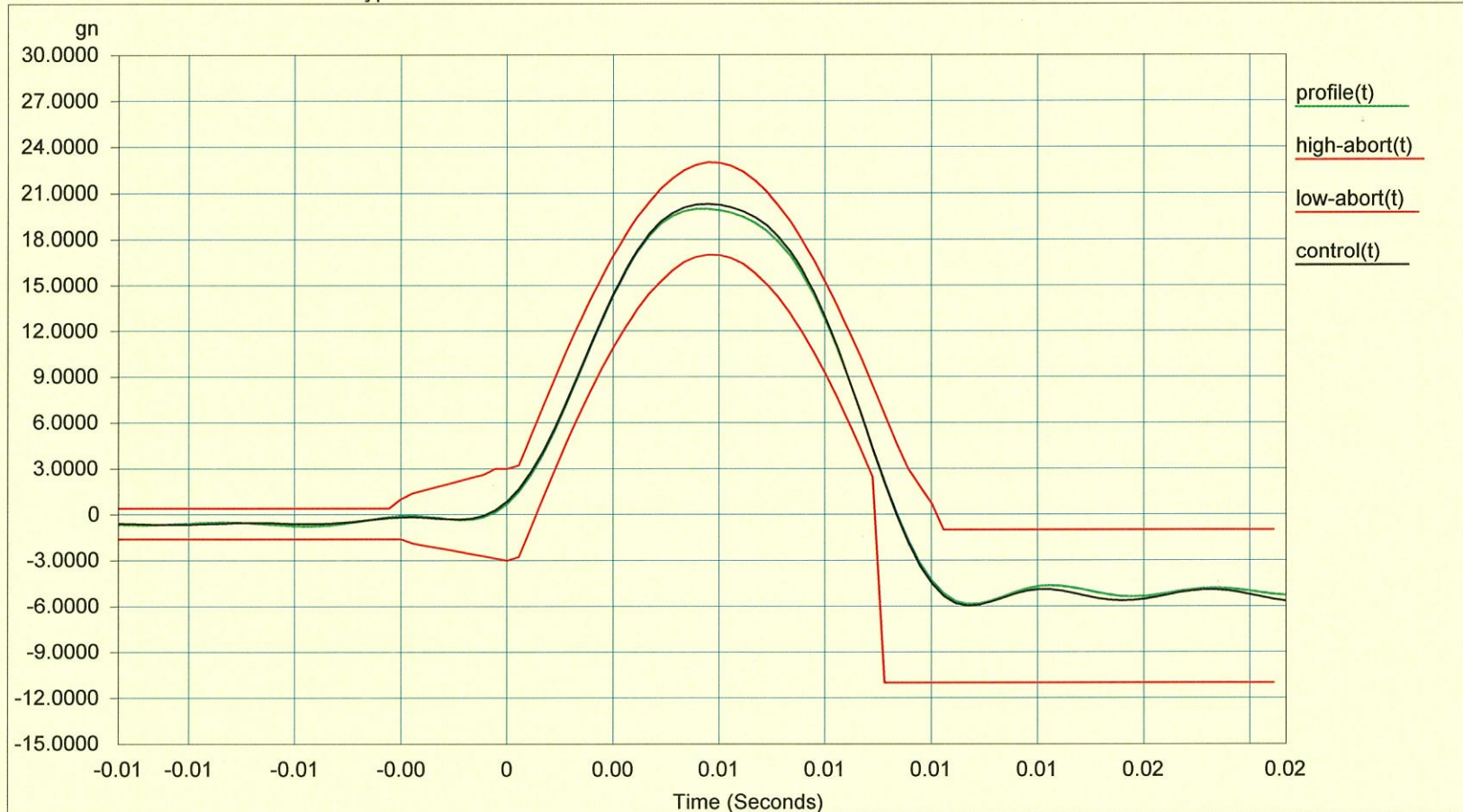
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 20.329626 Control RMS: 2.299115 Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-37-50



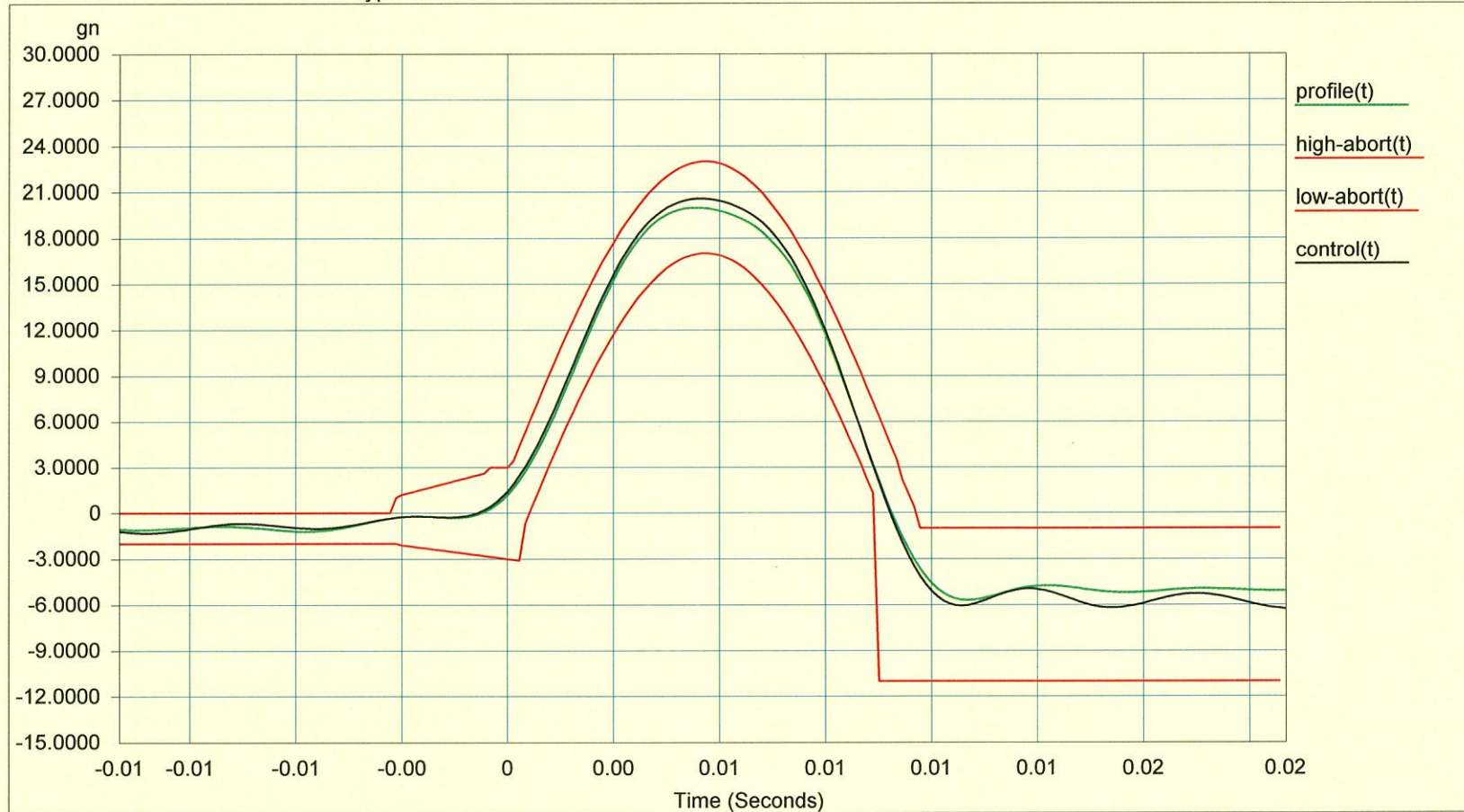
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 20.332899 Control RMS: 2.302046 Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



+Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-09-25



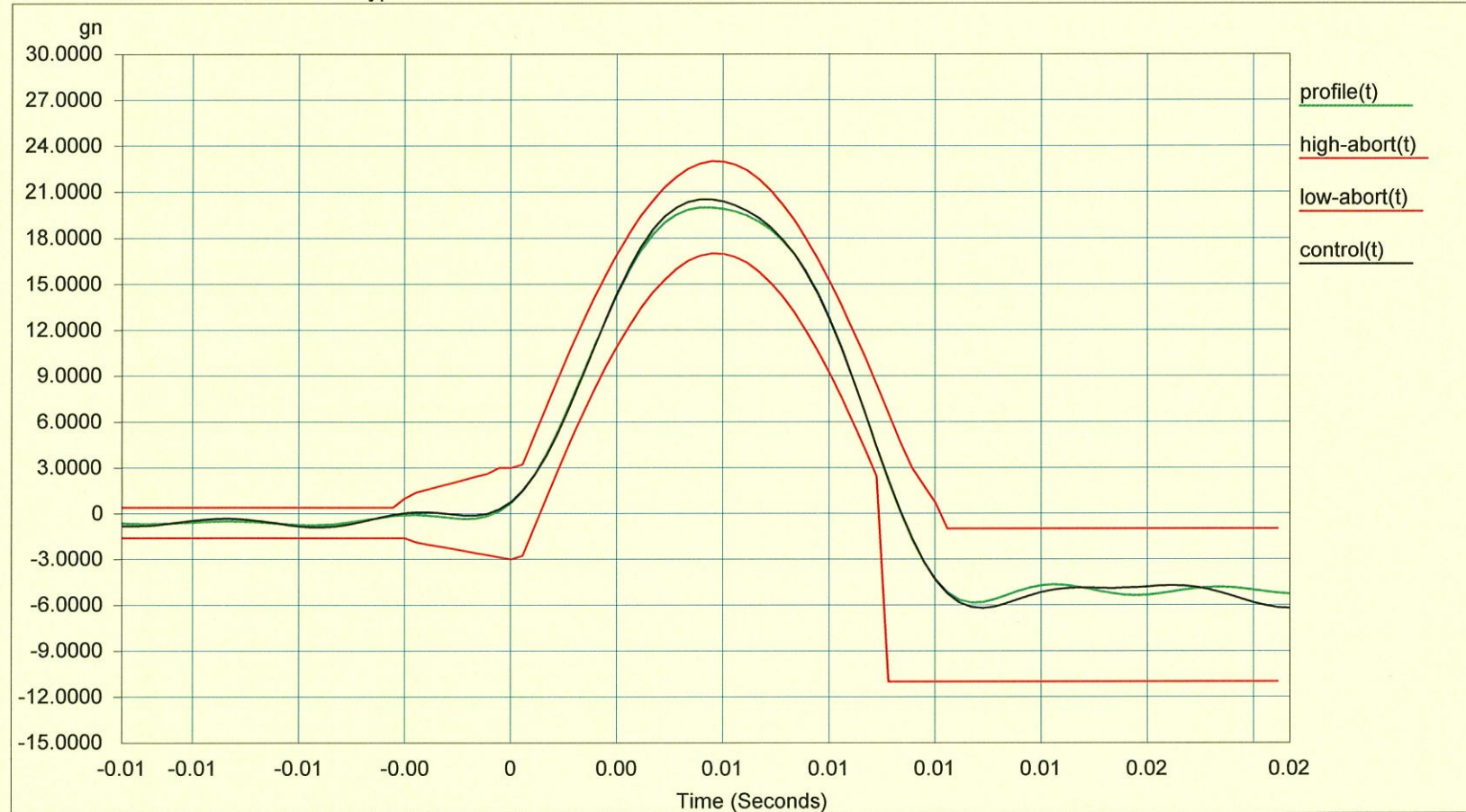
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.341333 Seconds Control Peak: 20.586864 Control RMS: 3.313710 Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 19.999998 Demand RMS: 3.158839 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Feb 12, 2014 14-18-10



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.682667 Seconds Control Peak: 20.534346 Control RMS: 2.300193 Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-END-