

**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-140507-1

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-6638 (With 2.5" SATA HDD)  
DATE OF RECEIVED : 2014/05/07  
DATE OF TESTED : 2014/05/07

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 :

*Te Ky*

Approval Signatory :

*David Lee*

Laboratory Head :

*Hsin Tai Chang*



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## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,  
 S/N : KDS11054986

Controller : DACTRON Front-End Box, S/N : 4529465

Control Accelerometer : Wilcoxon Research WR-777, S/N : 4207

### TEST ENVIRONMENT :

Temperature : 25°C (25±10°C)

Relative Humidity : 65 %RH (50±25% RH)

### SPECIMEN :

Model : AEC-6638 (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)—Booting function was normal after the test. (2)—No visible damages were found.			



## TESTING / INSPECTION REPORT

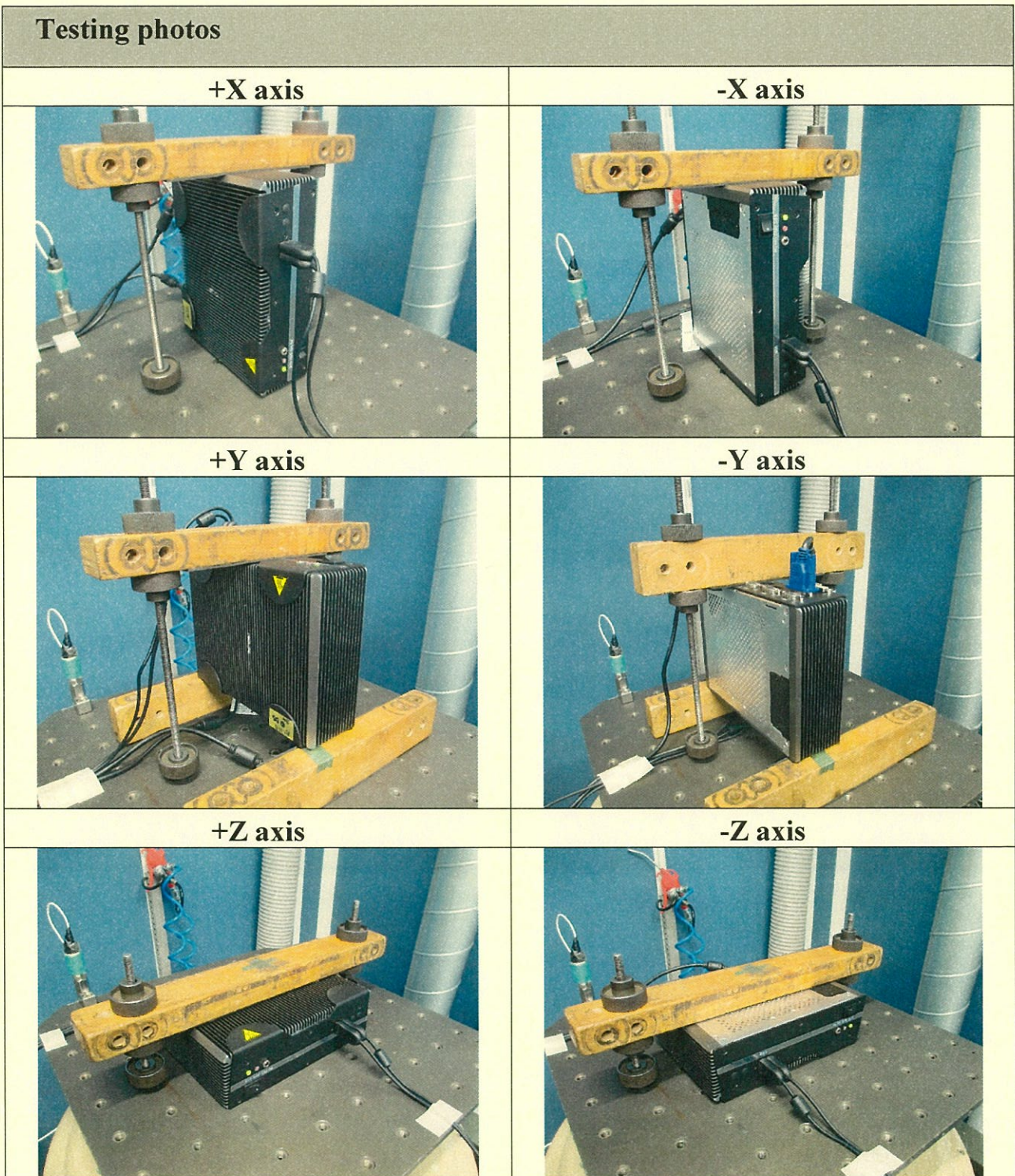
### Testing photos

#### Tester





## TESTING / INSPECTION REPORT





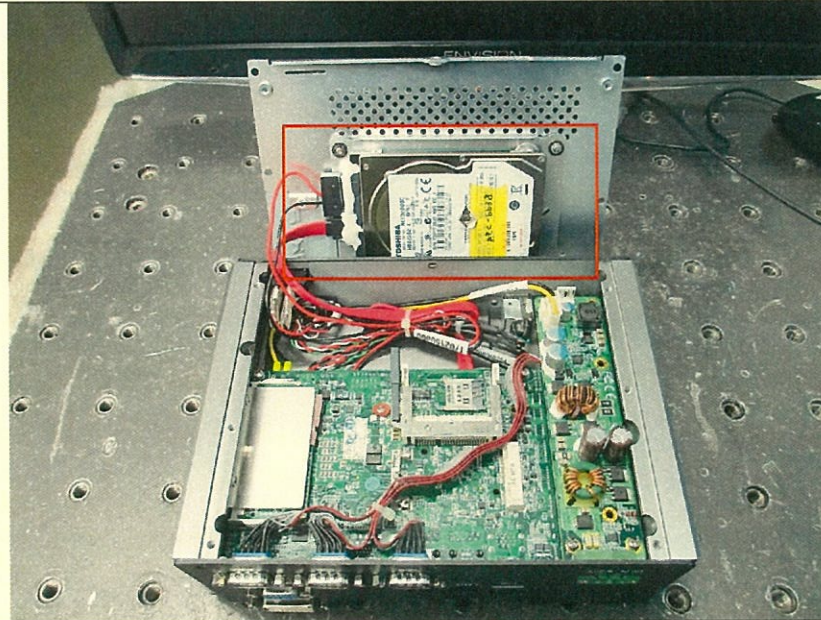
## TESTING / INSPECTION REPORT

### Testing photos

After test-1



After test-2





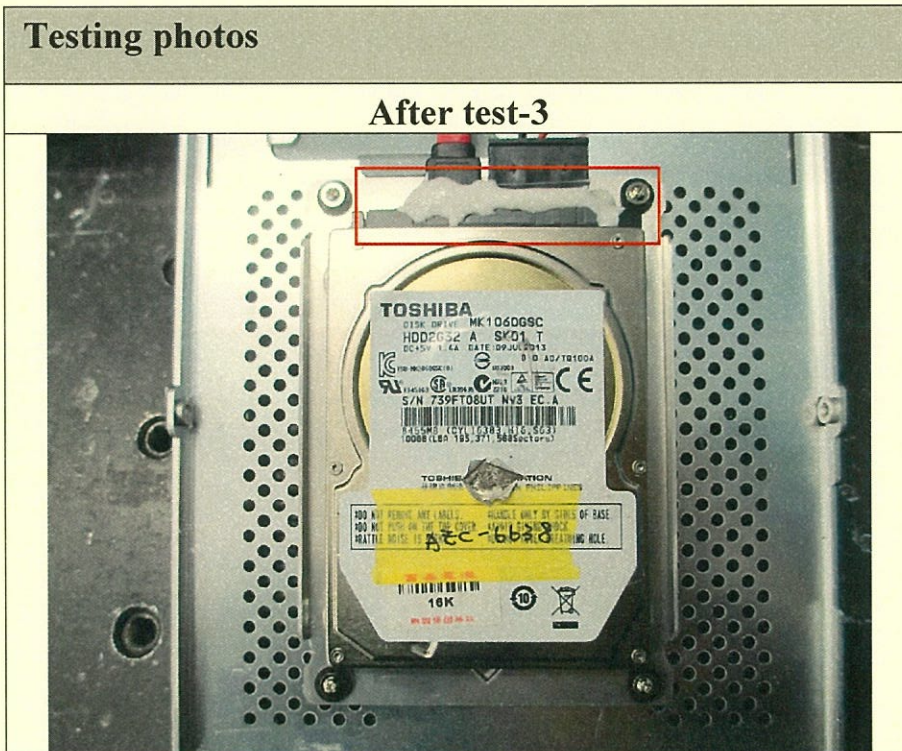
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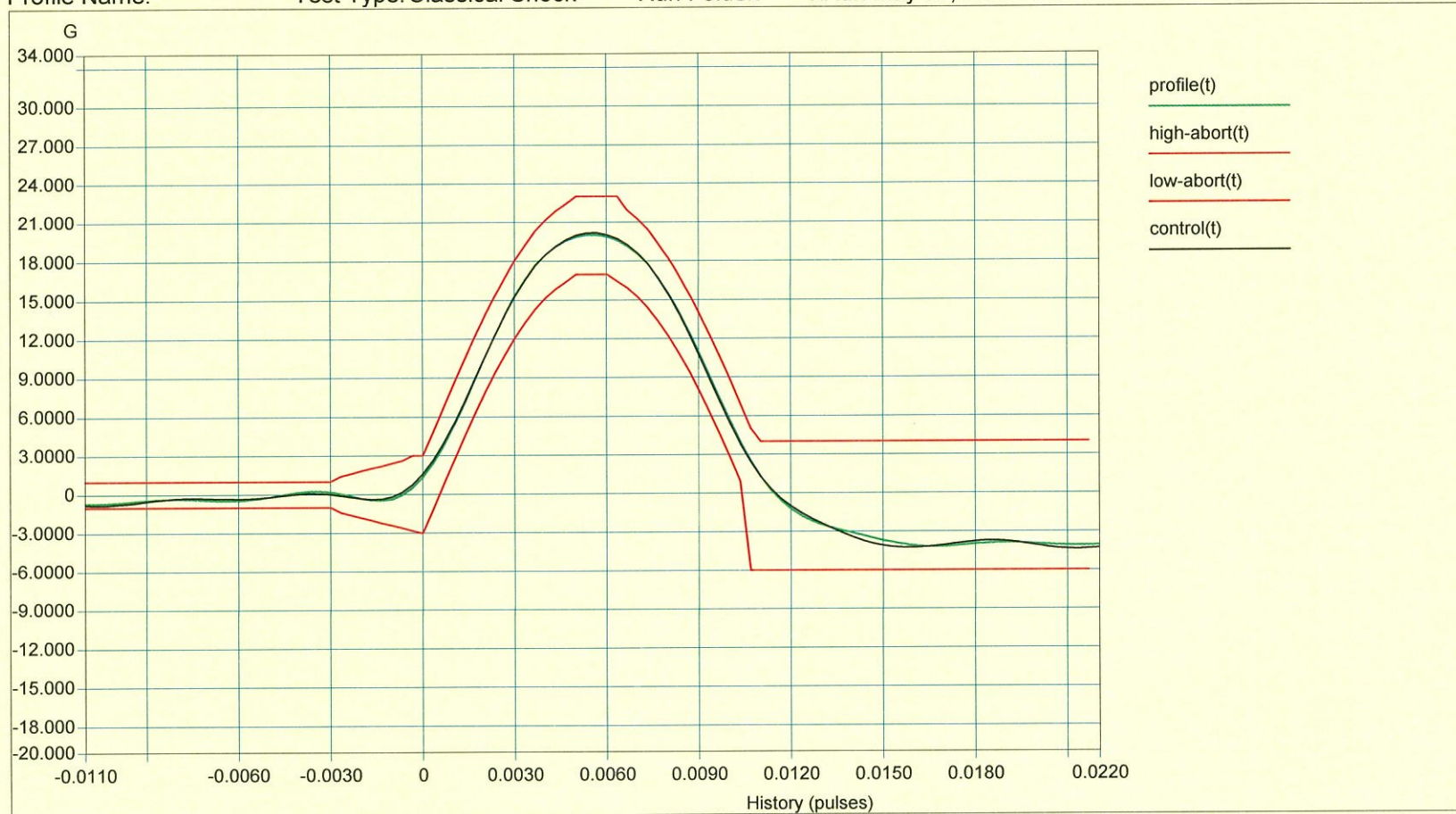




+X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07, 2014 11-30-29

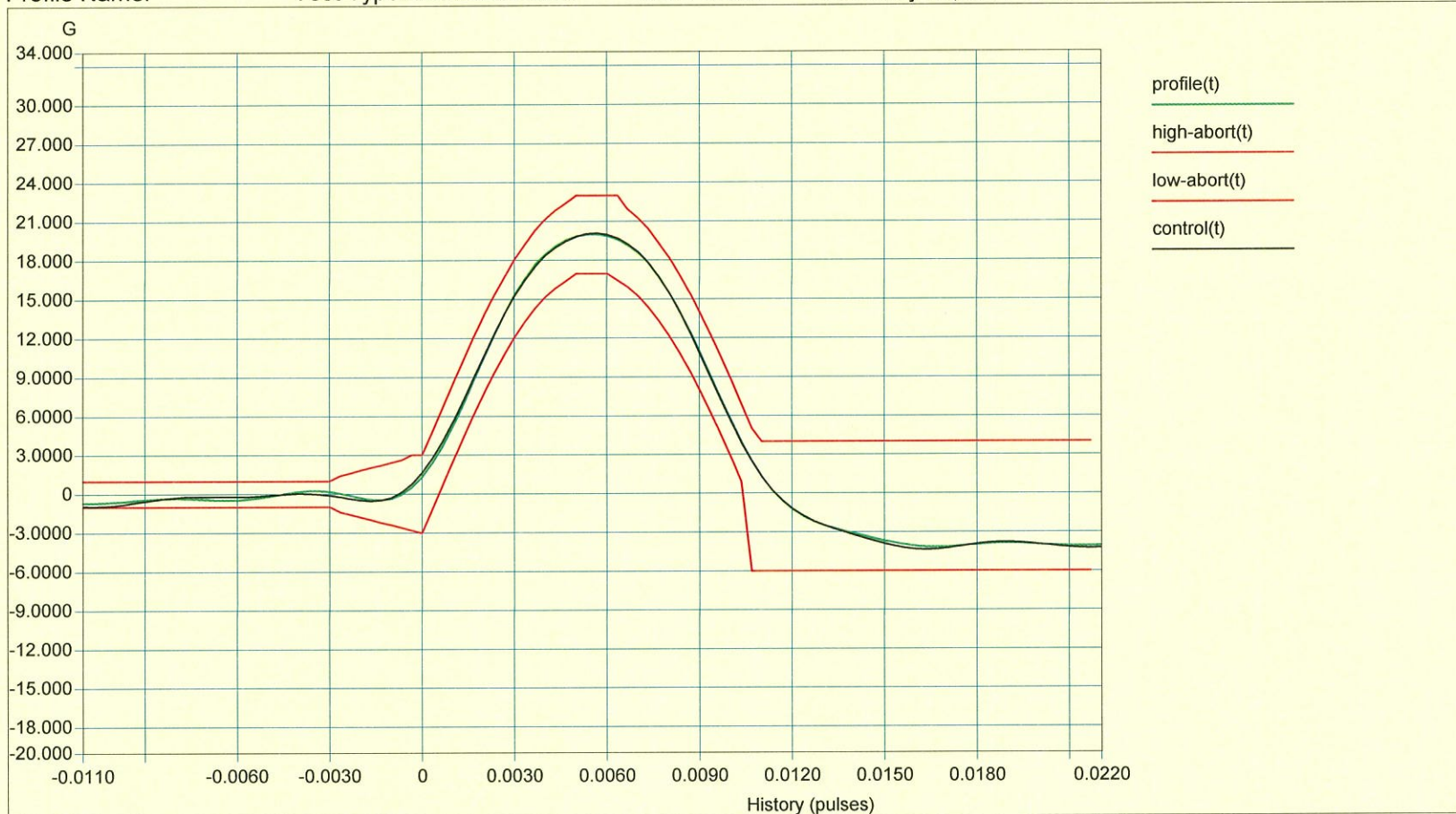


Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.137133 G Control RMS: 2.060205 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

-X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07,2014 11-32-16



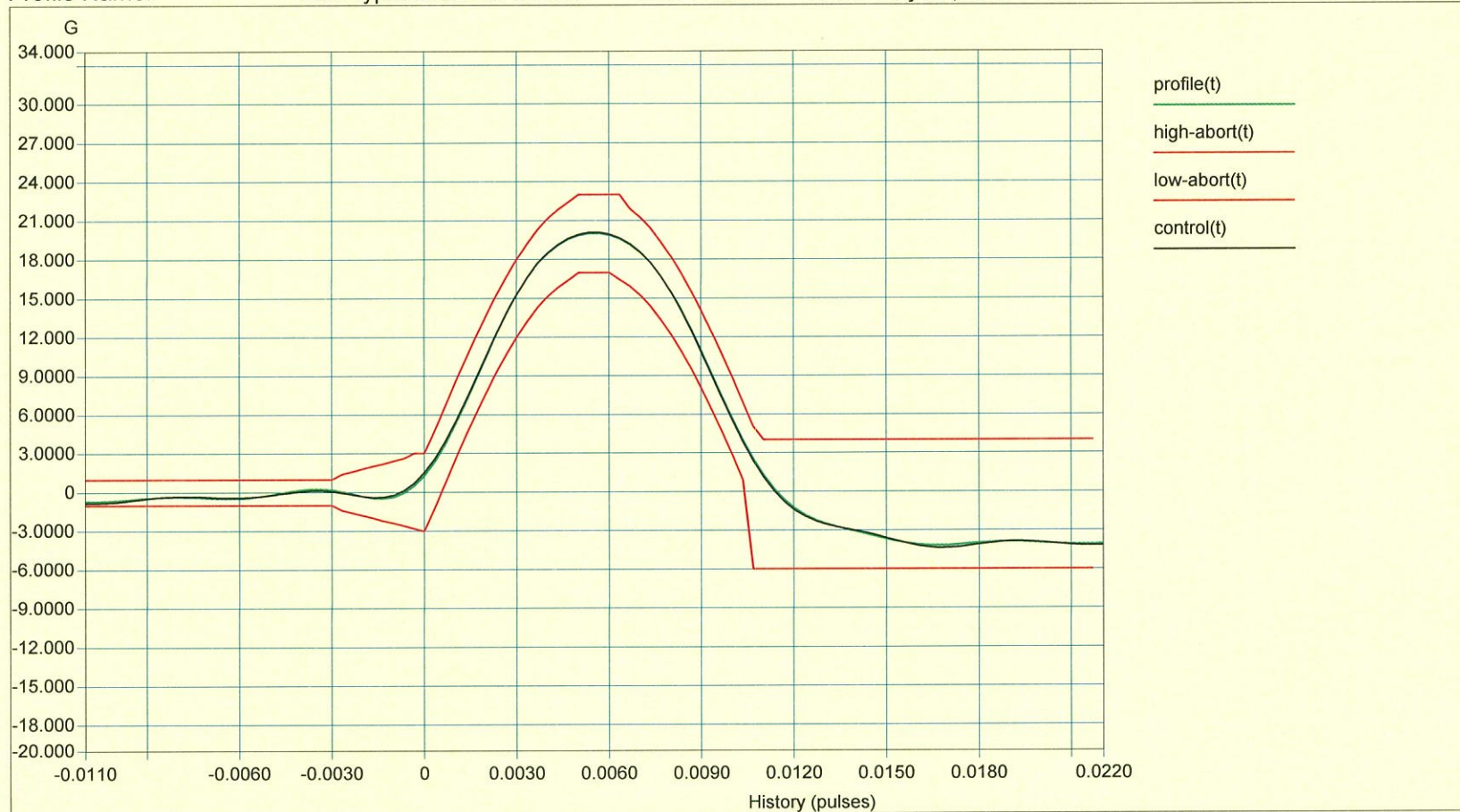
Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.072777 G Control RMS: 2.060712 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



+Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07,2014 11-35-29



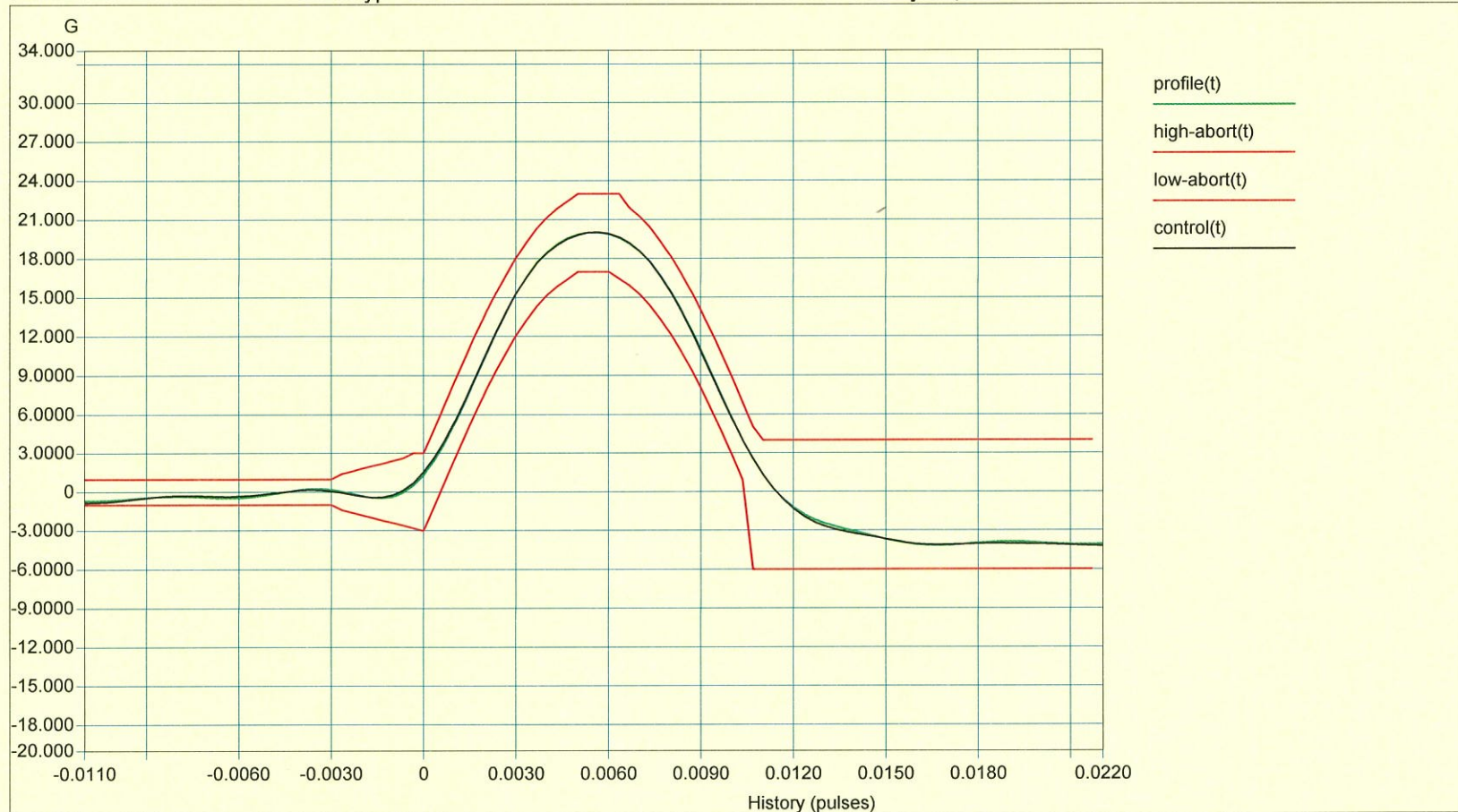
Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.080452 G Control RMS: 2.061050 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



-Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07,2014 11-38-06



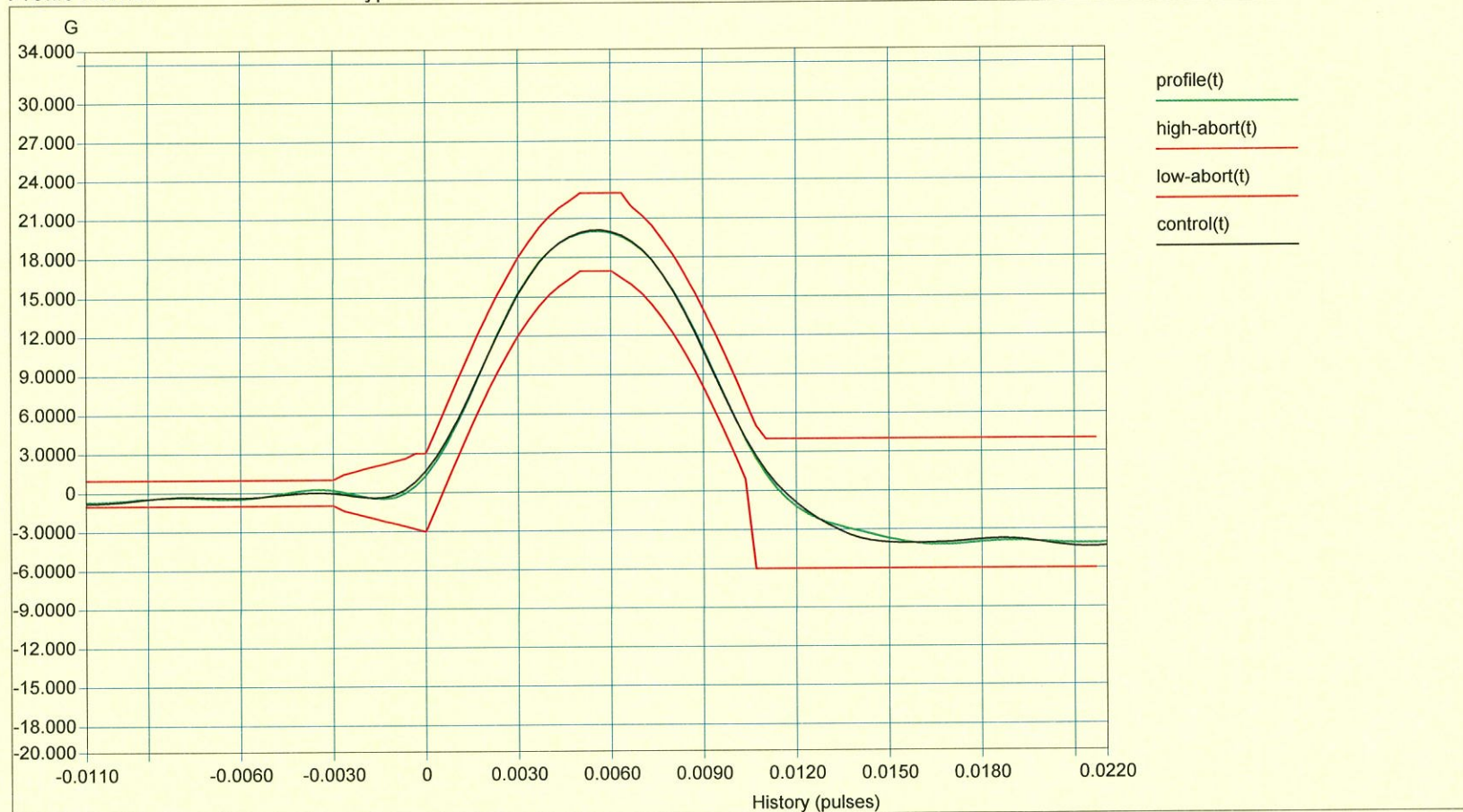
Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.009136 G Control RMS: 2.058508 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



+Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07,2014 11-24-43



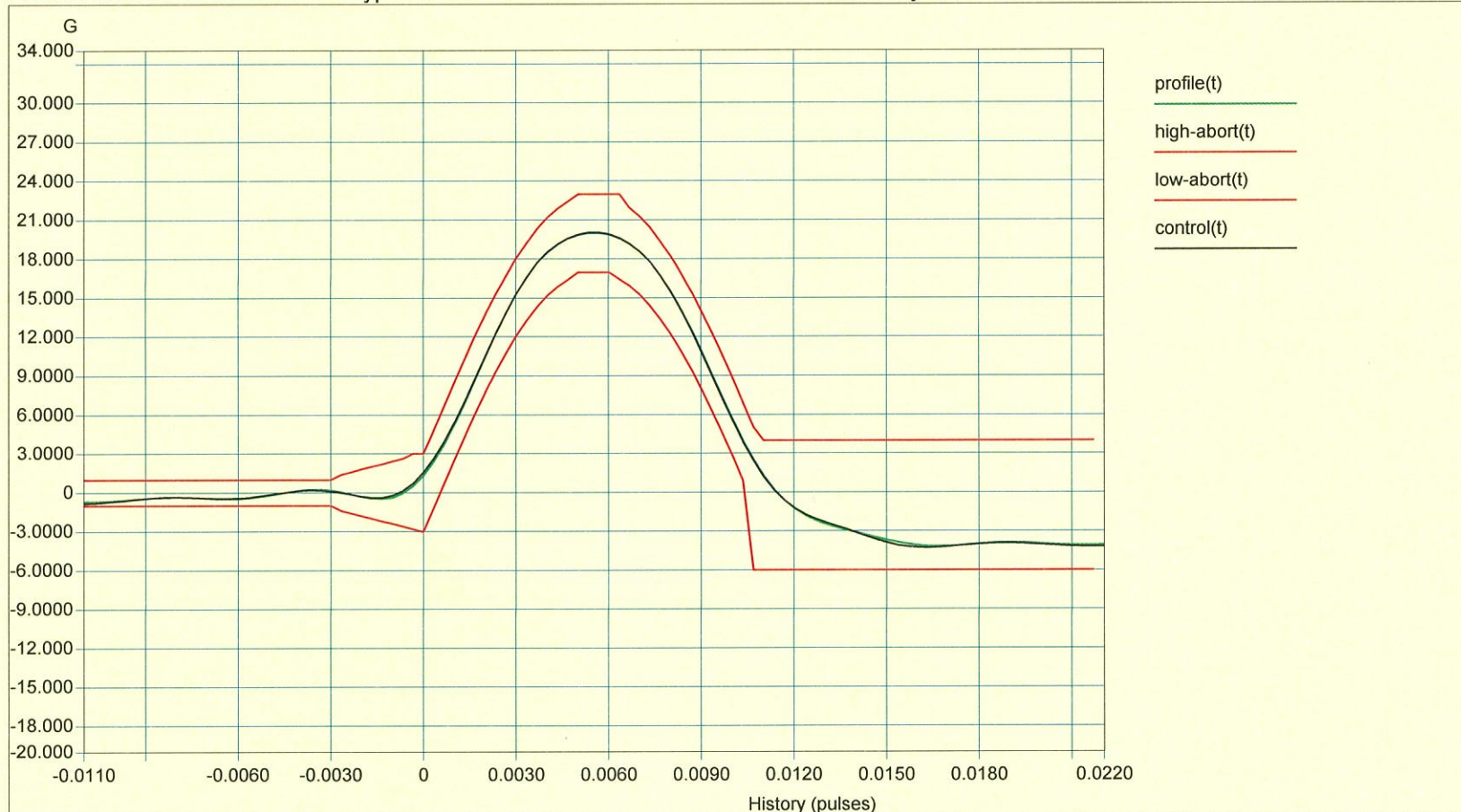
Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.100573 G Control RMS: 2.061667 G Full Level Elapsed Pulses: 3  
 dT: 0.000333 Seconds Demand Peak: 20.000000 G Demand RMS: 2.045214 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



-Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\Run May 07,2014 11-26-58



Level: 100 % Block Size: 2048 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 20.027855 G Control RMS: 2.059230 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  
 -END-