

KING DESIGN INDUSTRIAL CO., LTD.

RELIABILITY TEST LABORATORY

5F, 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-120725-1

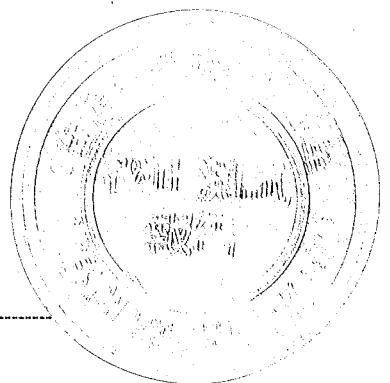
COMPANY : AAeon Technology Inc.
ADDRESS : 5F, No.135, Lane 235, Pao Chiao Rd.
Hsin-Tien City, Taipei, Taiwan, R. O. C.
TEL : 886-2-8919-1234
FAX : 886-2-8919-1049
SPECIMEN : AHP-2176 (with SATA HDD)
DATE OF RECEIVED : 2012/07/24
DATE OF TESTED : 2012/07/24

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

Test Engineer : <i>Yi Hai Lai</i>	
Approval Signatory <i>2012.7.26 David Lee</i>	Laboratory Head : <i>Cheng</i> <i>Kein Tai</i>



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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:4208 |

TEST ENVIRONMENT :

- | | |
|-------------------|---------------------|
| Temperature | : 24.0°C (25±10°C) |
| Relative Humidity | : 54%RH (50±25% RH) |

SPECIMEN :

- | | |
|----------|----------------------------|
| Model | : AHP-2176 (with 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 ⁽¹⁾	√	---	---
Appearance check ⁽²⁾	√	---	---

(1)—Bootling function was normal after the test.

(2)—No visible damages were found.

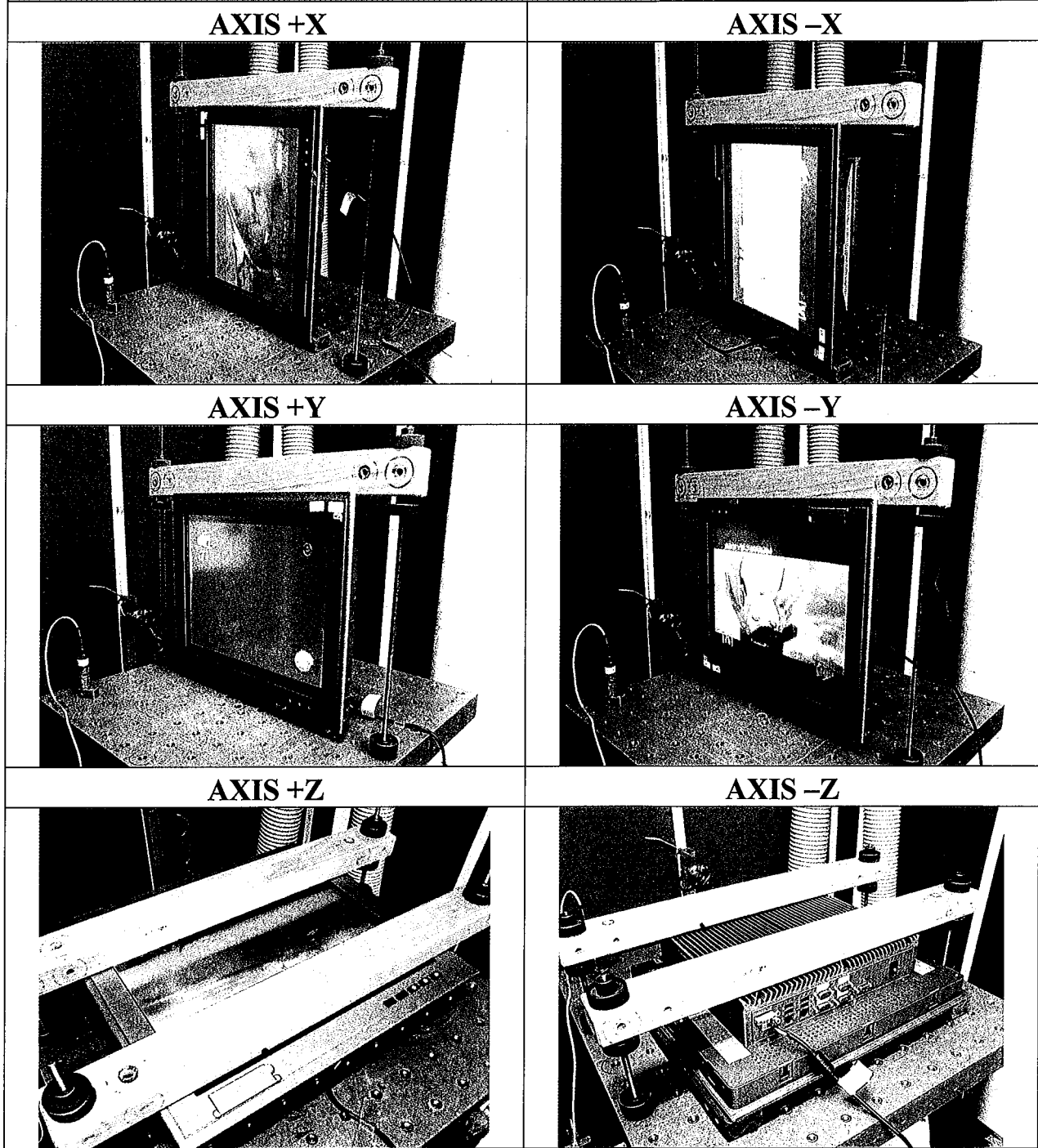
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Testing photos



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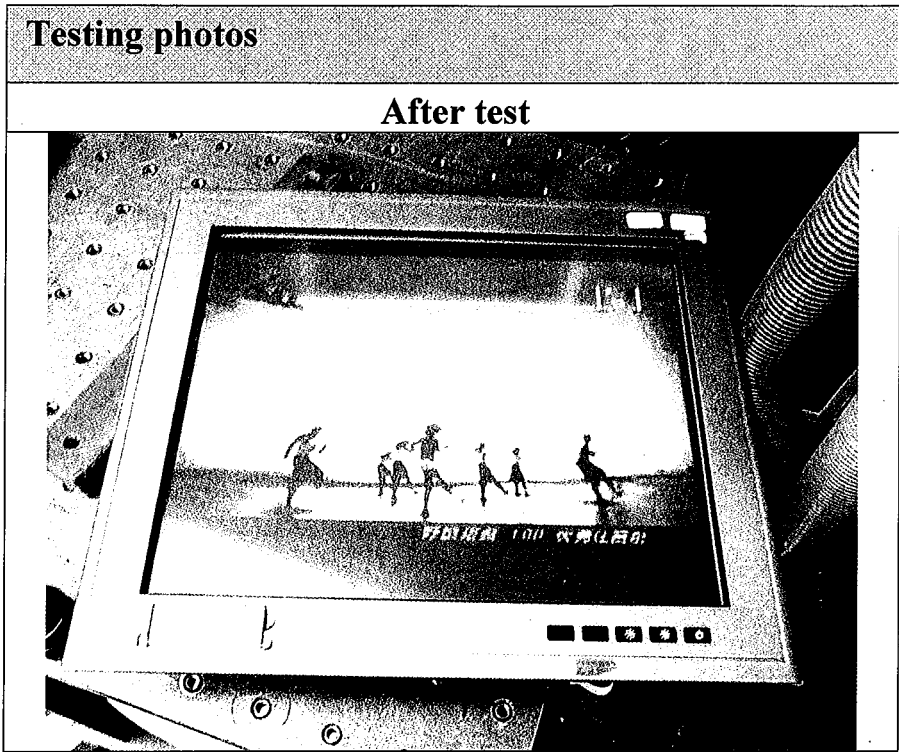
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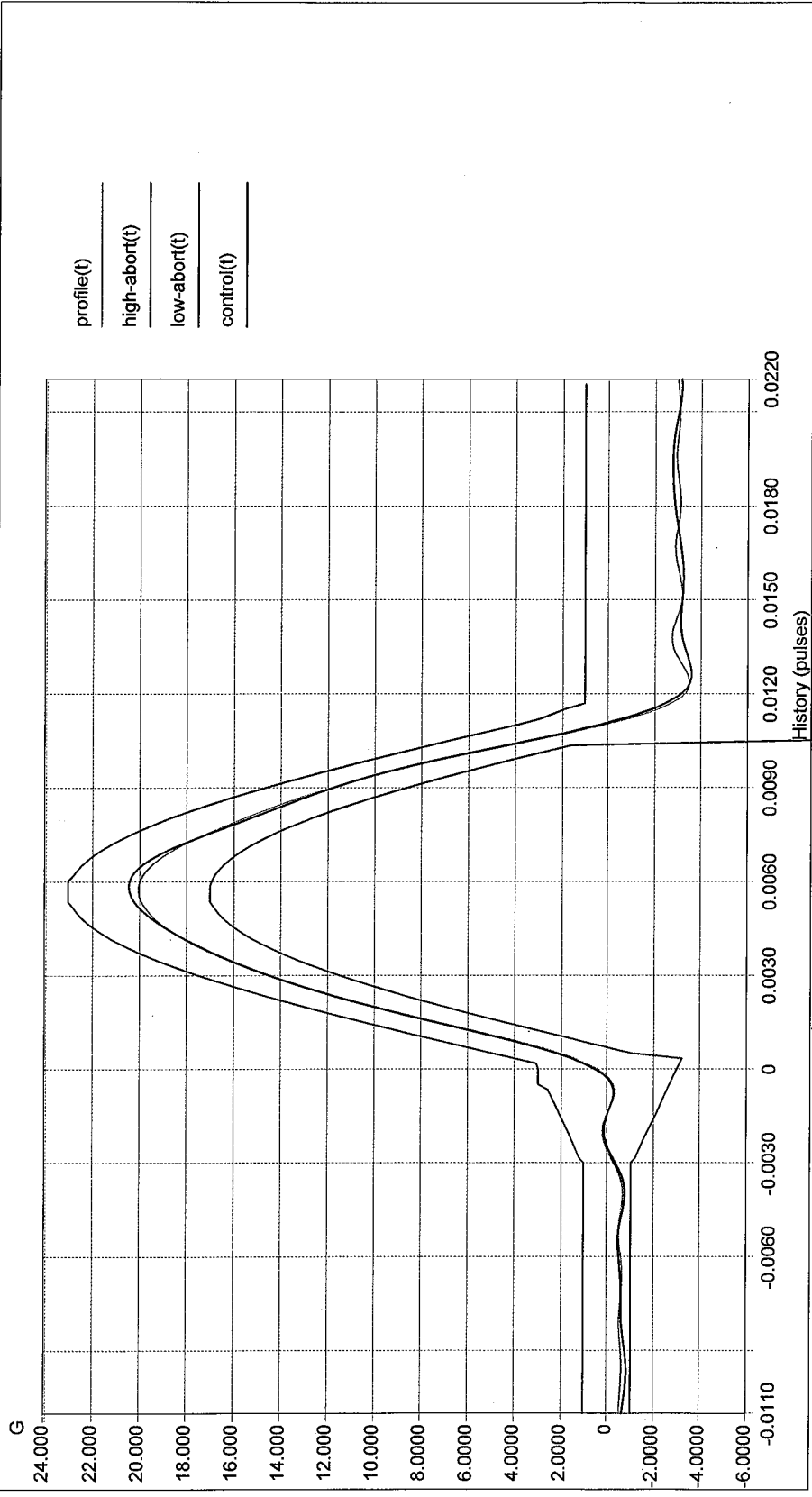


空騎

+X Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: \Run Jul 24, 2012 10-14-32



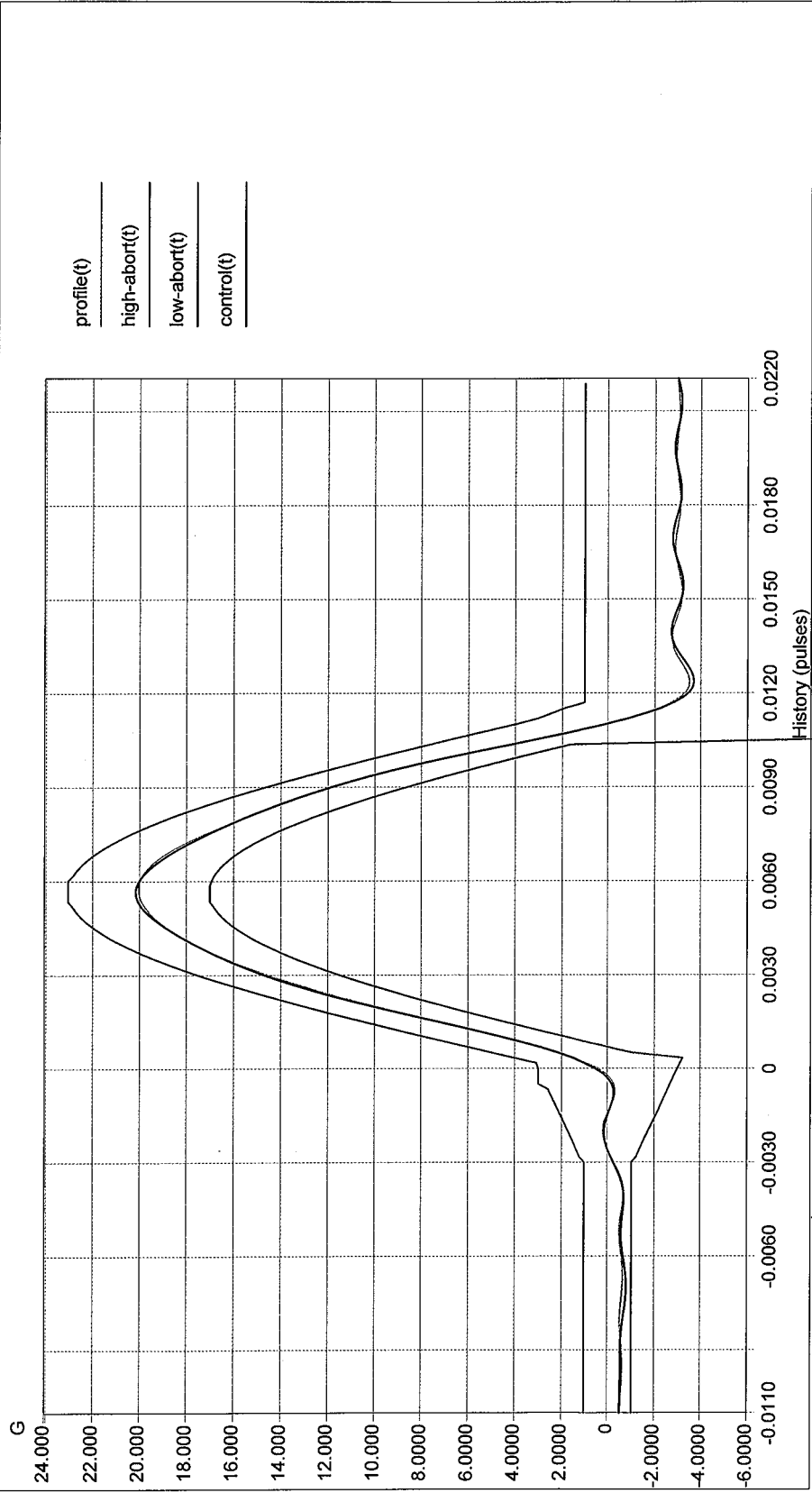
Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.419514 G Control RMS: 2.016865 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



-X Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 24, 2012 10-12-47



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.117950 G Control RMS: 2.008007 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms



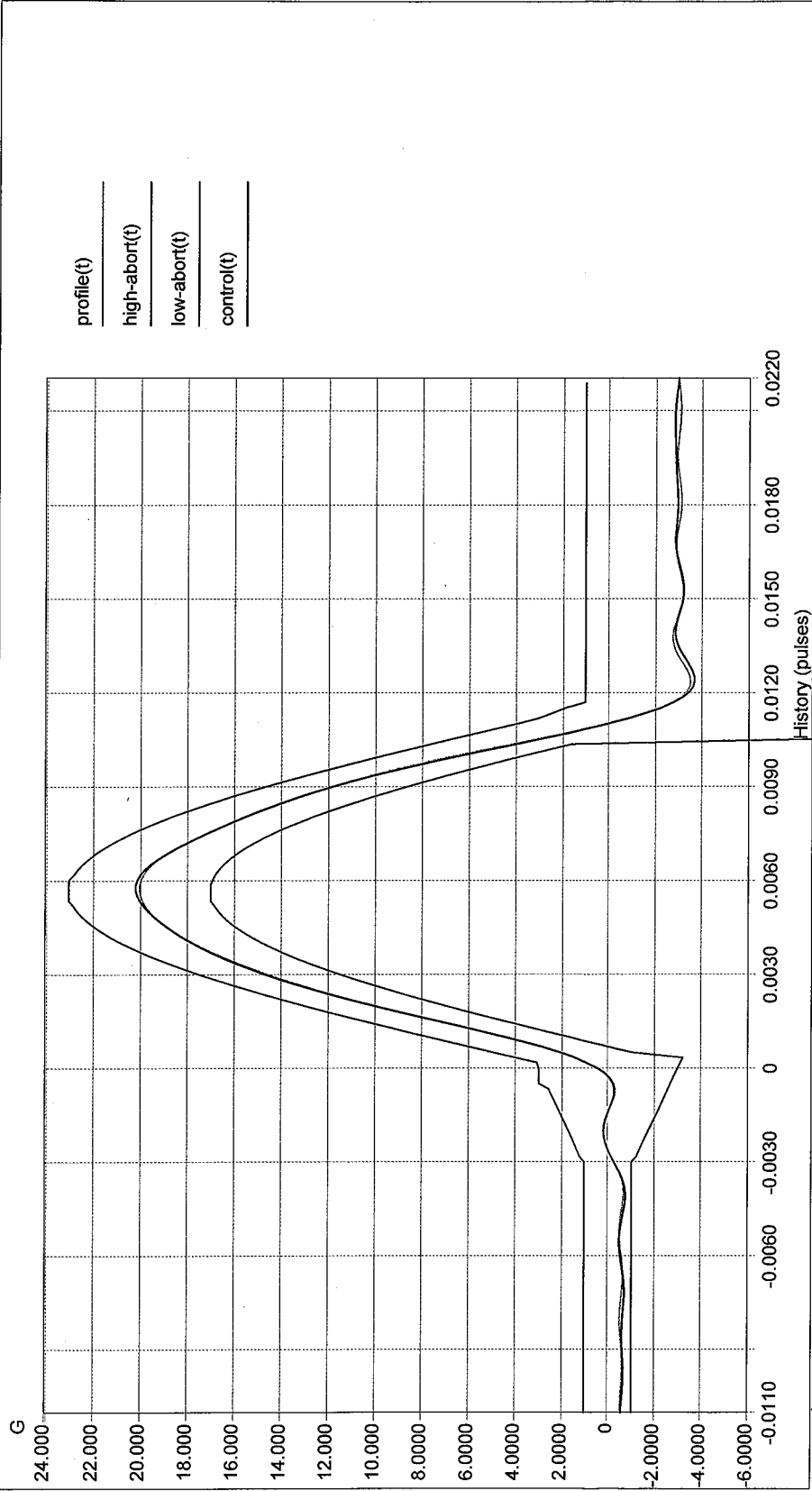
+Y Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jul 24, 2012 10-20-47



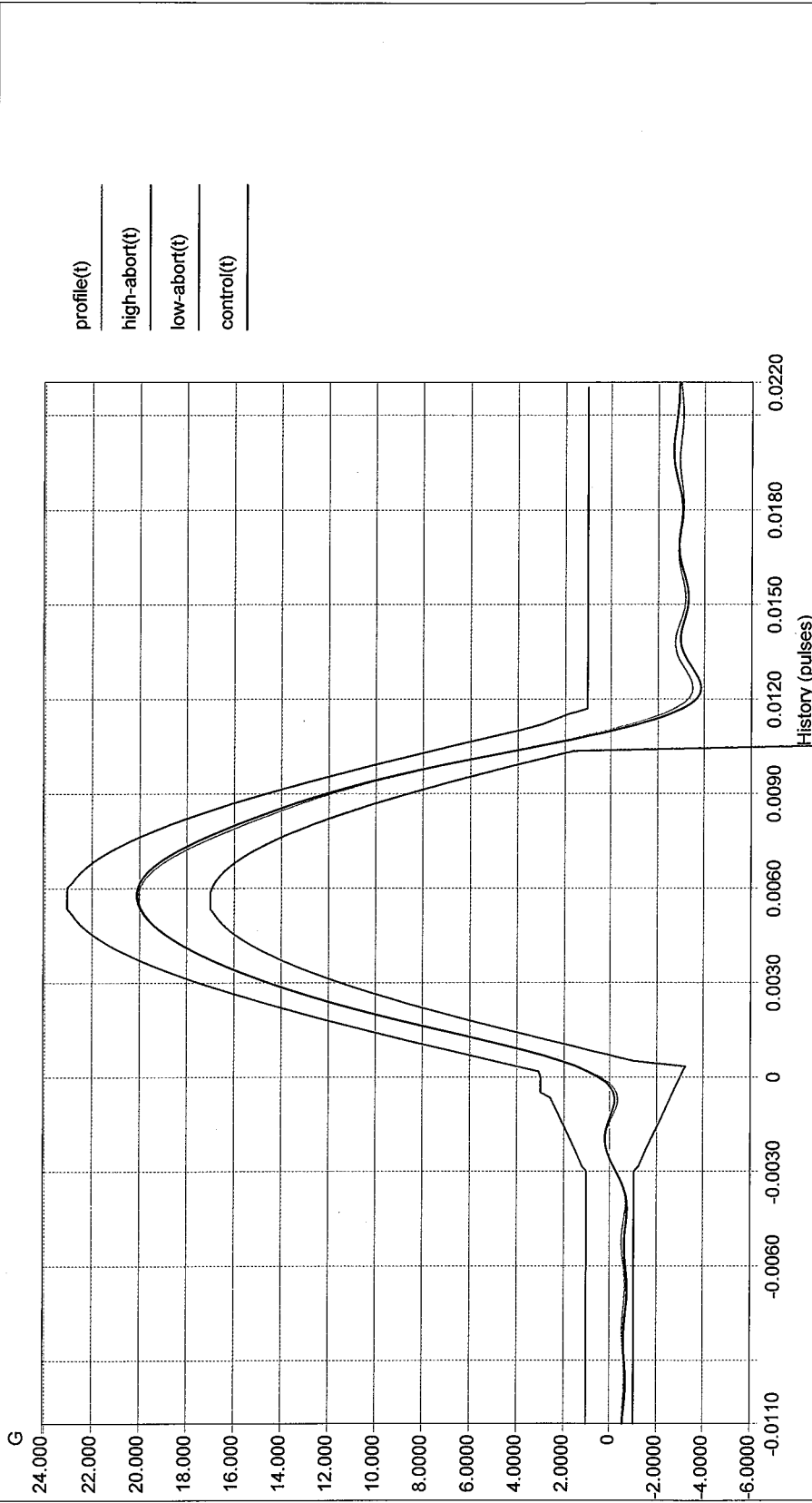
Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.165024 G Control RMS: 2.010698 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

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-Y Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 24, 2012 10-18-11



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.074217 G Control RMS: 2.019866 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms





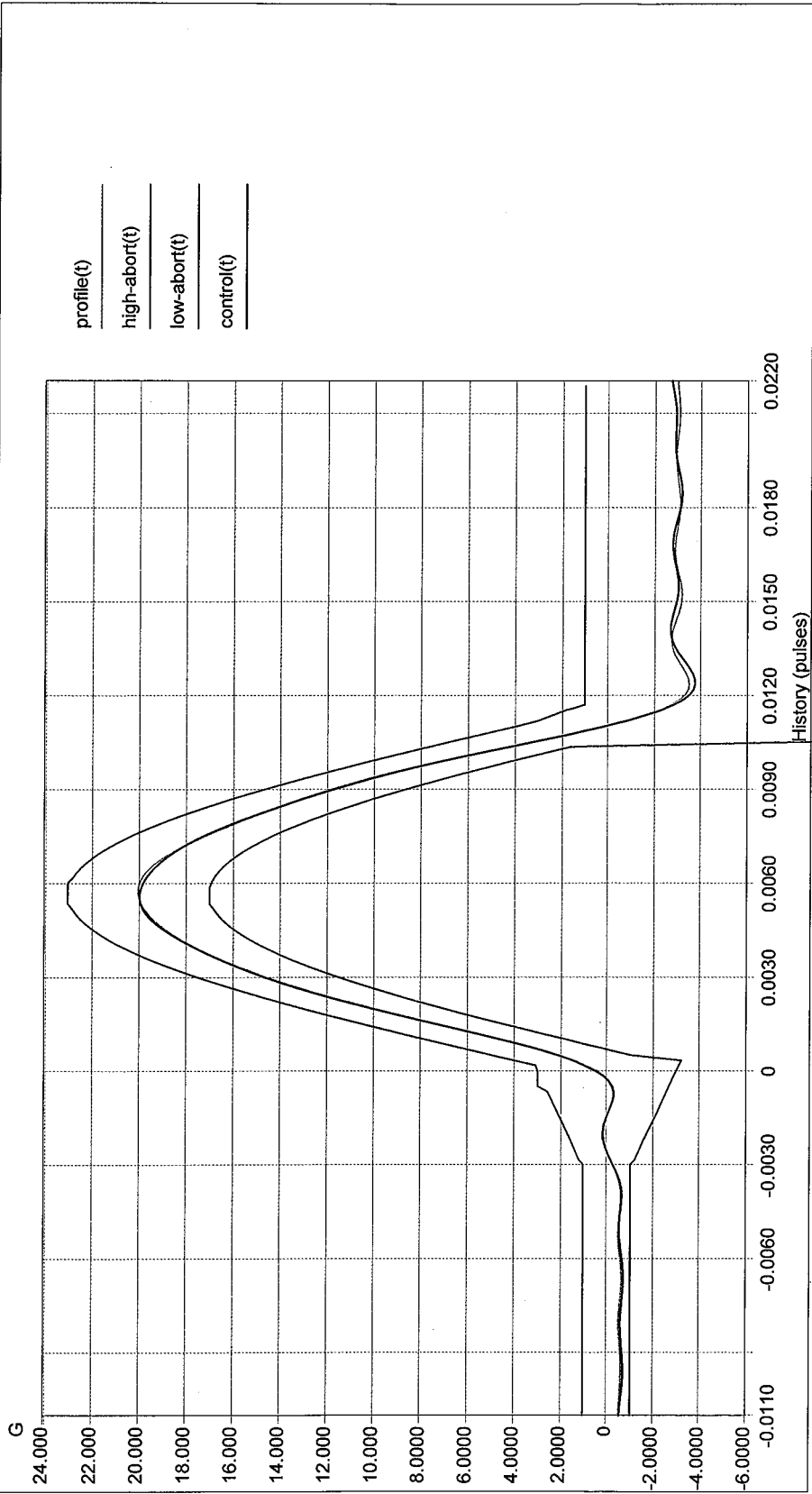
+Z Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jul 24, 2012 10-27-14



Level: 100 % Block Size: 4096 Elapsed Pulses: 12

Frame Time: 0.682667 Seconds Control Peak: 19.939741 G Control RMS: 2.006499 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0

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



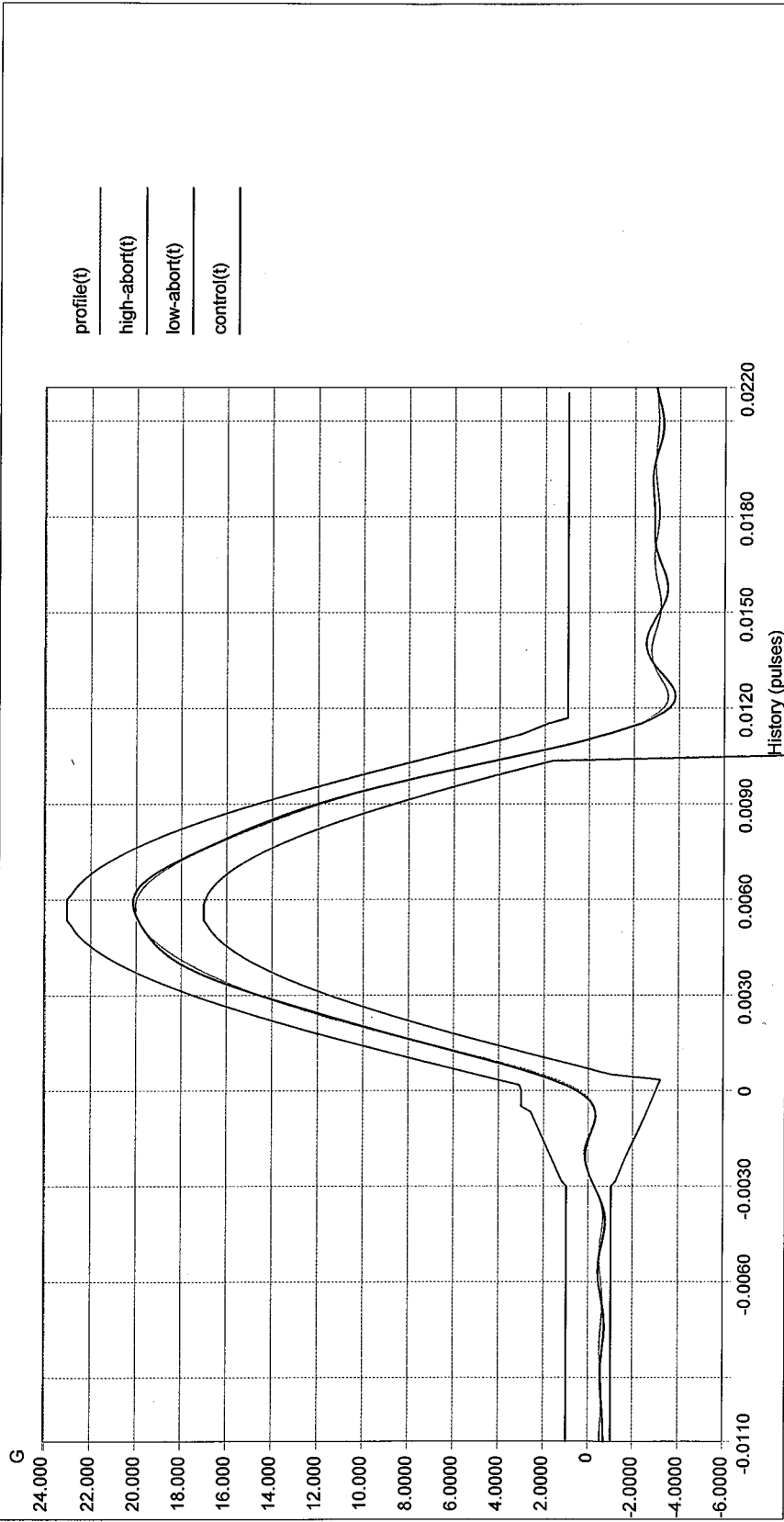
-Z Axis

Project File Name: 20g 11mS.prj

Profile Name: 20G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jul 24,2012 10-24-02



Level: 100 % Block Size: 4096 Elapsed Pulses: 12

Frame Time: 0.682667 Seconds Control Peak: 20.100174 G Control RMS: 2.020057 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.988153 G Remaining Pulses: 0

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

-END-

