

KING DESIGN INDUSTRIAL CO., LTD.

RELIABILITY TEST LABORATORY

5F, 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-120405-1

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-2153 (with 2.5" SATA HDD)

DATE OF RECEIVED : 2012/04/05

DATE OF TESTED : 2012/04/05

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.

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Test Engineer : <i>Yi Kai Lai</i>	
Approval Signatory : <i>David Lee</i>	Laboratory Head : <i>Hintai Chang</i>



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TESTING EQUIPMENT :

- | | |
|-------------------------|---|
| 1.Vibration Tester | : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783 |
| 2.Controller | : DACTRON COMET USB, S/N:9478158 |
| 3.Control Accelerometer | : WILCOXON RESEARCH, Model:784A, S/N:23116 |

TEST ENVIRONMENT :

- | | |
|-------------------|---------------------|
| Temperature | : 24.2°C (25±10°C) |
| Relative Humidity | : 60%RH (50±25% RH) |

SPECIMEN :

- | | |
|----------|---------------------------------|
| Model | : AHP-2153 (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 :

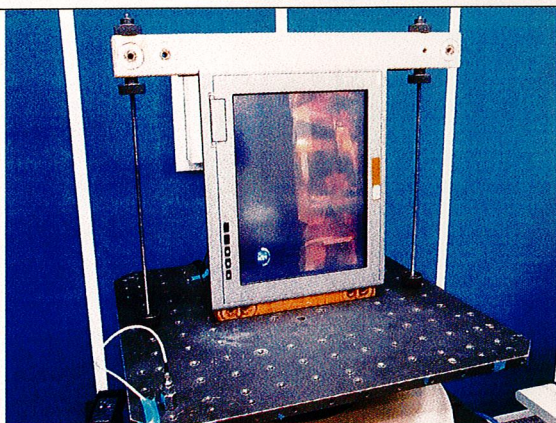
Describe	PASS	FAIL	Non-Judgment
Function judgment ⁽¹⁾	√	---	---
Appearance check ⁽²⁾	√	---	---

- (1)—Booting function was normal after the test.
 (2)—No visible damages were found.

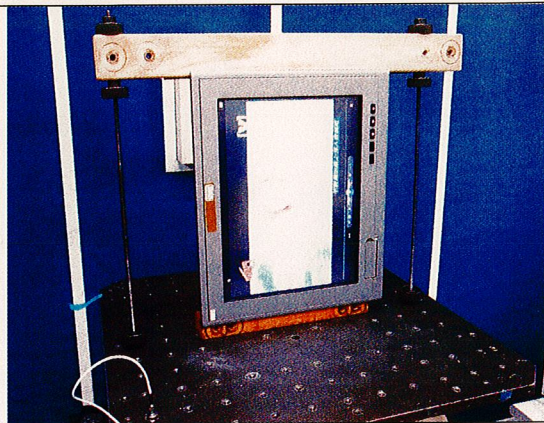
TESTING / INSPECTION REPORT

Testing photos

AXIS +X



AXIS -X



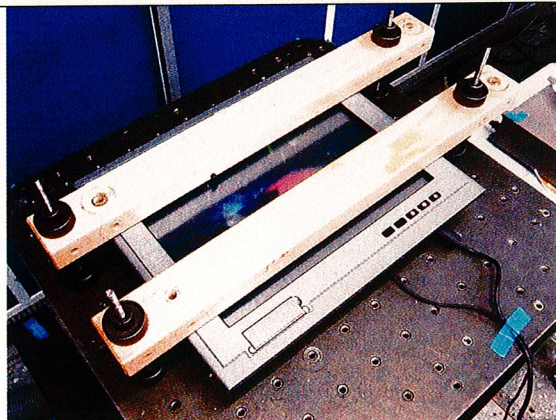
AXIS +Y



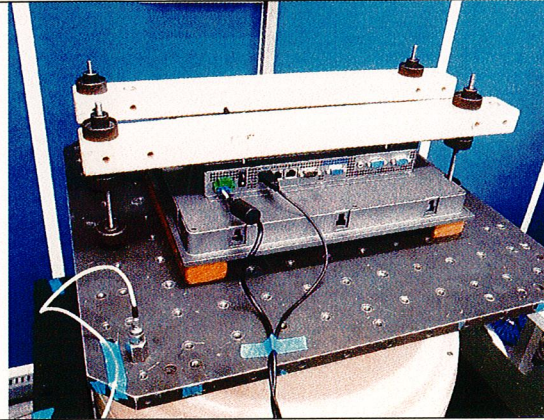
AXIS -Y



AXIS +Z



AXIS -Z

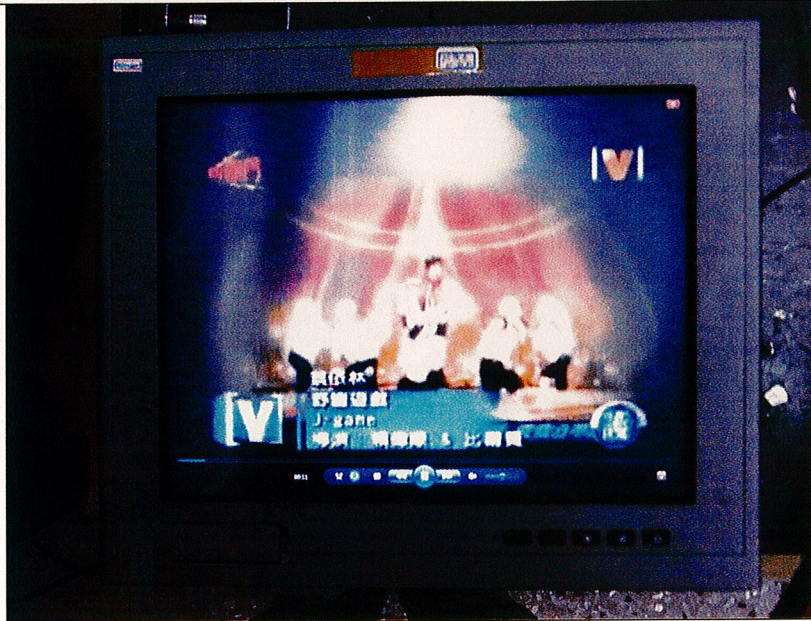


實驗

TESTING / INSPECTION REPORT

Testing photos

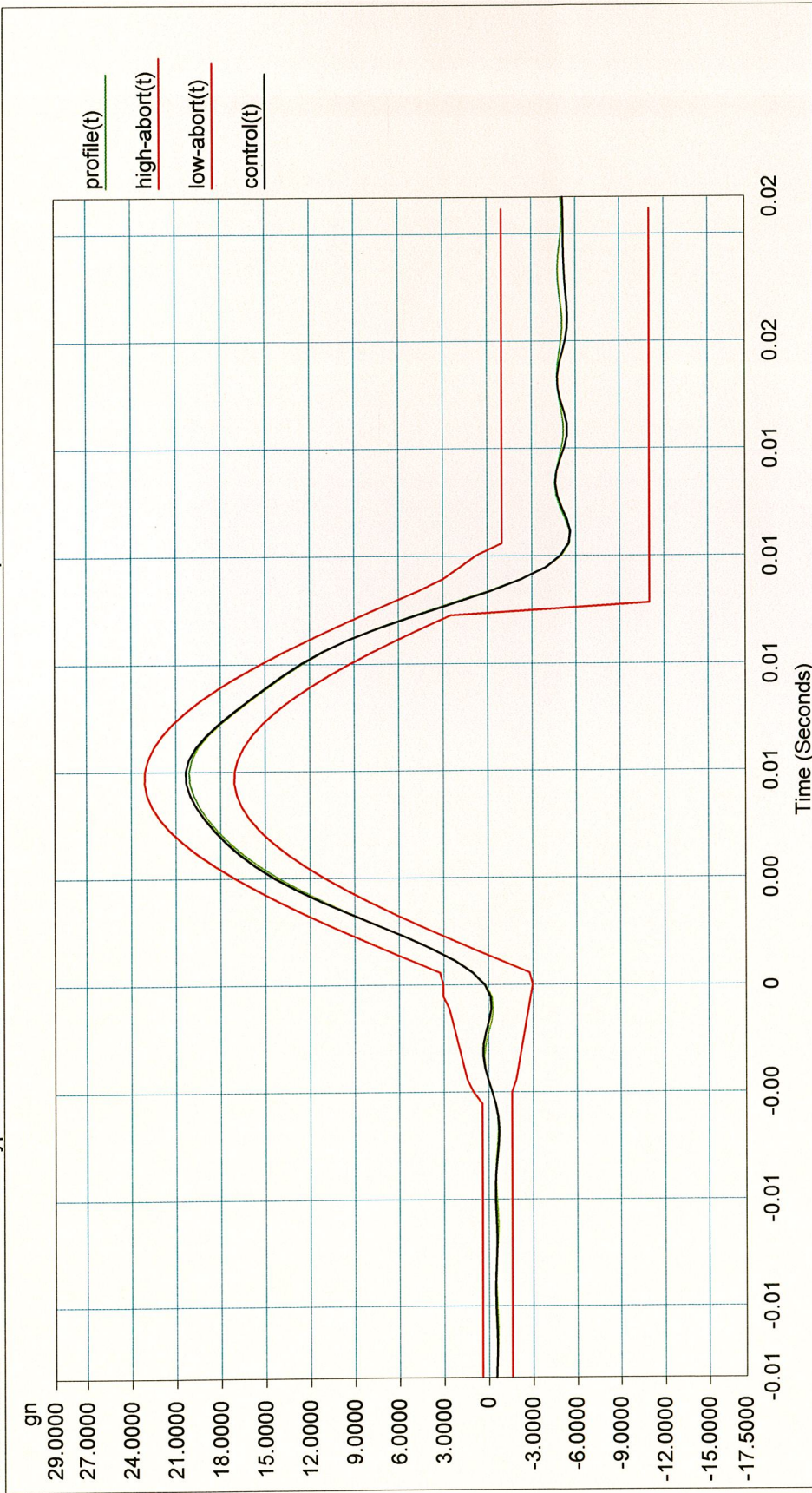
After test



+X Axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Apr 05, 2012 10-26-44



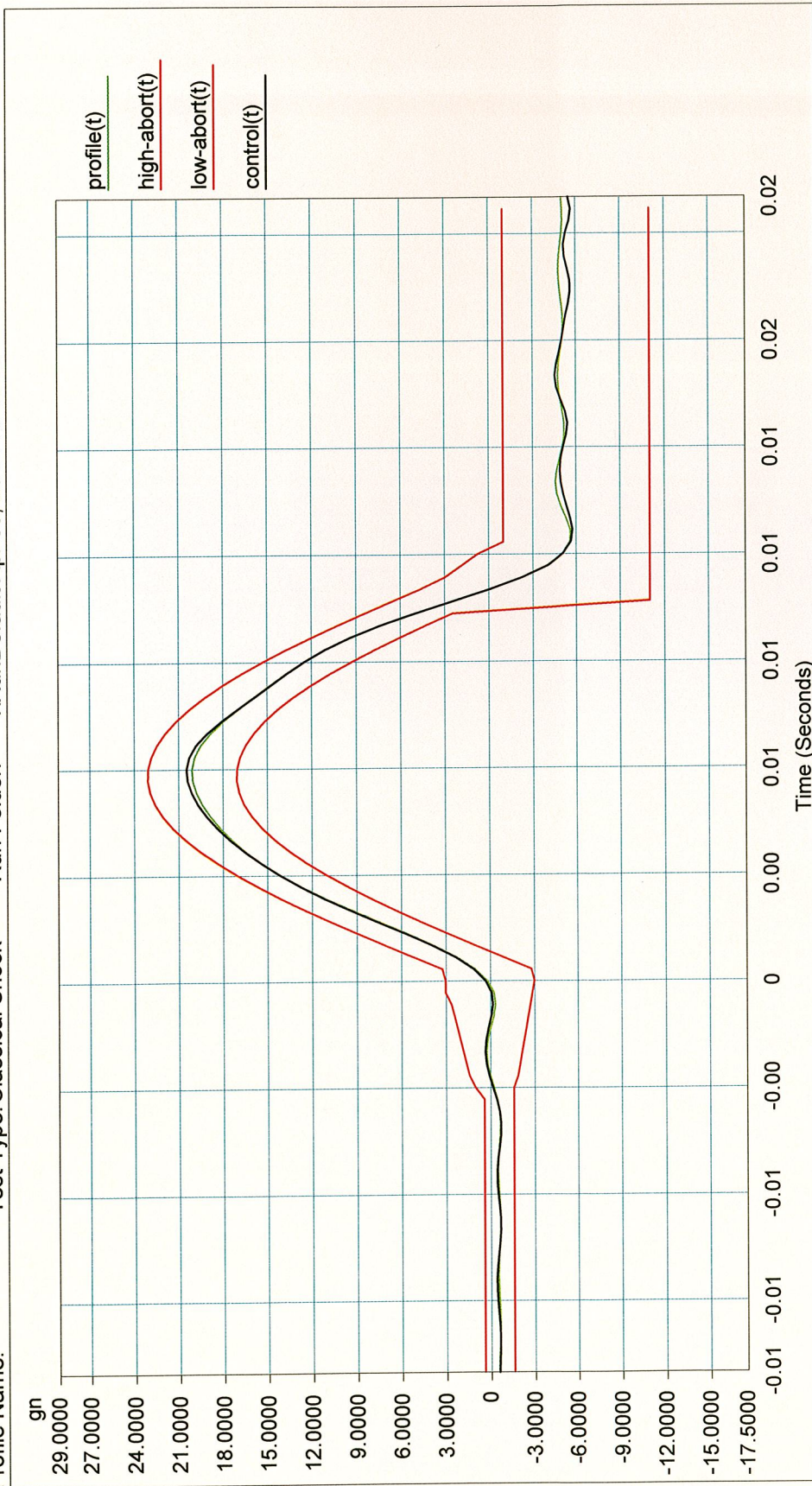
Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.222797 Control RMS: 2.241282 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-X Axis

Project File Name: 20g 11mS.pri

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Apr 05, 2012 10-31-29



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

Frame Time: 0.682667 Seconds Control Peak: 20.378151 Control RMS: 2.241457 Full Level Elapsed Pulses: 3

dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0

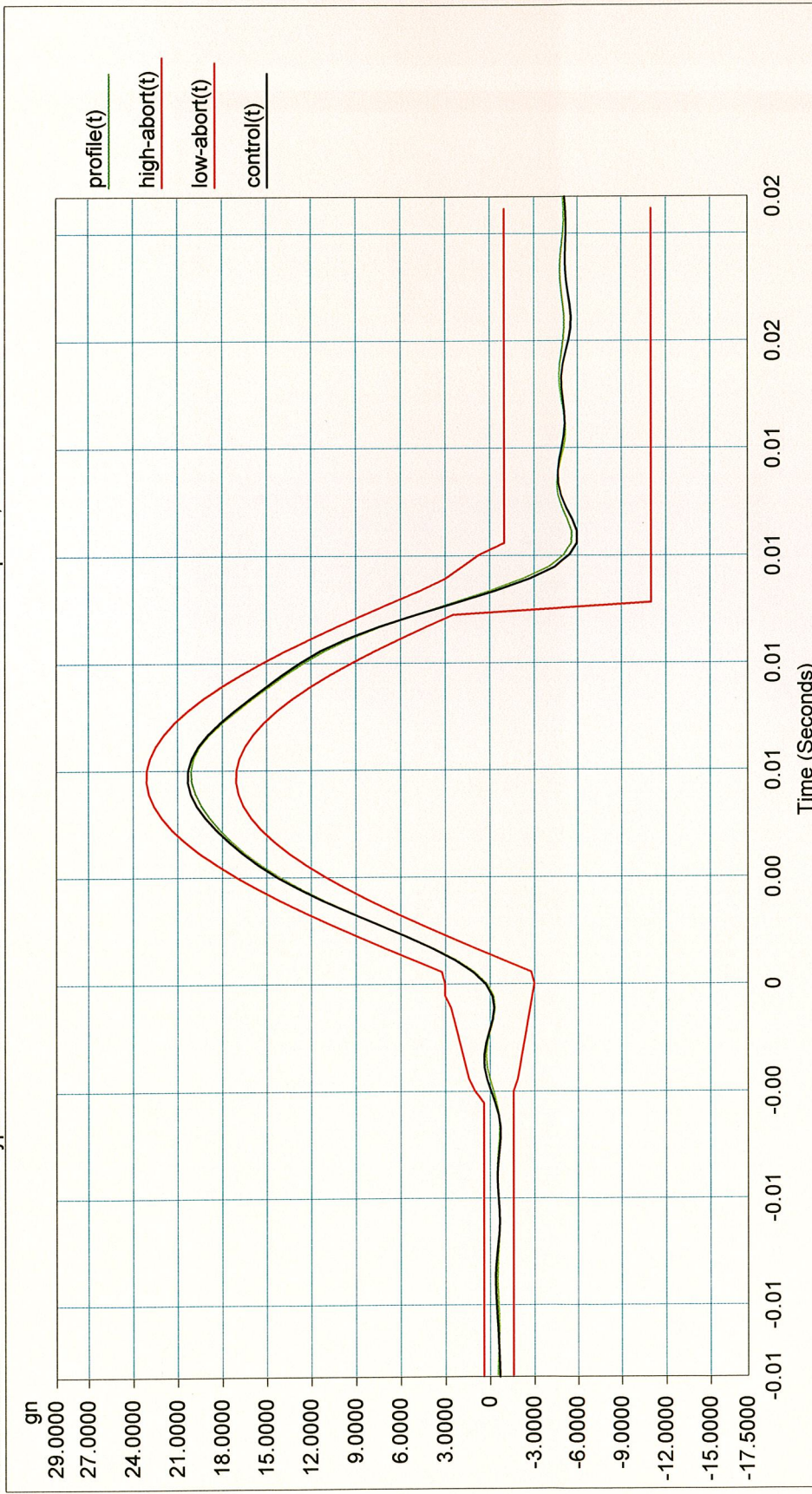
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



+Y Axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Apr 05, 2012 10-36-26



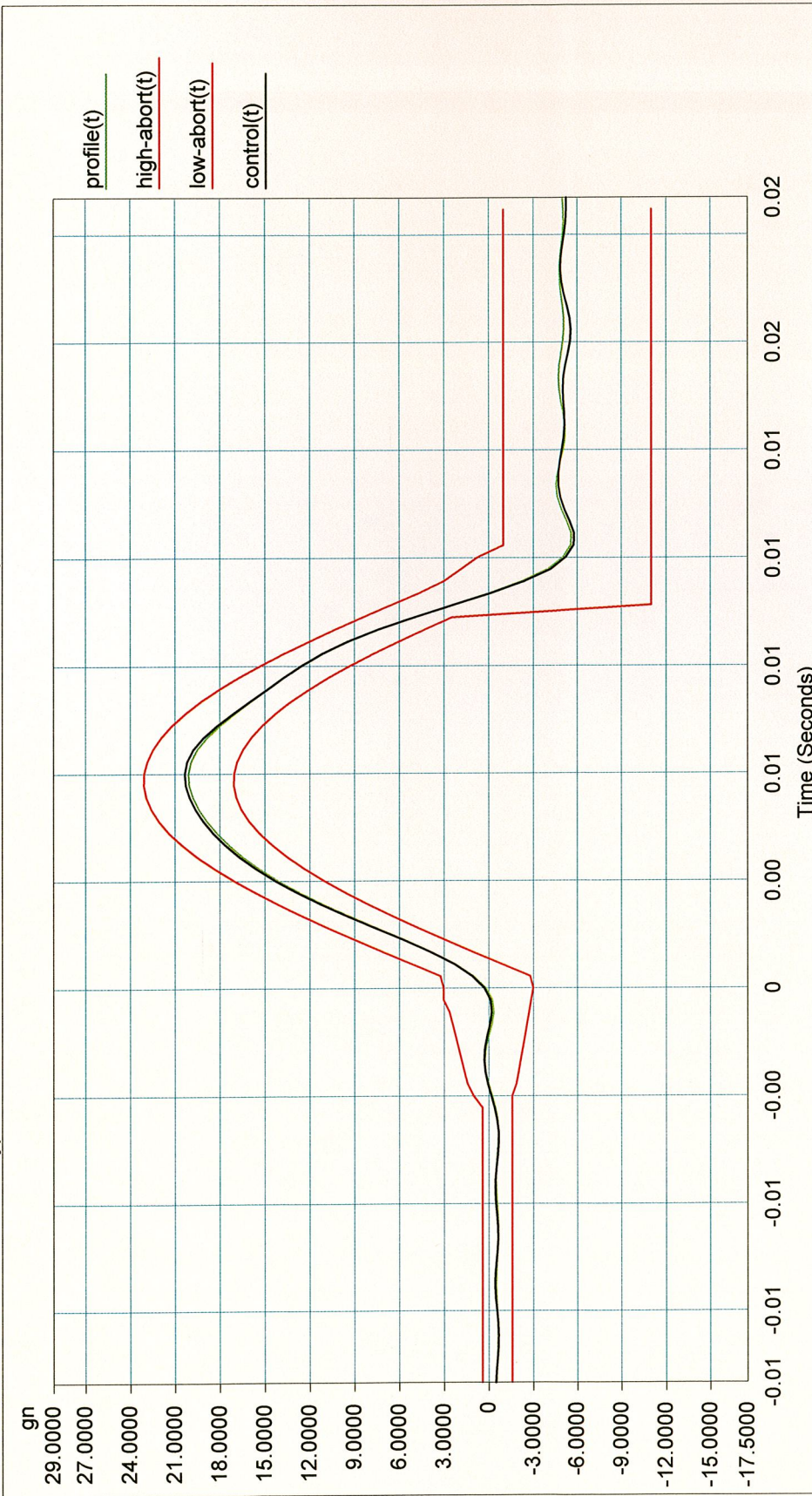
Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.209520 Control RMS: 2.241129 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Y Axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault_Apr 05, 2012 10-39-53



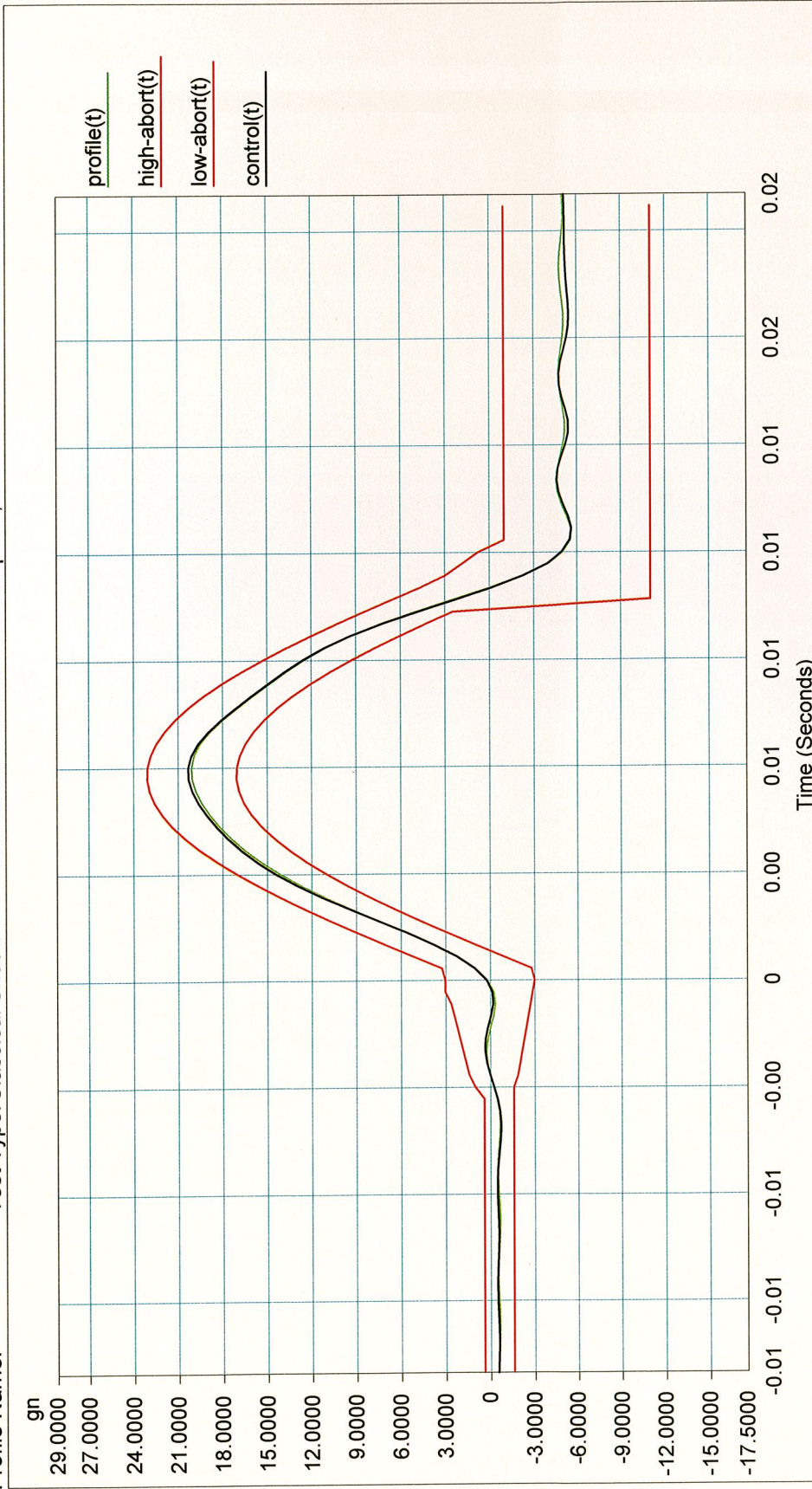
Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.249838 Control RMS: 2.244529 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



+Z Axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Apr 05, 2012 10-43-57



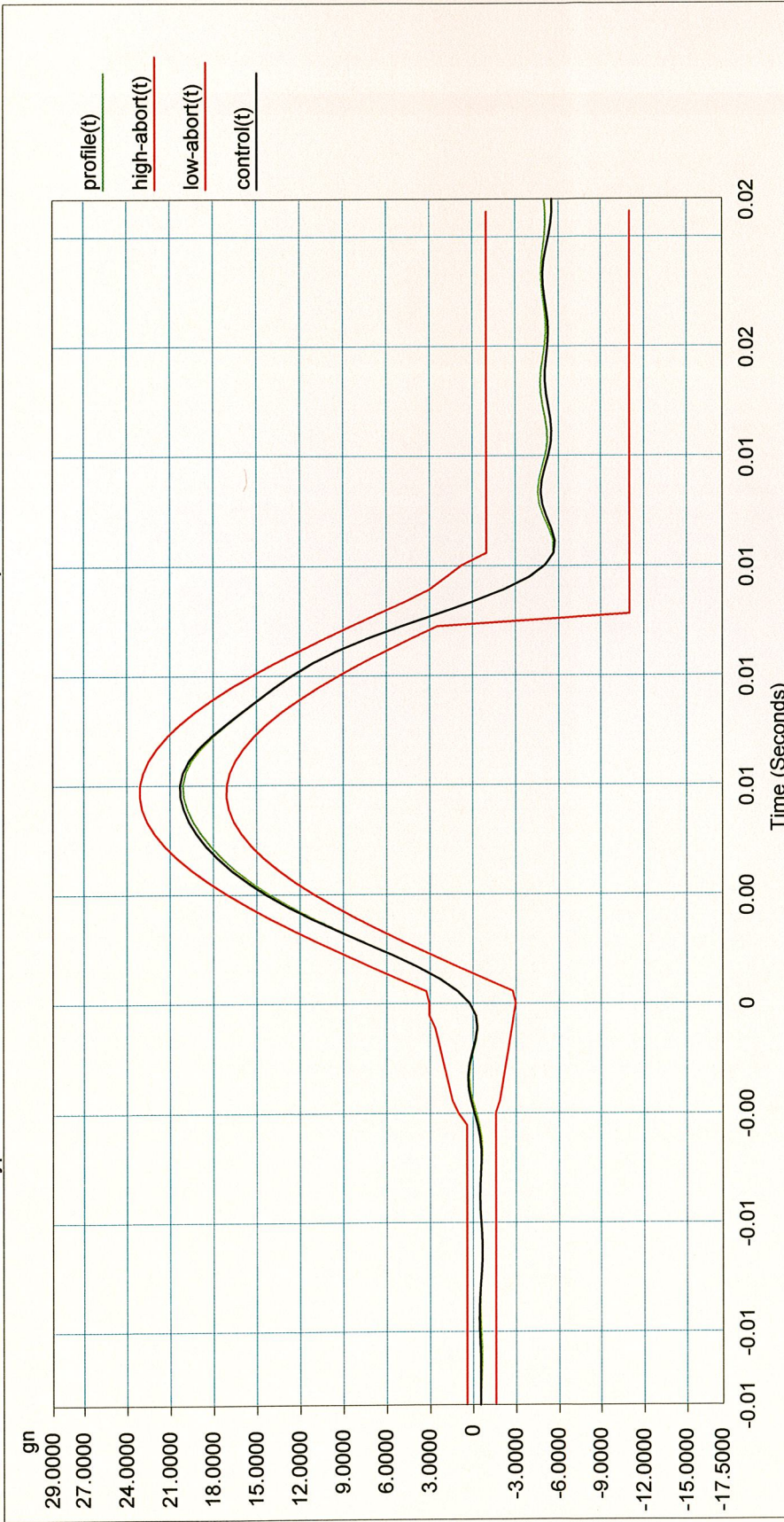
Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.850433 Control RMS: 2.245467 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Z Axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Apr 05, 2012 10-48-46



Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.204313 Control RMS: 2.241378 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.201481 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-END-

