

**TESTING / INSPECTION REPORT**

REPORT NO : ST-130422-3

COMPANY : AAEON Technology Inc.  
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SPECIMEN : ACP-5187 (with SATA HDD)  
DATE OF RECEIVED : 2013/04/19  
DATE OF TESTED : 2013/04/19

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 : <i>Ta Pan</i>	
Approval Signatory <i>2013.4.29 David Lee</i>	Laboratory Head : <i>Cheng Hsin Tai</i>





**TESTING / INSPECTION REPORT****TESTING EQUIPMENT :**

1. Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,  
S/N : GUG02102091
2. Controller : DACTRON LASER USB, S/N : 12448370
3. Control Accelerometer : WILCOXON RESEARCH, Model:784A, S/N:23116

**TEST ENVIRONMENT :**

- Temperature : 23.4°C (25±10°C)
- Relative Humidity : 62 %RH (50±25% RH)

**SPECIMEN :**

- Model : ACP-5187 (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 <sup>(1)</sup>	√	---	---
Appearance check <sup>(2)</sup>	√	---	---

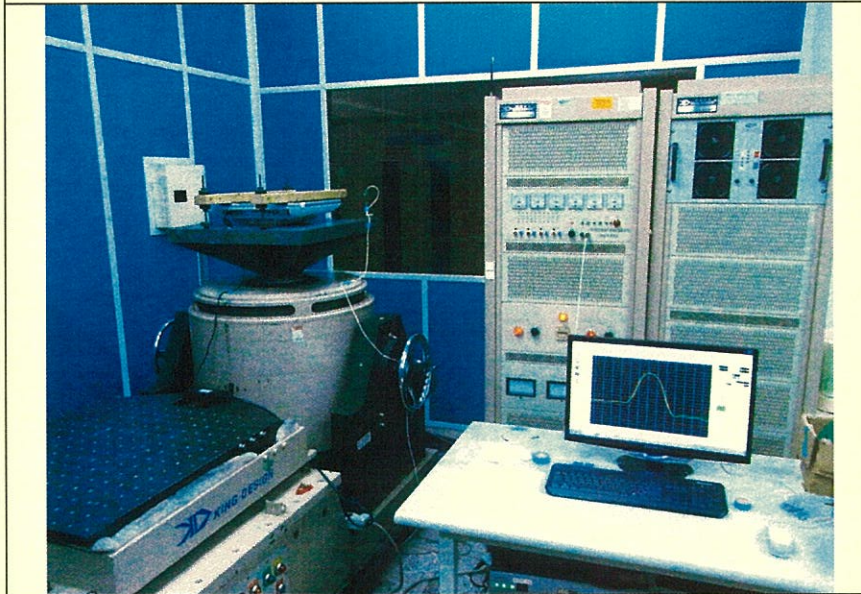
(1)—Booting function was normal after the test.  
(2)—No visible damages were found.



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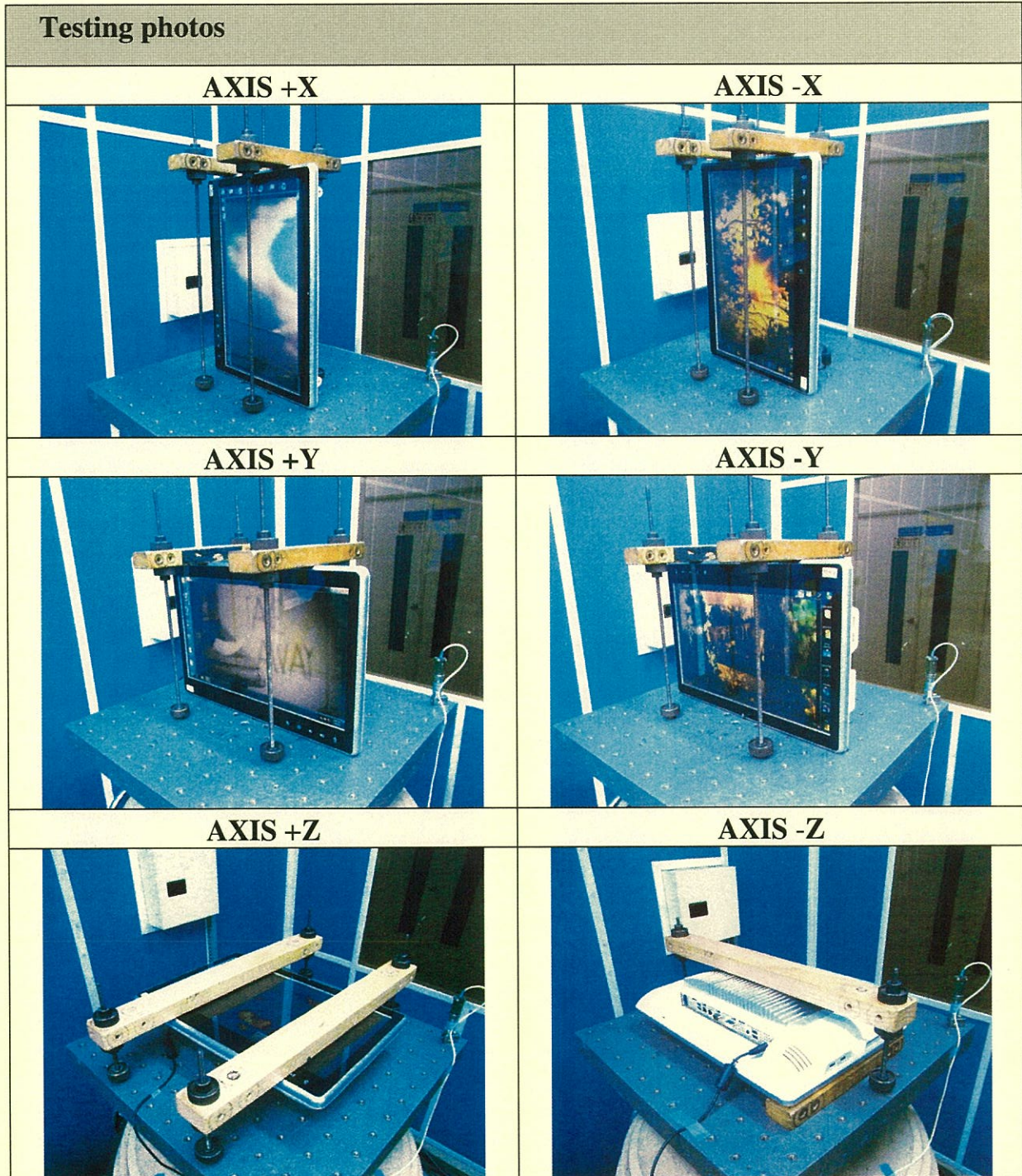
### Testing photos

#### Tester





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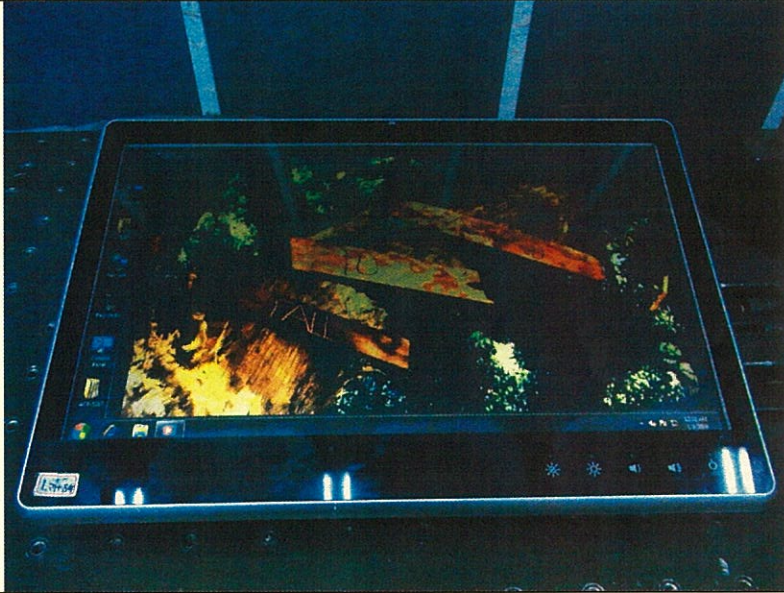




## TESTING / INSPECTION REPORT

### Testing photos

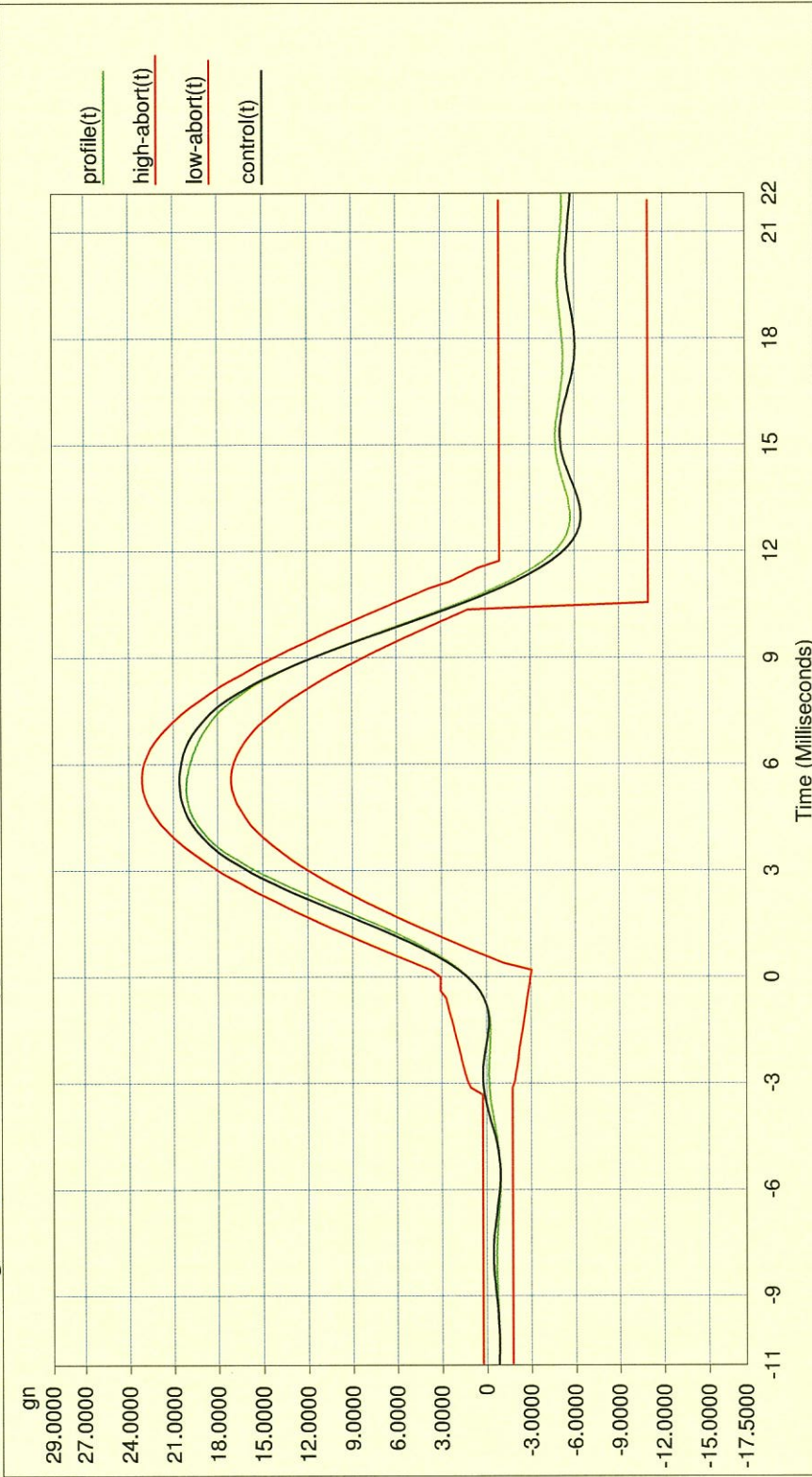
#### After test



+X axis

Project File Name: 20g 11mS Half Sine.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Apr 19, 2013 10-57-53



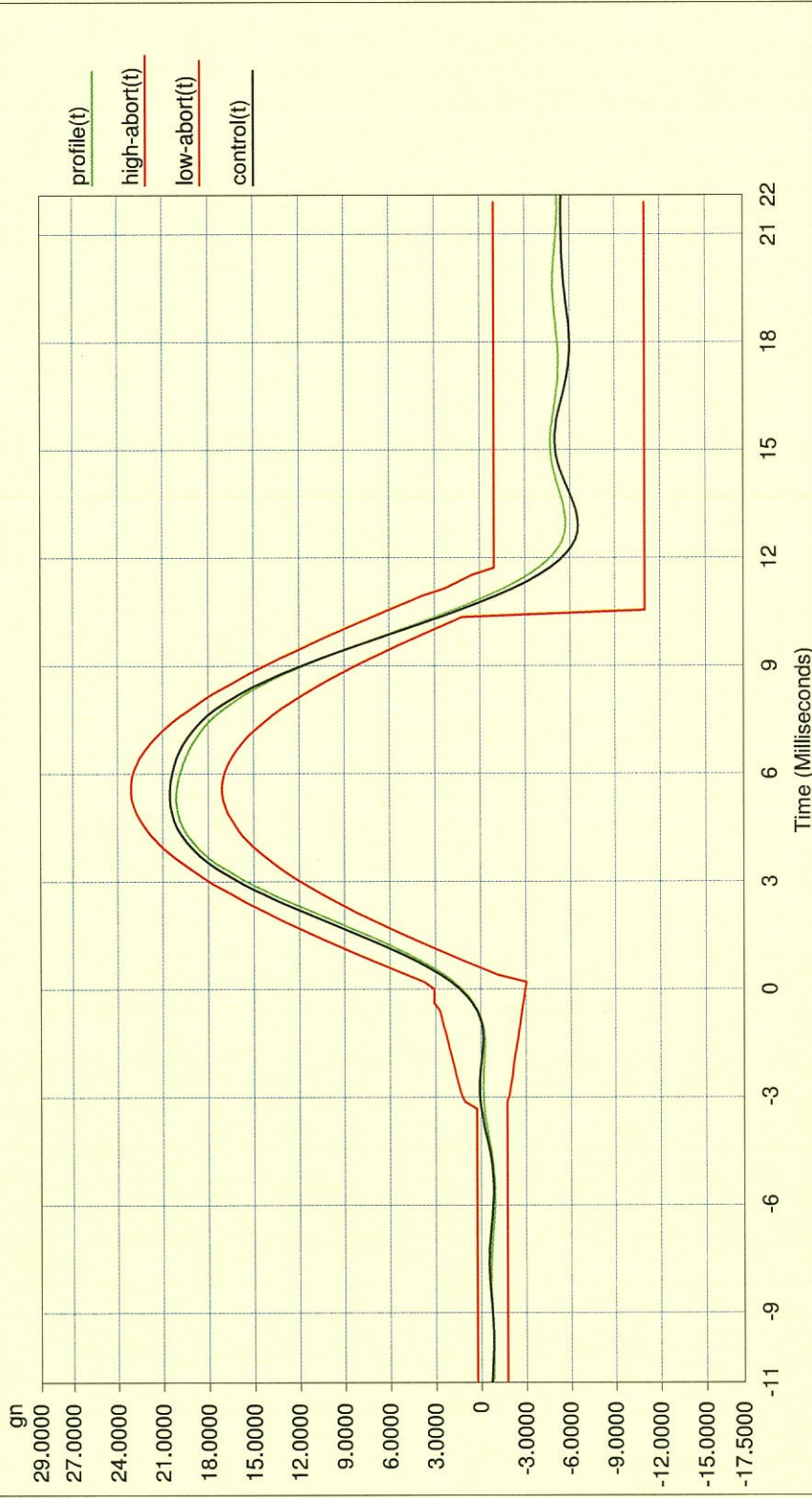
Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 20.477869 Control RMS: 3.064023 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-X axis

Project File Name: 20g 11mS Half Sine.prj

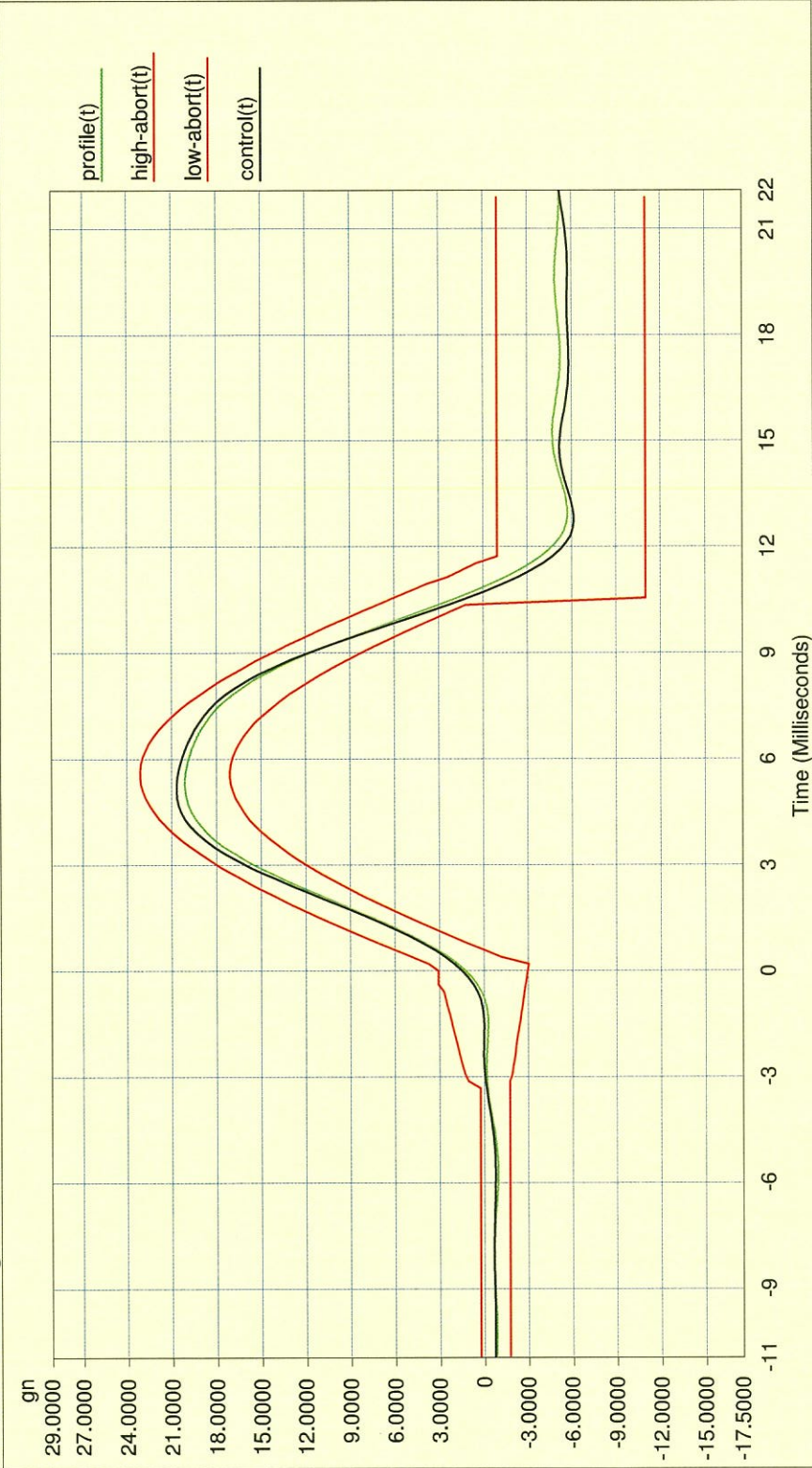
Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 19, 2013 11-00-50



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 20.421677 Control RMS: 3.065415 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



+Y axis  
 Project File Name: 20g 11mS Half Sine.prj  
 Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Apr 19, 2013 10-50-04

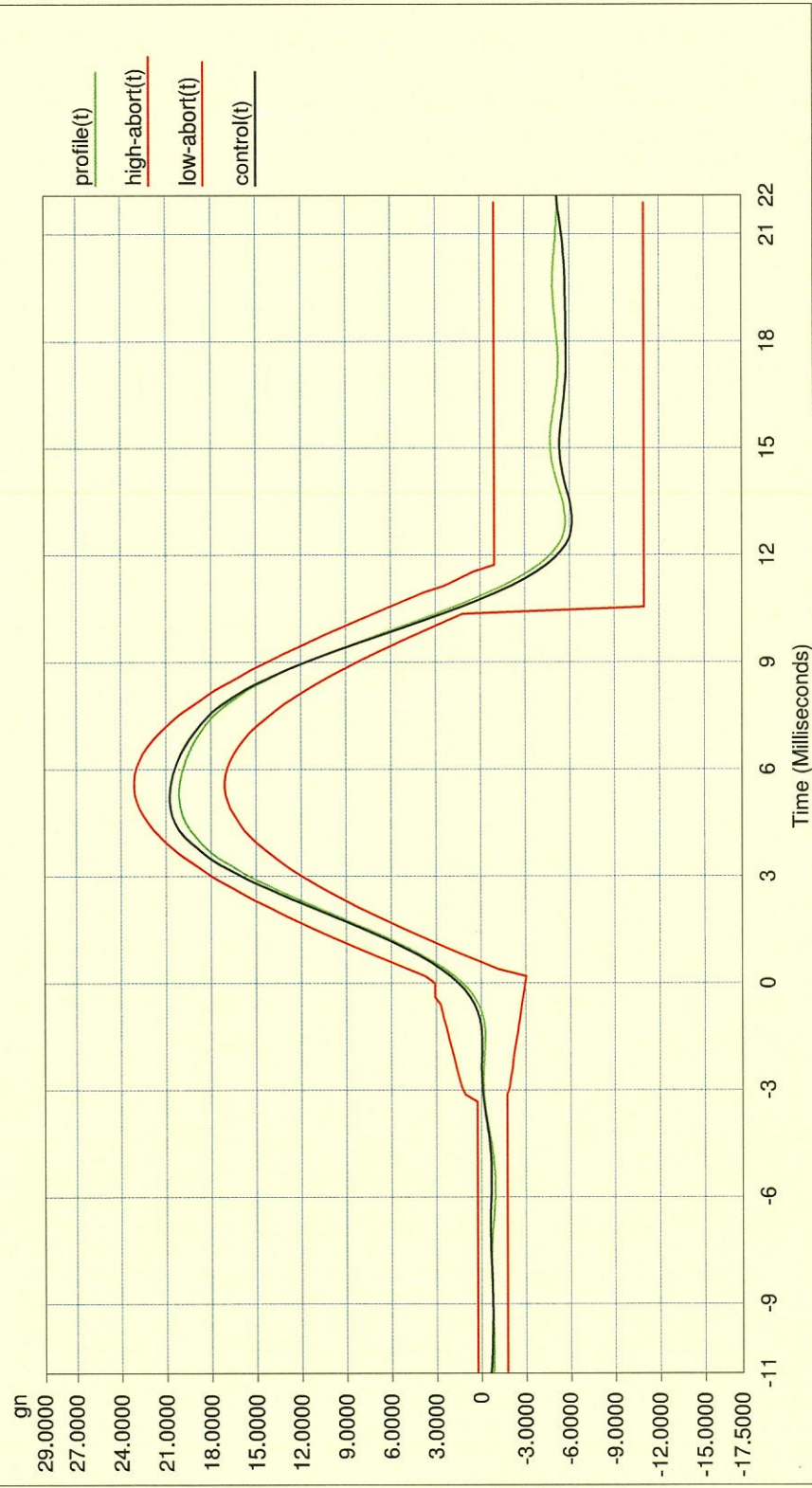


Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
 Frame Time: 0.400000 Seconds Control Peak: 20.580055 Control RMS: 3.065094 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms





-Y axis  
 Project File Name: 20g 11mS Half Sine.prj  
 Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 19, 2013 10-52-05



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 20.657917 Control RMS: 3.059963 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

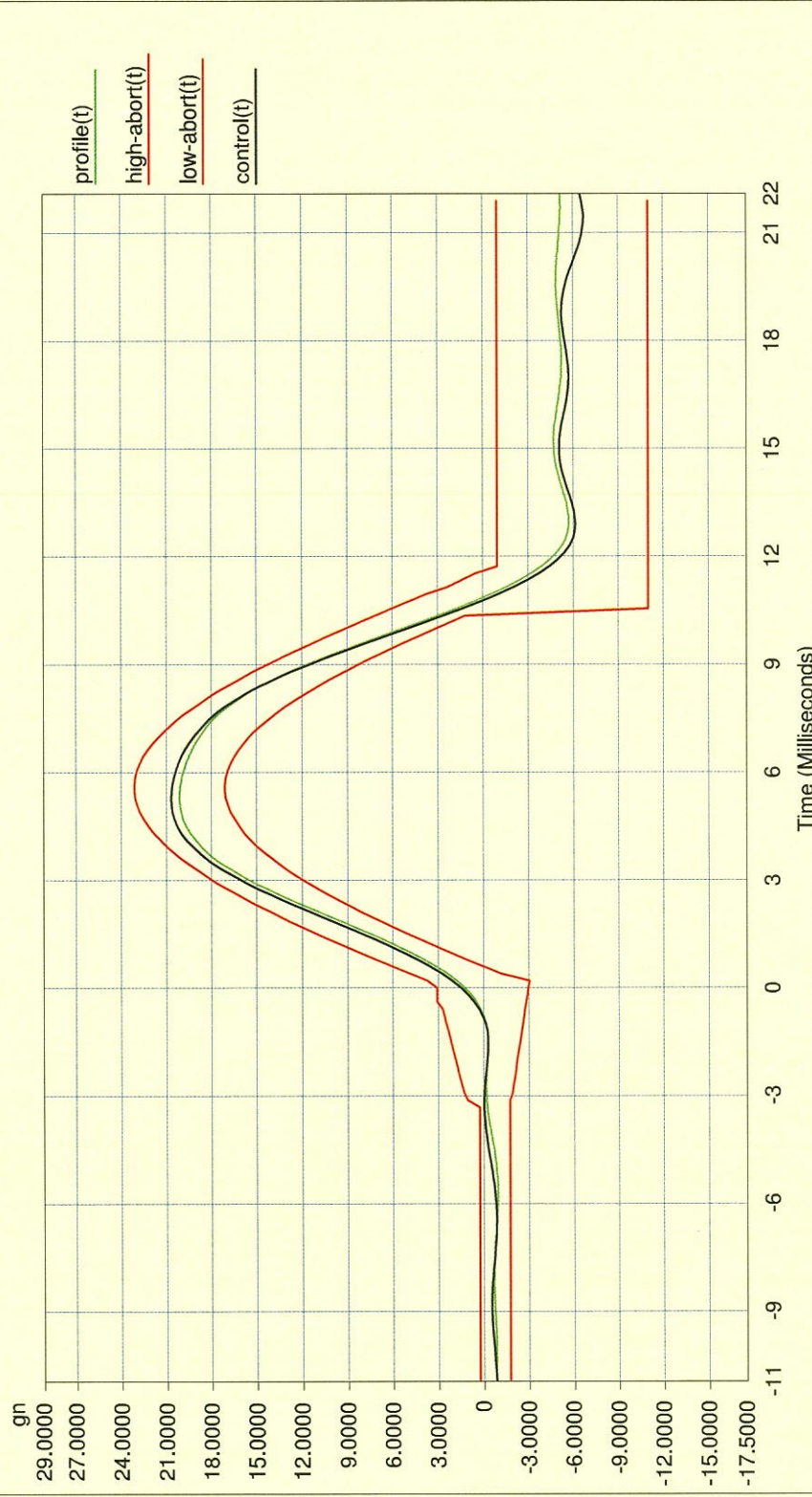




+Z axis

Project File Name: 20g 11mS Half Sine.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 19, 2013 10-32-57



Level: 100 % Block Size: 2048 Elapsed Pulses: 12  
 Frame Time: 0.400000 Seconds Control Peak: 20.587893 Control RMS: 3.062447 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

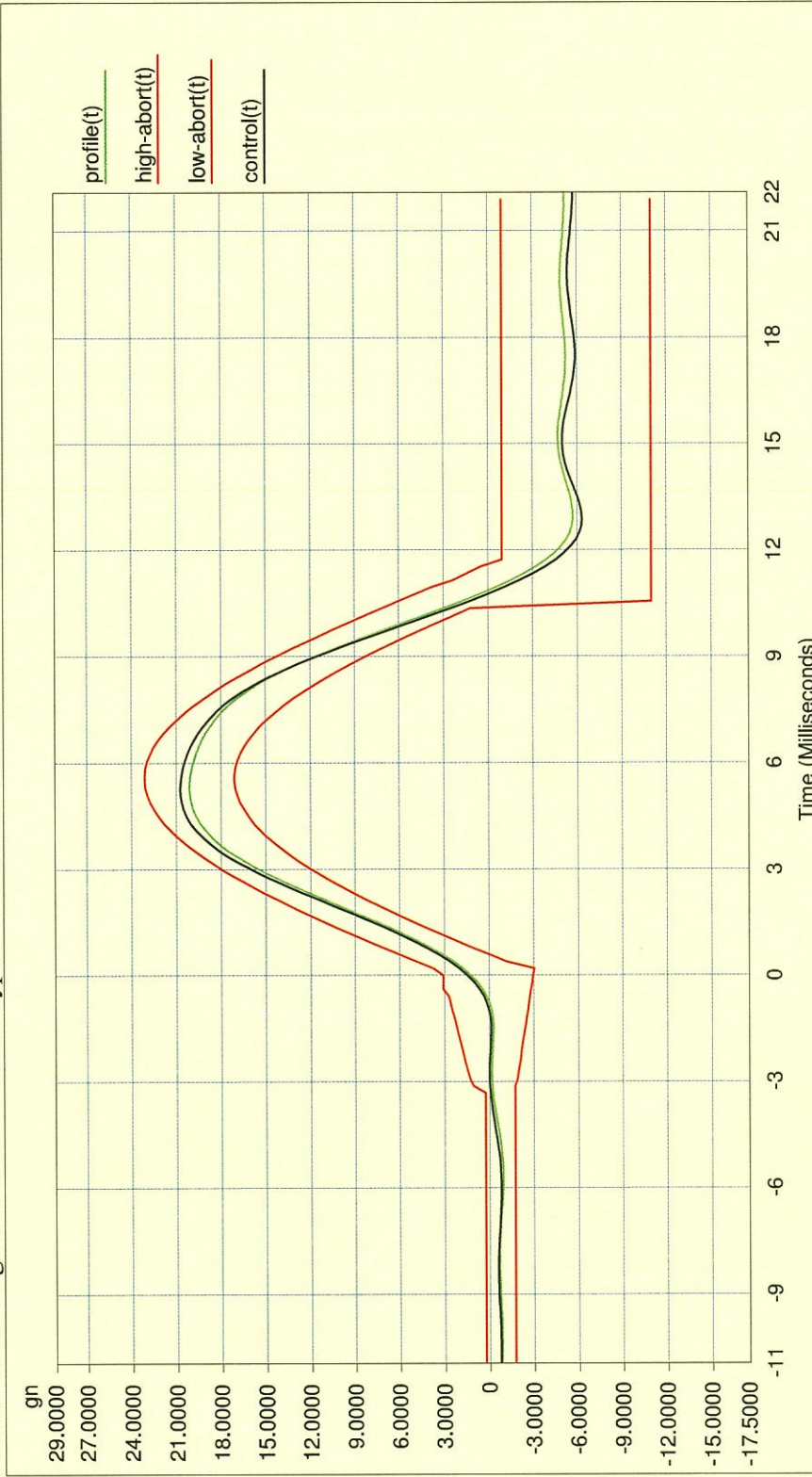




-Z axis

Project File Name: 20g 11mS Half Sine.prj

Profile Name: 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 19, 2013 10-41-10



Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
 Frame Time: 0.400000 Seconds Control Peak: 20.641016 Control RMS: 3.059773 Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.925629 Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms  
 -END-

