

## TESTING / INSPECTION REPORT

REPORT NO : ST-090112-1

COMPANY : AAEON Technology Inc.  
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SPECIMEN : ONYX-172 (With 2.5" HDD)  
DATE OF RECEIVED : 2009/01/08  
DATE OF TESTED : 2009/01/08

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 :

*Willy peng*

Approval Signatory :

*David Lee*

Laboratory Head :

*Changheir Zai*



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TEST ENVIRONMENT :

1. Shock Tester : KING DESIGN KD-9363EM-1000F2K-50N120,  
S/N : LAB001
2. Controller : DACTRON FRONT-End Box, S/N:4333816
3. Control Accelerometer : Wilcoxon Research WR-777, S/N:4207

TEST ENVIRONMENT :

- Temperature : 22.3°C (25±10°C)
- Relative Humidity : 64.2%RH (60±20% RH)

SPECIMEN :

- Model : ONYX-172 (With 2.5" HDD)
- Quantity : 1 piece

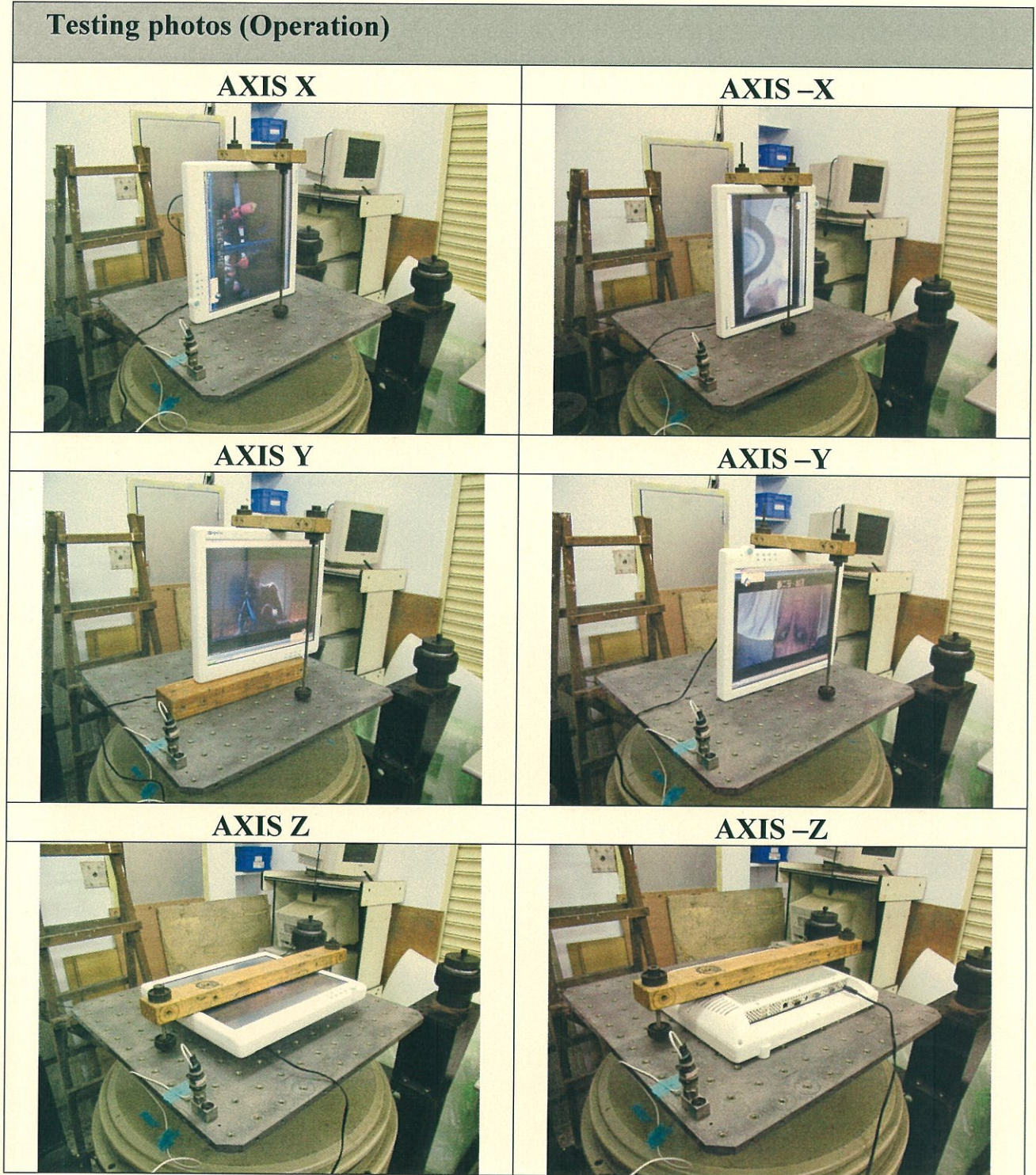
TEST SPECIFICATION :

- Wave Form : Half sine wave (Operation)
- Acceleration : 15 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	√	---	---
Appearance check	√	---	---

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### Testing photos

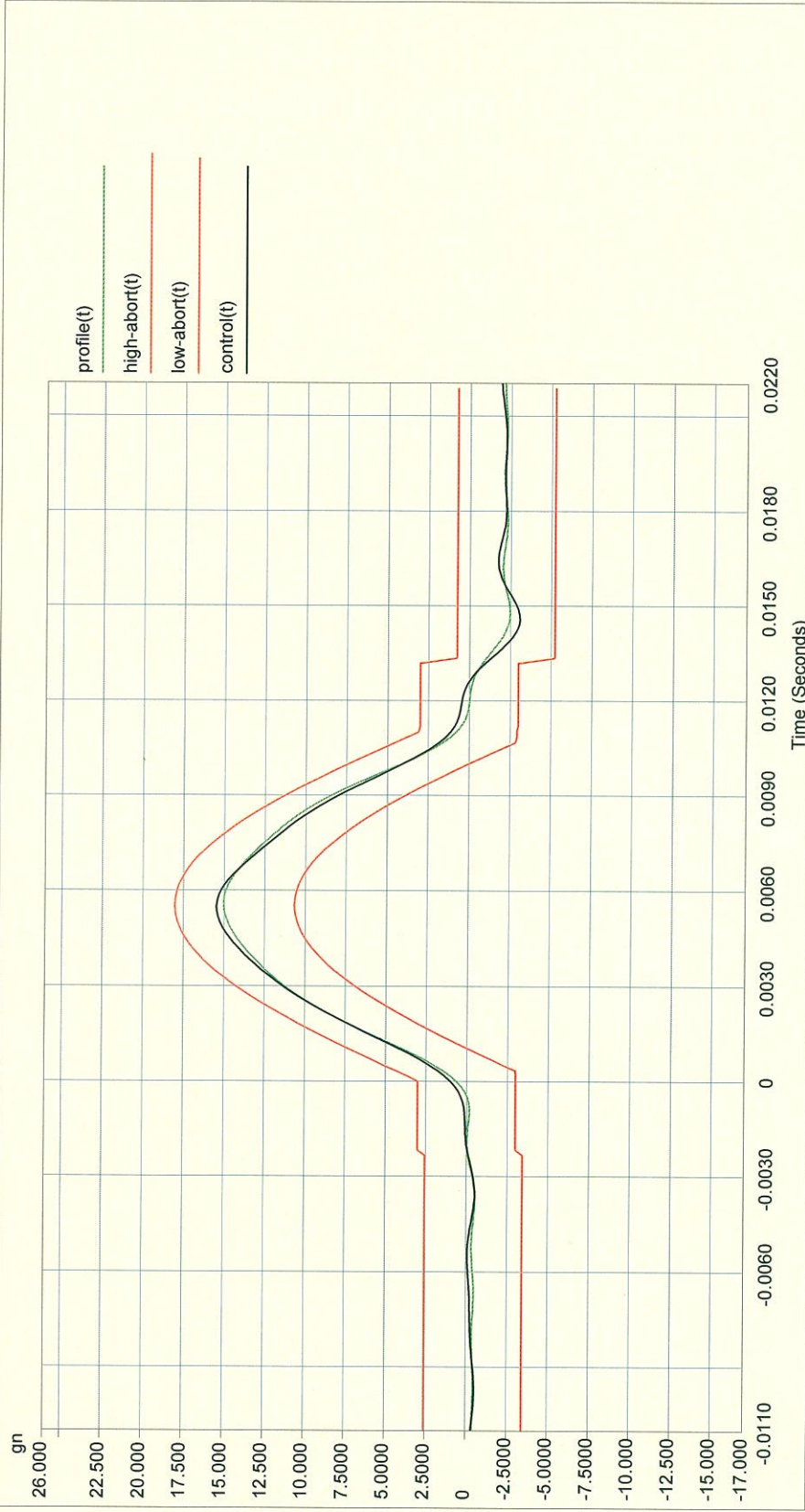
#### After test



Axis X

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-25-36

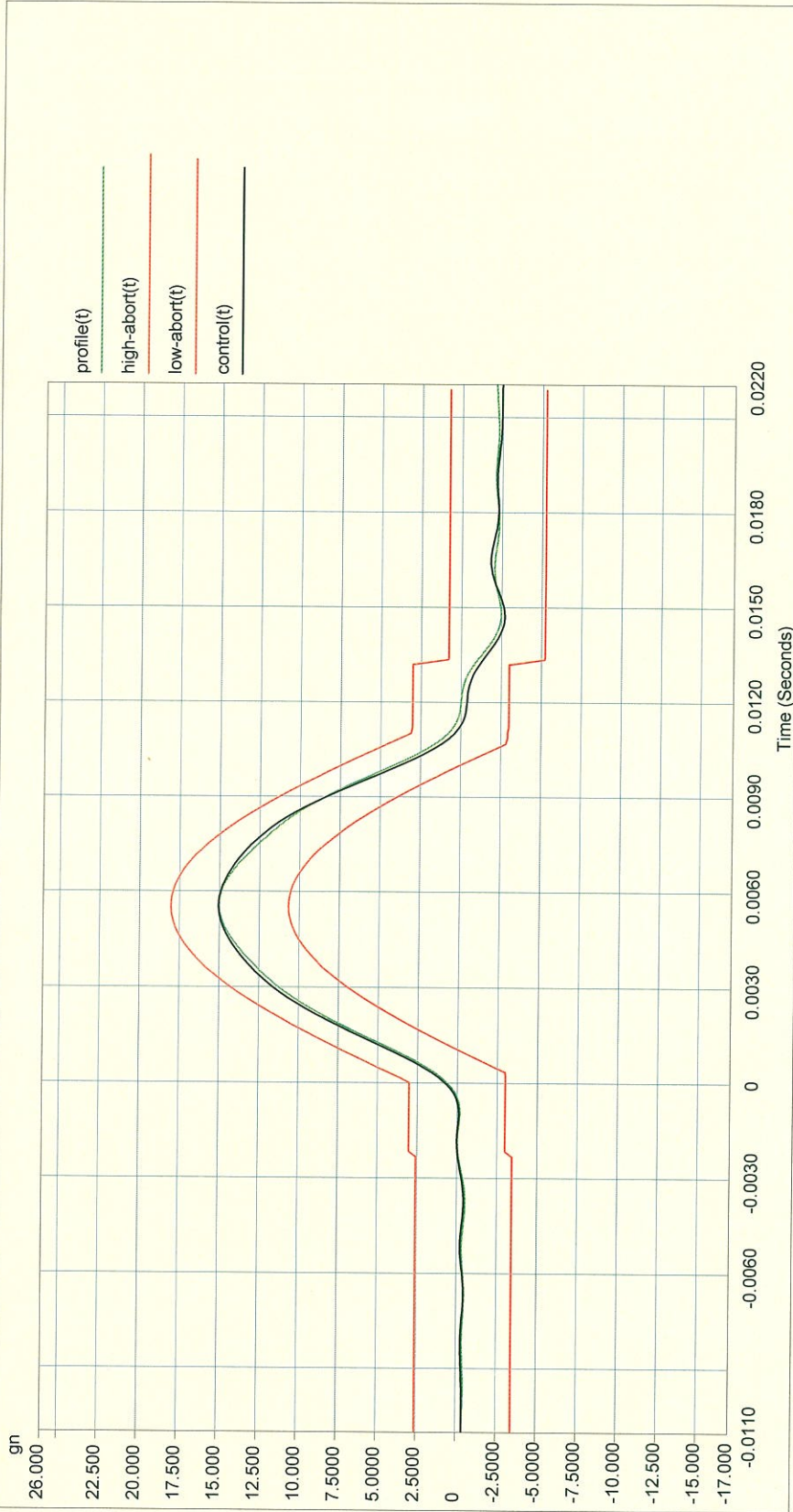


Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.434235 gn Control RMS: 1.549745 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
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Axis -X

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-24-04

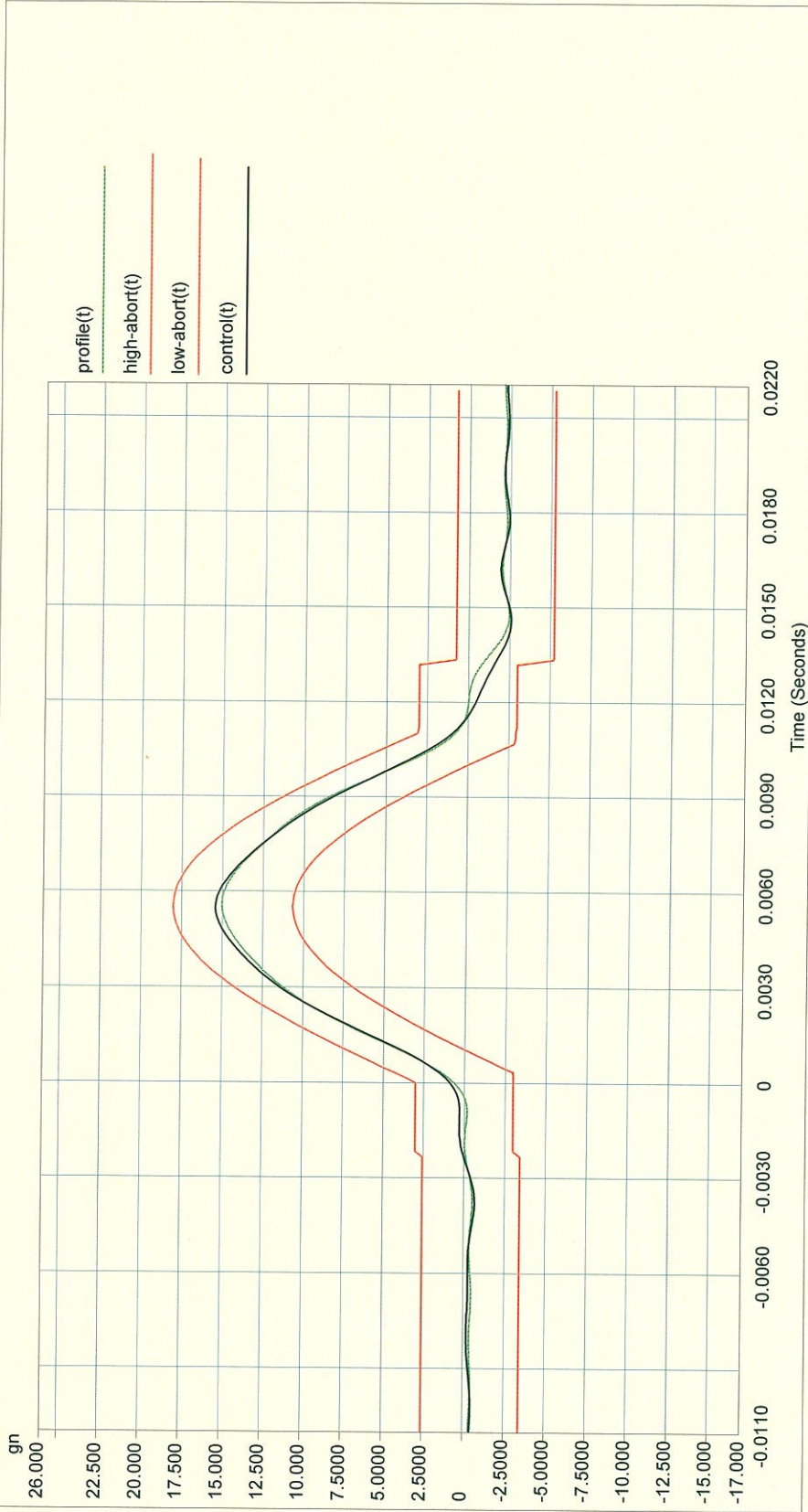


Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.022253 gn Control RMS: 1.564385 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
 Data saved at 11:24:23 AM, Thursday, January 08, 2009 Report created at 11:24:23 AM, Thursday, January 8, 2009

Axis Y

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-21-30



Level: 100 % Block Size: 4096 Elapsed Pulses: 13

Frame Time: 0.682667 Seconds Control Peak: 15.398597 gn Control RMS: 1.564839 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0

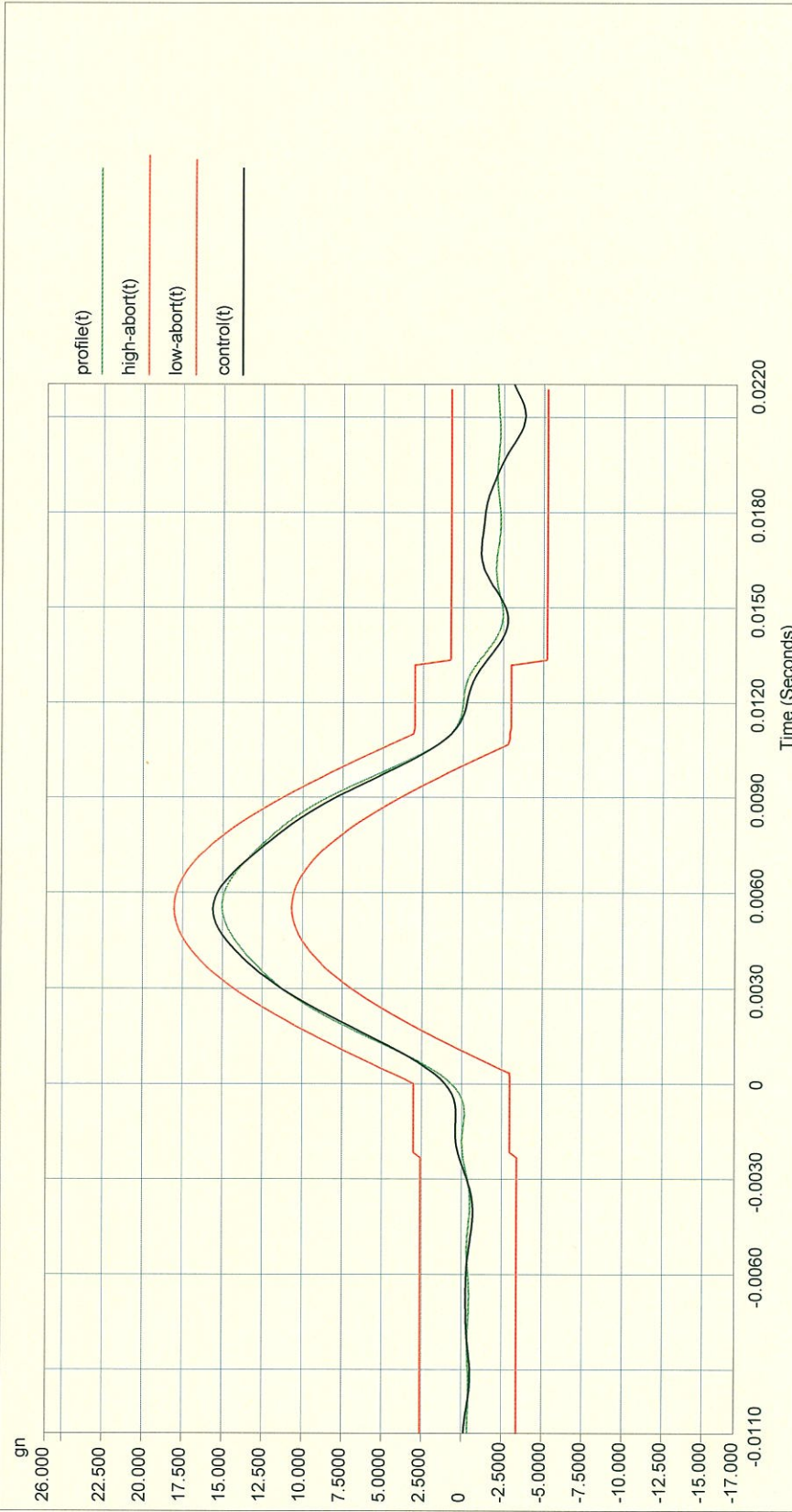
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 11:21:50 AM, Thursday, January 08, 2009 Report created at 11:21:51 AM, Thursday, January 8, 2009

Axis -Y

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-19-32



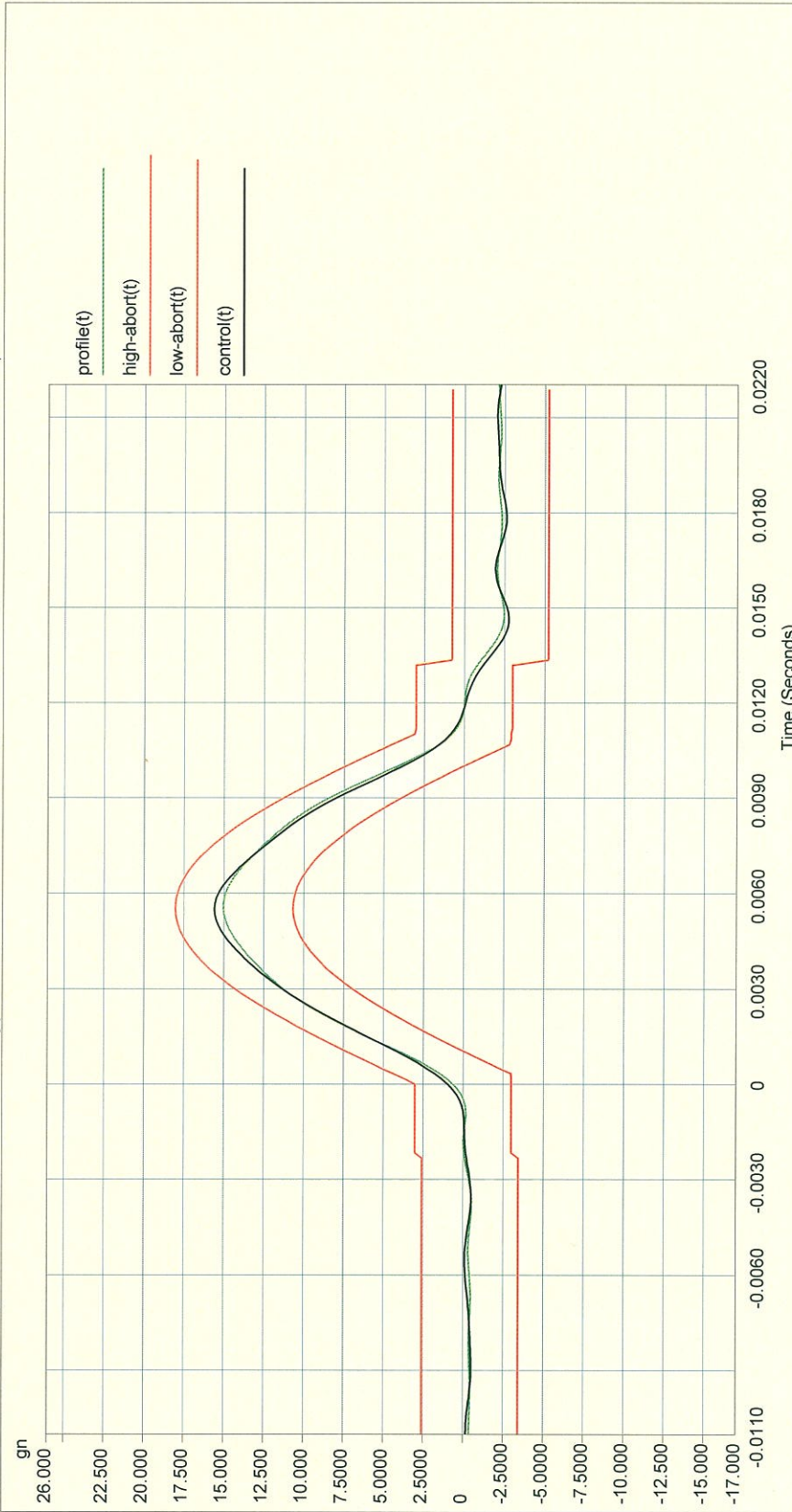
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 15.572827 gn Control RMS: 1.565603 gn  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
 Data saved at 11:19:51 AM, Thursday, January 08, 2009 Report created at 11:19:52 AM, Thursday, January 8, 2009



Axis Z

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-15-05

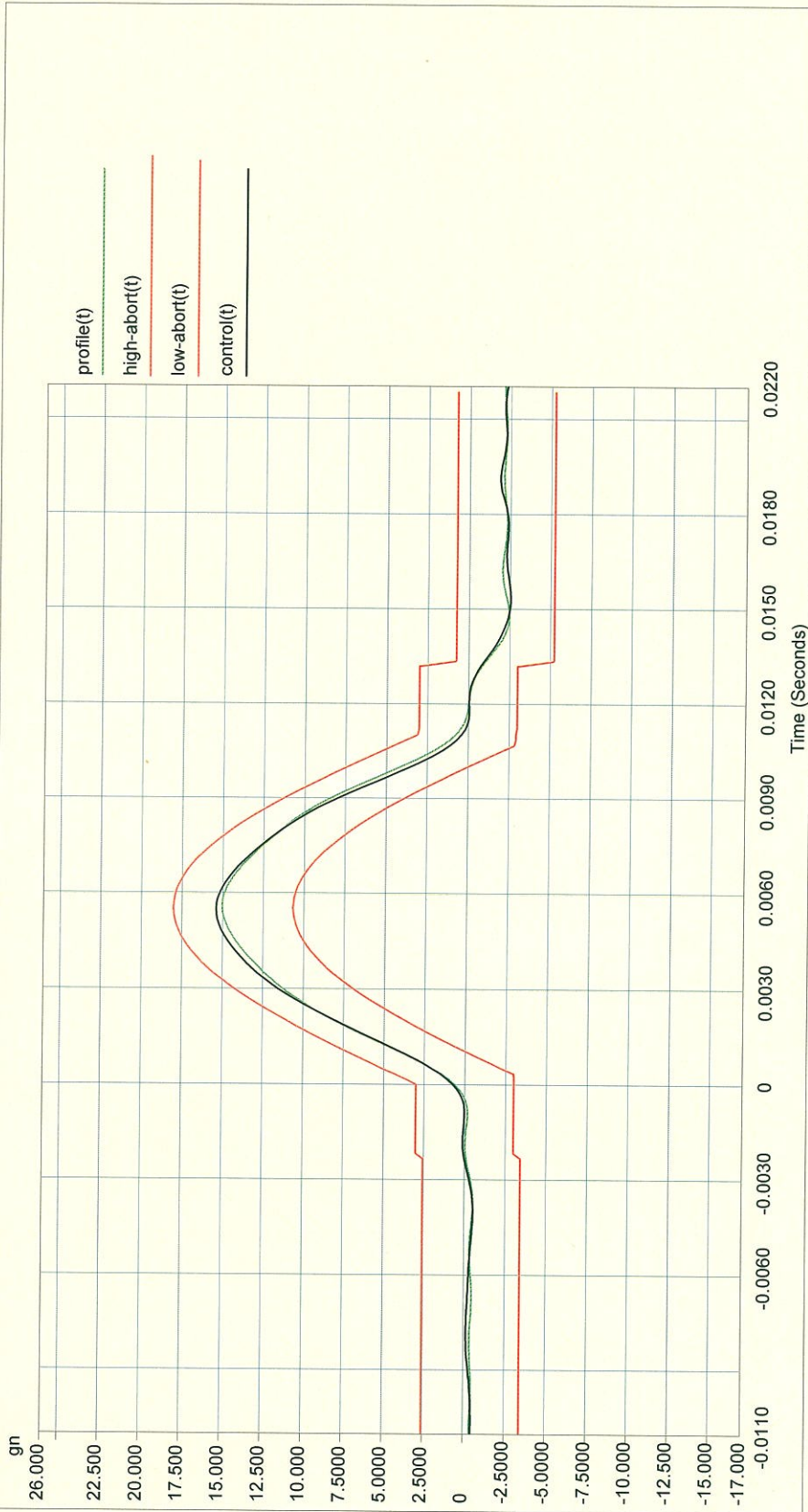


Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.562862 gn Control RMS: 1.562986 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
 Data saved at 11:15:24 AM, Thursday, January 08, 2009 Report created at 11:15:25 AM, Thursday, January 8, 2009

Axis -Z

Project File Name: 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 08,2009 11-13-55



Level: 100 % Block Size: 4096 Elapsed Pulses: 13  
 Frame Time: 0.682667 Seconds Control Peak: 15.371491 gn Control RMS: 1.564966 gn Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.526063 gn Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
 Data saved at 11:14:17 AM, Thursday, January 08, 2009 Report created at 11:14:25 AM, Thursday, January 8, 2009