

TESTING / INSPECTION REPORT

REPORT NO : ST-090803-3

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SPECIMEN : ONYX-2122
DATE OF RECEIVED : 2009/07/29
DATE OF TESTED : 2009/07/29

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>Walthi Poney</i>	
Approval Signatory : <i>2009.8.4 David Lee</i>	Laboratory Head : <i>Robin Jai Chang</i>

- **This report is additional testing video CD.**



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TEST ENVIRONMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
2. Controller : DACTRON FRONT-End Box, S/N:10941647
3. Control Accelerometer : B&K 4399, S/N:2158446

TEST ENVIRONMENT :

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

SPECIMEN :

- Model : ONYX-2122
- Quantity : 1 piece

SHOCK TEST SPECIFICATION :

- 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	√	---	---
Appearance check	√	---	---

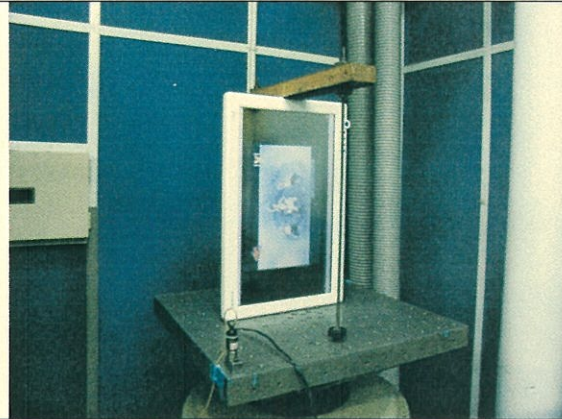
TESTING / INSPECTION REPORT

Testing photos (Operation)

AXIS X



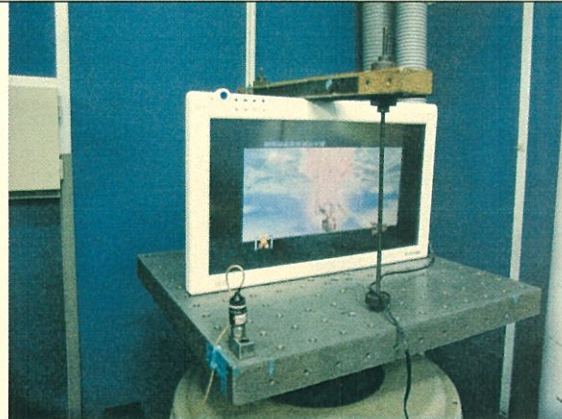
AXIS -X



AXIS Y



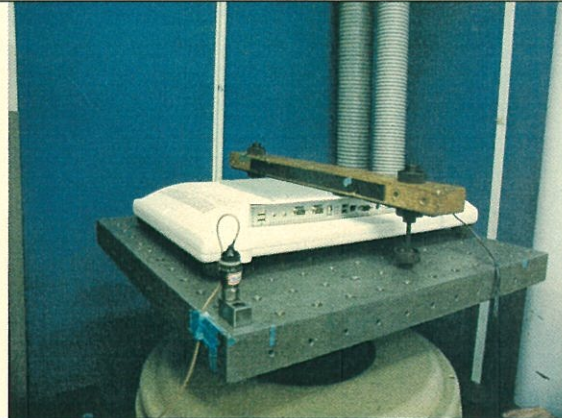
AXIS -Y



AXIS Z



AXIS -Z



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Testing photos

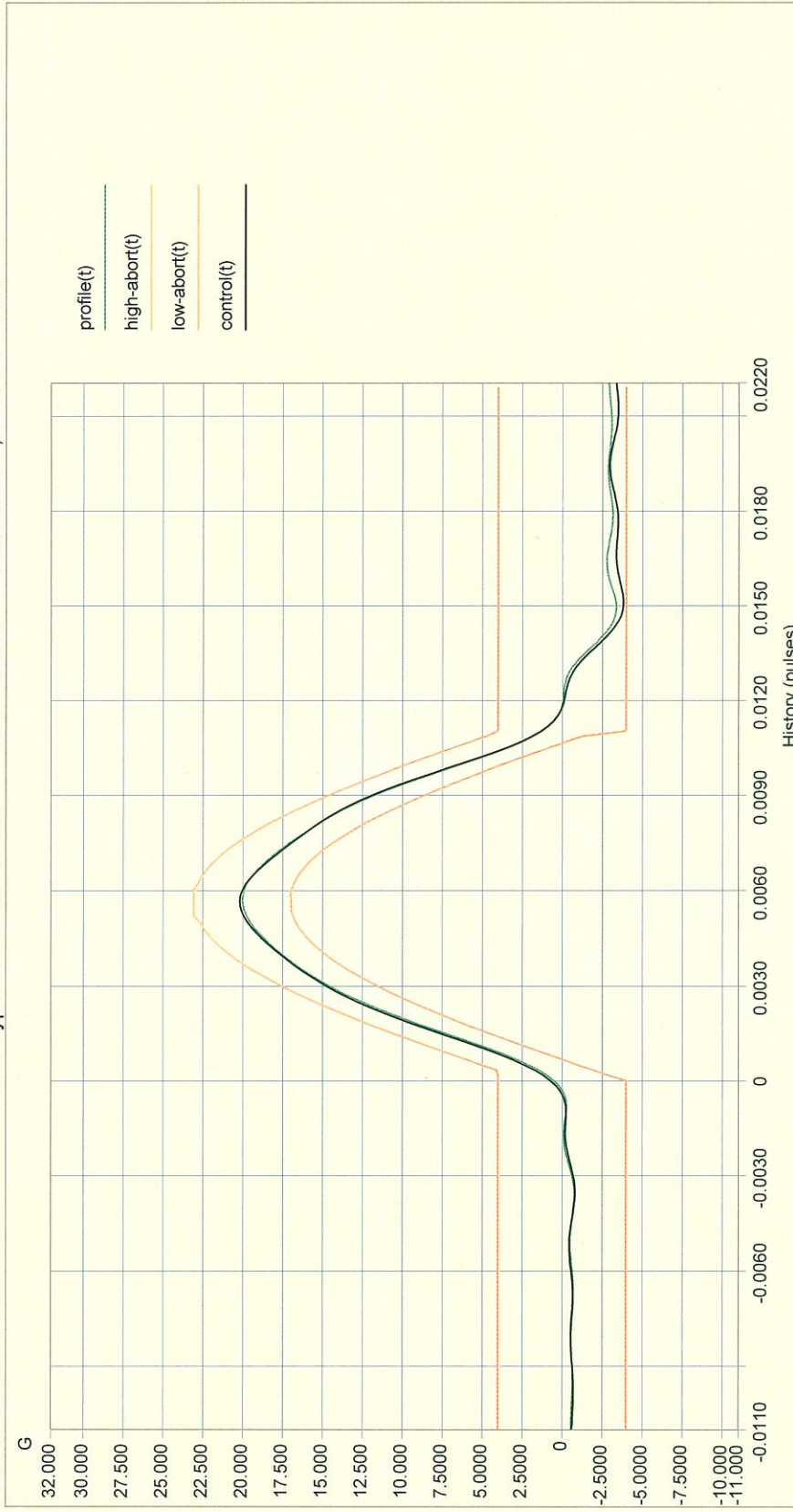
After test



Axis X

Project File Name: 20g 11ms

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 28,2009 22-45-33



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

Frame Time: 0.682667 Seconds Control Peak: 20.171301 G Control RMS: 2.014751 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0

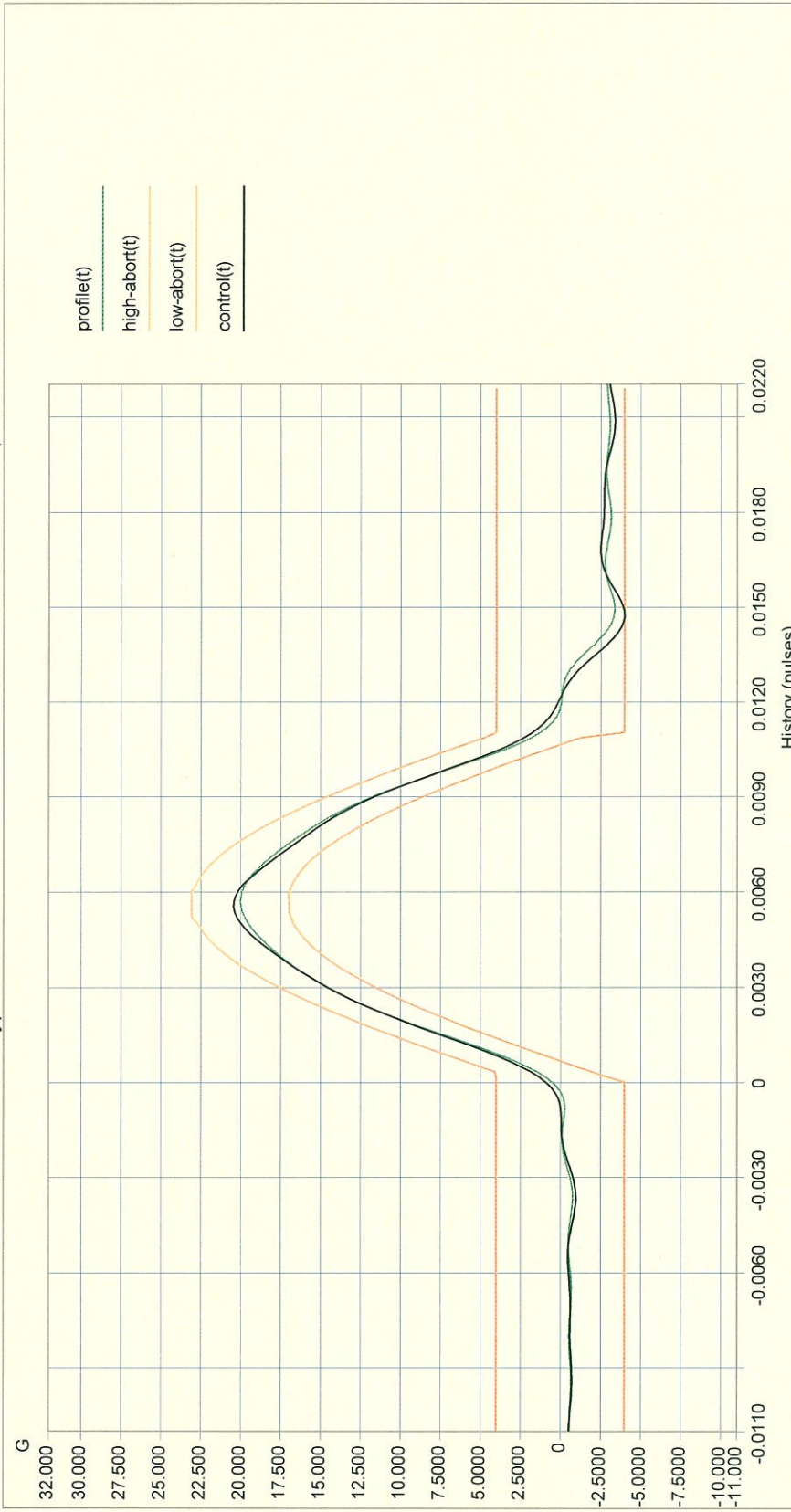
Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

Data saved at 10:45:56 PM, Tuesday, July 28, 2009 Report created at 10:45:57 PM, Tuesday, July 28, 2009

Axis -X

Project File Name: 20g 11ms

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 28, 2009 22-43-26



Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.418221 G Control RMS: 2.002223 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms
 Data saved at 10:43:49 PM, Tuesday, July 28, 2009 Report created at 10:43:49 PM, Tuesday, July 28, 2009

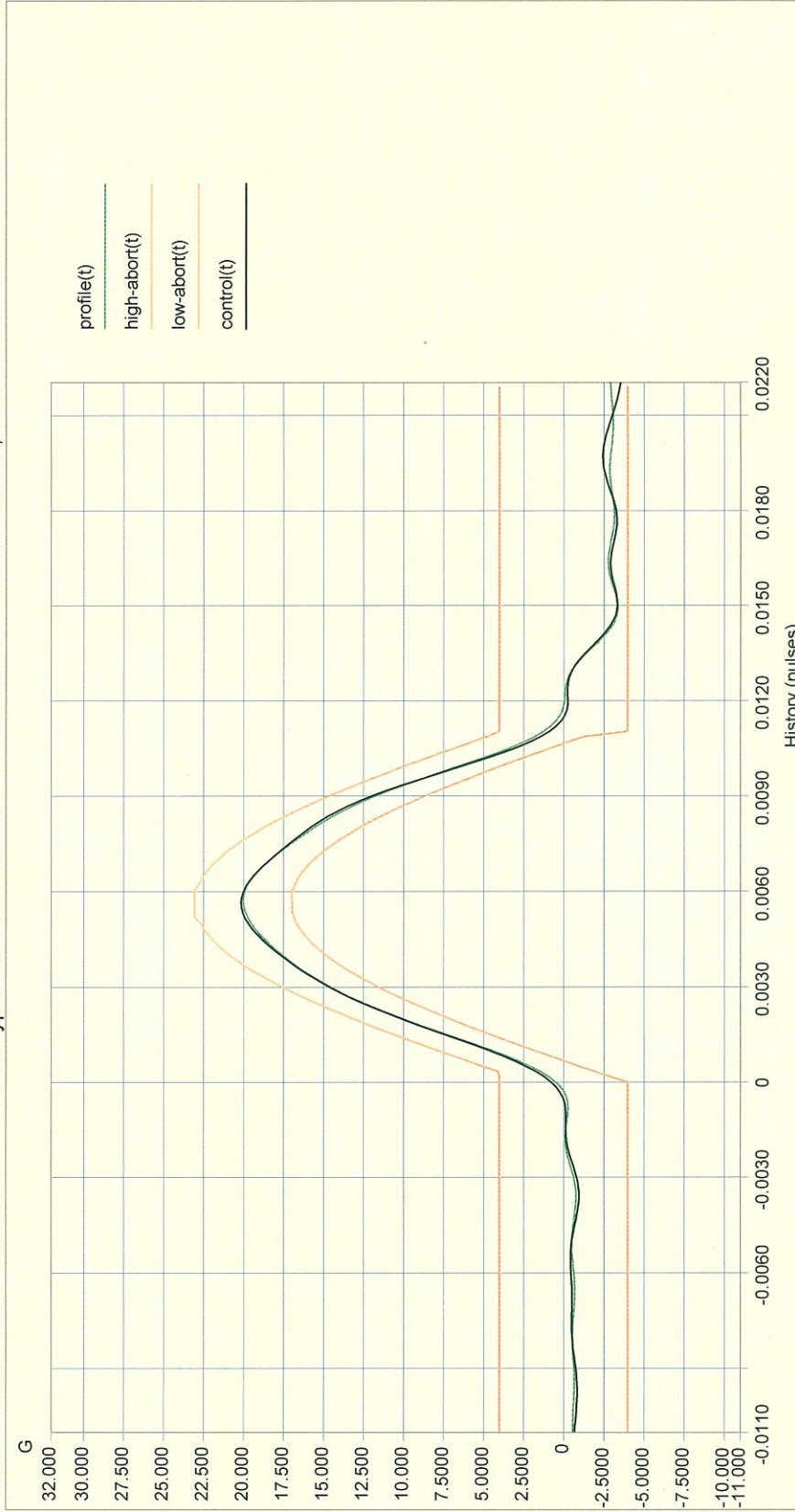
Axis Y

Project File Name: 20g 11ms

Profile Name: 20G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jul 28,2009 22-40-41



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

Frame Time: 0.682667 Seconds Control Peak: 20.126694 G Control RMS: 2.006624 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0

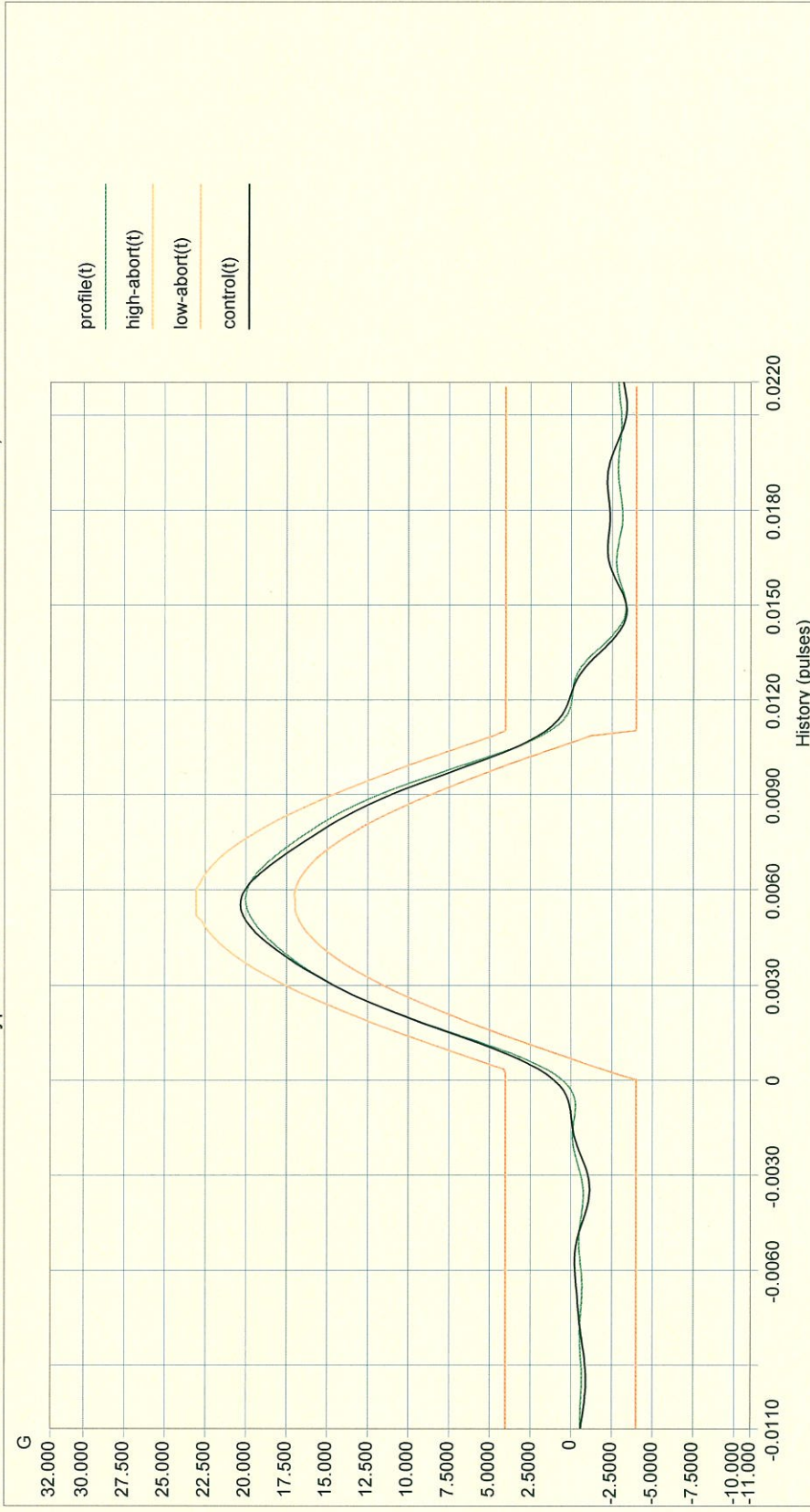
Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

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Axis -Y

Project File Name: 20g 11ms

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 28,2009 22-39-09

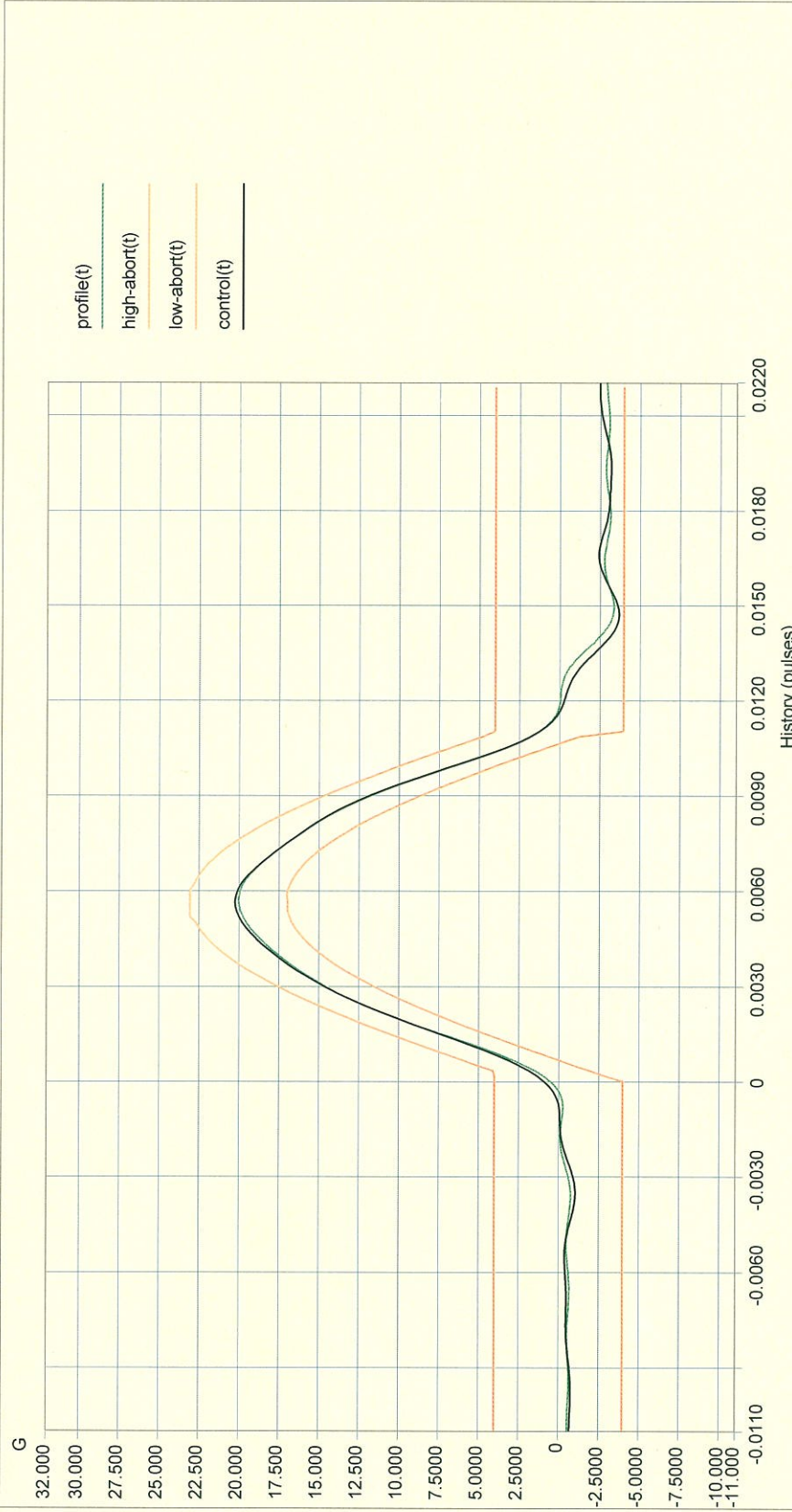


Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.306383 G Control RMS: 1.989412 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms
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Axis Z

Project File Name: 20g 11ms

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: \Run Jul 28,2009 22-34-20



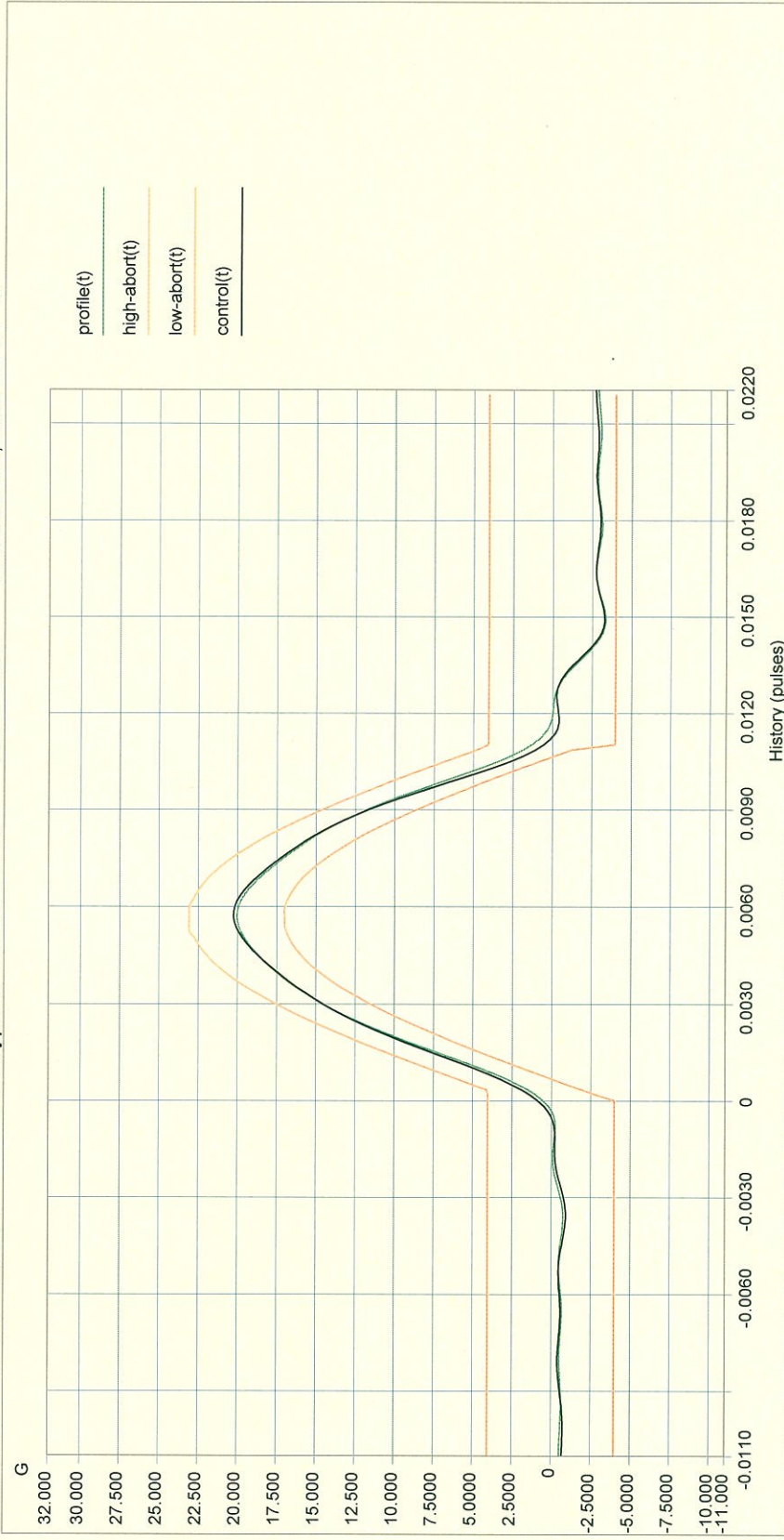
Level: 100 % Block Size: 4096 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.217403 G Control RMS: 2.005860 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms

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Axis -Z

Project File Name: 20g 11ms

Profile Name: 20G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 28,2009 22-31-45



Level: 100 % Block Size: 4096 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.213686 G Control RMS: 2.000581 G
 dT: 0.000167 Seconds Demand Peak: 20.000000 G Demand RMS: 1.976207 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 G Pulse Width: 11.000001 ms
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