

TESTING / INSPECTION REPORT

REPORT NO : ST-090430-1

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SPECIMEN : TKS-G20-9455
DATE OF RECEIVED : 2009/04/29
DATE OF TESTED : 2009/04/29

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>Willie peng.</i> | |
| Approval Signatory : | <i>David Lee</i> | Laboratory Head : <i>Hein Tai Chang</i> |



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TEST ENVIRONMENT :

1. Shock Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054986
2. Controller : DACTRON FRONT-End Box, S/N:4529465
3. Control Accelerometer : B&K 4399, S/N:2158445

TEST ENVIRONMENT :

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

SPECIMEN :

- Model : TKS-G20-9455
- Quantity : 1 piece

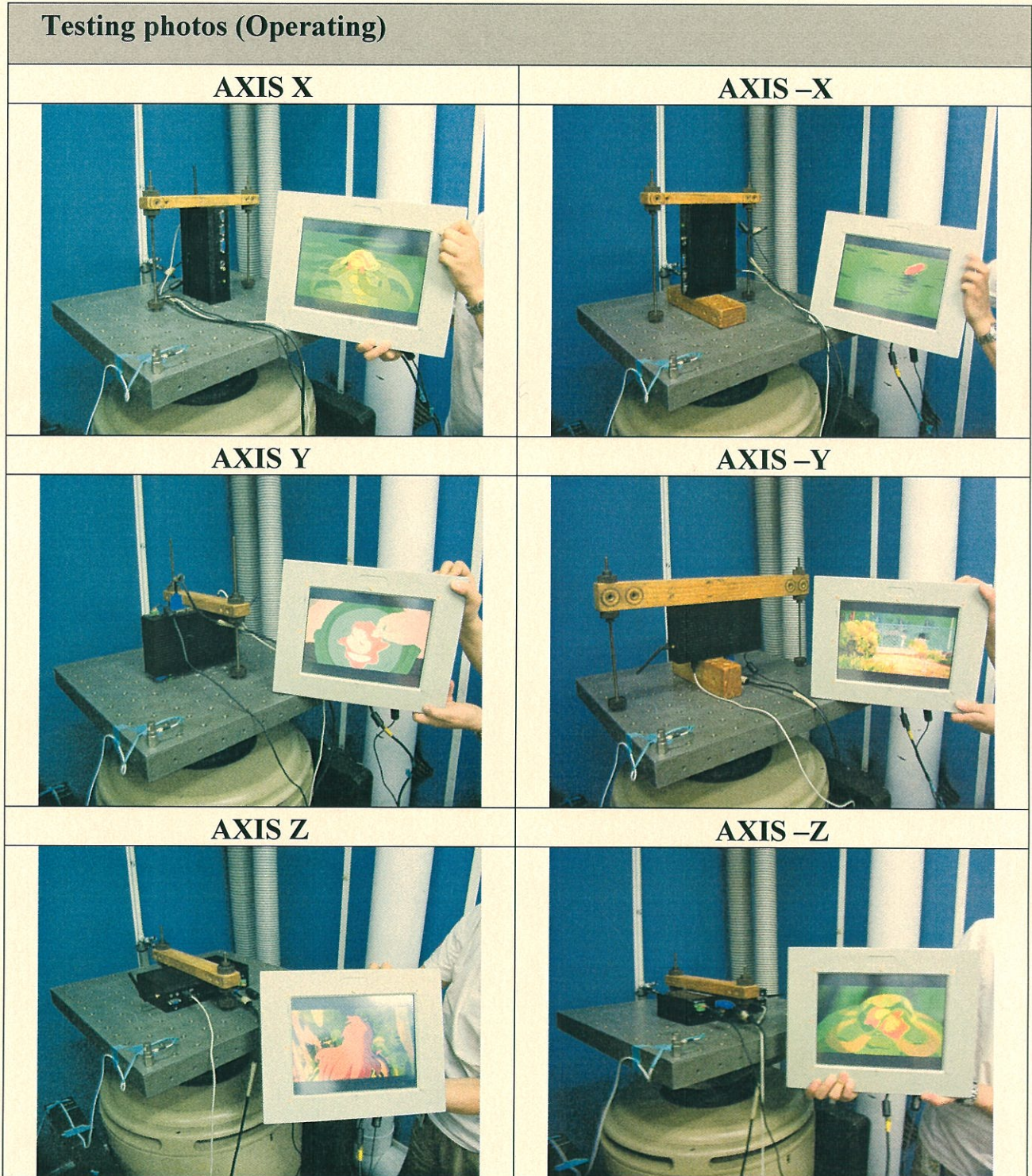
TEST SPECIFICATION :

- Wave Form : Half sine wave (Operating)
- Acceleration : 10 g
- Duration Time : 11 ms
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

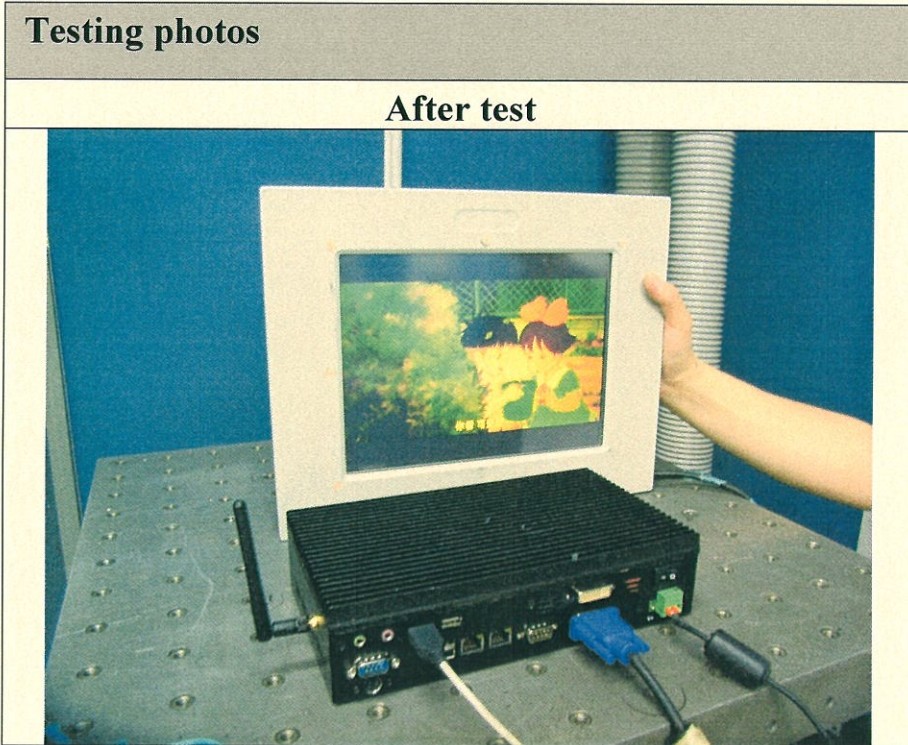
TEST RESULT :

| Describe | PASS | FAIL | Non-Judgment |
|-------------------|------|------|--------------|
| Function judgment | √ | --- | --- |
| Appearance check | √ | --- | --- |

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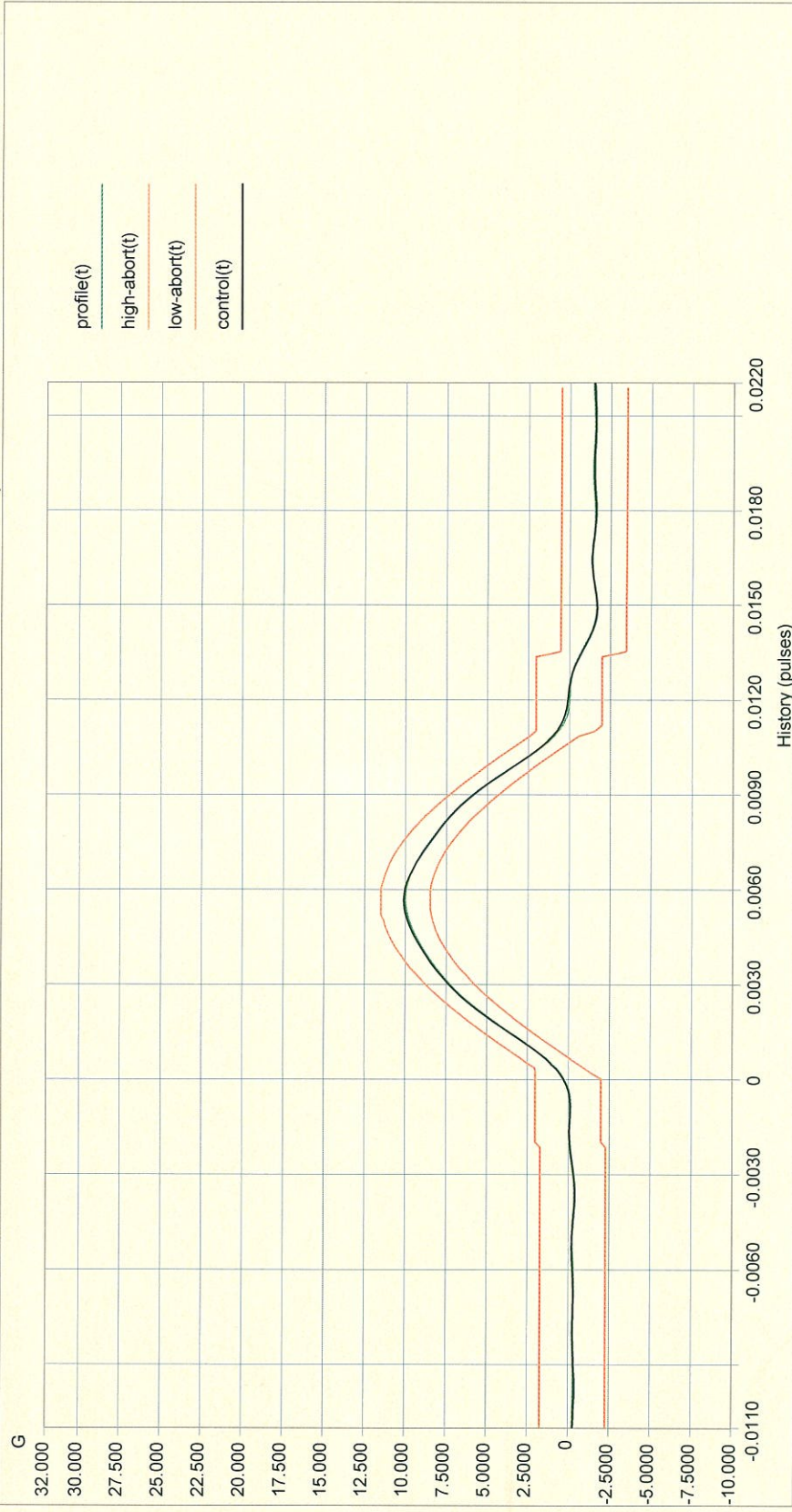
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Axis X

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29,2009 14-09-25

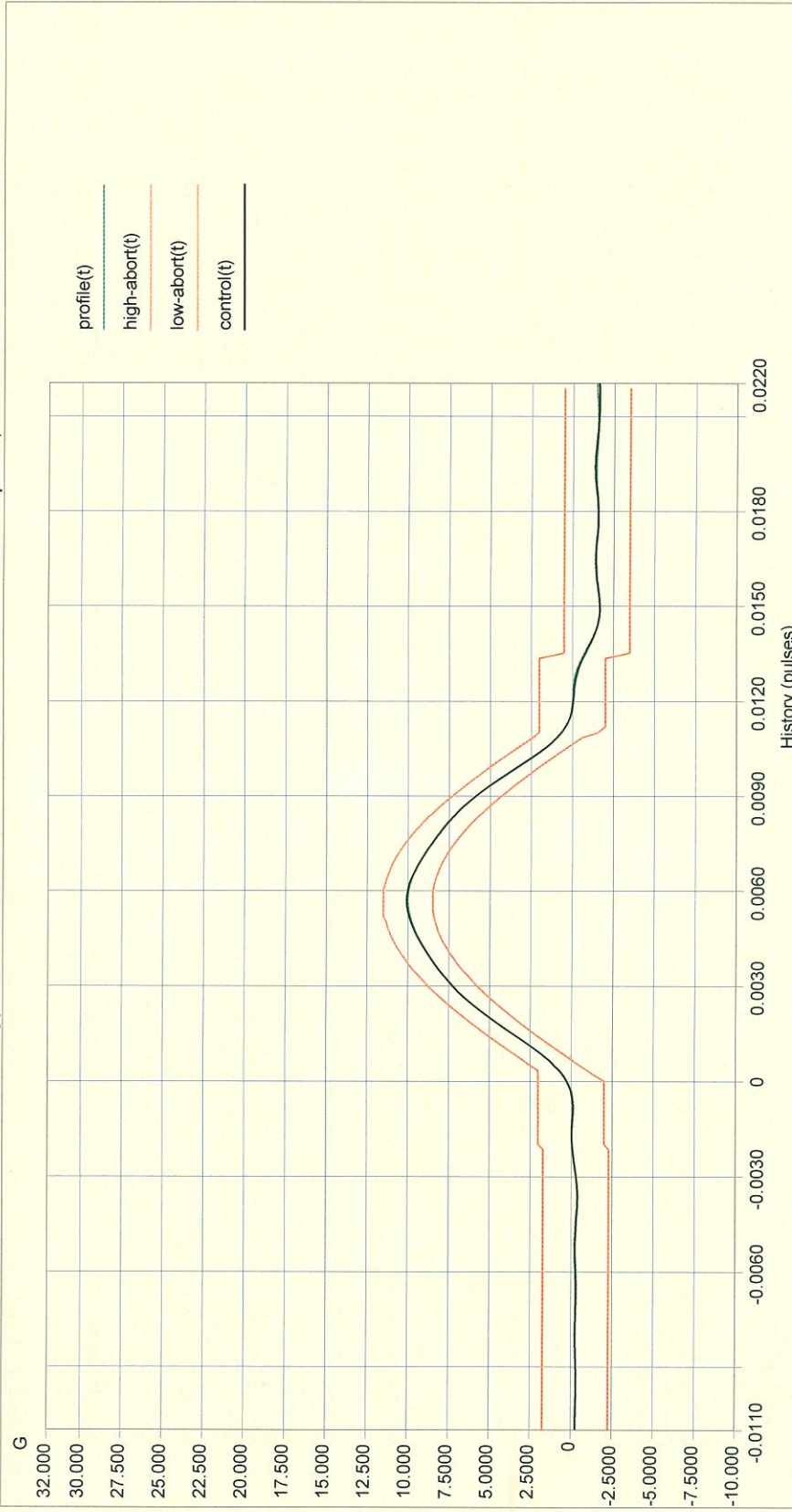


Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 10.091777 G Control RMS: 1.000659 G Demand RMS: 0.988103 G Remaining Pulses: 0
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
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Axis -X

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29,2009 14-06-39

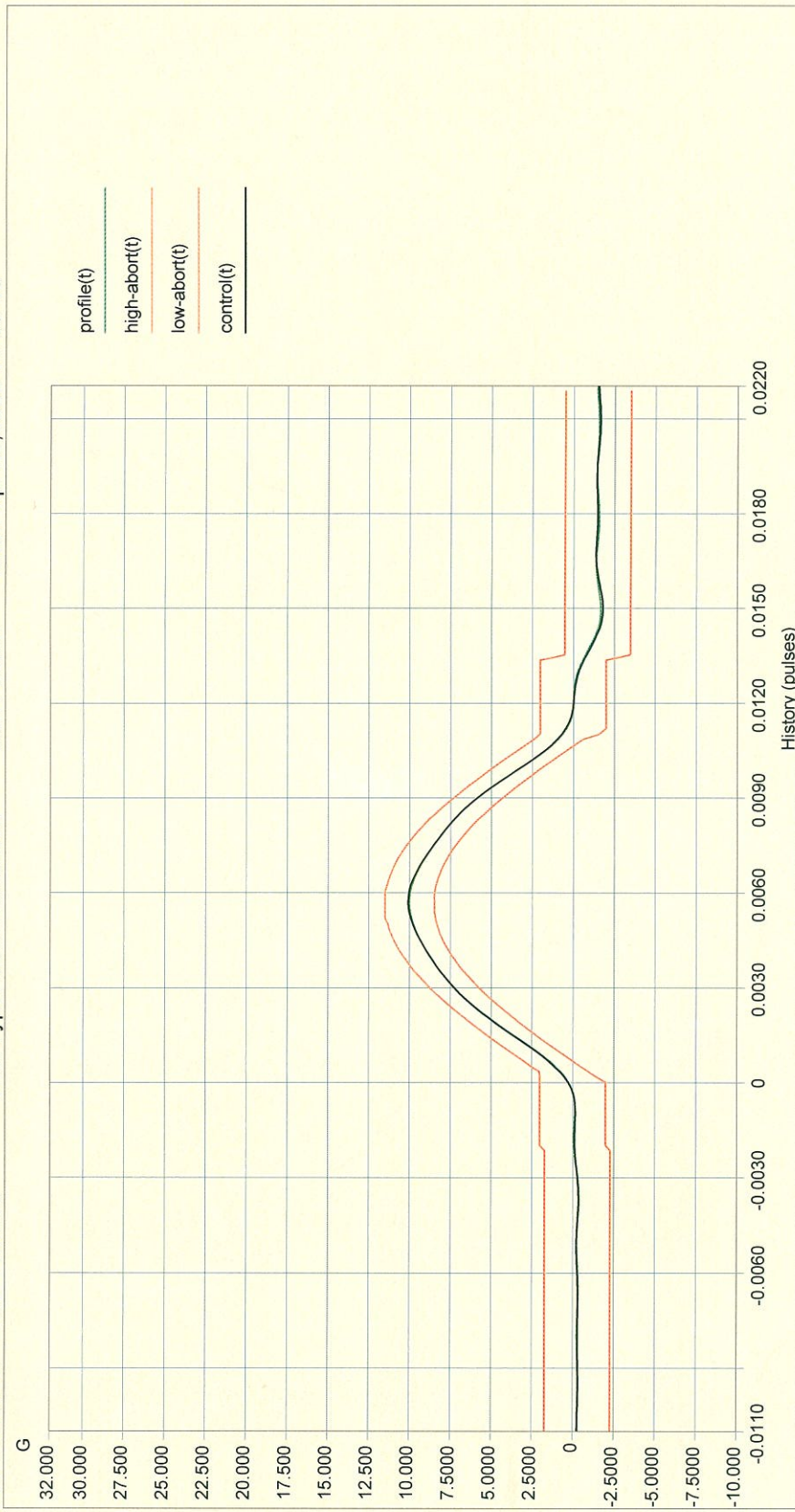


Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 10.072553 G Control RMS: 0.998714 G Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
 Data saved at 02:07:04 PM, Wednesday, April 29, 2009 Report created at 02:07:05 PM, Wednesday, April 29, 2009

Axis Y

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29, 2009 14-03-48

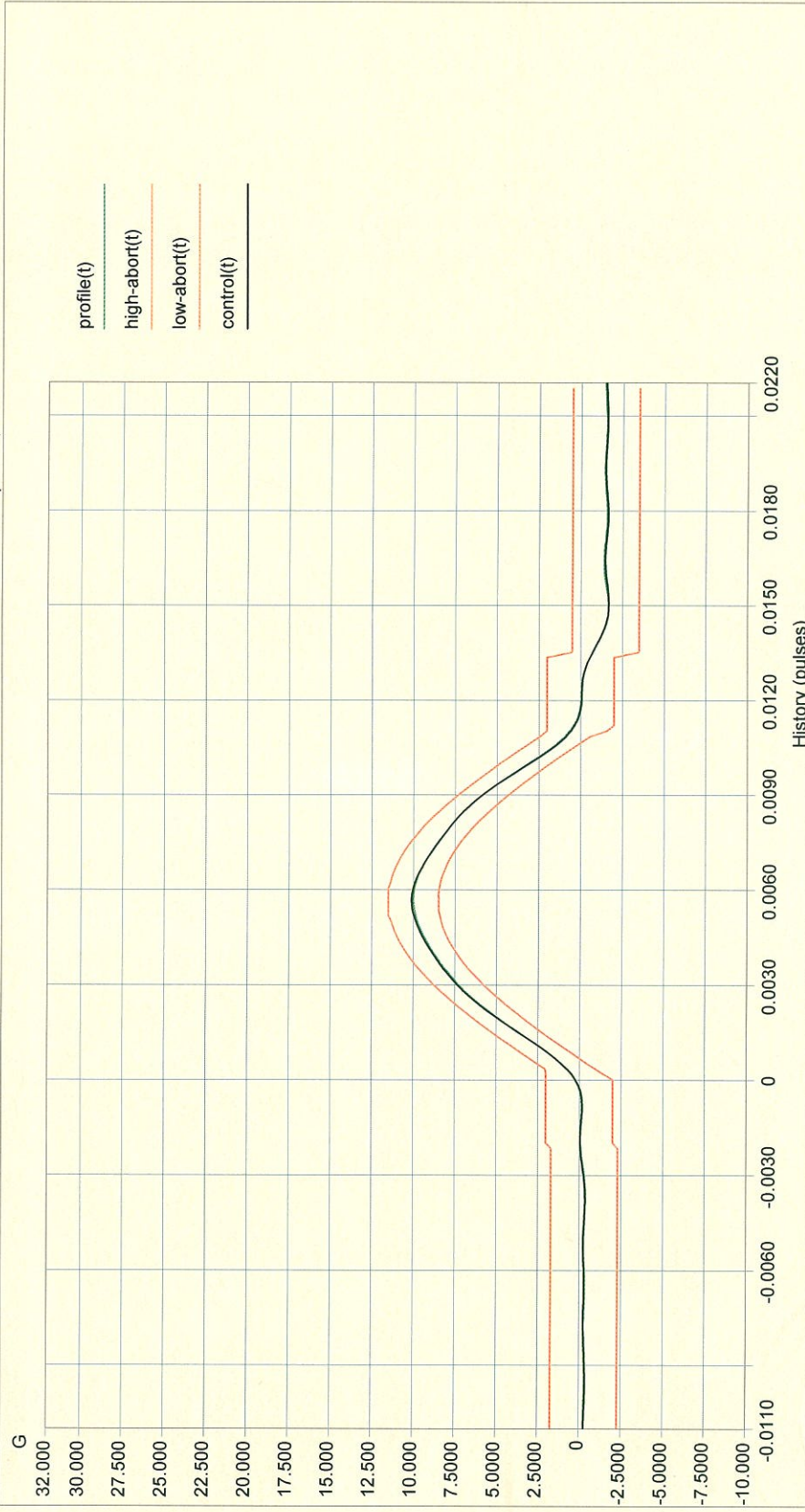


Level: 100 % Block Size: 4096 Elapsed Pulses: 13
 Frame Time: 0.682667 Seconds Control Peak: 10.077973 G Control RMS: 0.999137 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
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Axis -Y

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29,2009 14-00-36



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

Frame Time: 0.682667 Seconds Control Peak: 10.101283 G Control RMS: 0.999851 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0

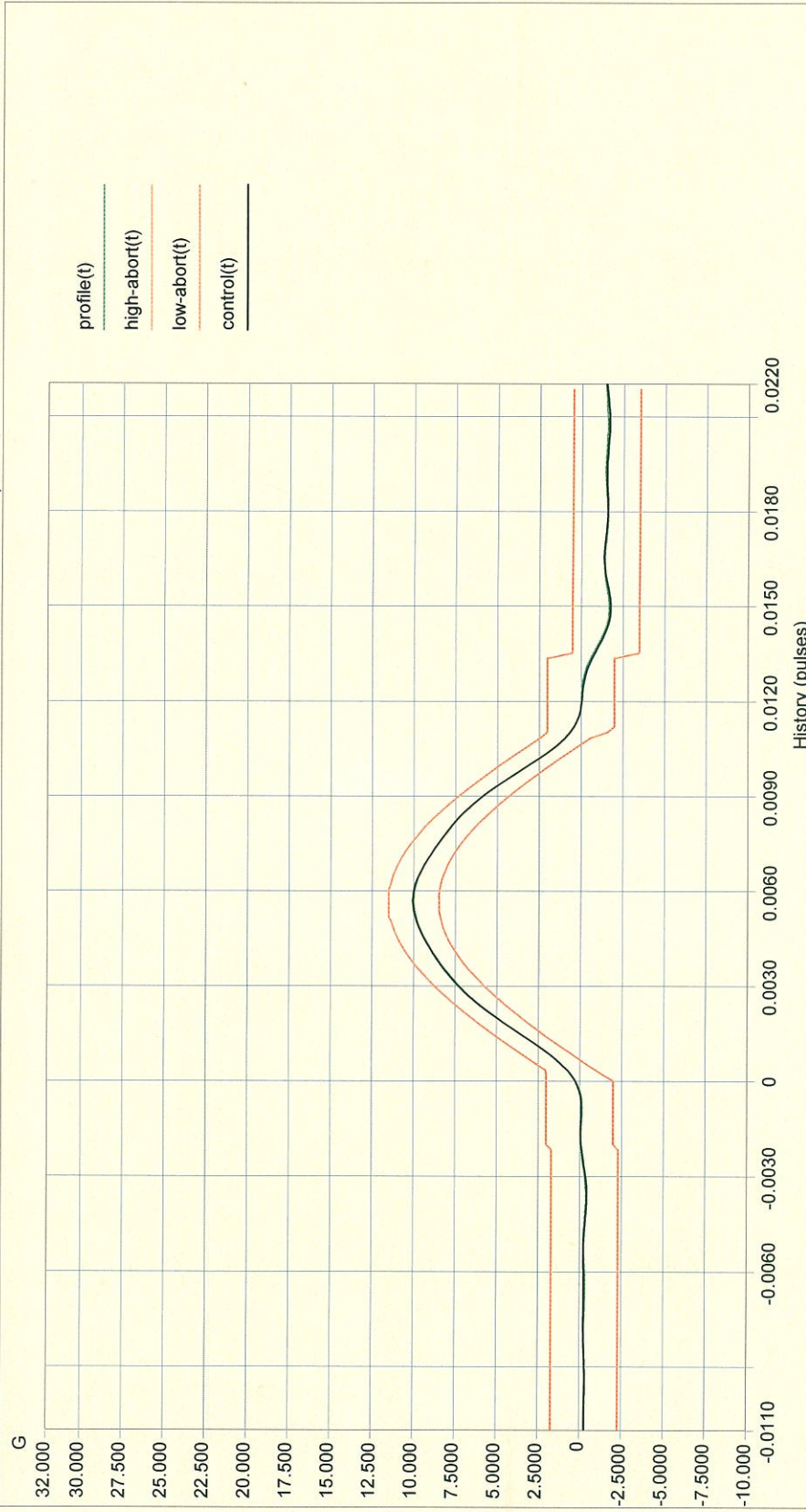
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

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Axis Z

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29, 2009 13-57-42



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

Frame Time: 0.682667 Seconds Control Peak: 10.043179 G Control RMS: 0.998987 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0

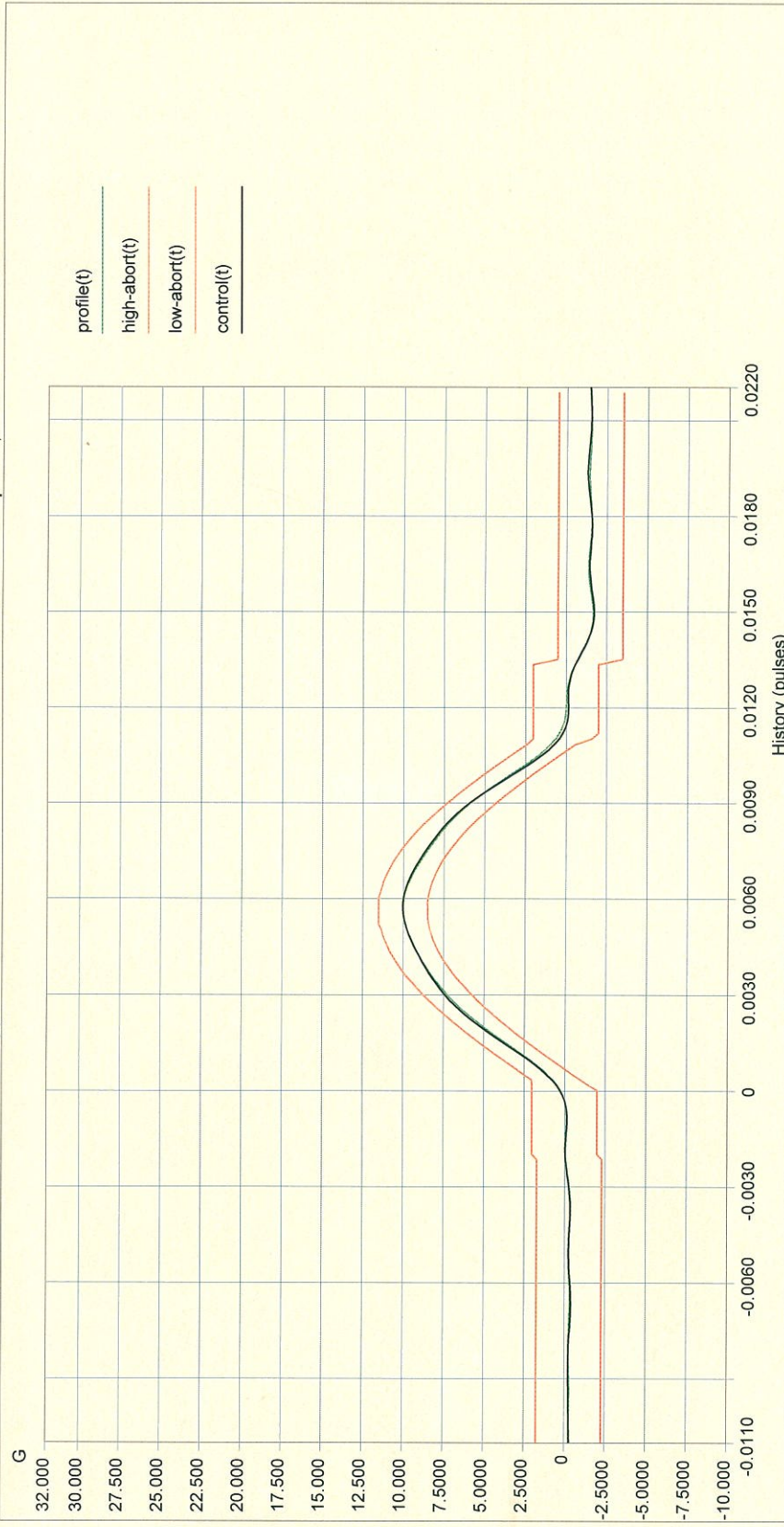
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

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Axis -Z

Project File Name: 10g 11ms.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 29,2009 13-55-46



Level: 100 % Block Size: 4096 Elapsed Pulses: 13
 Frame Time: 0.682667 Seconds Control Peak: 10.021187 G Control RMS: 1.000435 G Full Level Elapsed Pulses: 3
 dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.988103 G Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms

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