

KING DESIGN INDUSTRIAL CO., LTD.

4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,
Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094**VIBRATION TEST LABORATORY**http://www.kdi.tw
http://www.vibration.com.tw
E-mail:service@kdi.tw**TESTING / INSPECTION REPORT**

REPORT NO : ST-131205-3

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 : FWS-7400 (With 2.5" HDD*3/PER-C36L)
DATE OF RECEIVED : 2013/12/05
DATE OF TESTED : 2013/12/05

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 20 pages, and no part of it may be abstracted or reproduced.



Test Engineer : <i>Ze Pay</i>	
Approval Signatory : <i>David Lee</i> <i>2013.12.10</i>	Laboratory Head : <i>Hsin Zai Chang</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 : 25°C (25±10°C)
- Relative Humidity : 65 %RH (50±25% RH)

SPECIMEN :

- Model : FWS-7400 (With 2.5" HDD*3/PER-C36L)
- Quantity : 1 unit

TEST SPECIFICATION(1) :

As per applicant's requirement

- 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 SPECIFICATION(2) :

As per applicant's requirement

- Wave Form : Half Sine wave (Non-Operating)
- Acceleration : 20 g
- Duration Time : 11 mS
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

KING DESIGN INDUSTRIAL CO., LTD.4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,
Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094**VIBRATION TEST LABORATORY**<http://www.kdi.tw>
<http://www.vibration.com.tw>
E-mail:service@kdi.tw**TESTING / INSPECTION REPORT**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

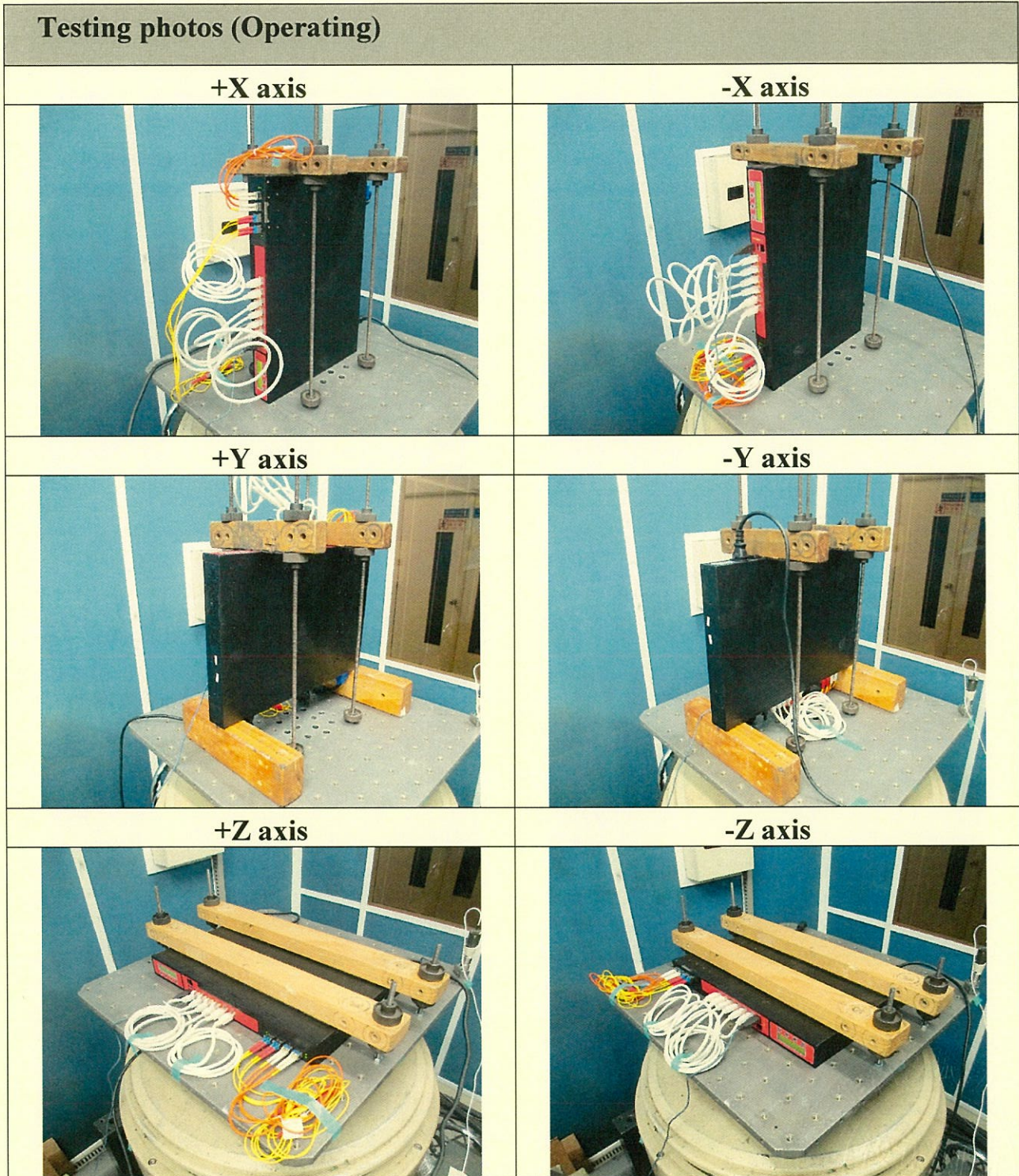
Tester (Operating)



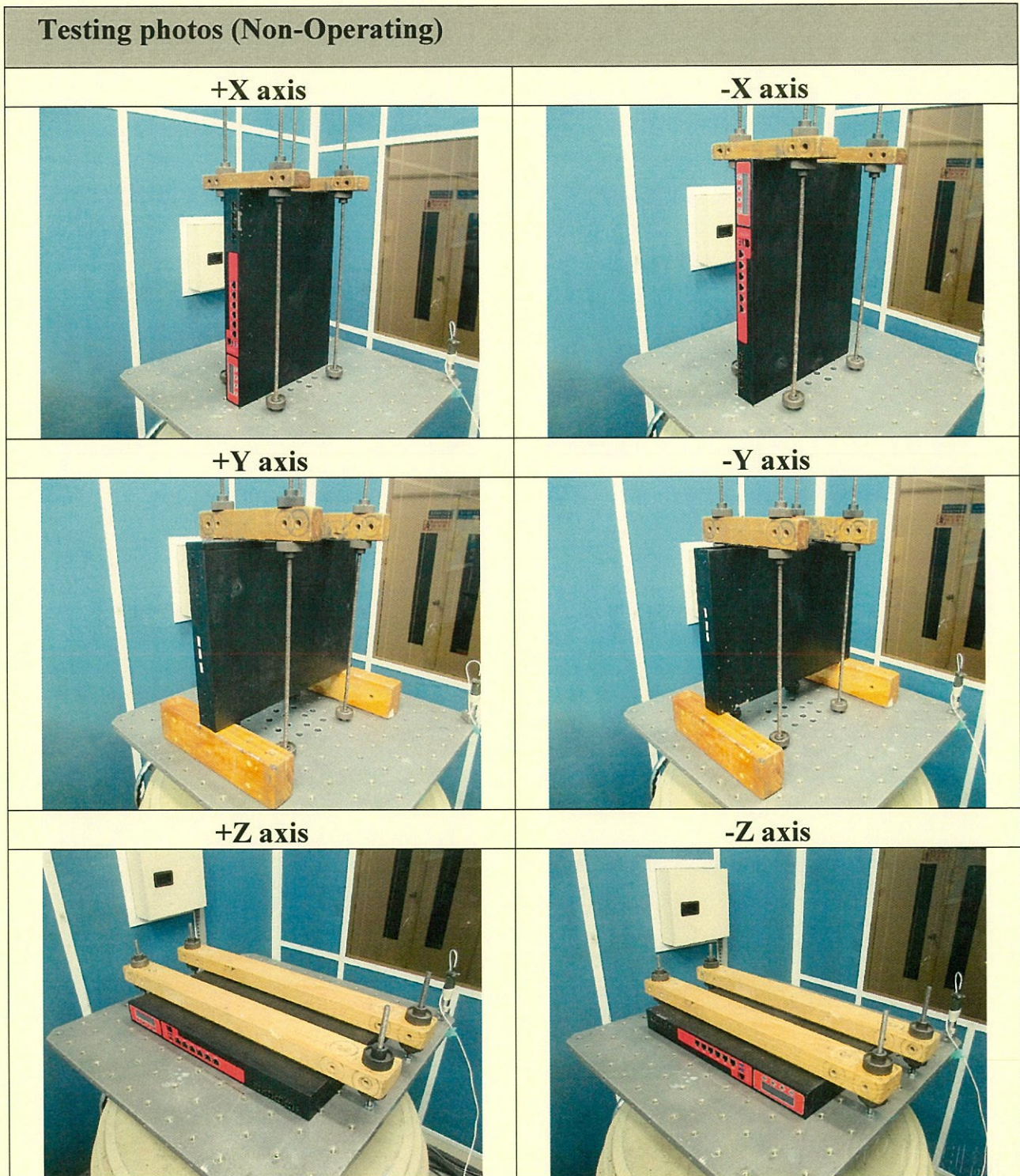
Tester (Non-Operating)



TESTING / INSPECTION REPORT




TESTING / INSPECTION REPORT



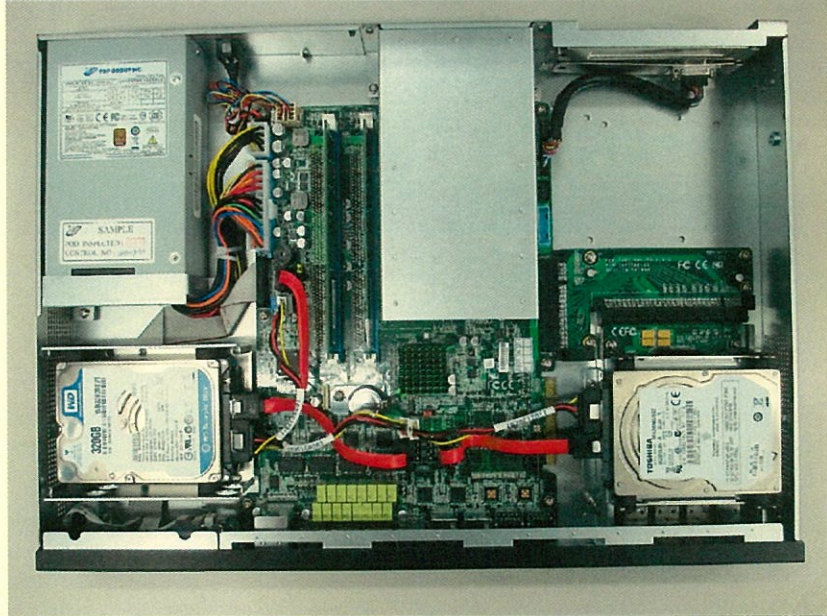
TESTING / INSPECTION REPORT

Testing photos

After test-1 (Operating)



After test-2 (Operating)



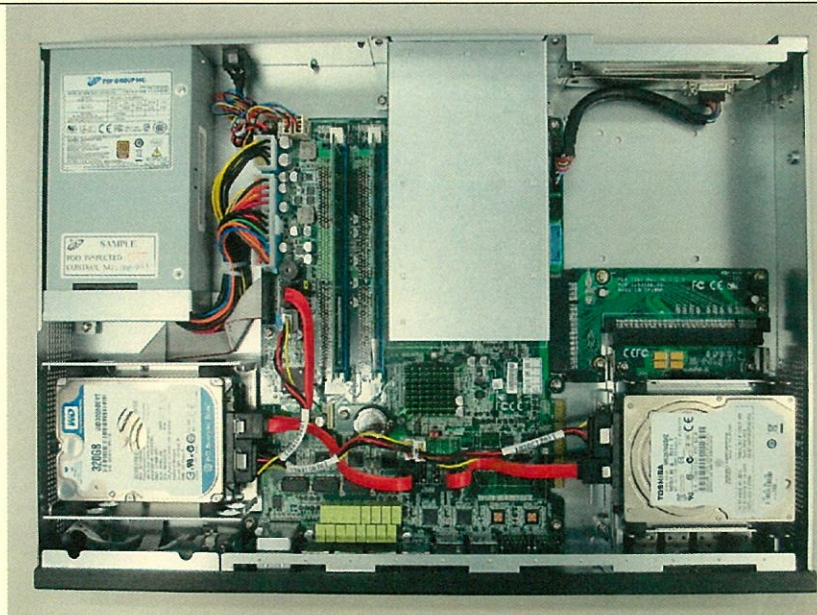
TESTING / INSPECTION REPORT

Testing photos

After test-1 (Non-Operating)



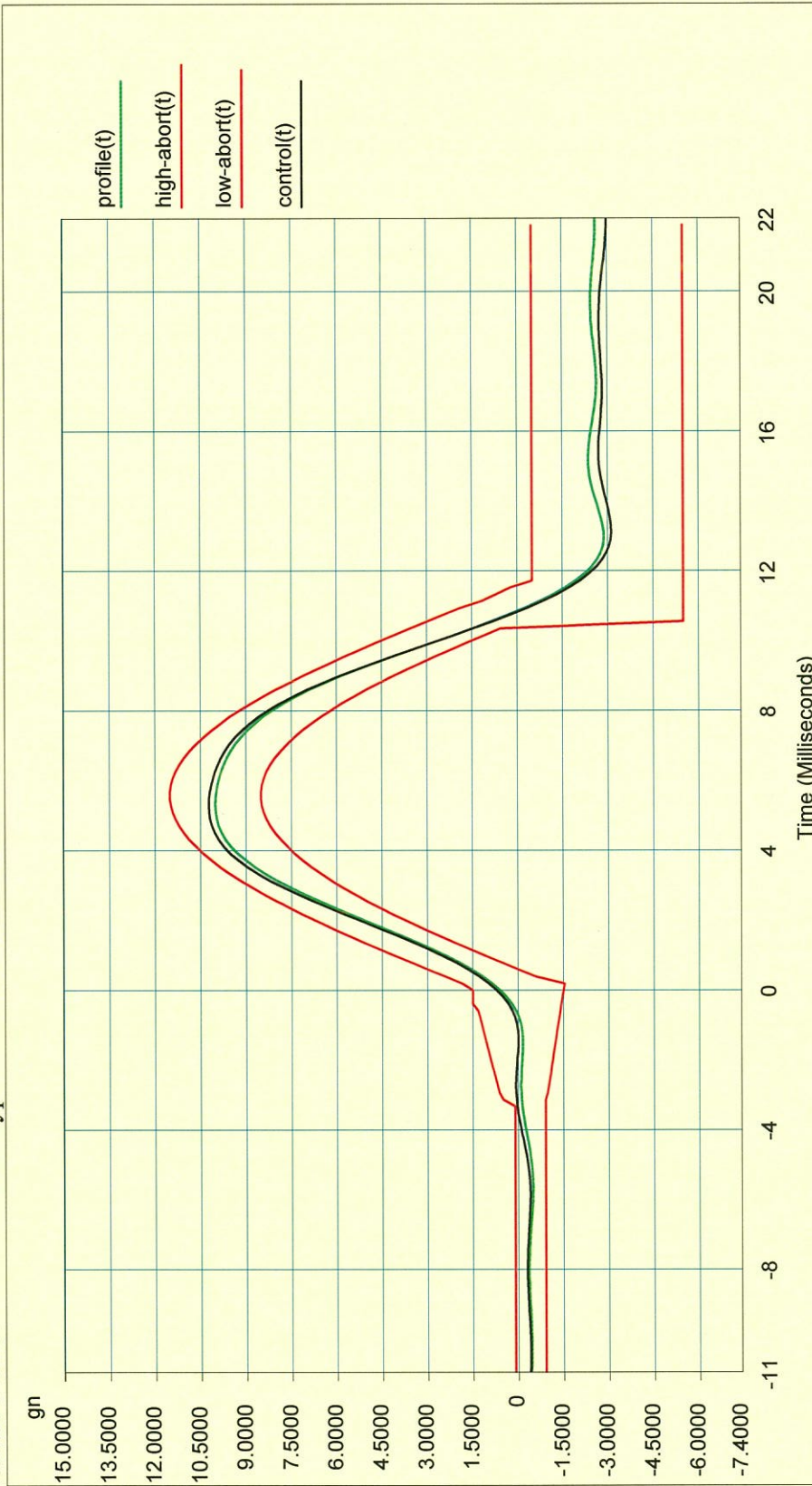
After test-2 (Non-Operating)



+X axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-09-01



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.222183 Control RMS: 1.523570
 dt: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms

-X axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-17-54



Level: 100 % Block Size: 2048 Elapsed Pulses: 11
 Frame Time: 0.400000 Seconds Control Peak: 10.261270 Control RMS: 1.525755 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms

+Y axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-37-47



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.137335 Control RMS: 1.521825 Demand RMS: 1.462814 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814 Pulse Width: 11.000000 ms
 Pulse Type: Half Sine Amplitude: 10.000000

-Y axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-28-34



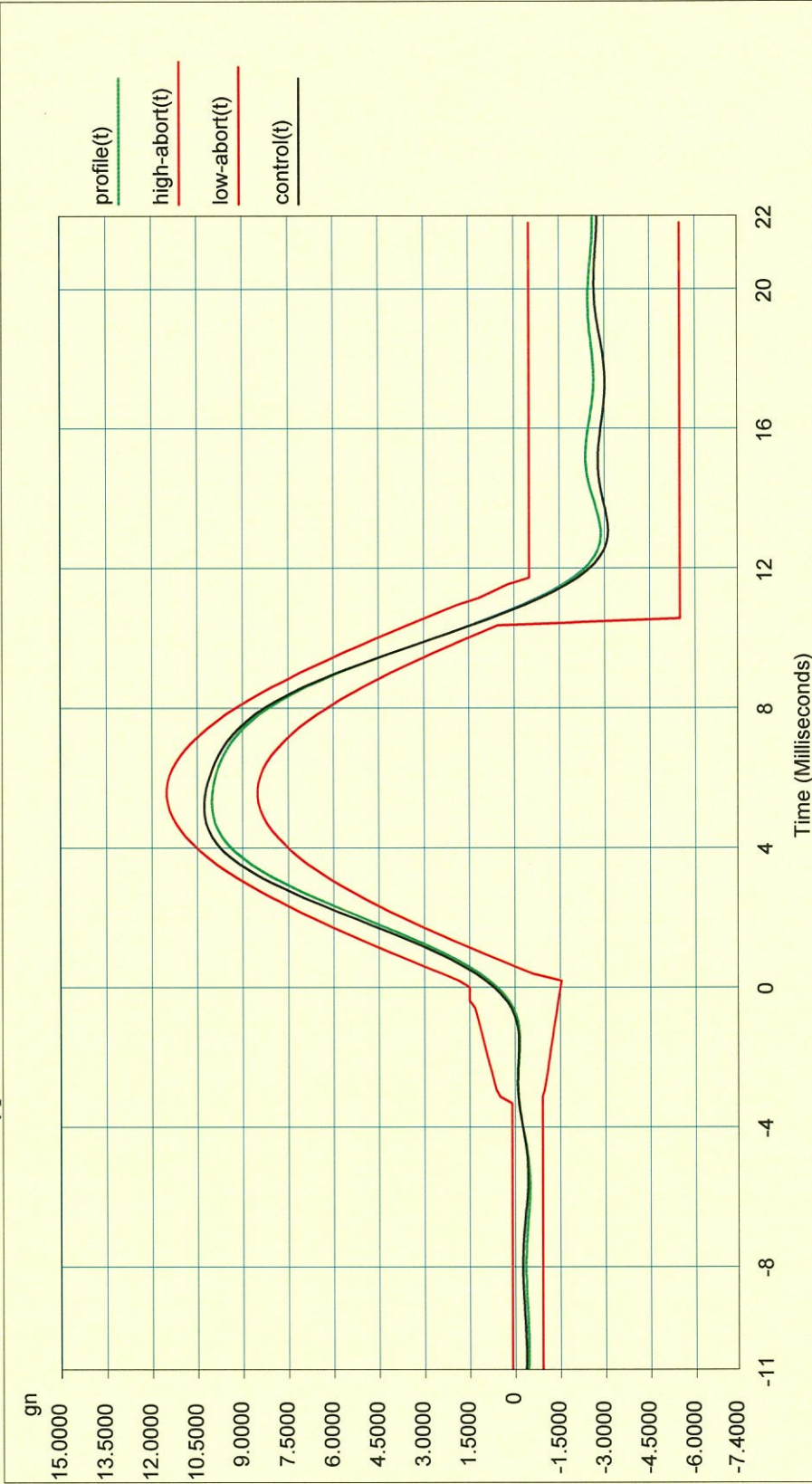
Level: 100 % Block Size: 2048 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.148934 Control RMS: 1.521817 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814
 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms



+Z axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .RunDefault Dec 05, 2013 10-47-14

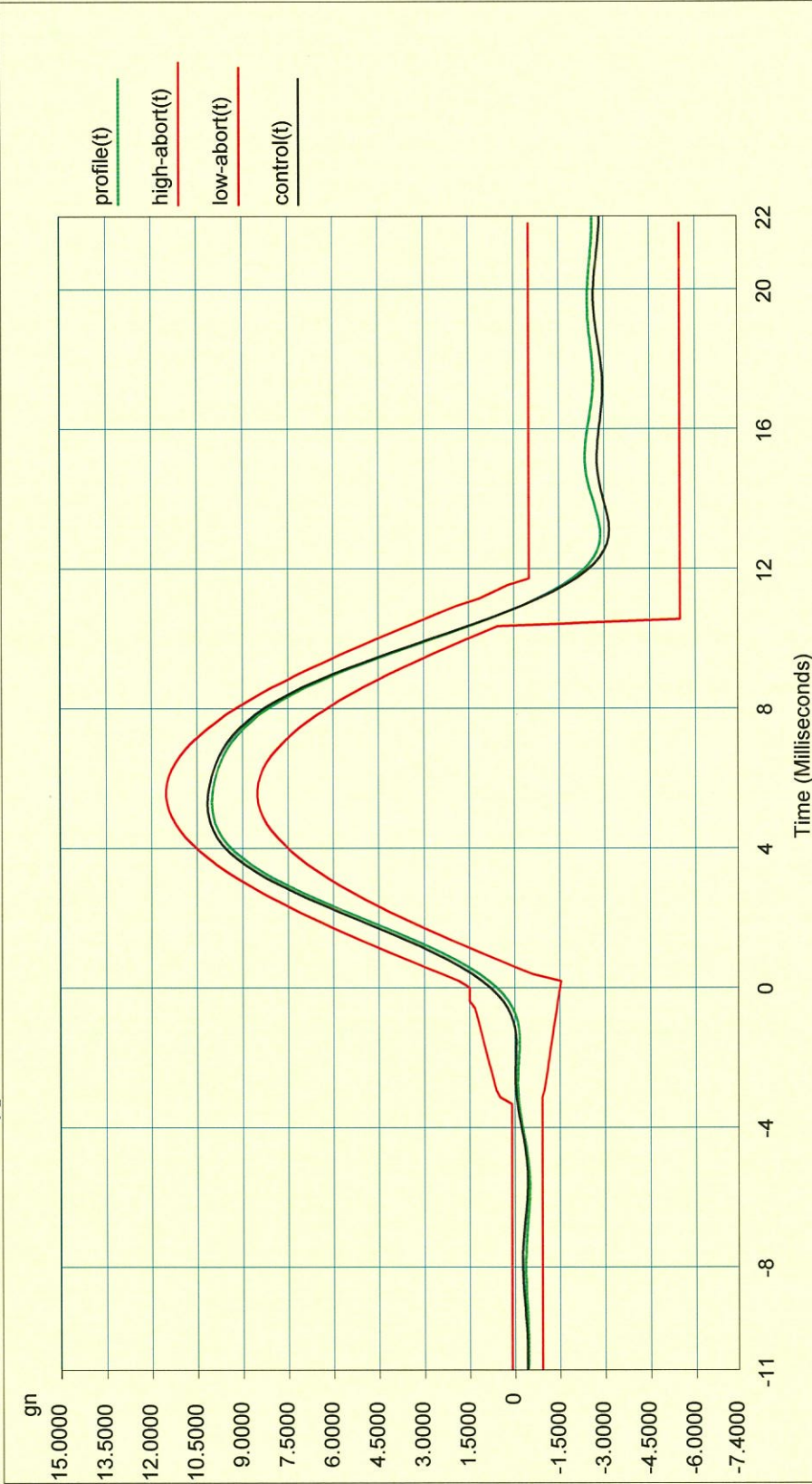


Level: 100 % Block Size: 2048 Elapsed Pulses: 11
 Frame Time: 0.400000 Seconds Control Peak: 10.260750 Control RMS: 1.526888 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms

-Z axis Operating

Project File Name: 10g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 10-59-23

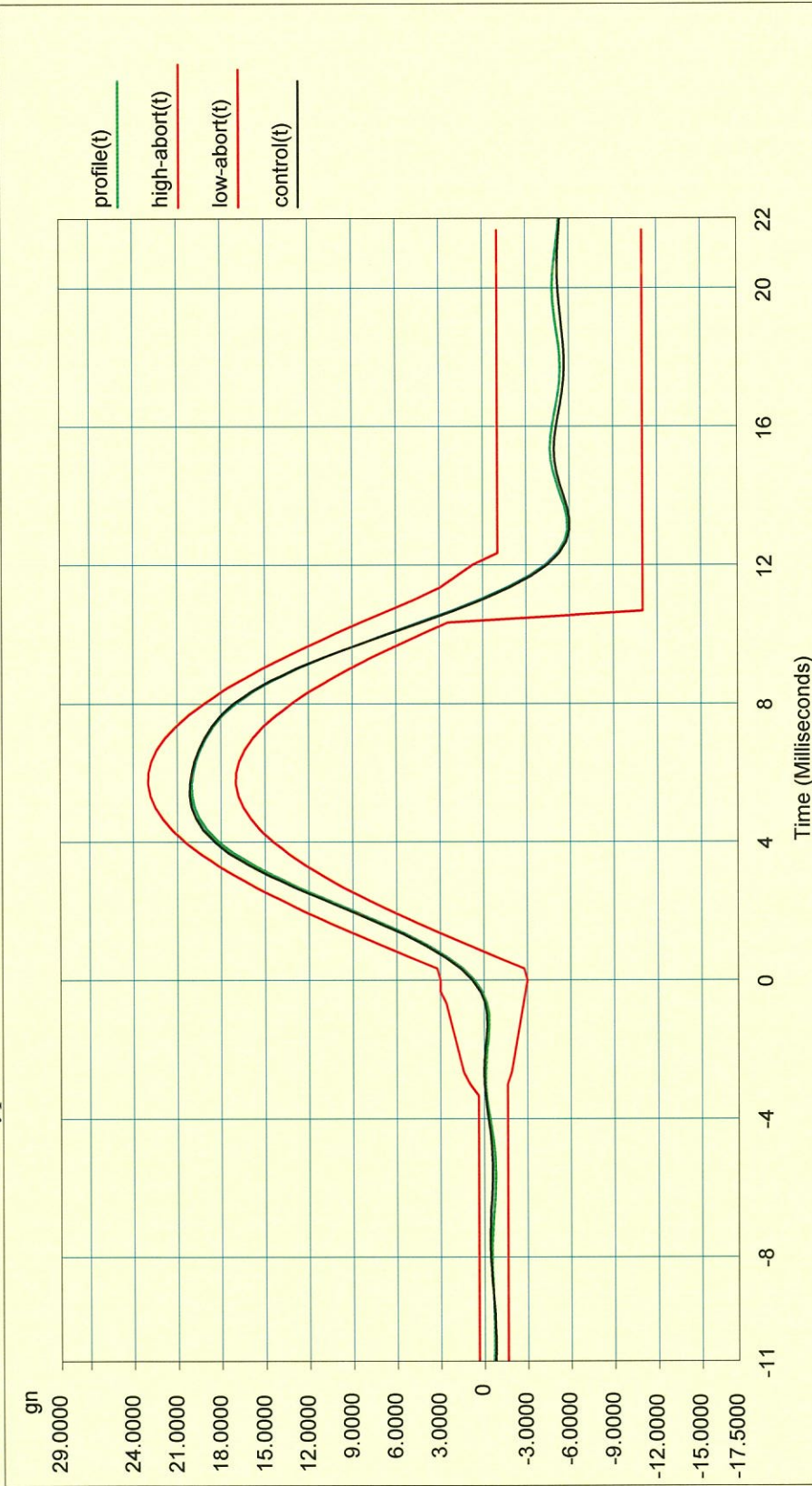


Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.147267 Control RMS: 1.521855 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.462814
 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms

+X axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .RunDefault Dec 05, 2013 13-07-23

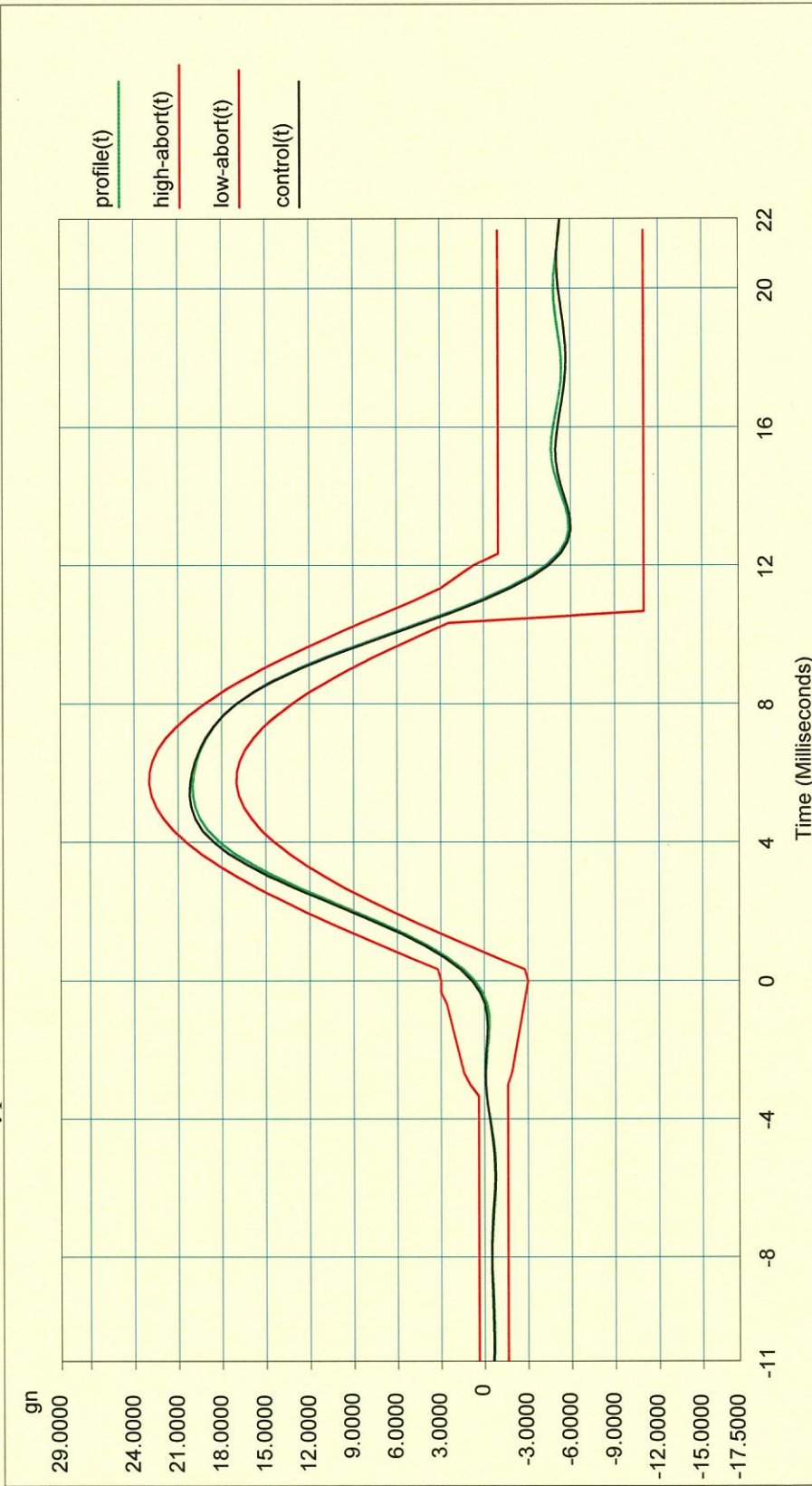


Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.119476 Control RMS: 2.289145 Remaining Pulses: 0
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-X axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 13-12-23



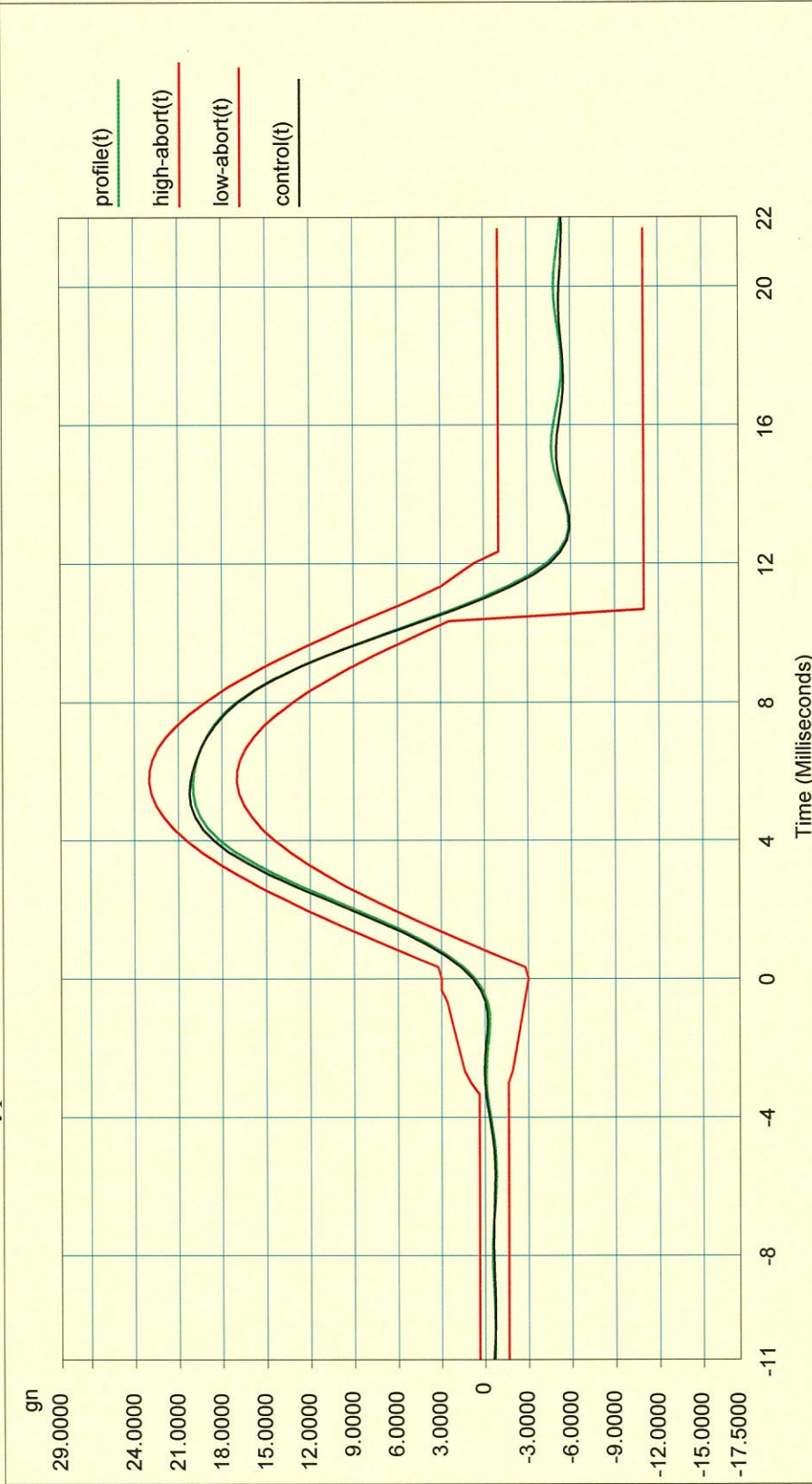
Level: 100 % Block Size: 2048 Elapsed Pulses: 13 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.192404 Control RMS: 2.288997 Remaining Pulses: 0
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



+Y axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-51-32



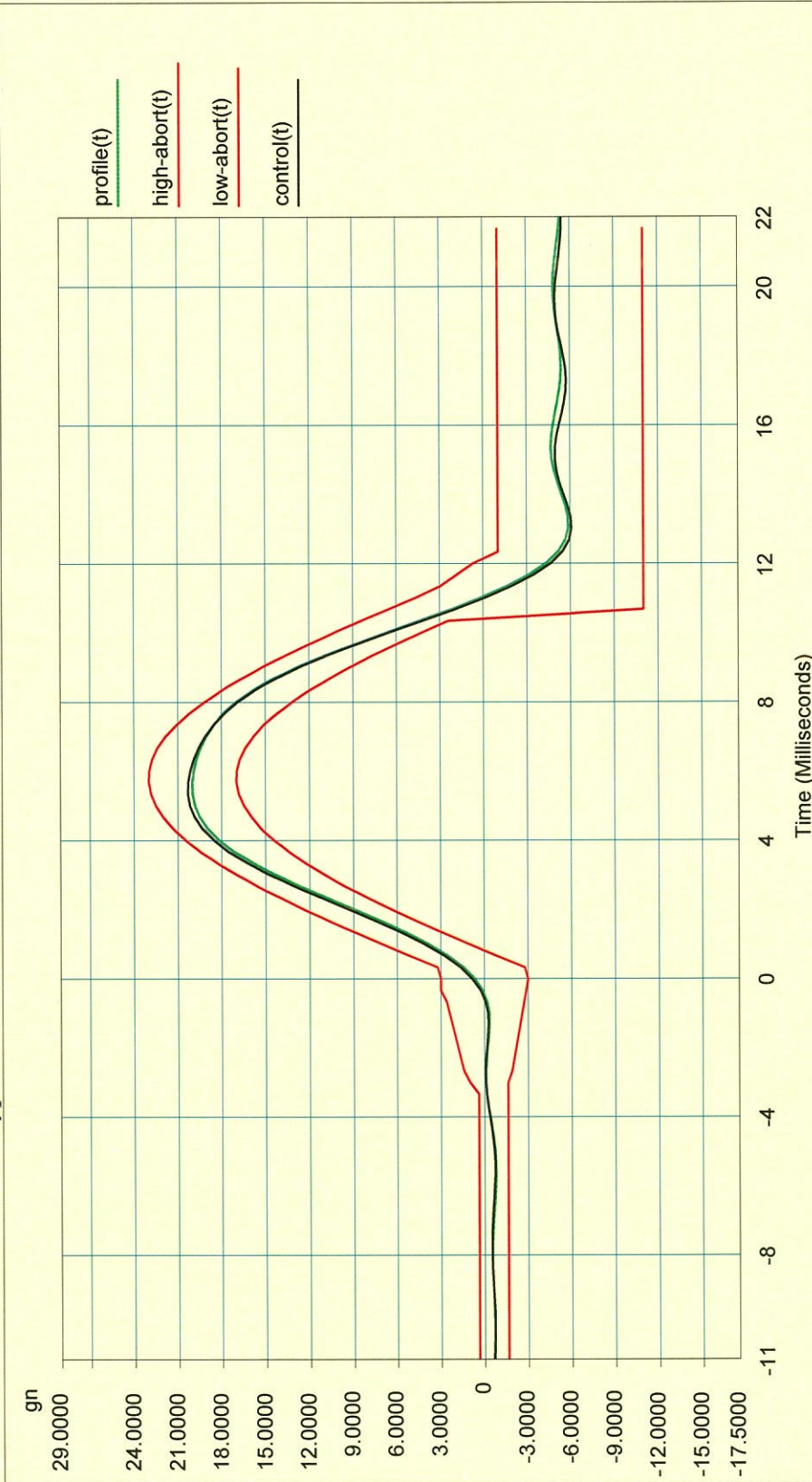
Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.215553 Control RMS: 2.291507 Remaining Pulses: 0
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Y axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Dec 05, 2013 11-55-32

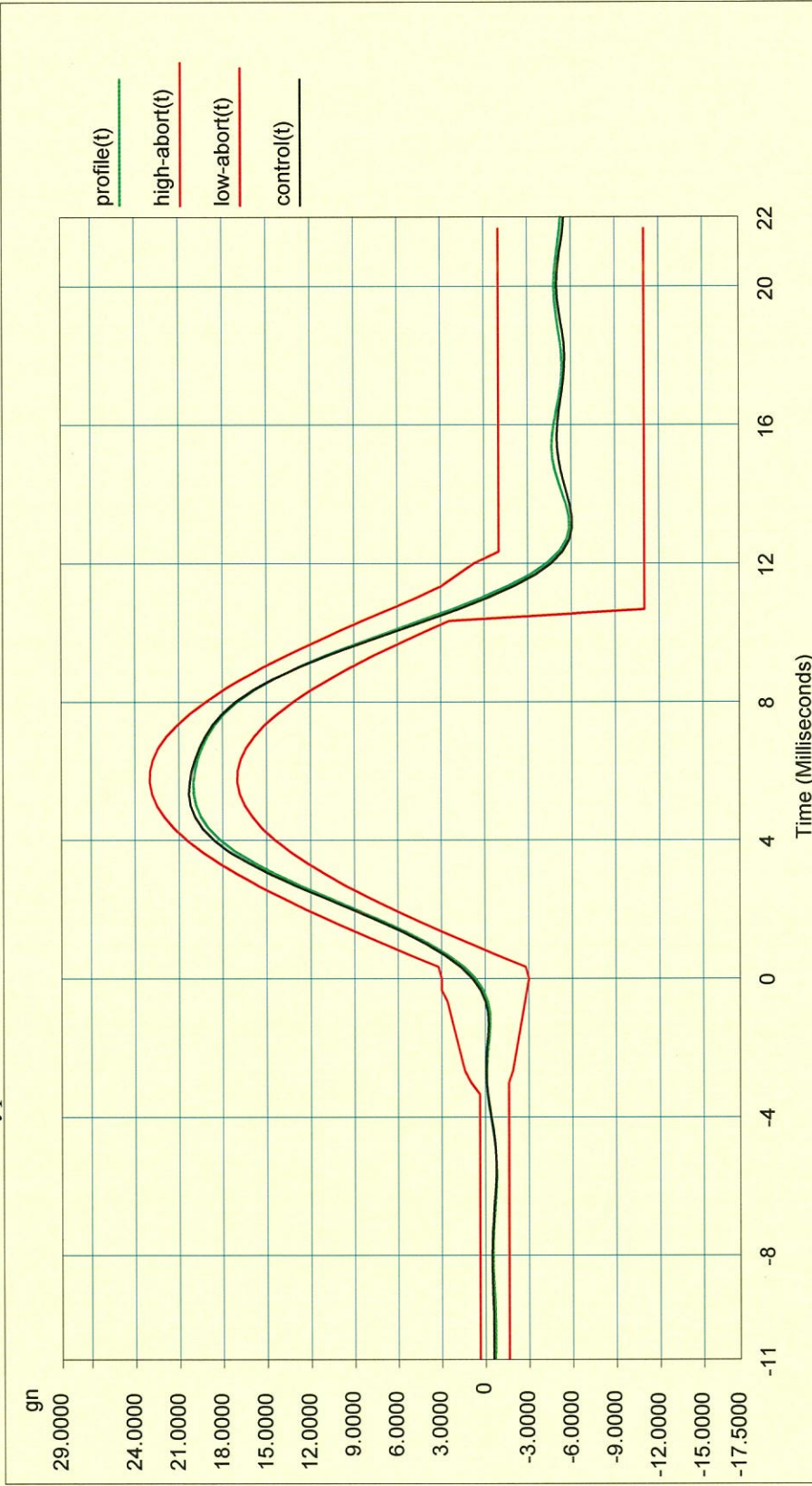


Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.289965 Control RMS: 2.294109 Remaining Pulses: 0
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Z axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .RunDefault Dec 05, 2013 13-19-38



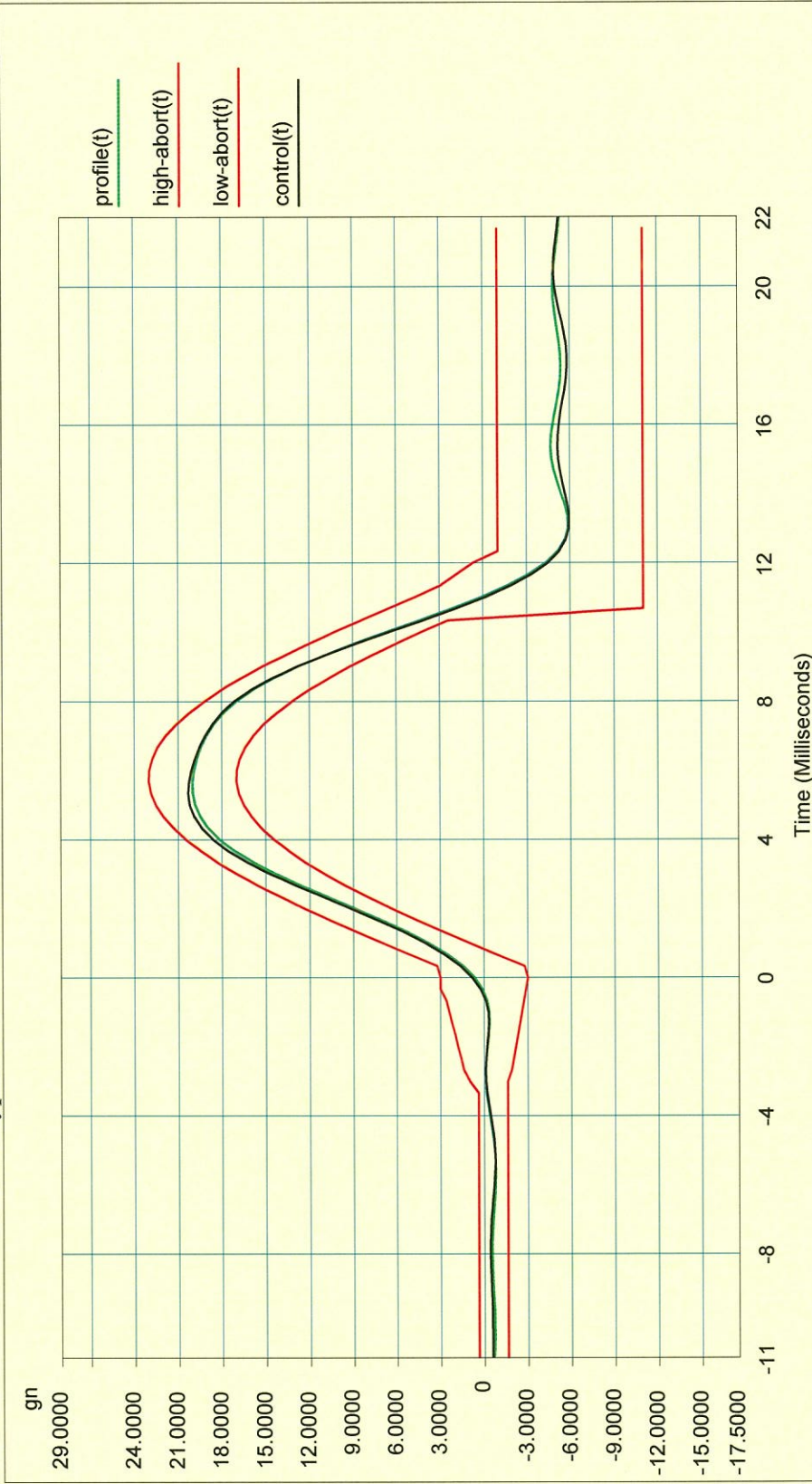
Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.288643 Control RMS: 2.295496 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



-Z axis Non-Operating

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .RunDefault Dec 05, 2013 13-22-51



Level: 100 % Block Size: 2048 Elapsed Pulses: 13 Full Level Elapsed Pulses: 3
 Frame Time: 0.682667 Seconds Control Peak: 20.278477 Control RMS: 2.296222 Remaining Pulses: 0
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-END-