

KING DESIGN INDUSTRIAL CO., LTD.

VIBRATION TEST LABORATORY

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

http://www.kdi.tw
http://www.vibration.com.tw
E-mail:service@kdi.tw

TESTING / INSPECTION REPORT

REPORT NO : ST-171107-2

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-2272(w/ eMMC + SATA DOM)
DATE OF RECEIVED : 2017/11/07
DATE OF TESTED : 2017/11/07

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 Ky</i>	
Approval Signatory :	Laboratory Head :
<i>2017.11.08 David Lee</i>	<i>Hsin Tai Chang</i>

金頓科技實驗

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TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,
S/N : GUG02102091
Controller : DACTRON LASER USB, S/N : 12448370
Control Accelerometer : WILCOXON RESEARCH WR-784A, S/N : 23116
Calibration Date : 2016/11/25

TEST ENVIRONMENT :

Temperature : 27°C (25±10°C)
Relative Humidity : 68%RH (50±20% RH)

SPECIMEN :

Model : FWS-2272(w/ eMMC + SATA DOM)
Quantity : 1 unit

TESTING / INSPECTION REPORT

TEST SPECIFICATION (1) :

As per applicant's requirement

Shock test (Operating)

- Wave Form : Half Sine wave
 Acceleration : 10 g
 Duration Time : 11 ms
 No. of Shock : Each axis 3 times
 Shock Direction : $\pm X$, $\pm Y$, $\pm Z$ axis

TEST SPECIFICATION (2) :

As per applicant's requirement

Shock test (Non-Operating)

- Wave Form : Half Sine wave
 Acceleration : 20 g
 Duration Time : 11 ms
 No. of Shock : Each axis 3 times
 Shock Direction : $\pm X$, $\pm Y$, $\pm Z$ axis

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.			

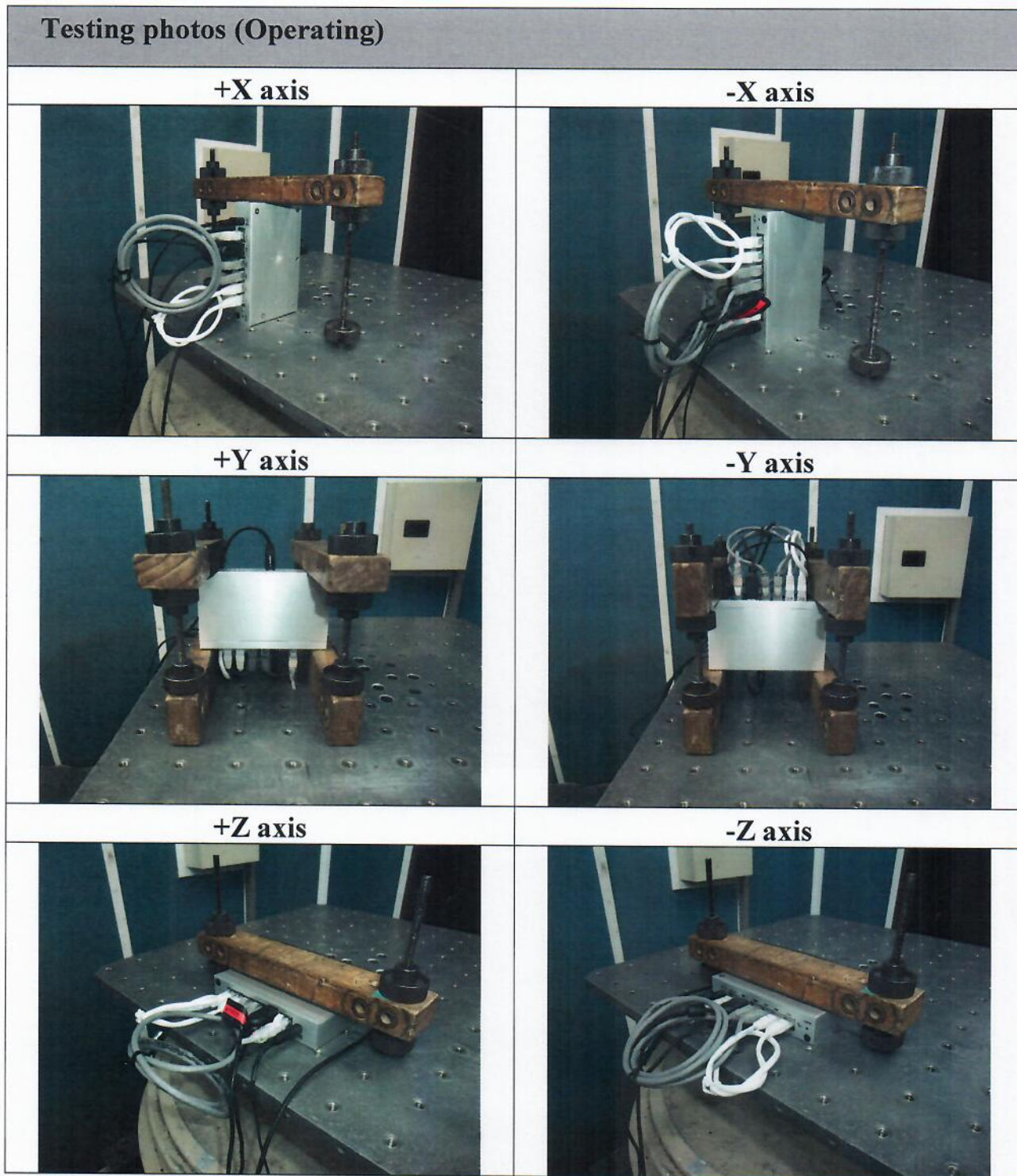
TESTING / INSPECTION REPORT

Testing photos (Operating)

Tester



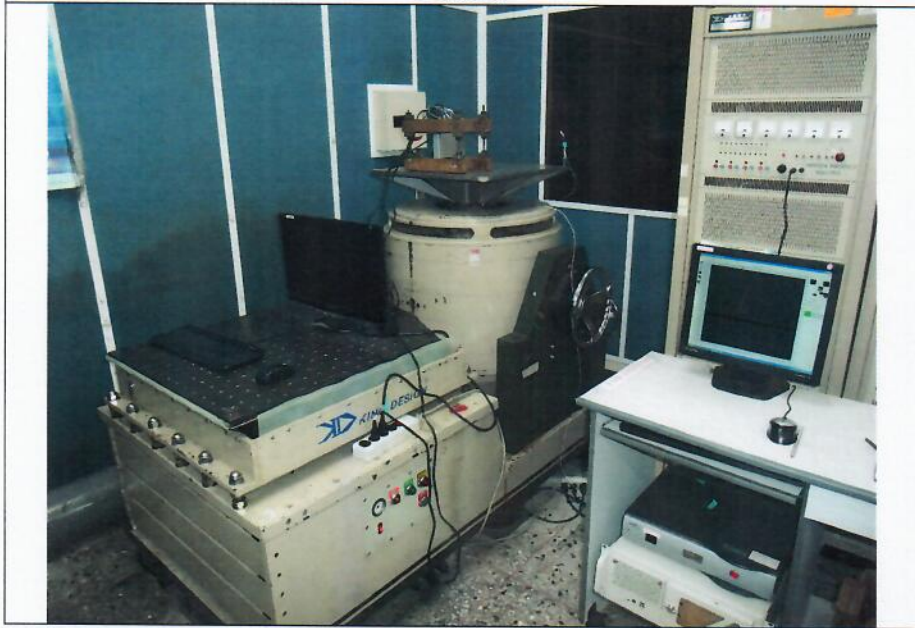
TESTING / INSPECTION REPORT



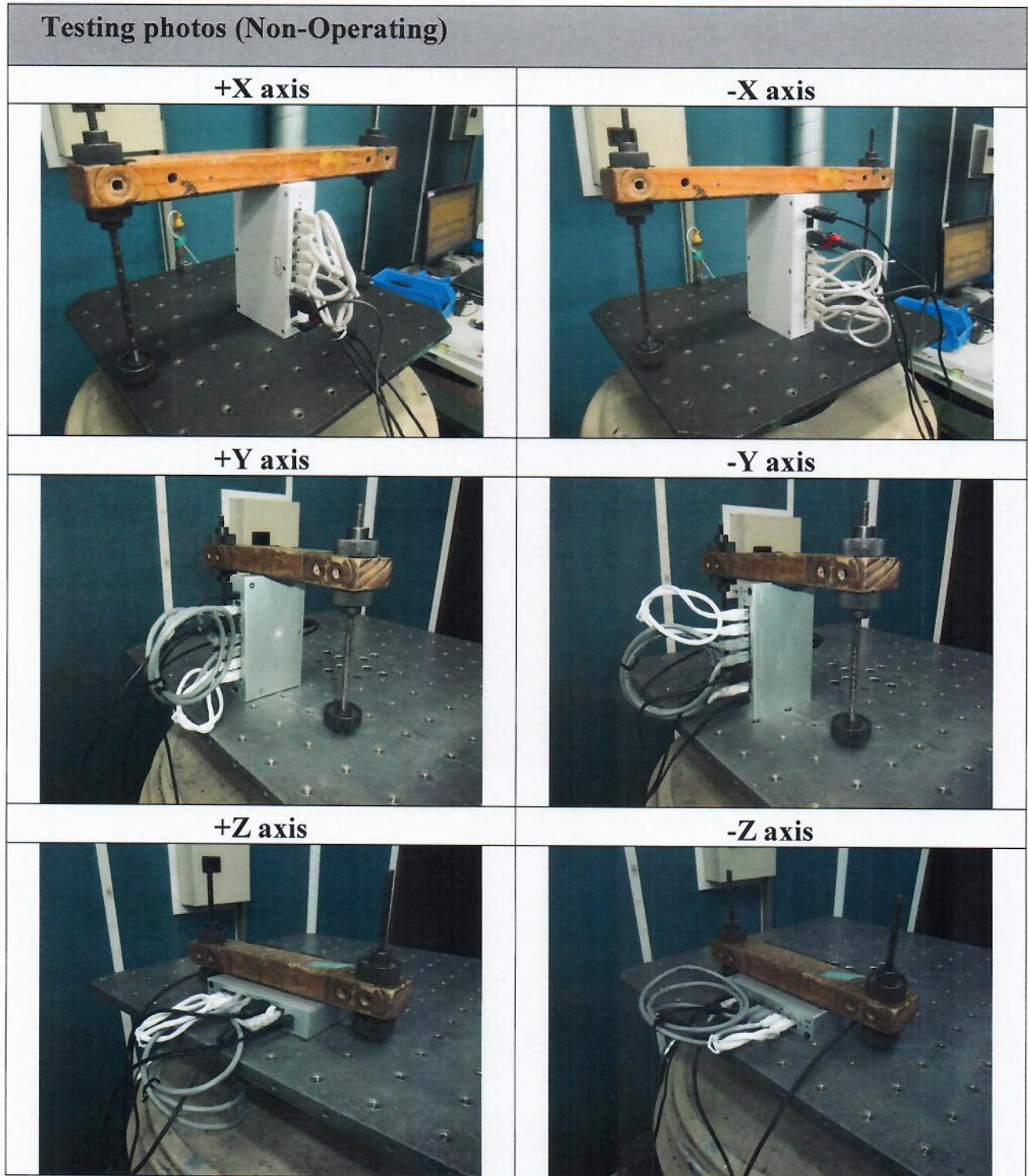
TESTING / INSPECTION REPORT

Testing photos (Non-Operating)

Tester



TESTING / INSPECTION REPORT



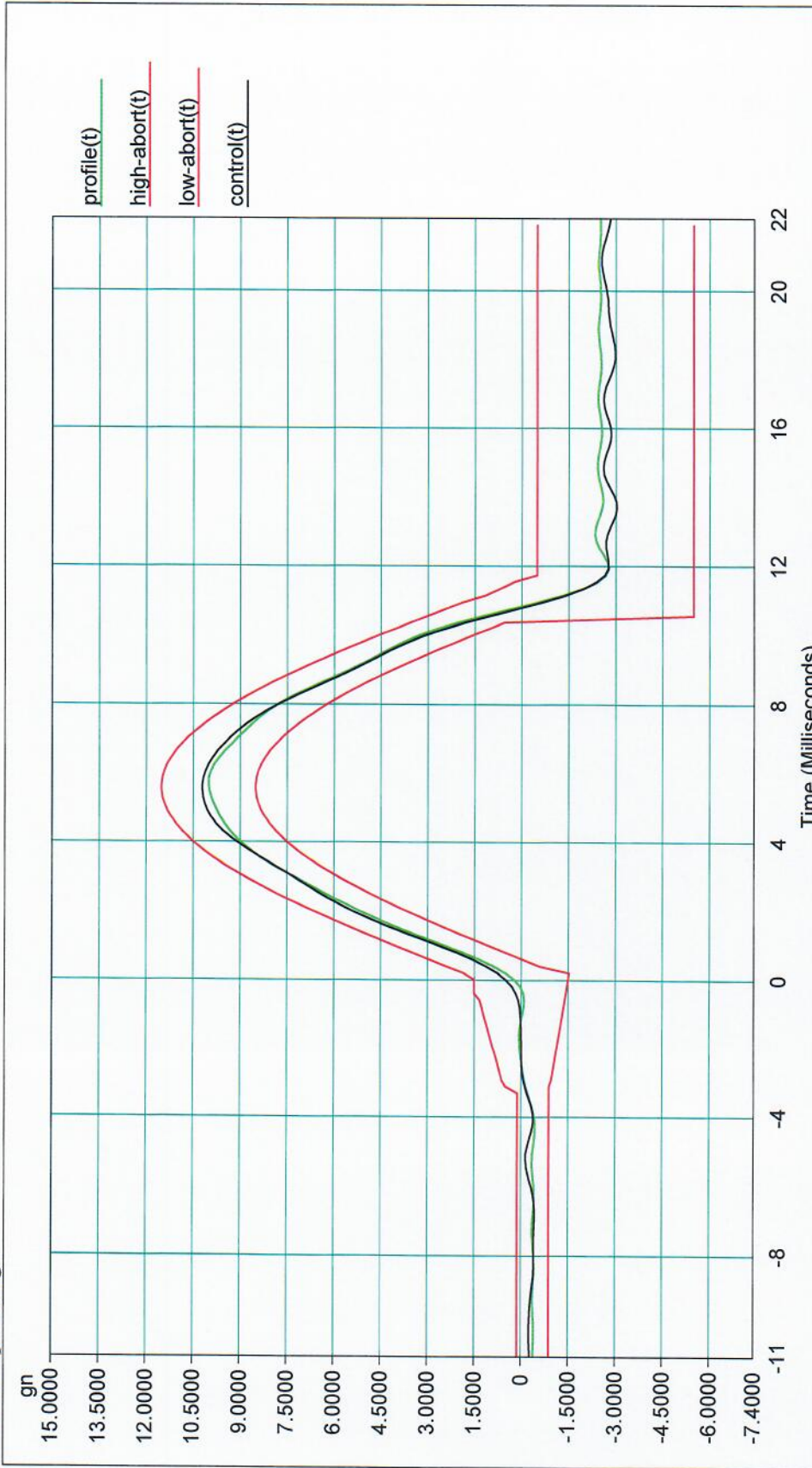
TESTING / INSPECTION REPORT

Testing photos

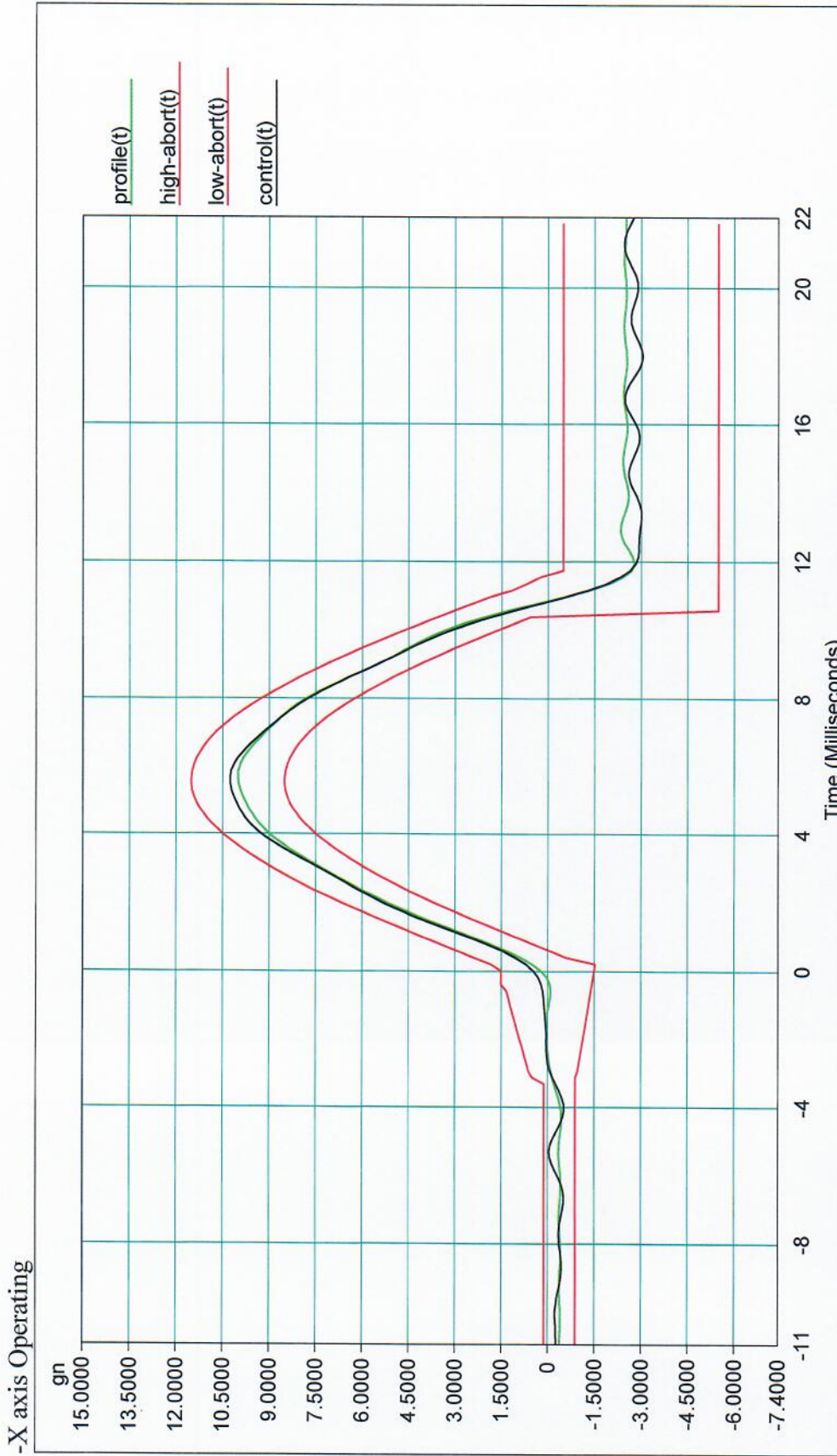
After test



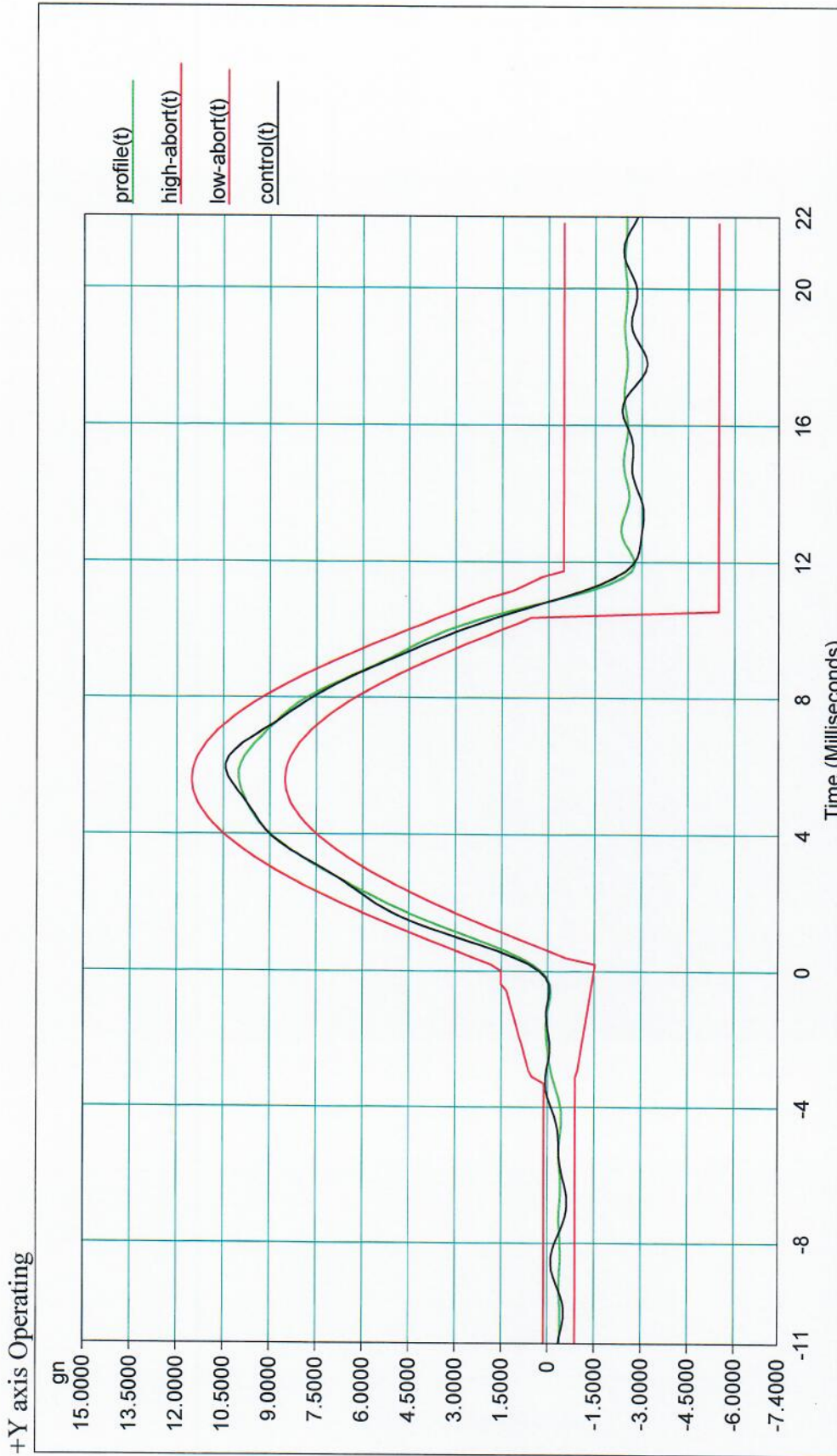
+X axis Operating



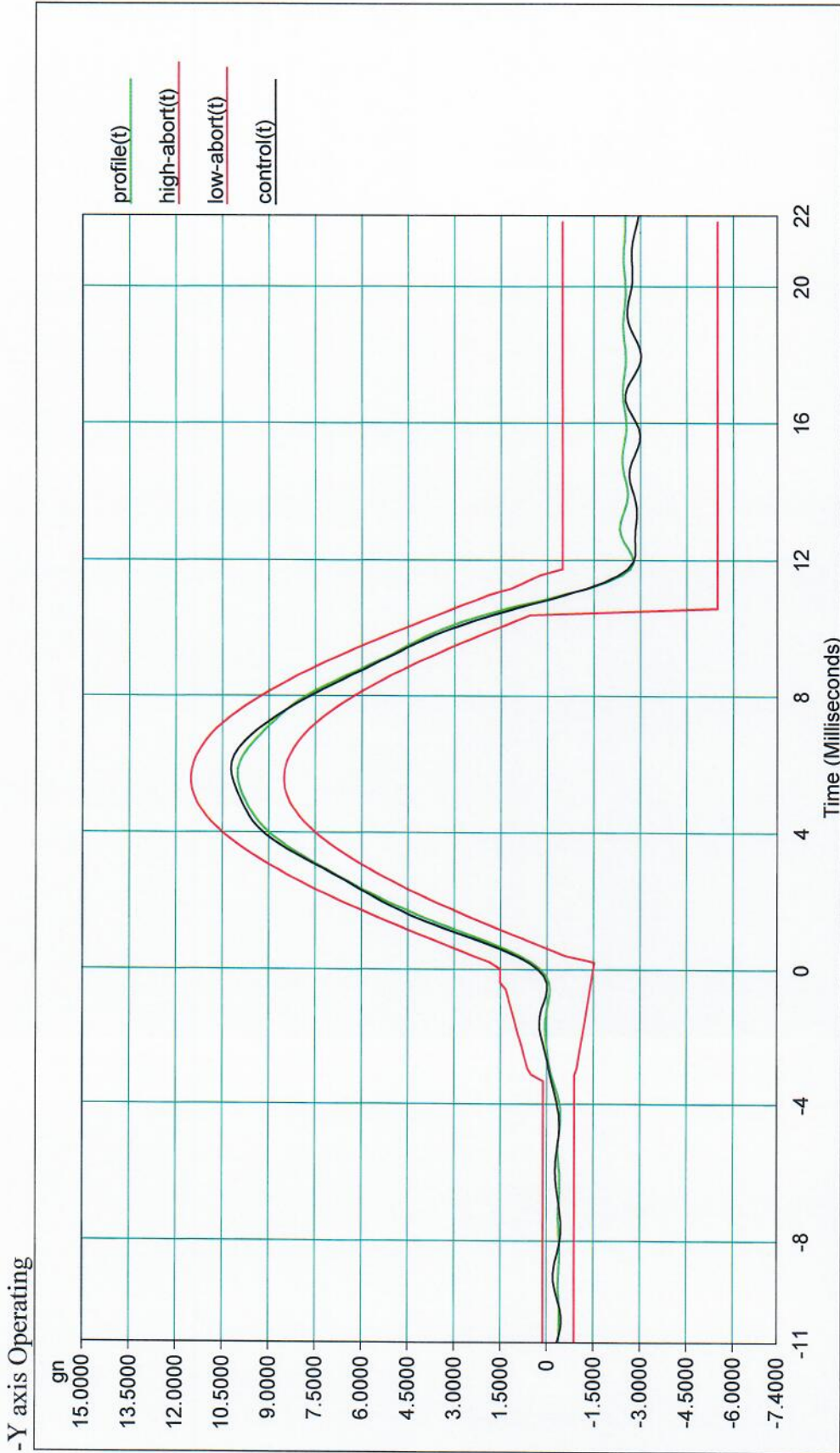
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 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.437777 Pulse Width: 11.000000 ms
 Pulse Type: Half Sine Amplitude: 10.000000



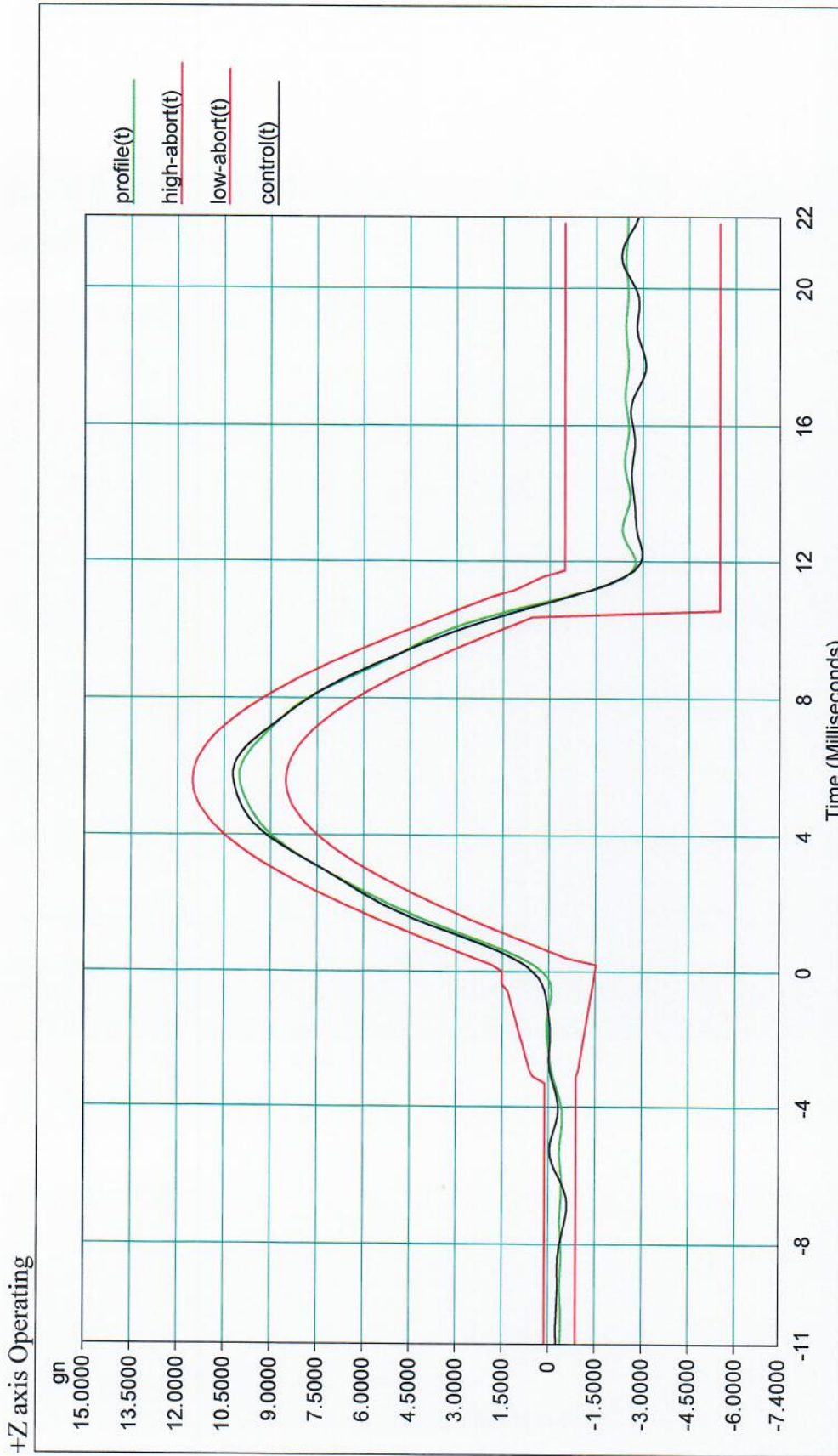
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 Pulse Type: Half Sine Amplitude: 10.000000



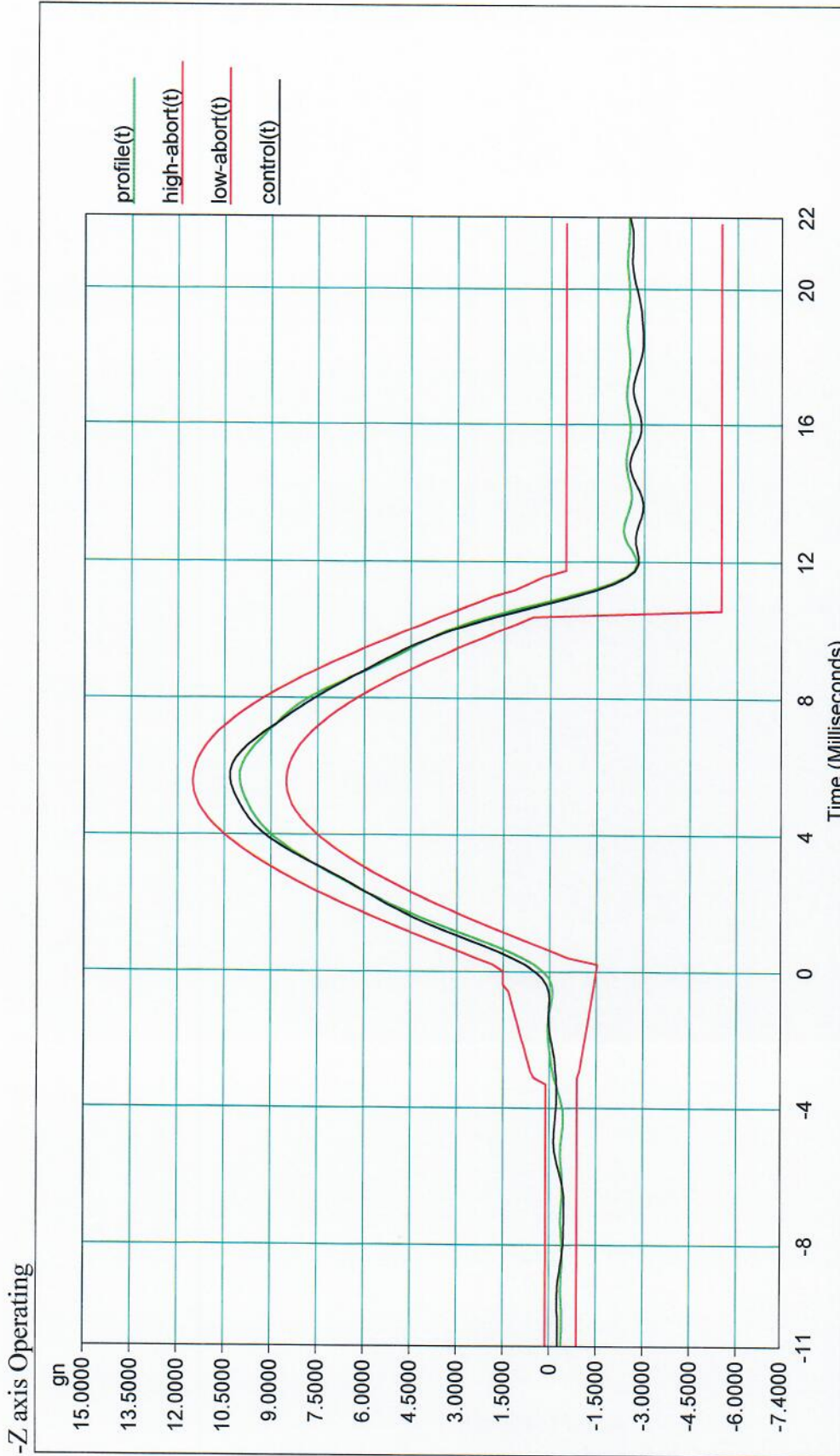
Level: 100 % Block Size: 2048 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.415551 Control RMS: 1.487404 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.437777 Pulse Width: 11.000000 ms
 Pulse Type: Half Sine Amplitude: 10.000000



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.221324 Control RMS: 1.482143 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 10.000000 Demand RMS: 1.437777 Pulse Width: 11.000000 ms
 Pulse Type: Half Sine Amplitude: 10.000000

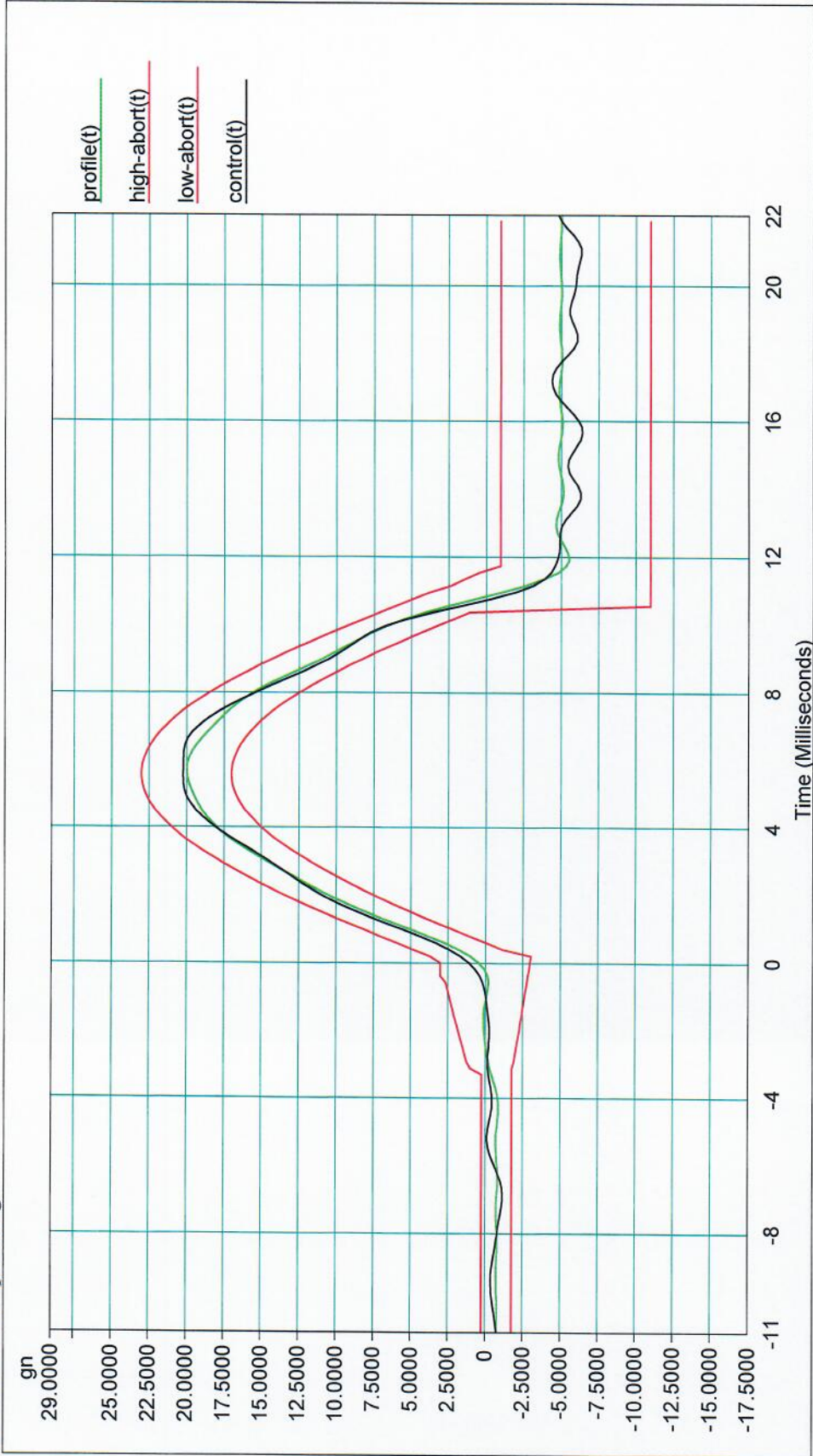


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 Frame Time: 0.400000 Seconds Control Peak: 10.212409 Control RMS: 1.485710 Remaining Pulses: 0
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 Pulse Type: Half Sine Amplitude: 10.000000 Pulse Width: 11.000000 ms



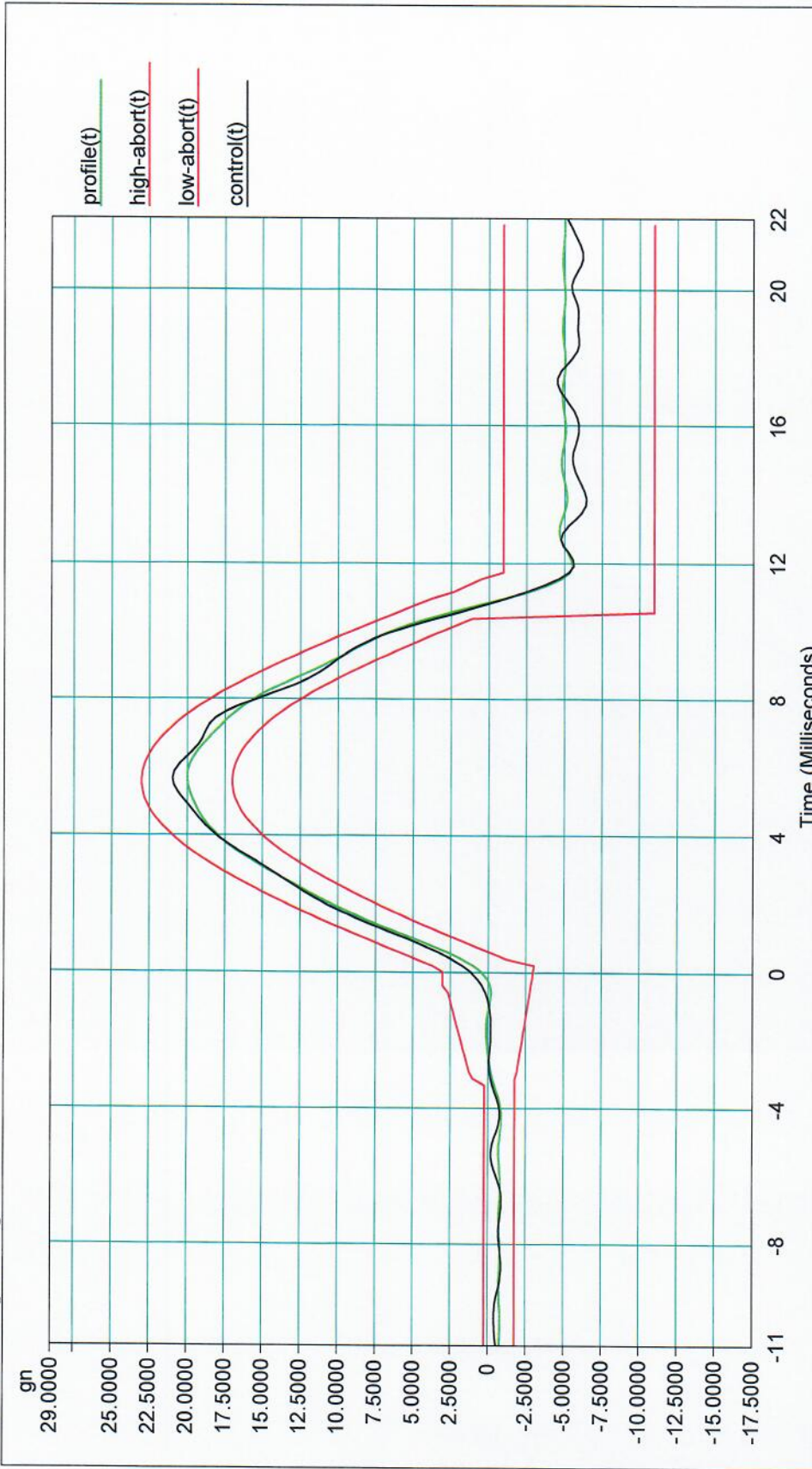
Level: 100 % Block Size: 2048 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 10.318524 Control RMS: 1.487521 Demand Peak: 10.000000 Demand RMS: 1.437777 Remaining Pulses: 0
 dT: 0.000195 Seconds Amplitude: 10.000000 Pulse Width: 11.000000 ms

+X axis Non-Operating



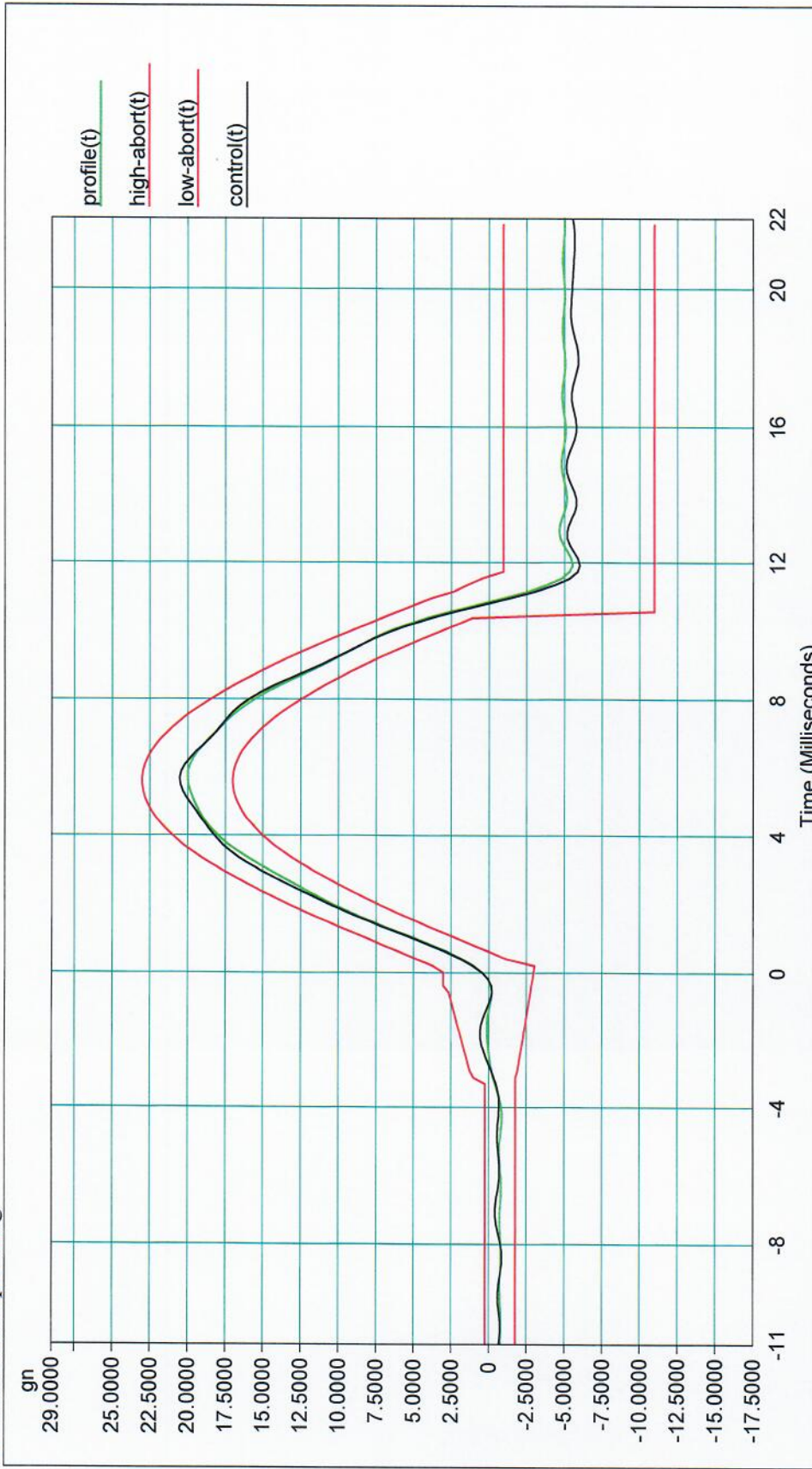
Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 20.231459 Control RMS: 2.970713 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-X axis Non-Operating



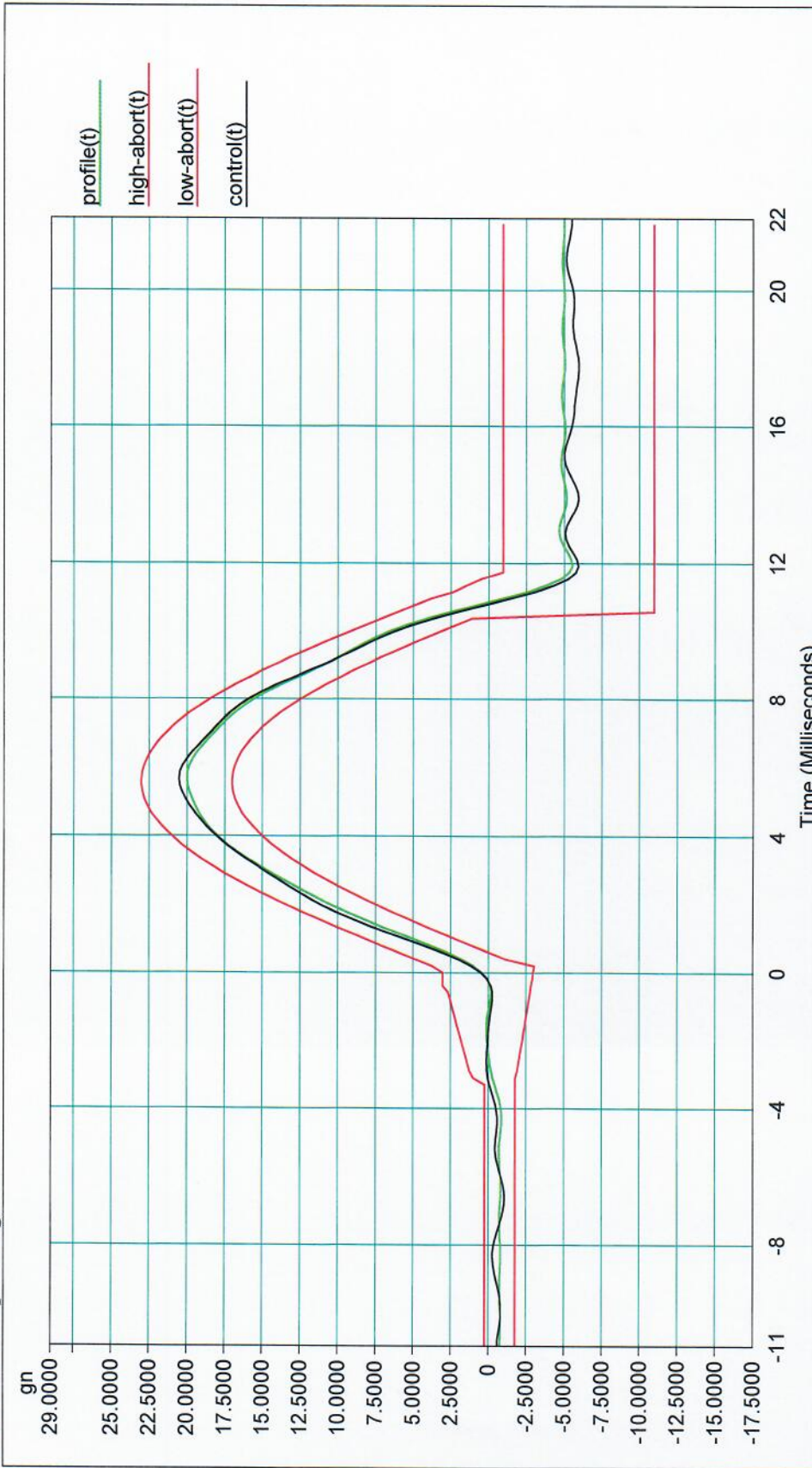
Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 20.968891 Control RMS: 2.972945 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

+Y axis Non-Operating

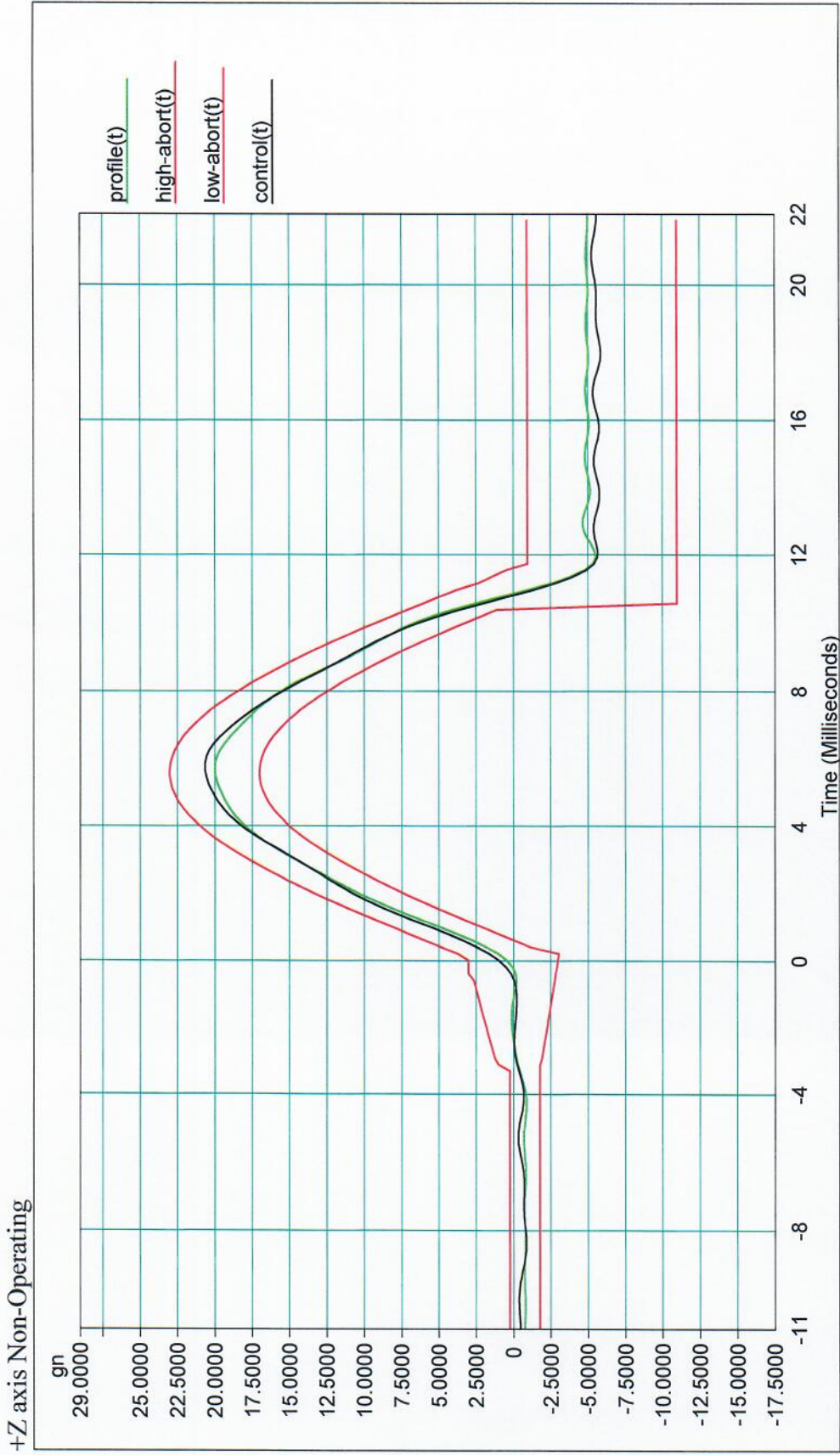


Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 20.534311 Control RMS: 2.972508 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-Y axis Non-Operating

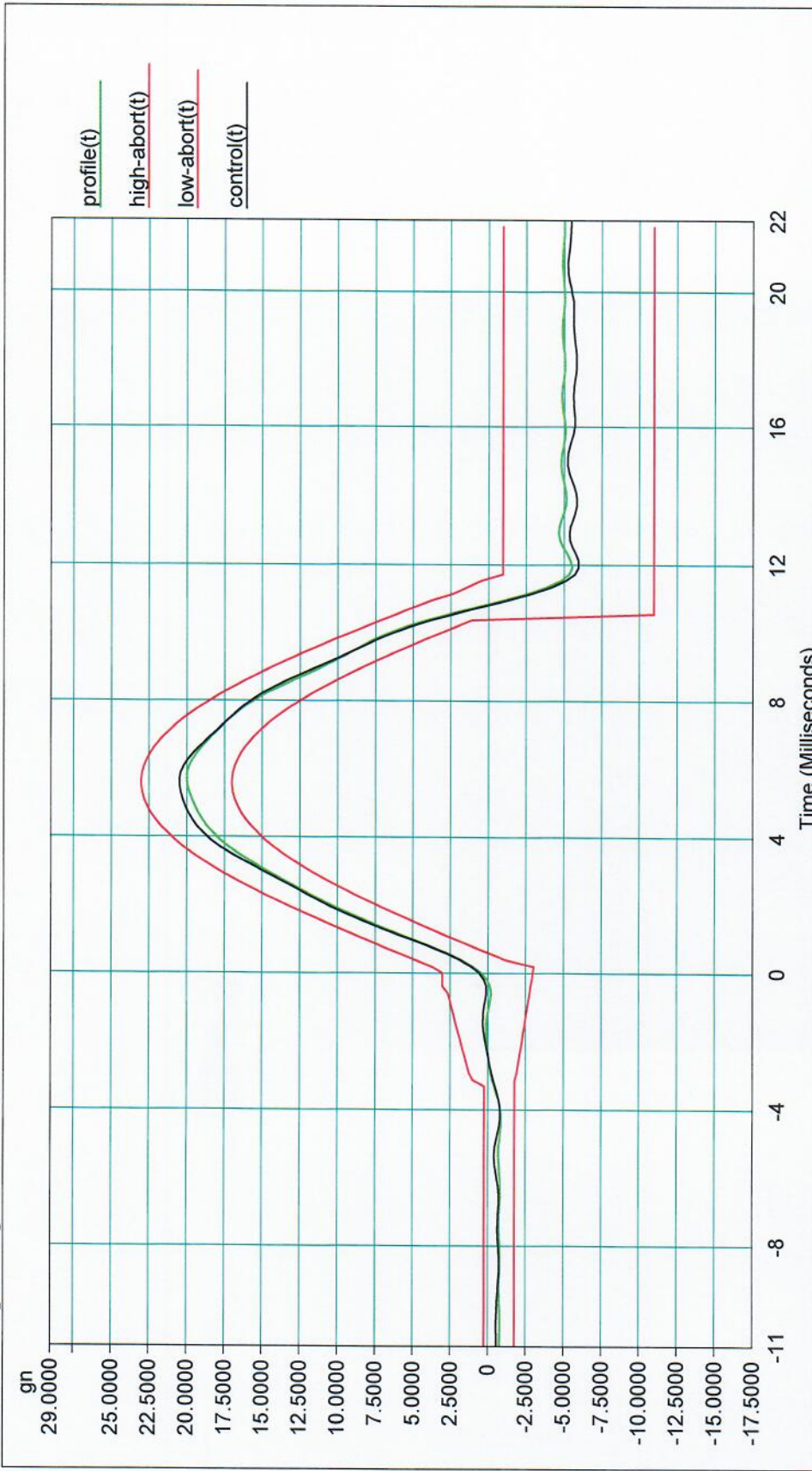


Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
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 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms



Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.400000 Seconds Control Peak: 20.658678 Control RMS: 2.973935 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

-Z axis Non-Operating



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3
 Frame Time: 0.400000 Seconds Control Peak: 20.482174 Control RMS: 2.977505 Remaining Pulses: 0
 dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms
 -END-