

**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-170811-1

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-2273 (With 2.5" SATA HDD)  
DATE OF RECEIVED : 2017/08/11  
DATE OF TESTED : 2017/08/11

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

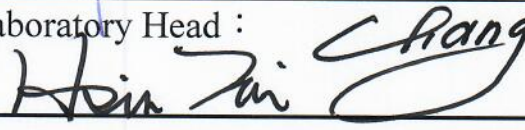
Test Engineer :

Approval Signatory :

2017.8.16



Laboratory Head :



金頓科技實驗室

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## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,  
S/N : KDS11054783  
Controller : VCS-913+, S/N : 1312416  
Control Accelerometer : Wilcoxon Research WR-777, S/N : 4208  
Calibration Date : 2016/11/25

### TEST ENVIRONMENT :

Temperature : 28°C (25±10°C)  
Relative Humidity : 68%RH (50±20% RH)

### SPECIMEN :

Model : FWS-2273 (With 2.5" SATA HDD)  
Quantity : 1 unit

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### 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 <sup>(1)</sup>  | √    | ---  | ---          |
| Appearance check <sup>(2)</sup>   | √    | ---  | ---          |
| (1)—Booting function was normal after the test.<br>(2)—No visible damages were found. |      |      |              |

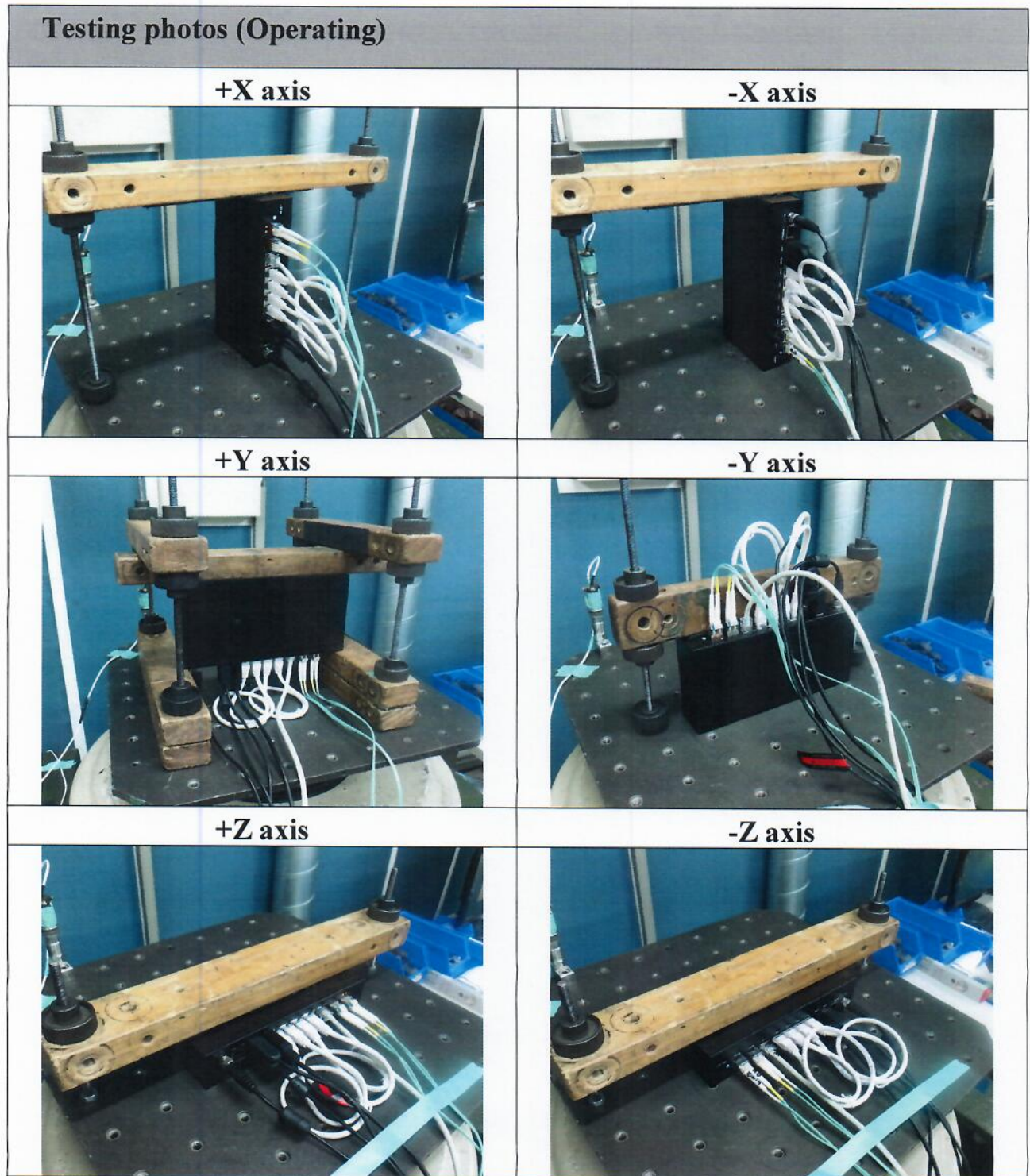
## TESTING / INSPECTION REPORT

### Testing photos (Operating)

#### Tester



## TESTING / INSPECTION REPORT



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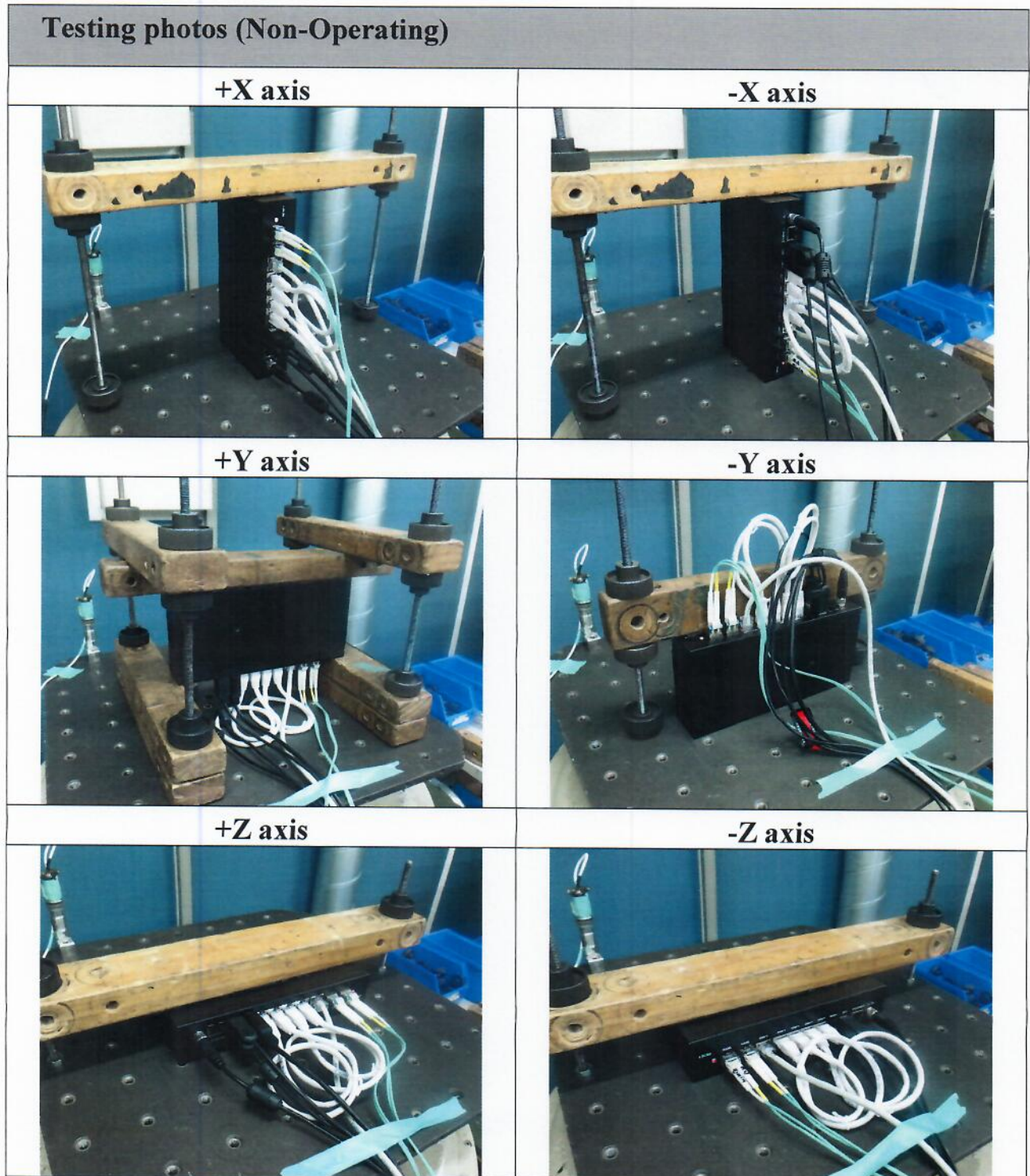
## TESTING / INSPECTION REPORT

### Testing photos (Non-Operating)

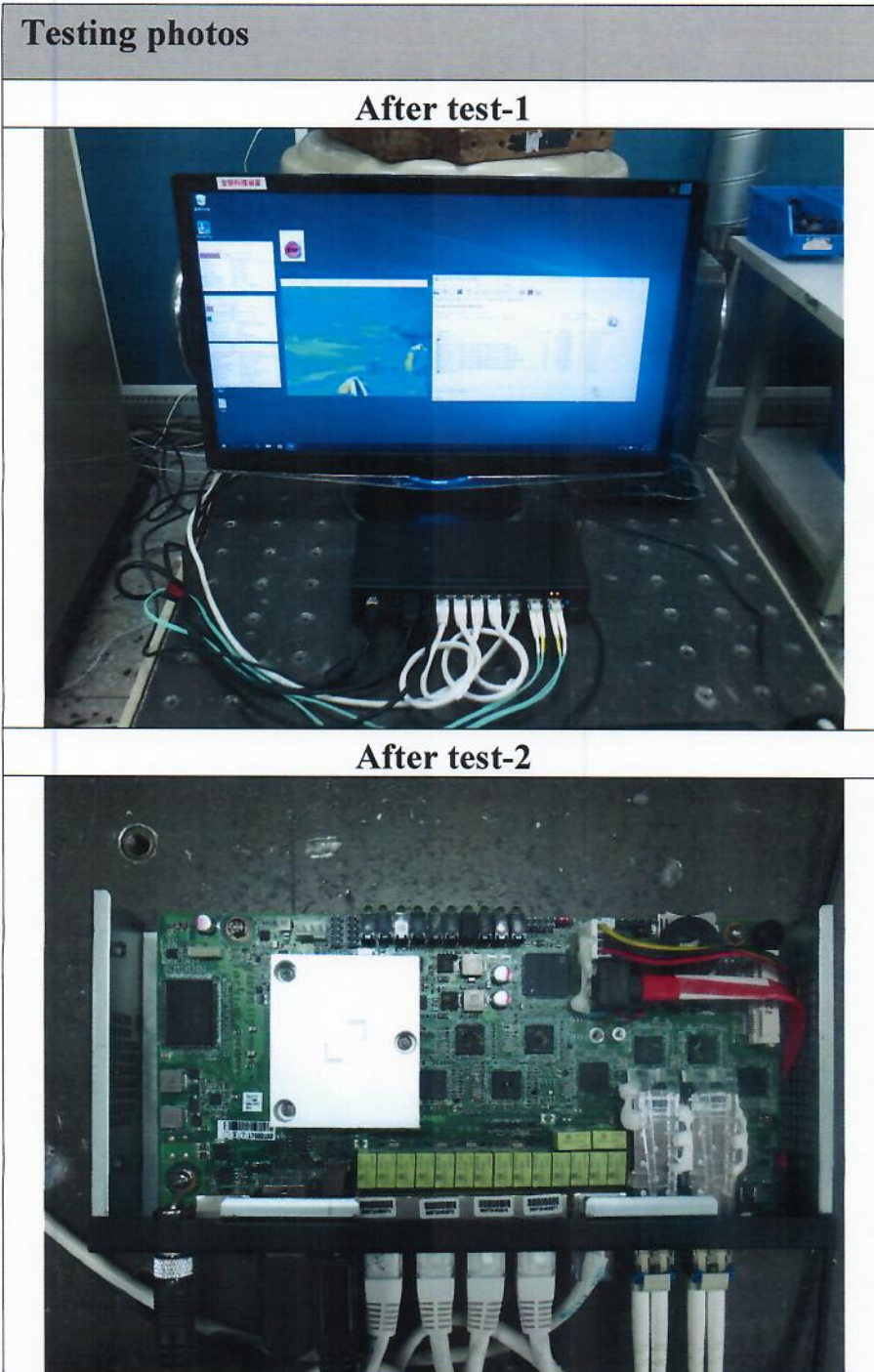
#### Tester



## TESTING / INSPECTION REPORT



## TESTING / INSPECTION REPORT





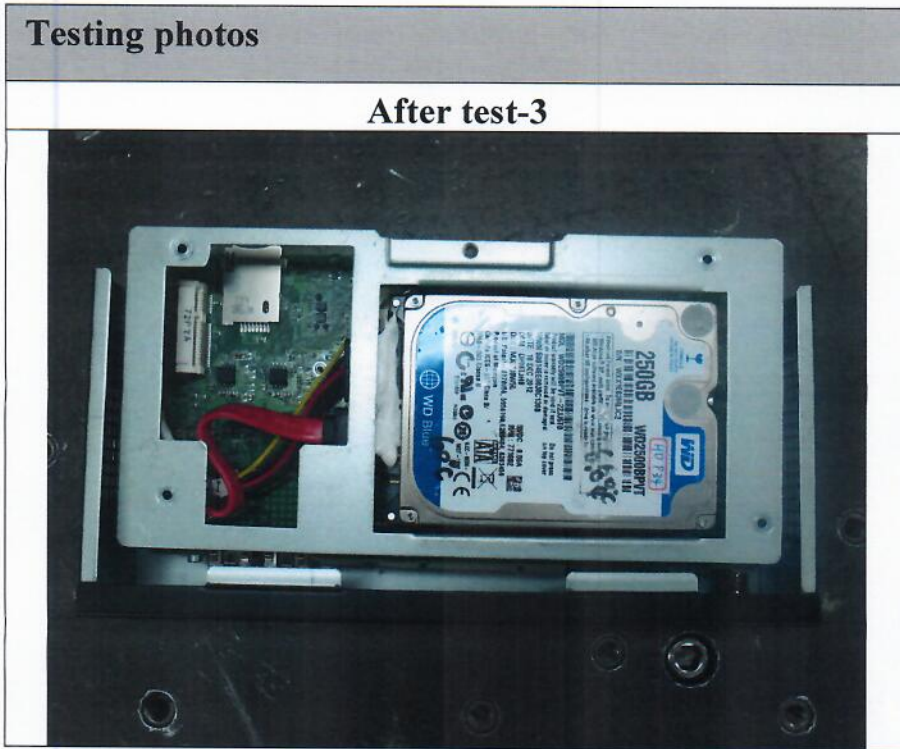
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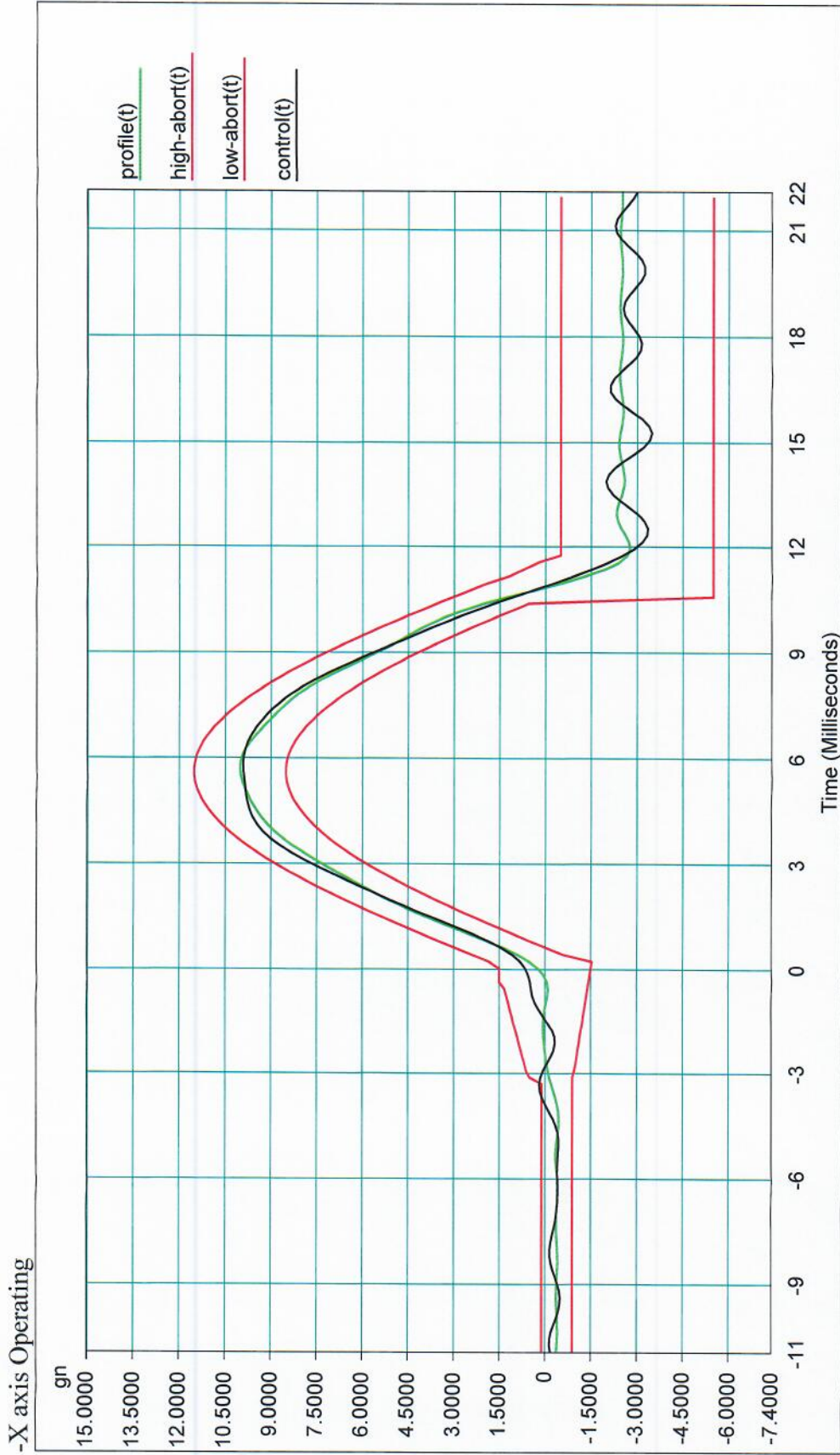
## TESTING / INSPECTION REPORT



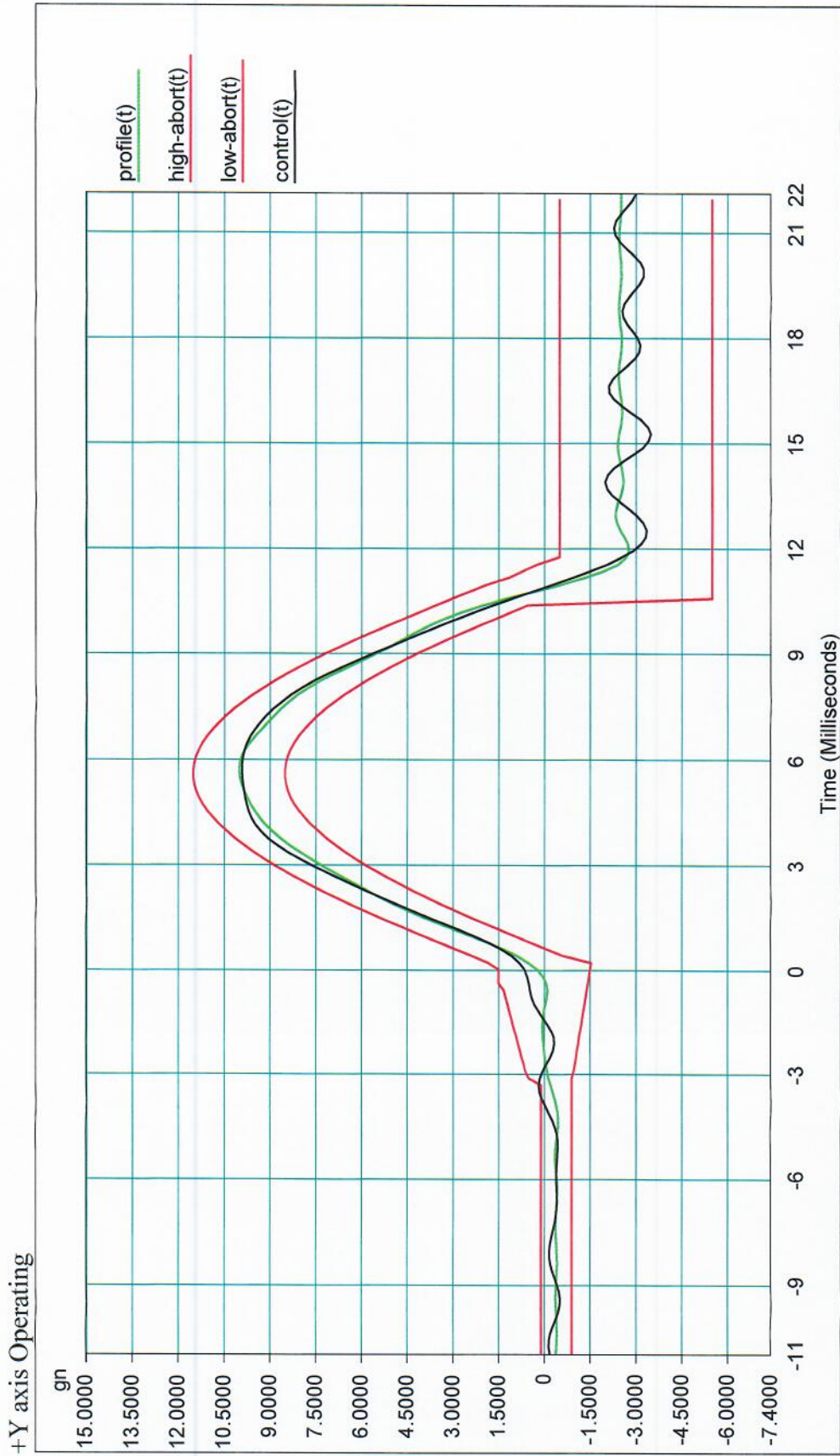
+X axis Operating



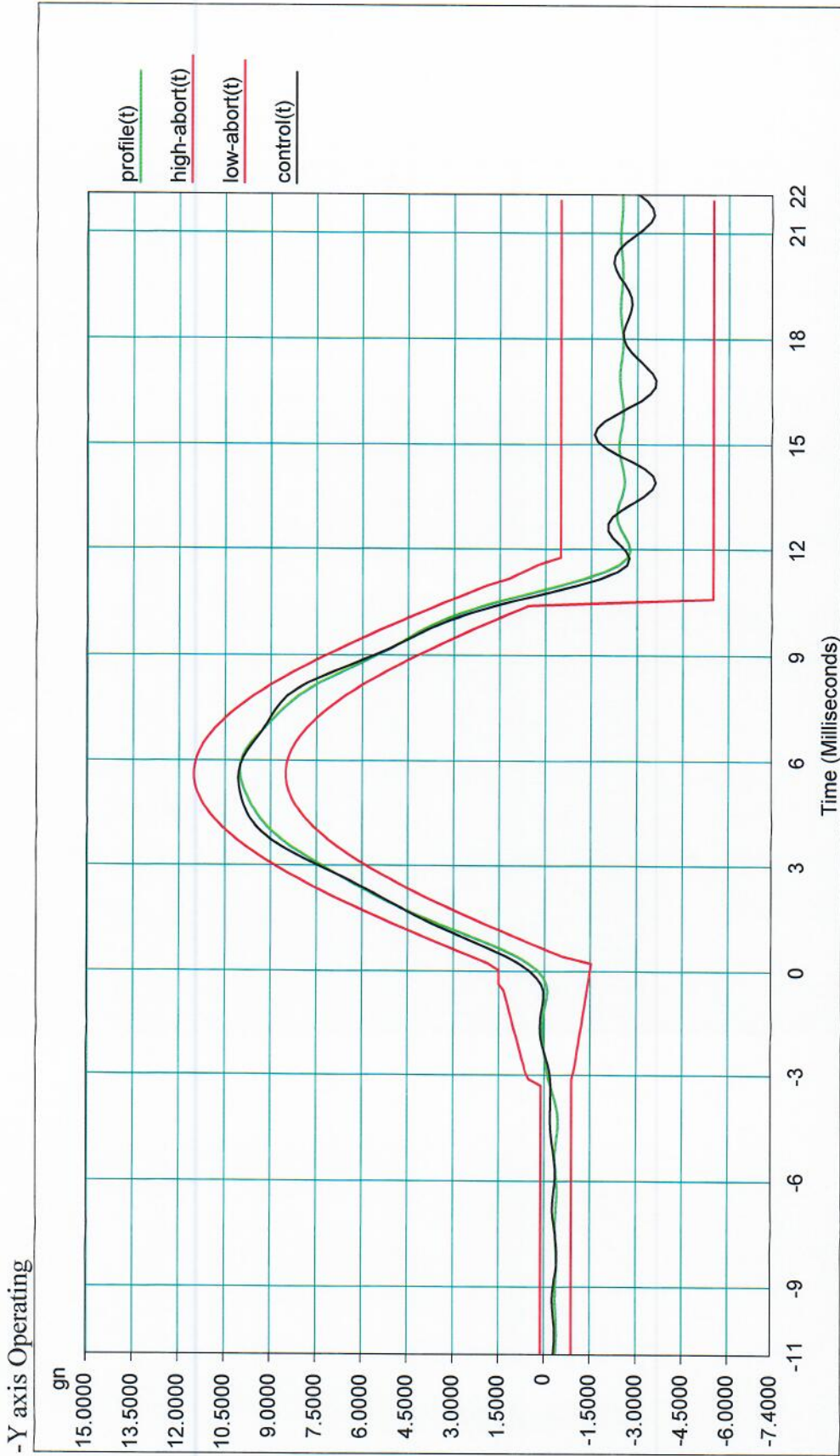
Level: 100 %    Block Size: 2048    Elapsed Pulses: 12    Full Level Elapsed Pulses: 3  
 Frame Time: 0.400000 Seconds    Control Peak: 10.141148    Control RMS: 1.484961    Demand RMS: 1.437777    Remaining Pulses: 0  
 dT: 0.000195 Seconds    Demand Peak: 10.000000    Demand RMS: 1.437777    Pulse Width: 11.000000 ms  
 Pulse Type: Half Sine    Amplitude: 10.000000



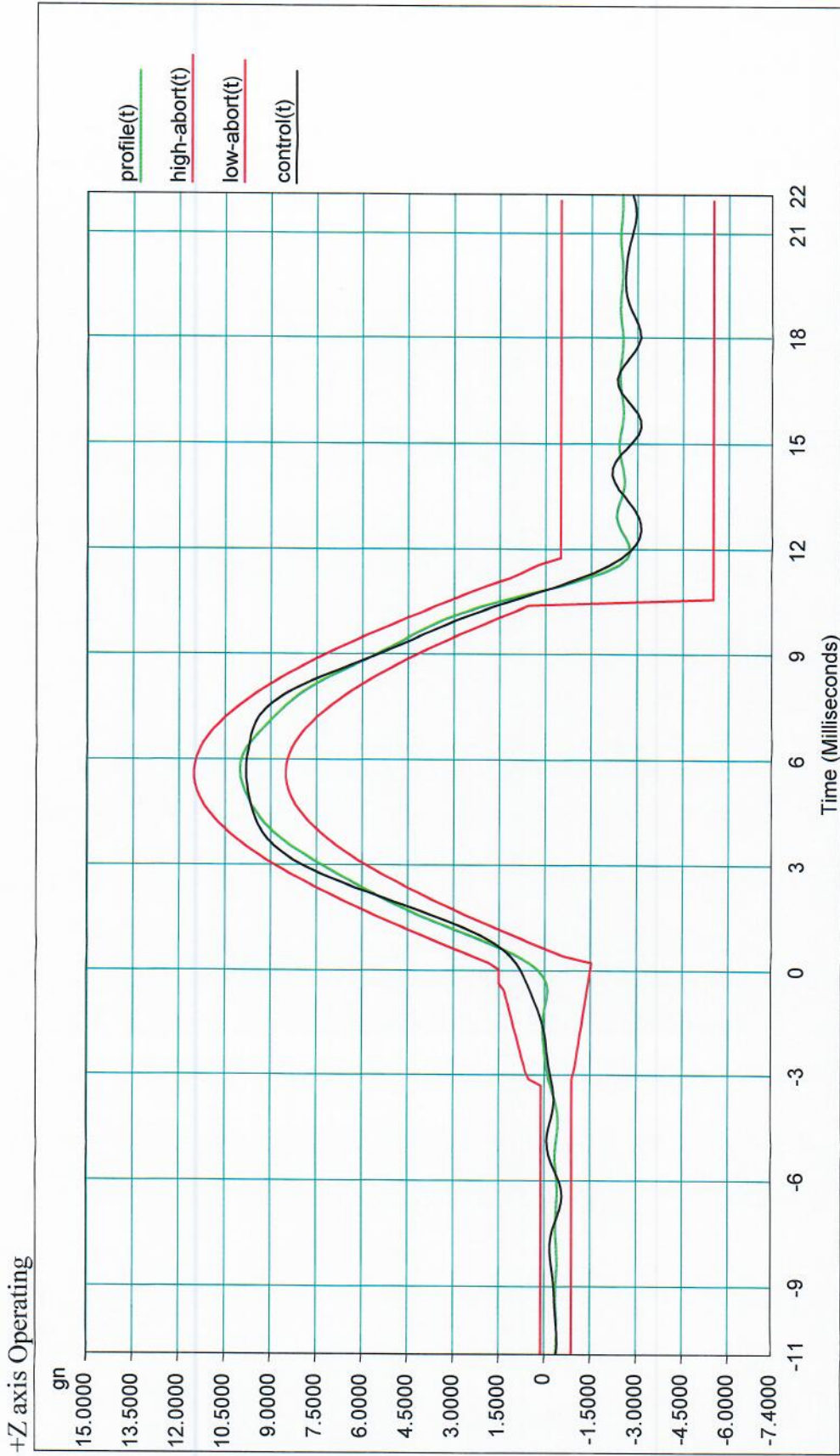
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 Frame Time: 0.400000 Seconds    Control Peak: 9.899338    Control RMS: 1.483684    Full Level Elapsed Pulses: 3  
 dT: 0.000195 Seconds    Demand Peak: 10.000000    Demand RMS: 1.437777    Remaining Pulses: 0  
 Pulse Type: Half Sine    Amplitude: 10.000000    Pulse Width: 11.000000 ms



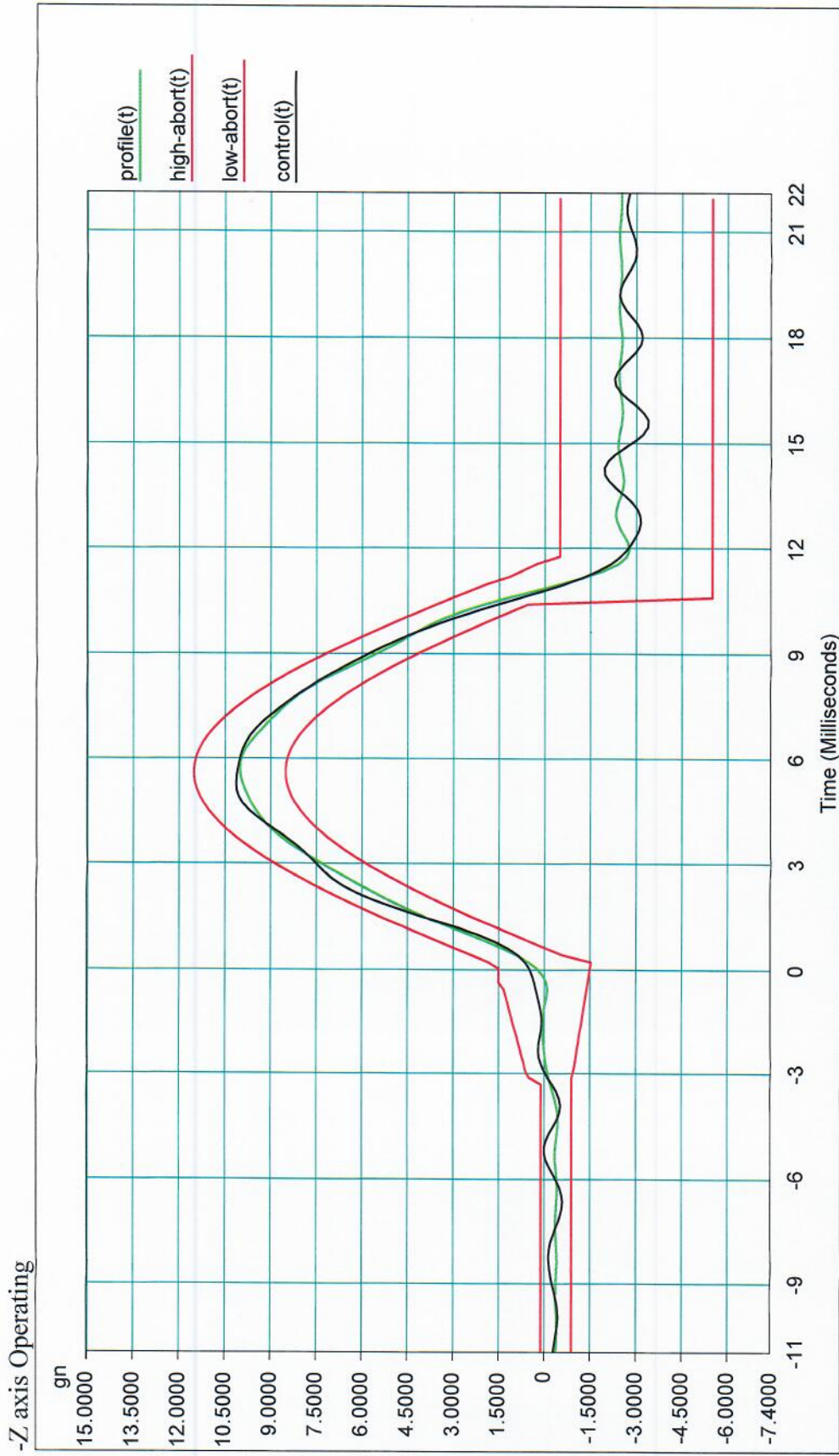
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 Frame Time: 0.400000 Seconds    Control Peak: 9.900332    Control RMS: 1.484325    Demand RMS: 1.437777    Remaining Pulses: 0  
 dT: 0.000195 Seconds    Demand Peak: 10.000000    Demand RMS: 1.437777    Pulse Width: 11.000000 ms  
 Pulse Type: Half Sine    Amplitude: 10.000000



Level: 100 %    Block Size: 2048    Elapsed Pulses: 12    Full Level Elapsed Pulses: 3  
 Frame Time: 0.400000 Seconds    Control Peak: 10.051247    Control RMS: 1.489340    Remaining Pulses: 0  
 dT: 0.000195 Seconds    Demand Peak: 10.000000    Demand RMS: 1.437777  
 Pulse Type: Half Sine    Amplitude: 10.000000    Pulse Width: 11.000000 ms

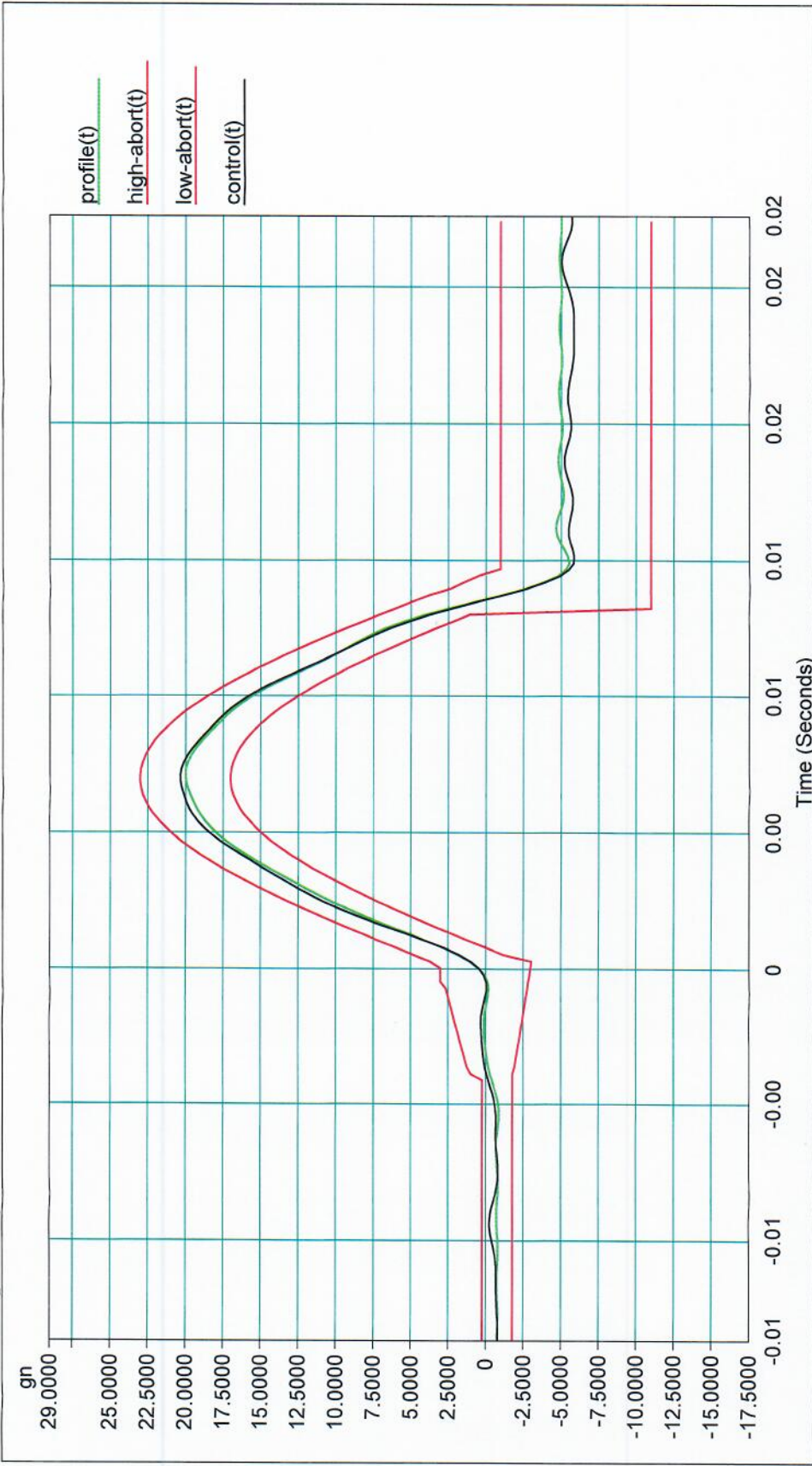


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 Frame Time: 0.400000 Seconds    Control Peak: 9.786560    Control RMS: 1.482912    Demand RMS: 1.437777    Remaining Pulses: 0  
 dT: 0.000195 Seconds    Demand Peak: 10.000000    Demand RMS: 1.437777    Pulse Width: 11.000000 ms  
 Pulse Type: Half Sine    Amplitude: 10.000000



Level: 100 %    Block Size: 2048    Elapsed Pulses: 12    Full Level Elapsed Pulses: 3  
 Frame Time: 0.400000 Seconds    Control Peak: 10.118204    Control RMS: 1.482423    Remaining Pulses: 0  
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 Pulse Type: Half Sine    Amplitude: 10.000000    Pulse Width: 11.000000 ms

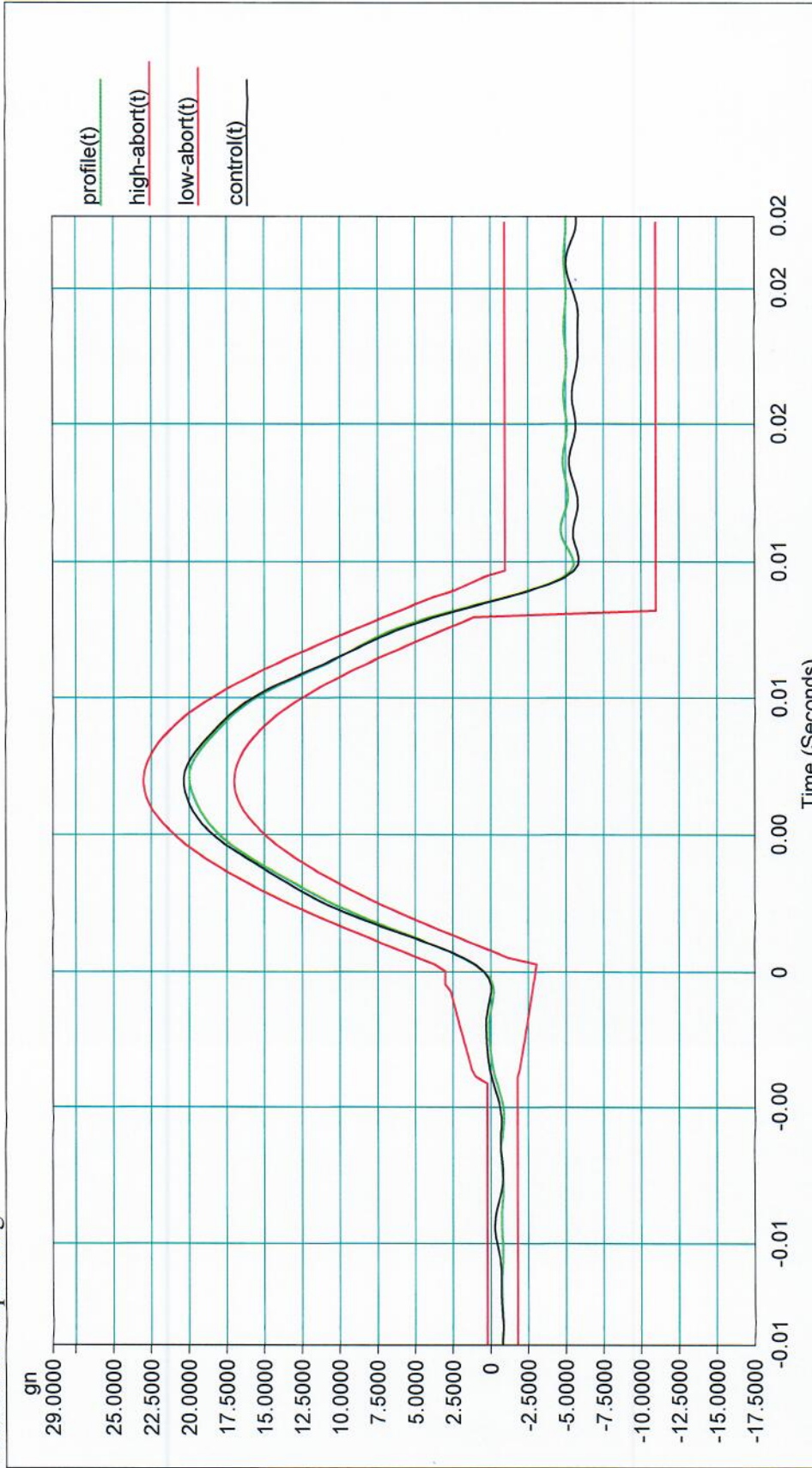
+X axis Non-Operating



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 Frame Time: 0.400000 Seconds    Control Peak: 20.432468    Control RMS: 2.971225    Demand RMS: 2.875554    Remaining Pulses: 0  
 dT: 0.000195 Seconds    Demand Peak: 20.000000    Demand RMS: 2.875554    Pulse Width: 11.000000 ms  
 Pulse Type: Half Sine    Amplitude: 20.000000    Pulse Width: 11.000000 ms

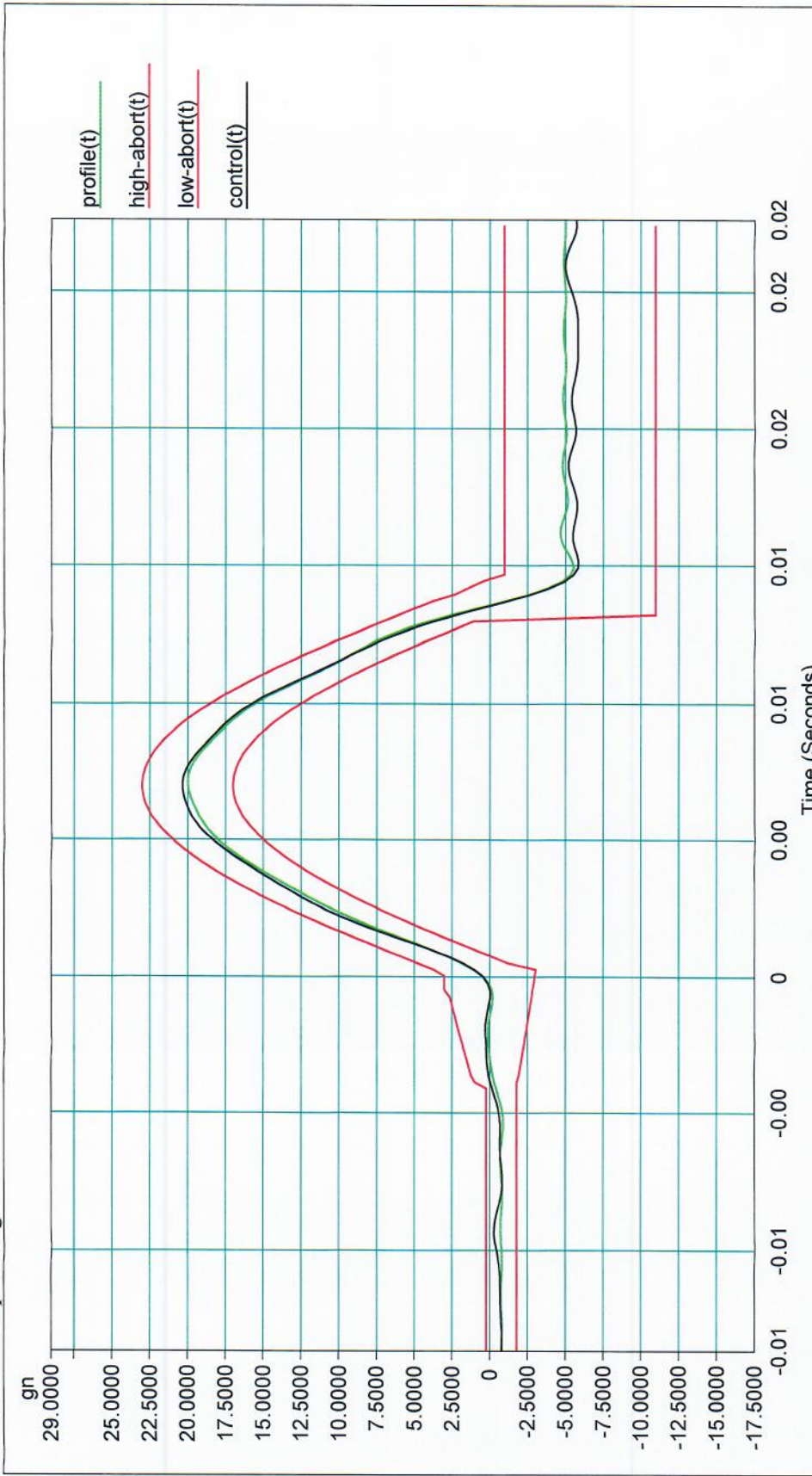


-X axis Non-Operating



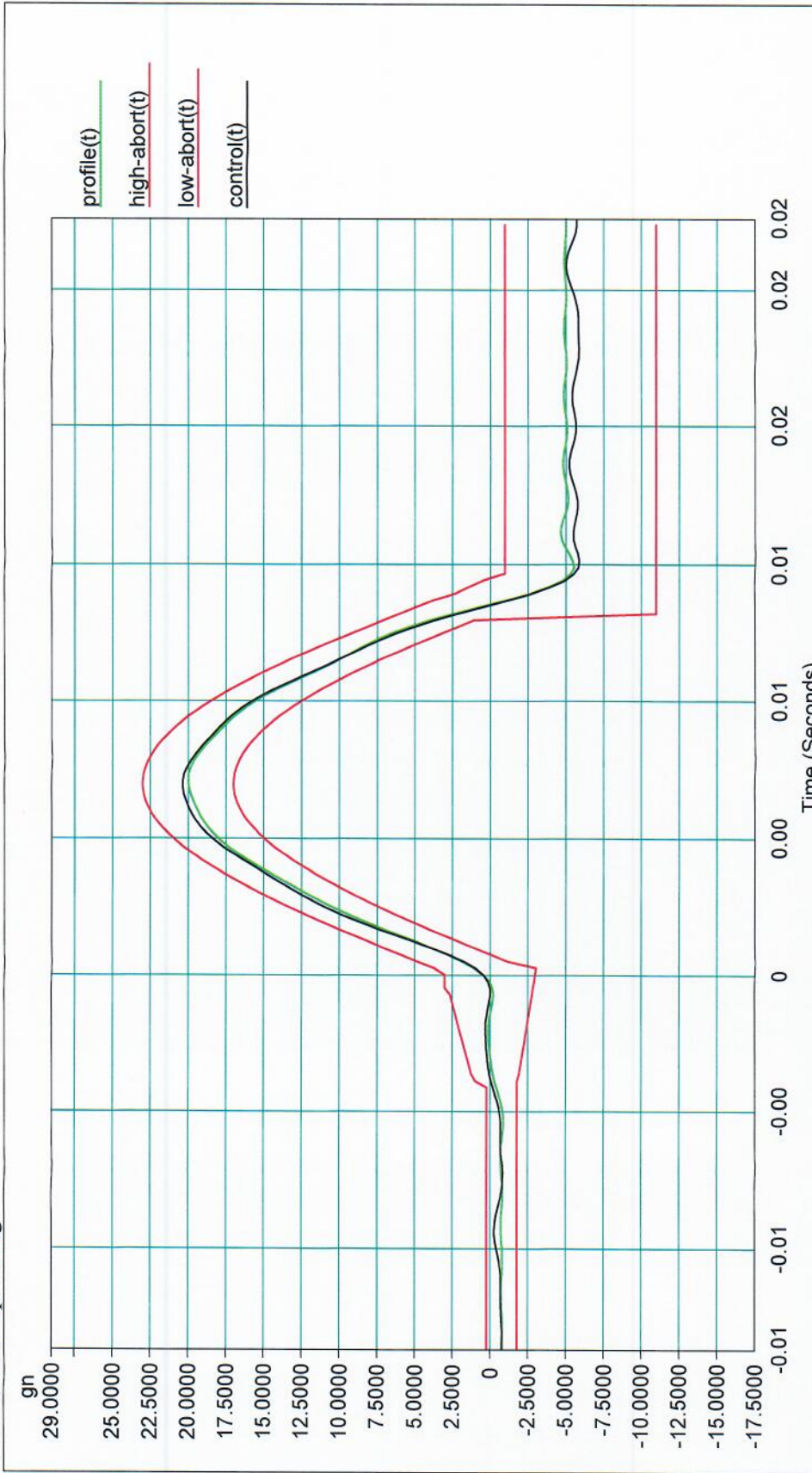
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 dT: 0.000195 Seconds    Demand Peak: 20.000000    Demand RMS: 2.875554  
 Pulse Type: Half Sine    Amplitude: 20.000000    Pulse Width: 11.000000 ms

+Y axis Non-Operating



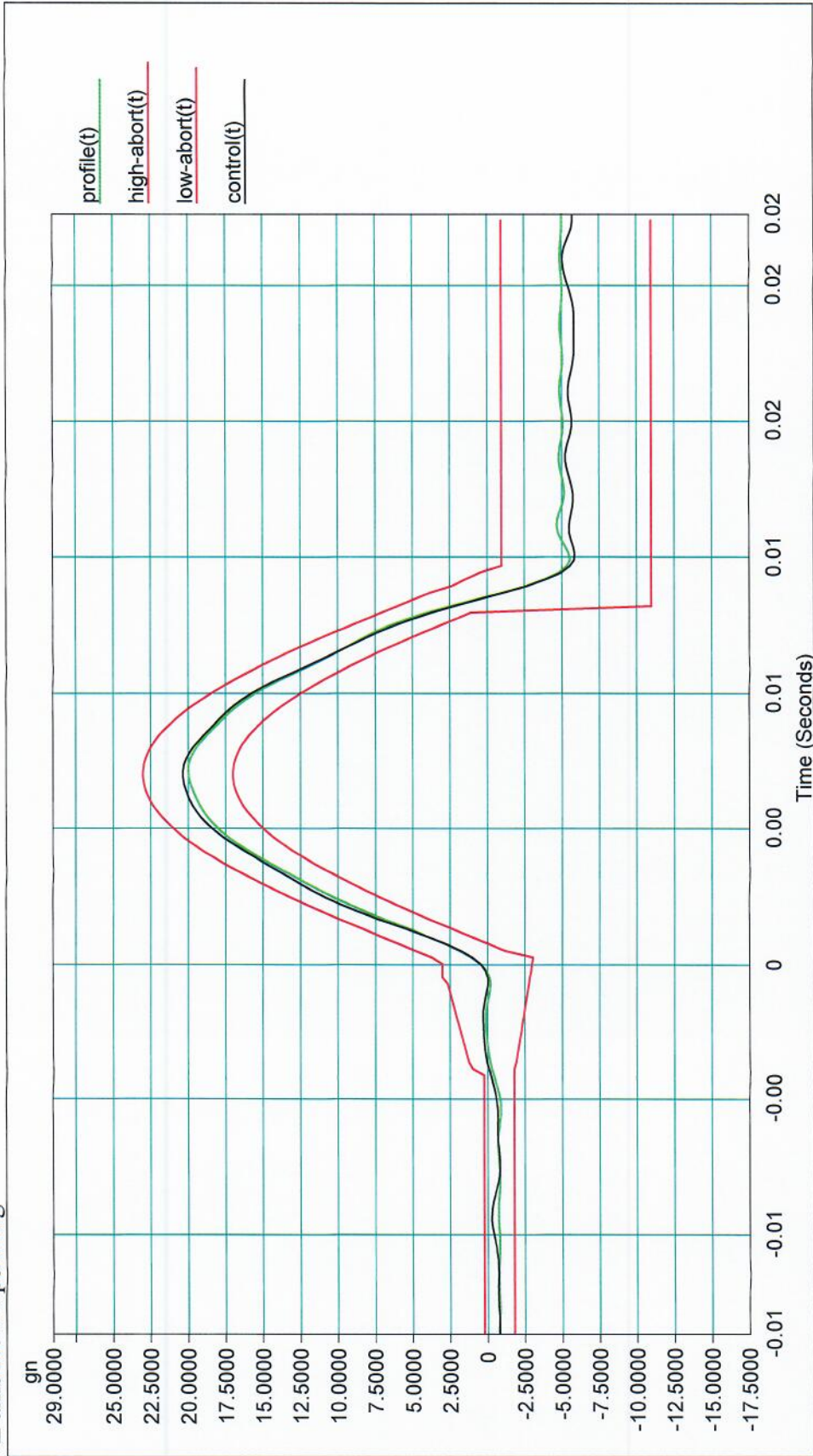
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 dT: 0.000195 Seconds    Demand Peak: 20.000000    Demand RMS: 2.875554    Pulse Width: 11.000000 ms  
 Pulse Type: Half Sine    Amplitude: 20.000000

-Y axis Non-Operating



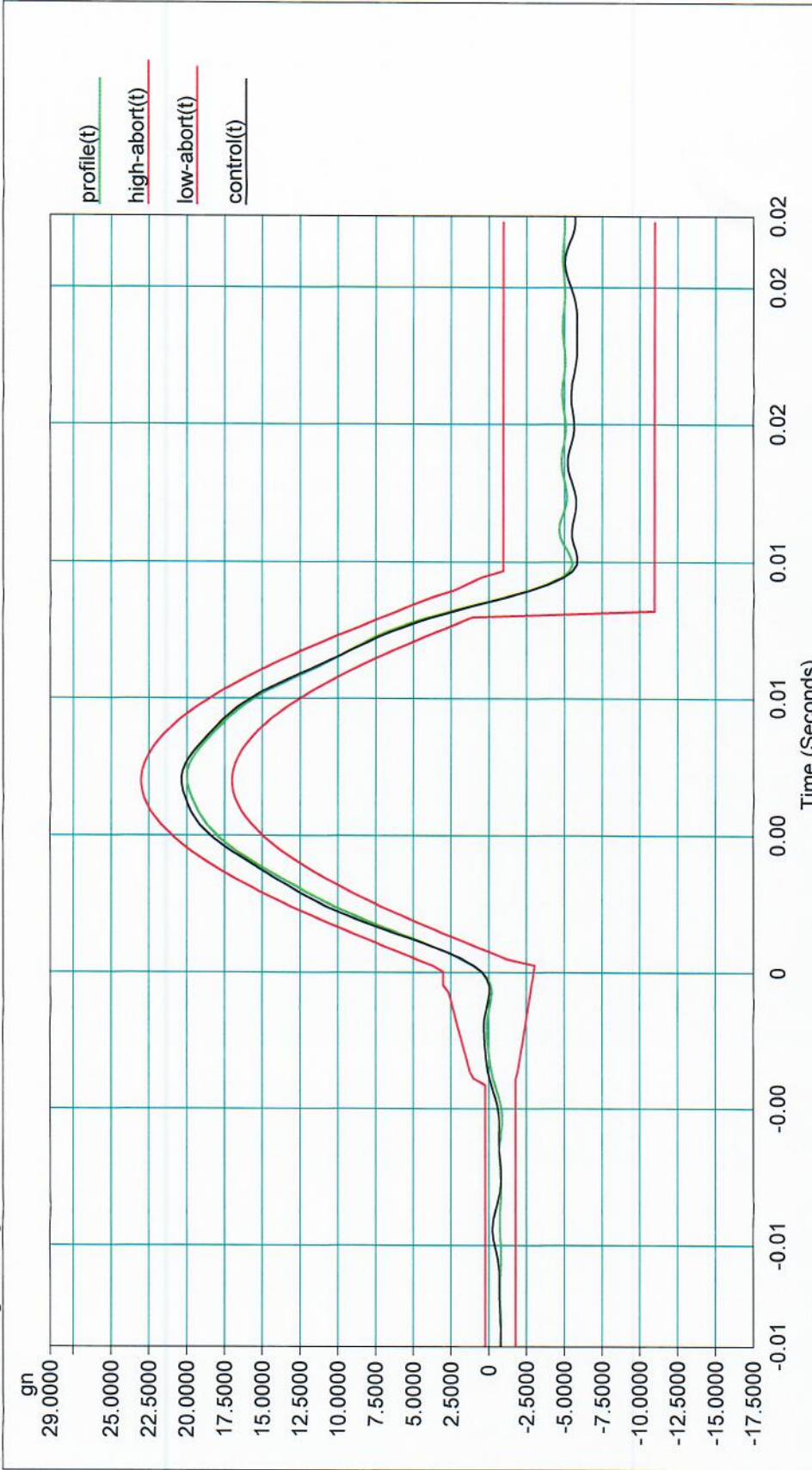
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 dT: 0.000195 Seconds    Demand Peak: 20.000000    Demand RMS: 2.875554  
 Pulse Type: Half Sine    Amplitude: 20.000000    Pulse Width: 11.000000 ms

+Z axis Non-Operating



Level: 100 % Block Size: 2048 Elapsed Pulses: 12 Full Level Elapsed Pulses: 3  
 Frame Time: 0.400000 Seconds Control Peak: 20.456404 Control RMS: 2.970266  
 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: 20.018808    Control RMS: 2.972848    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-