

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**

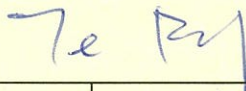


REPORT NO : ST-150109-2

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-7250 (With 2.5" SATA HDD *2)
DATE OF RECEIVED : 2015/01/09
DATE OF TESTED : 2015/01/09

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

Test Engineer : 	
Approval Signatory :  2015.1.15	Laboratory Head : 

TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054986
Controller : VCS-913⁺, S/N : 1312384
Control Accelerometer : Wilcoxon Research WR-777, S/N : 4207

TEST ENVIRONMENT :

Temperature : 25°C (25±10°C)
Relative Humidity : 65 %RH (50±25% RH)

SPECIMEN :

Model : FWS-7250 (With 2.5" SATA HDD *2)
Quantity : 1 unit

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 : ±X, ±Y, ±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 : ±X, ±Y, ±Z axis

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<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)

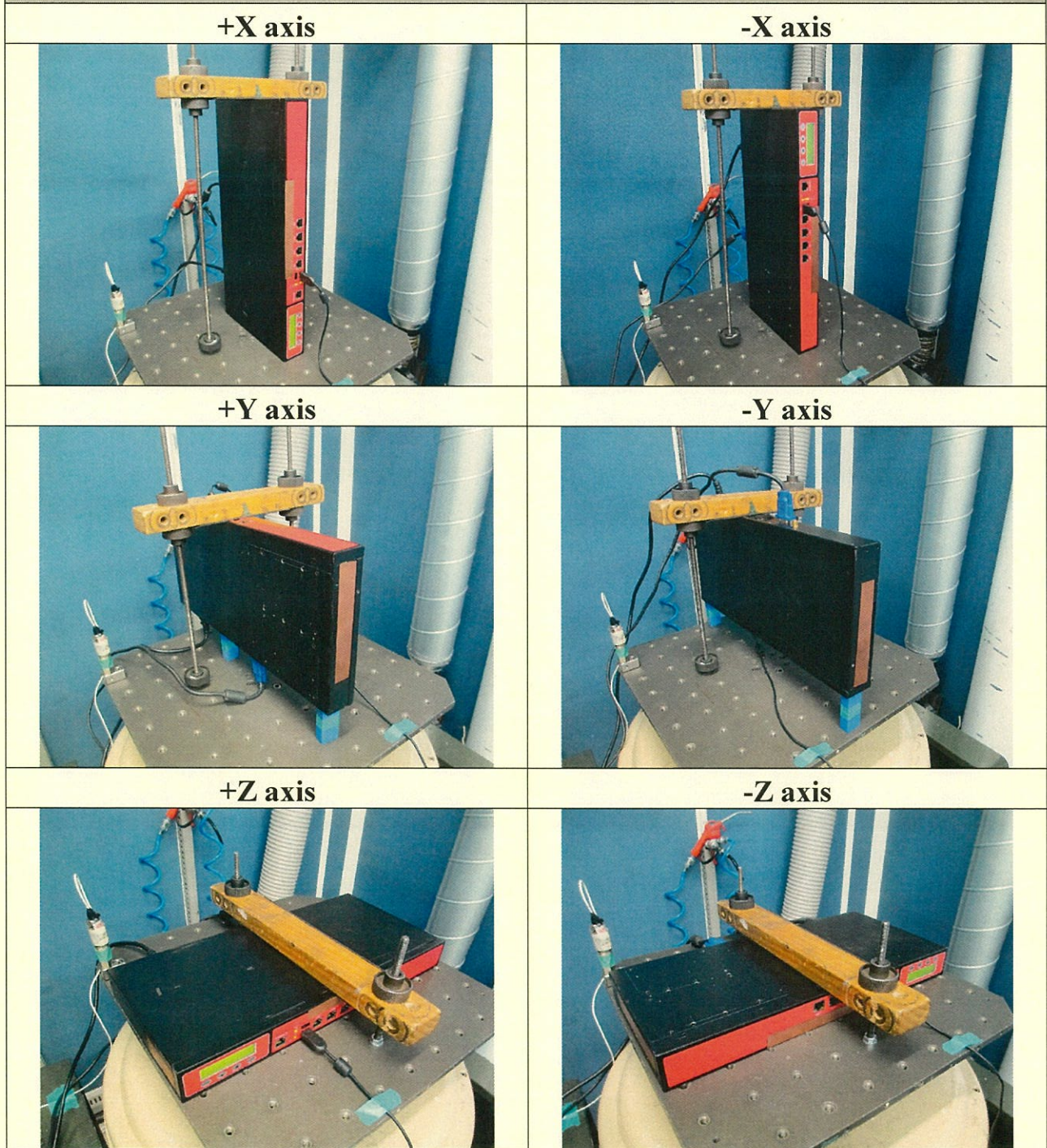


Tester (Non-Operating)

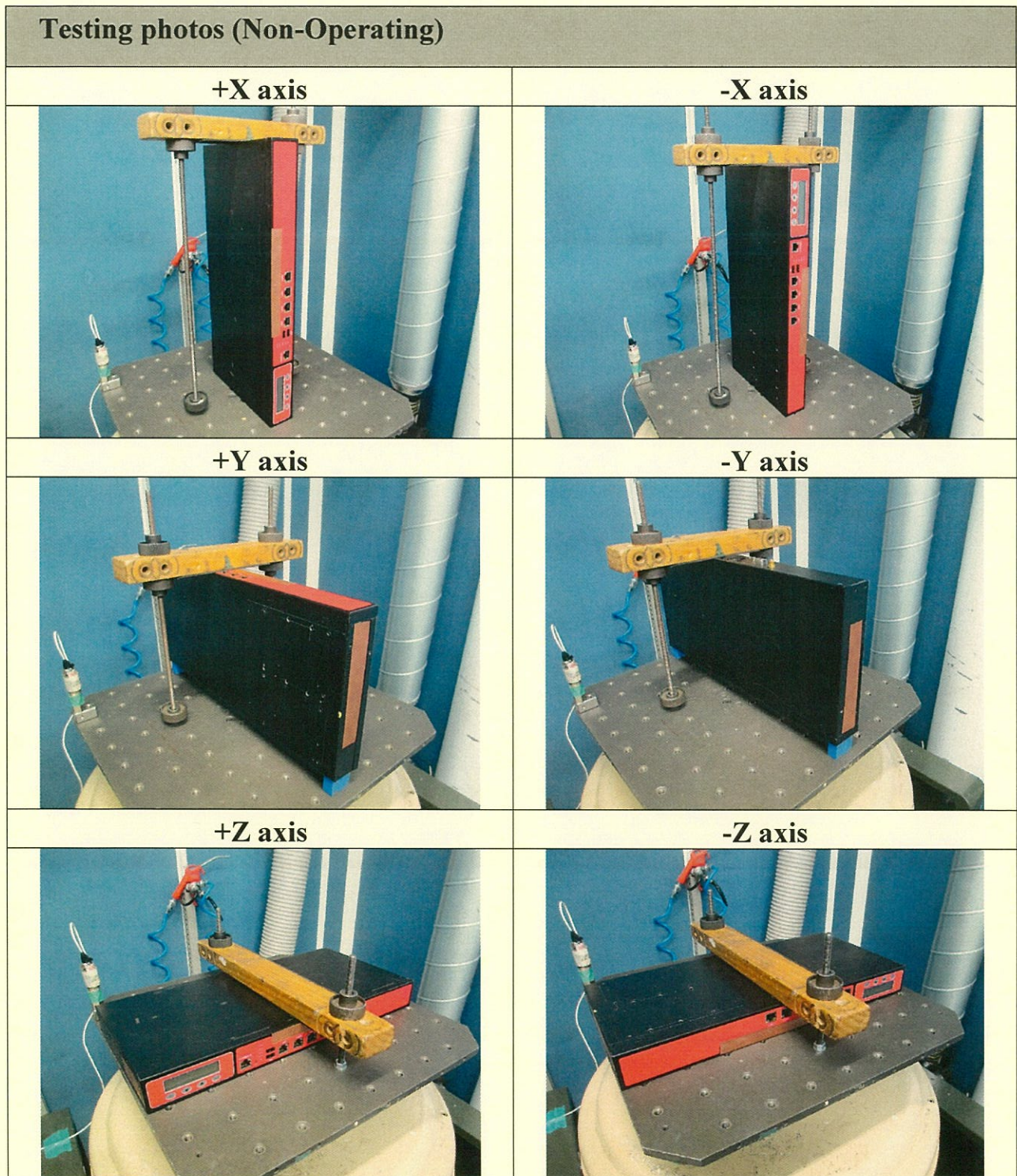


TESTING / INSPECTION REPORT

Testing photos (Operating)



TESTING / INSPECTION REPORT



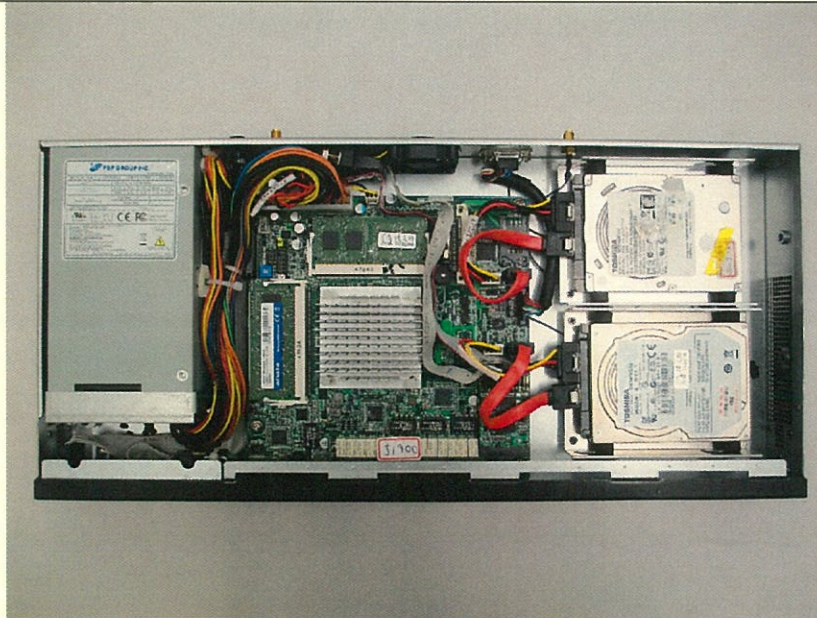
TESTING / INSPECTION REPORT

Testing photos

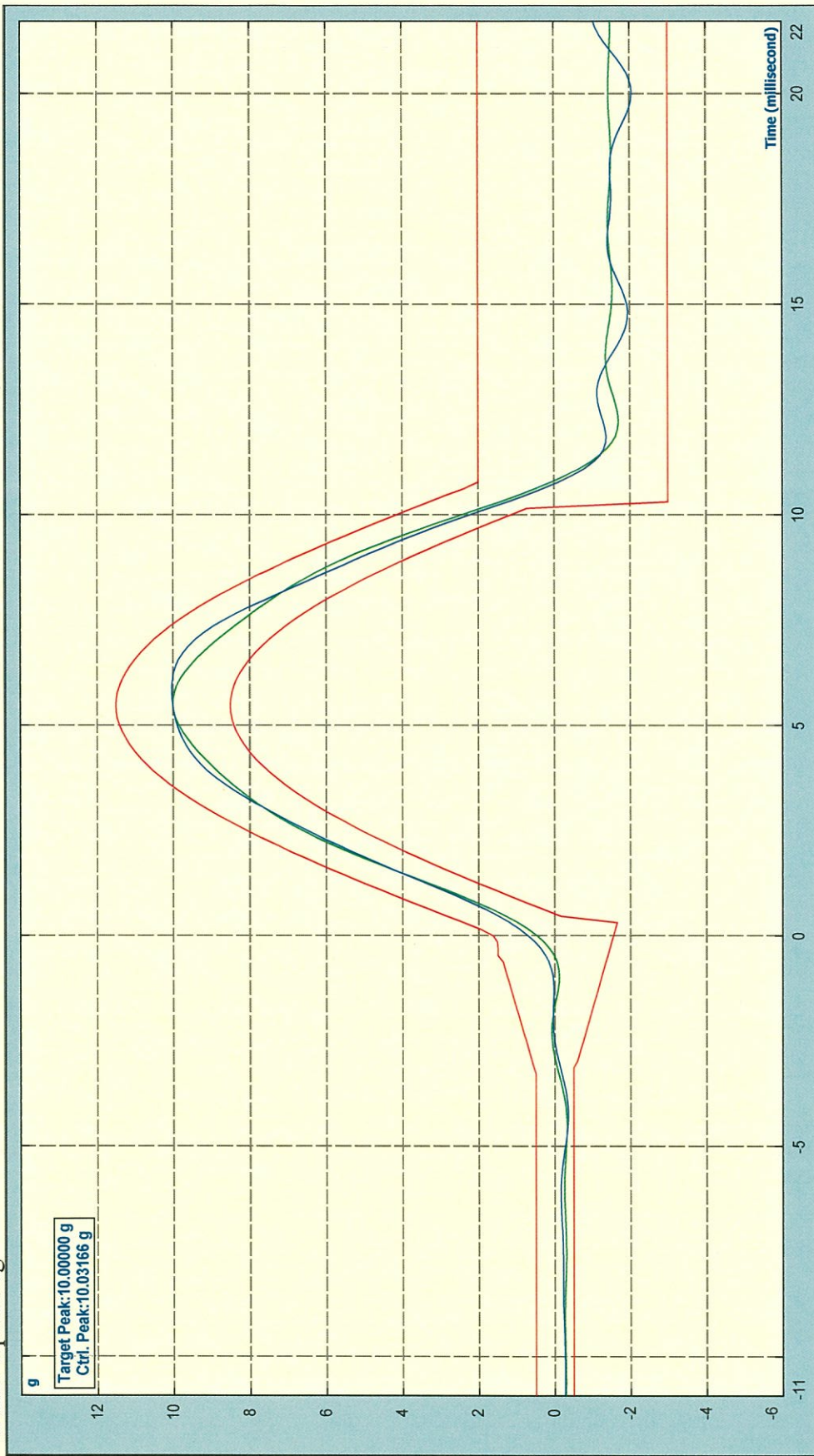
After test-1



After test-2



+X axis Operating



Level: 100.00 %

Velocity Pk: 0.358 m/s

Control RMS: 1.034 g

Full Level Elapsed: 3.0

Drive Pk: 0.385V

Control Pk: 10.03 g

Remaining: 0.0

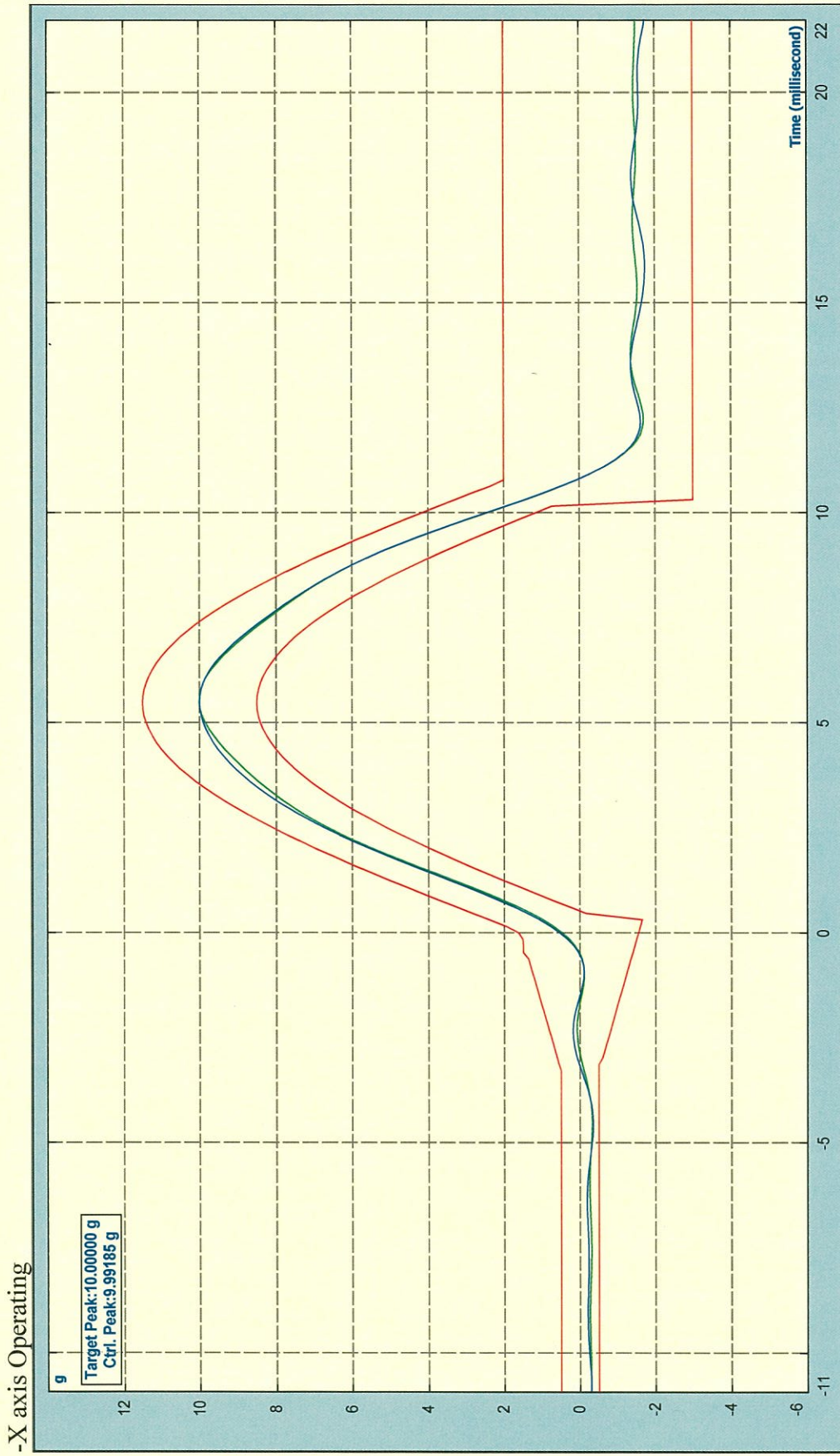
Pulse width: 11.00 ms

Est. Disp. : 9.318 mm Pk-Pk

Target Pk: 10.00 g

Total Elapsed: 18.0

Measured Pulse width: 13.19247(ms)



Level: 100.00 %

Velocity Pk: 0.359 m/s

Control RMS: 1.026 g

Full Level Elapsed: 3.0

Drive Pk: 0.397V

Control Pk: 9.992 g

Remaining: 0.0

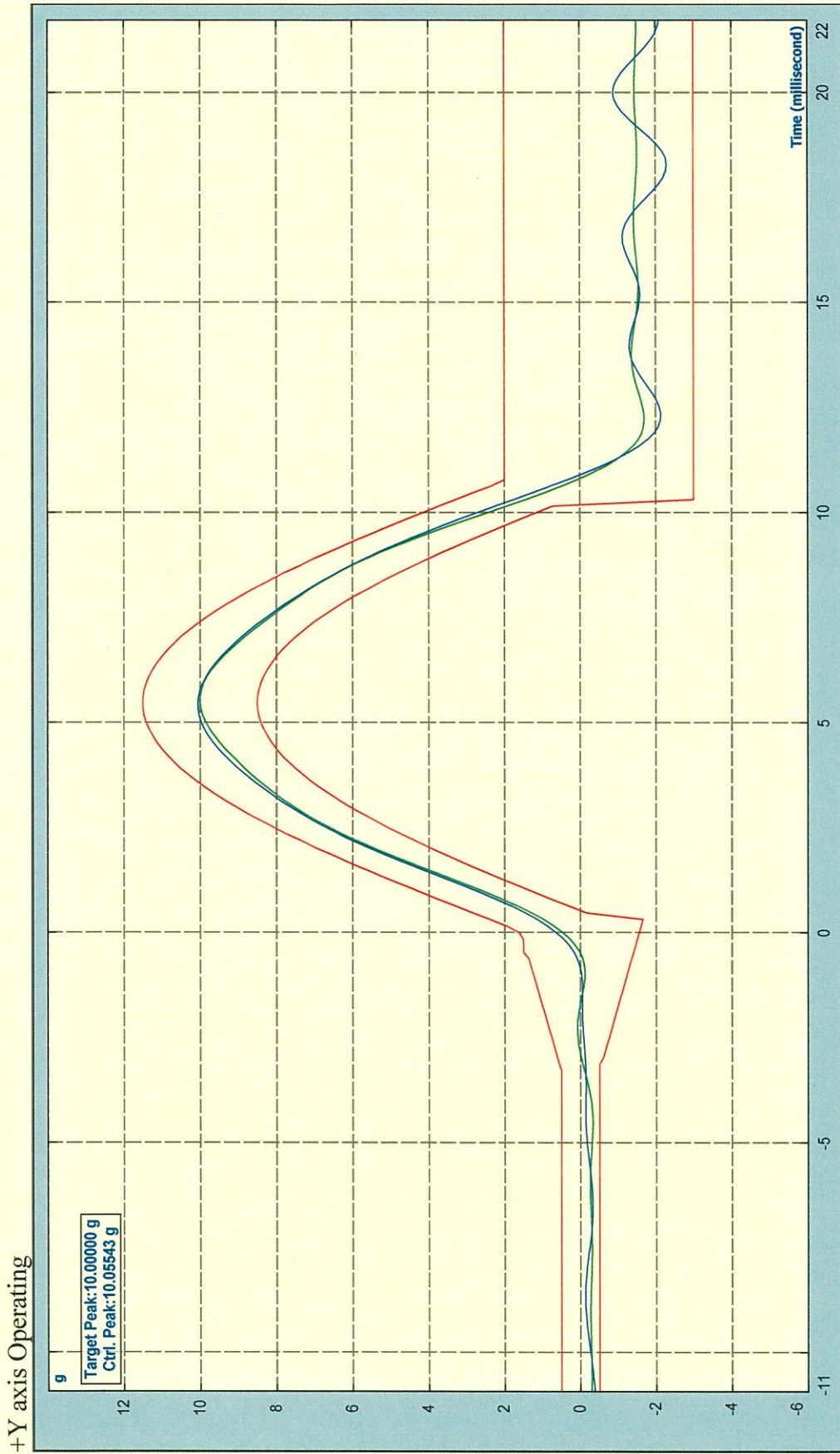
Pulse width: 11.00 ms

Est. Disp. : 9.342 mm Pk-Pk

Target Pk: 10.00 g

Total Elapsed: 18.0

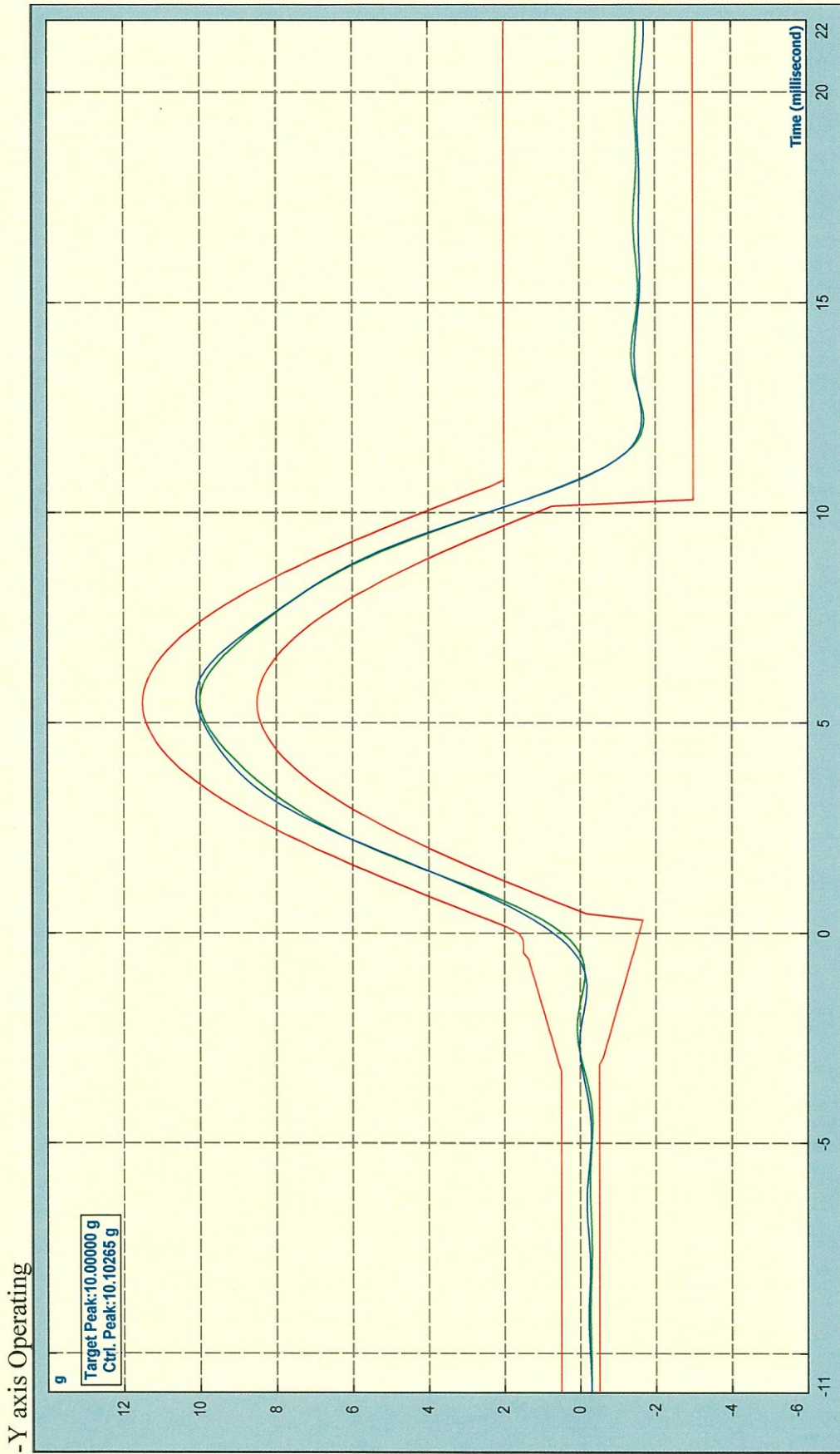
Measured Pulse width: 11.32422(ms)



Level: 100.00 %
Velocity Pk: 0.361 m/s
Control RMS: 1.034 g
Full Level Elapsed: 3.0

Drive Pk: 0.399V
Control Pk: 10.06 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 9.327 mm Pk-Pk
Target Pk: 10.00 g
Total Elapsed: 18.0
Measured Pulse width: 11.71933(ms)

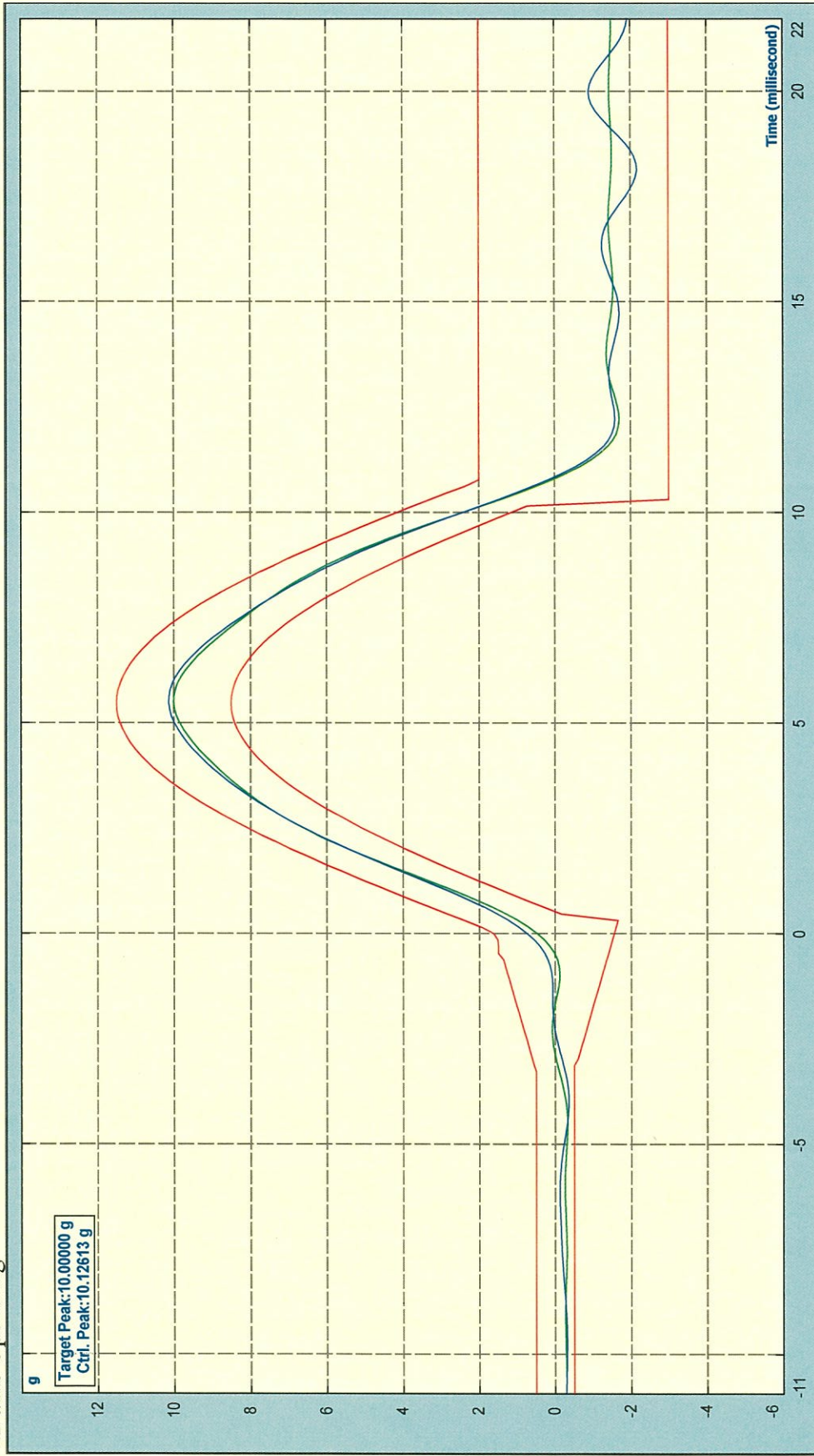


Level: 100.00 %
Velocity Pk: 0.359 m/s
Control RMS: 1.032 g
Full Level Elapsed: 3.0

Drive Pk: 0.394V
Control Pk: 10.10 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 9.297 mm Pk-Pk
Target Pk: 10.00 g
Total Elapsed: 18.0
Measured Pulse width: 11.46201(ms)

+Z axis Operating



Level: 100.00 %

Velocity Pk: 0.359 m/s

Control RMS: 1.029 g

Full Level Elapsed: 3.0

Drive Pk: 0.350V

Control Pk: 10.13 g

Remaining: 0.0

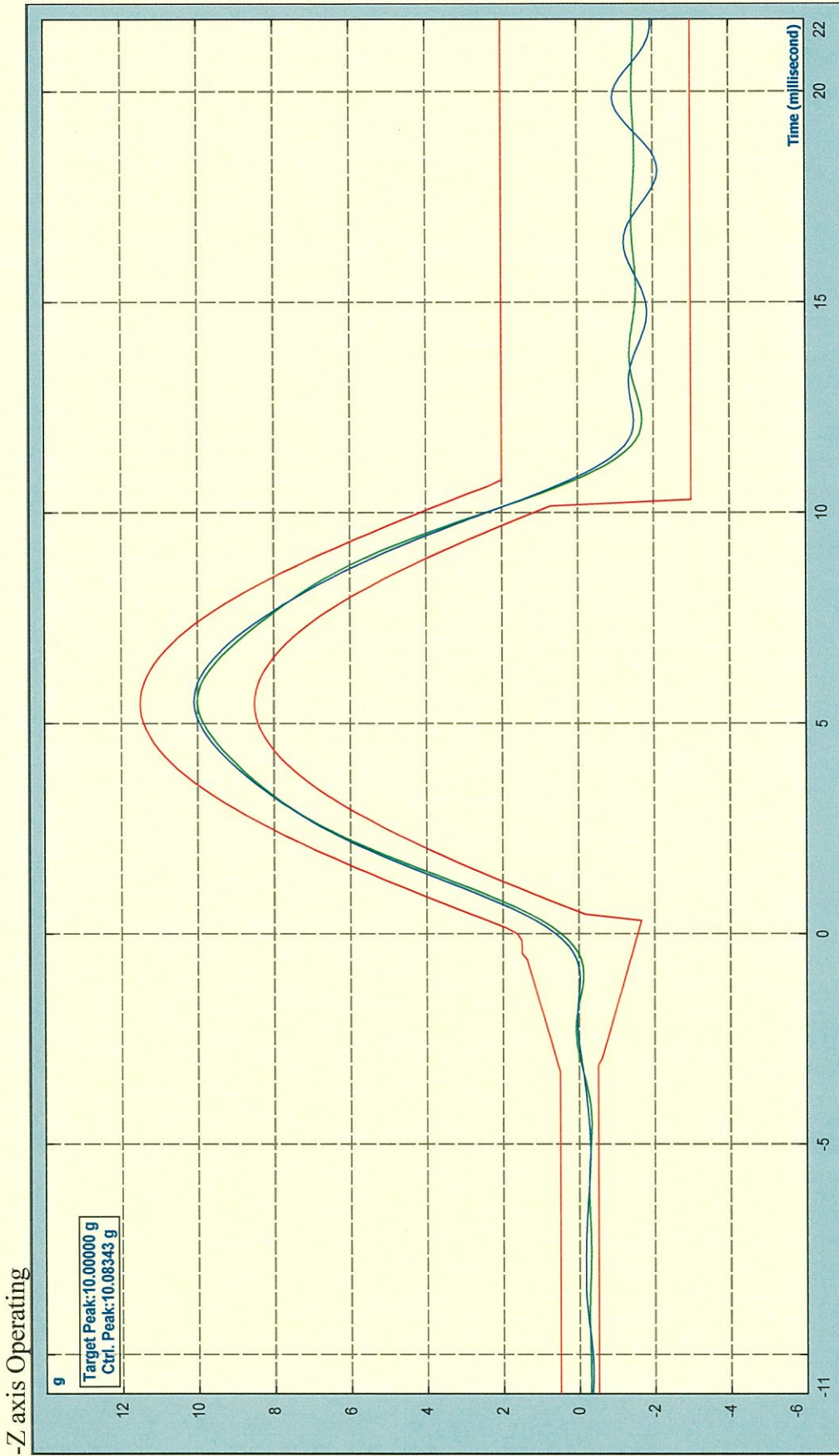
Pulse width: 11.00 ms

Est. Disp. : 9.307 mm Pk-Pk

Target Pk: 10.00 g

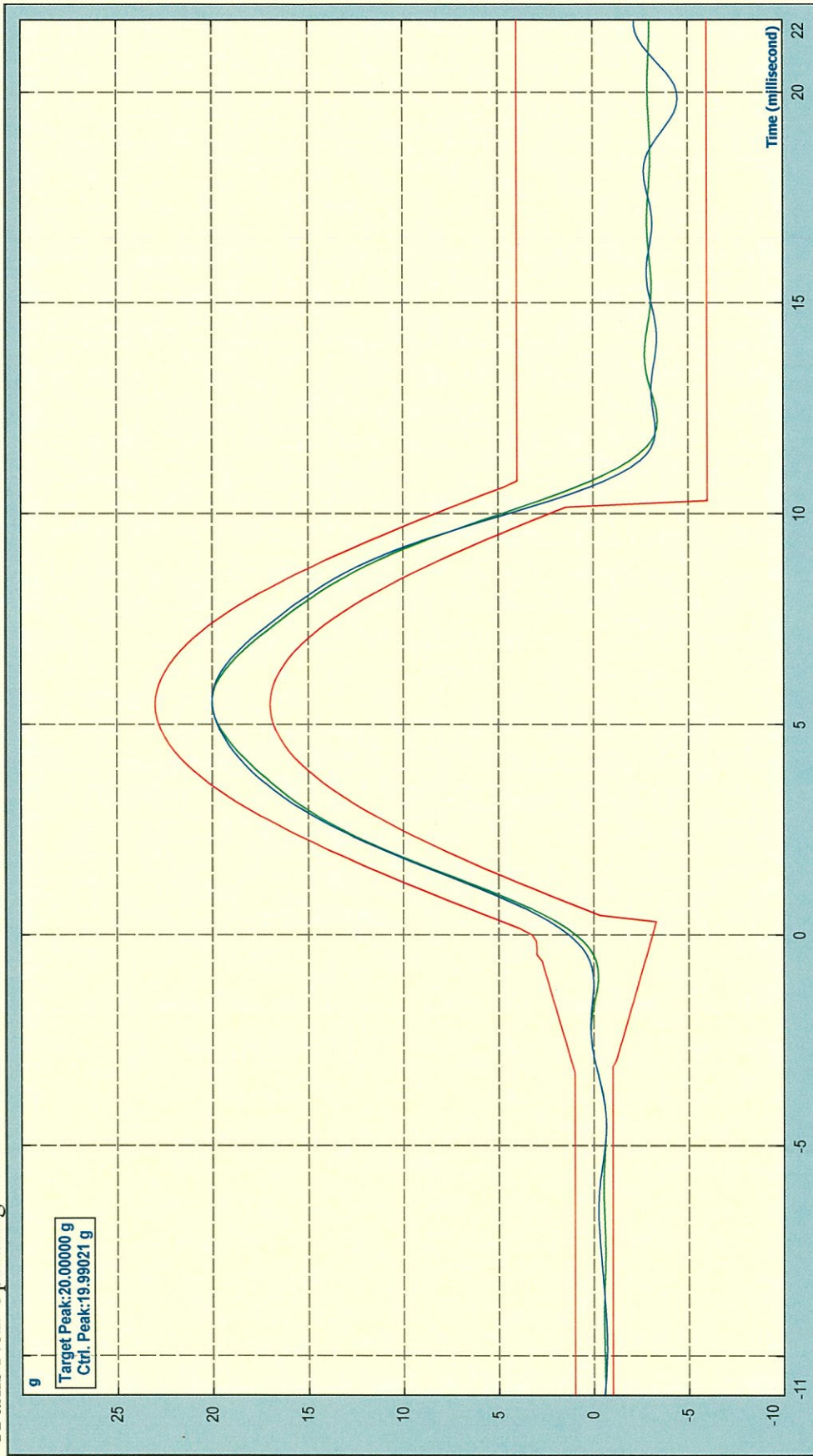
Total Elapsed: 18.0

Measured Pulse width: 13.12542(ms)



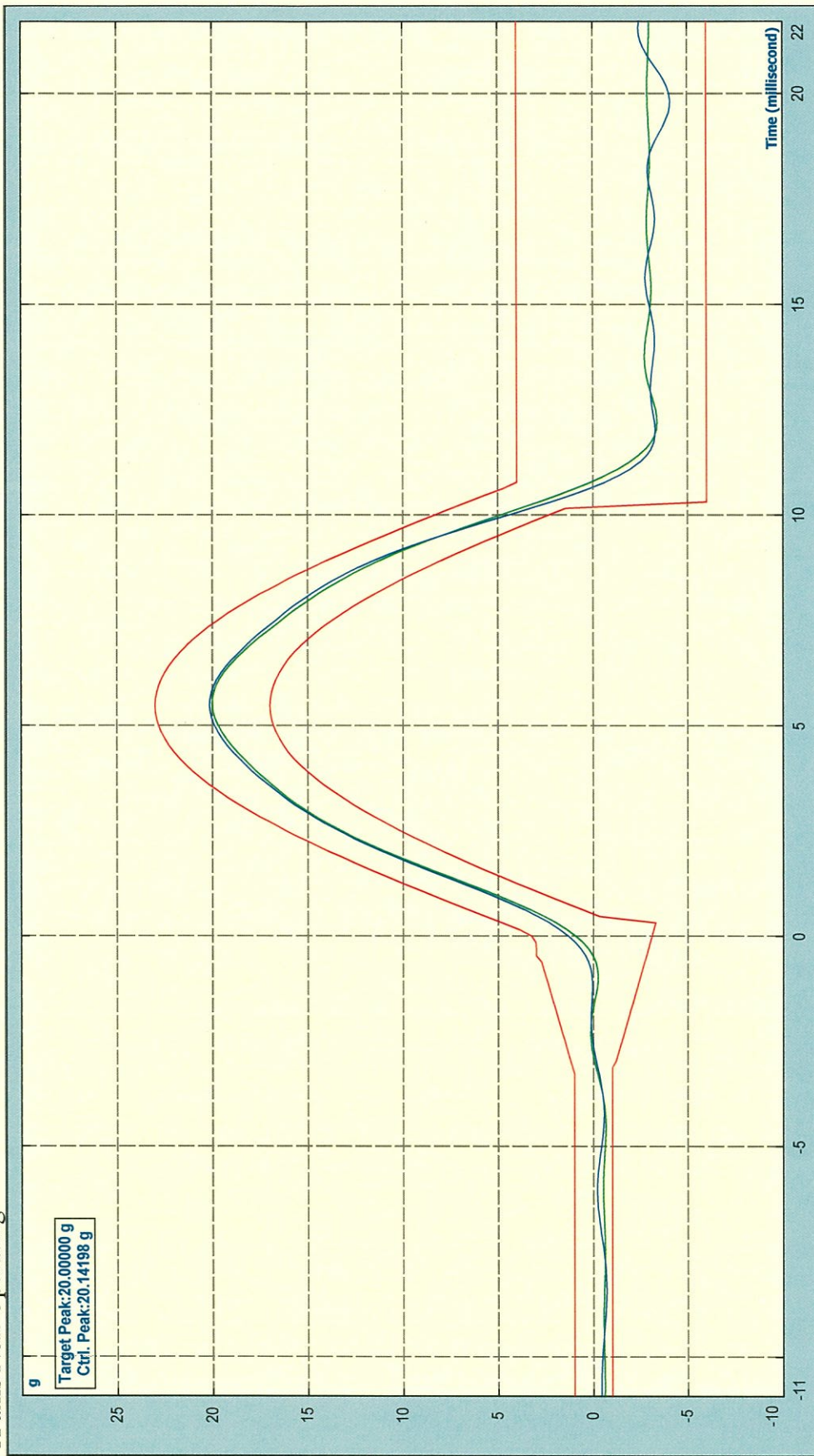
Level: 100.00 %	Drive Pk: 0.350V	Est. Disp. : 9.285 mm Pk-Pk
Velocity Pk: 0.360 m/s	Control Pk: 10.08 g	Target Pk: 10.00 g
Control RMS: 1.031 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.63356(ms)

+X axis Non-Operating



Level: 100.00 %	Drive Pk: 0.706V	Est. Disp. : 18.53 mm Pk-Pk
Velocity Pk: 0.718 m/s	Control Pk: 19.99 g	Target Pk: 20.00 g
Control RMS: 2.061 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 13.51741(ms)

-X axis Non-Operating



Level: 100.00 %

Velocity Pk: 0.718 m/s

Control RMS: 2.058 g

Full Level Elapsed: 3.0

Drive Pk: 0.707V

Control Pk: 20.14 g

Remaining: 0.0

Pulse width: 11.00 ms

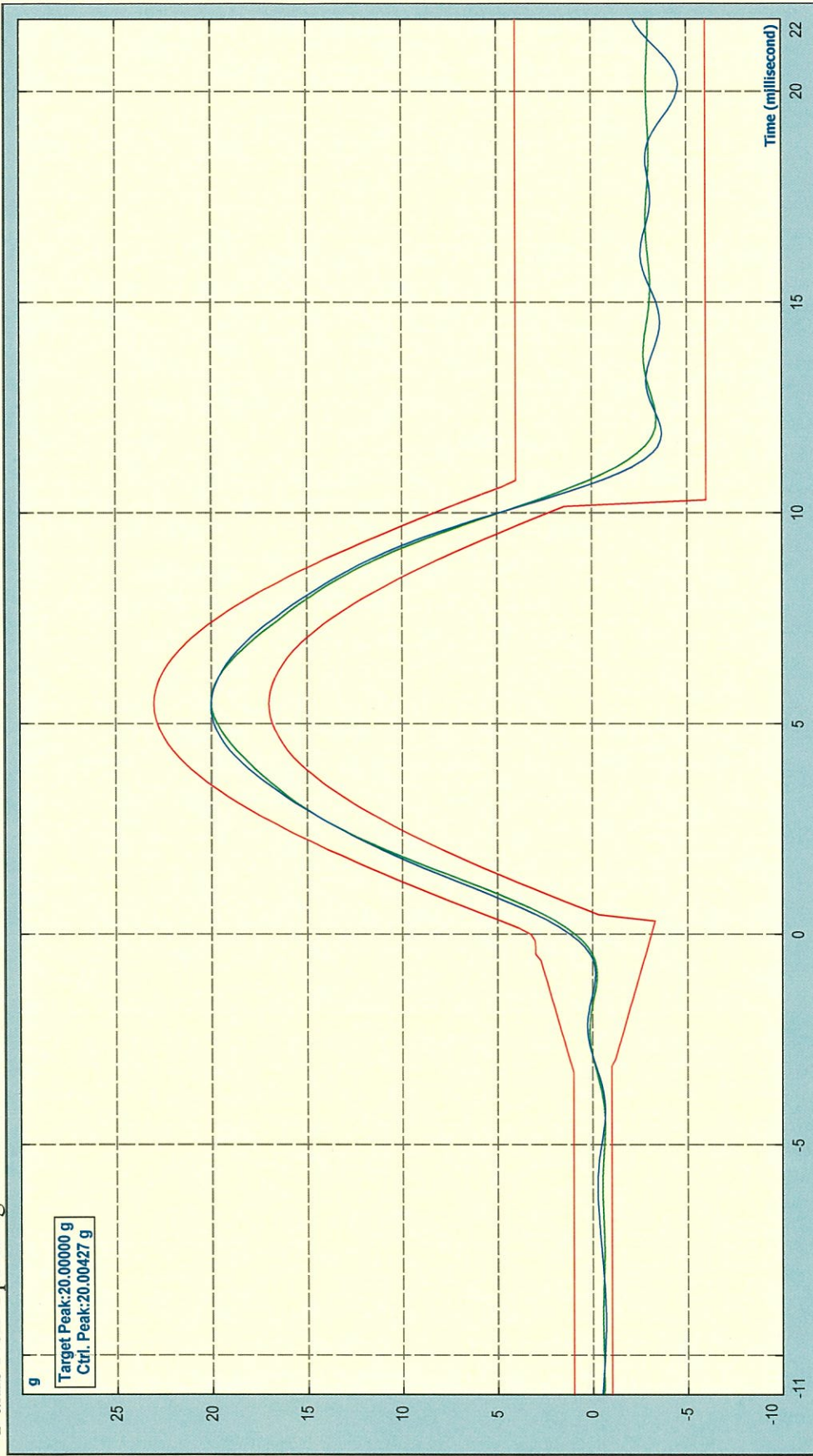
Est. Disp. : 18.52 mm Pk-Pk

Target Pk: 20.00 g

Total Elapsed: 18.0

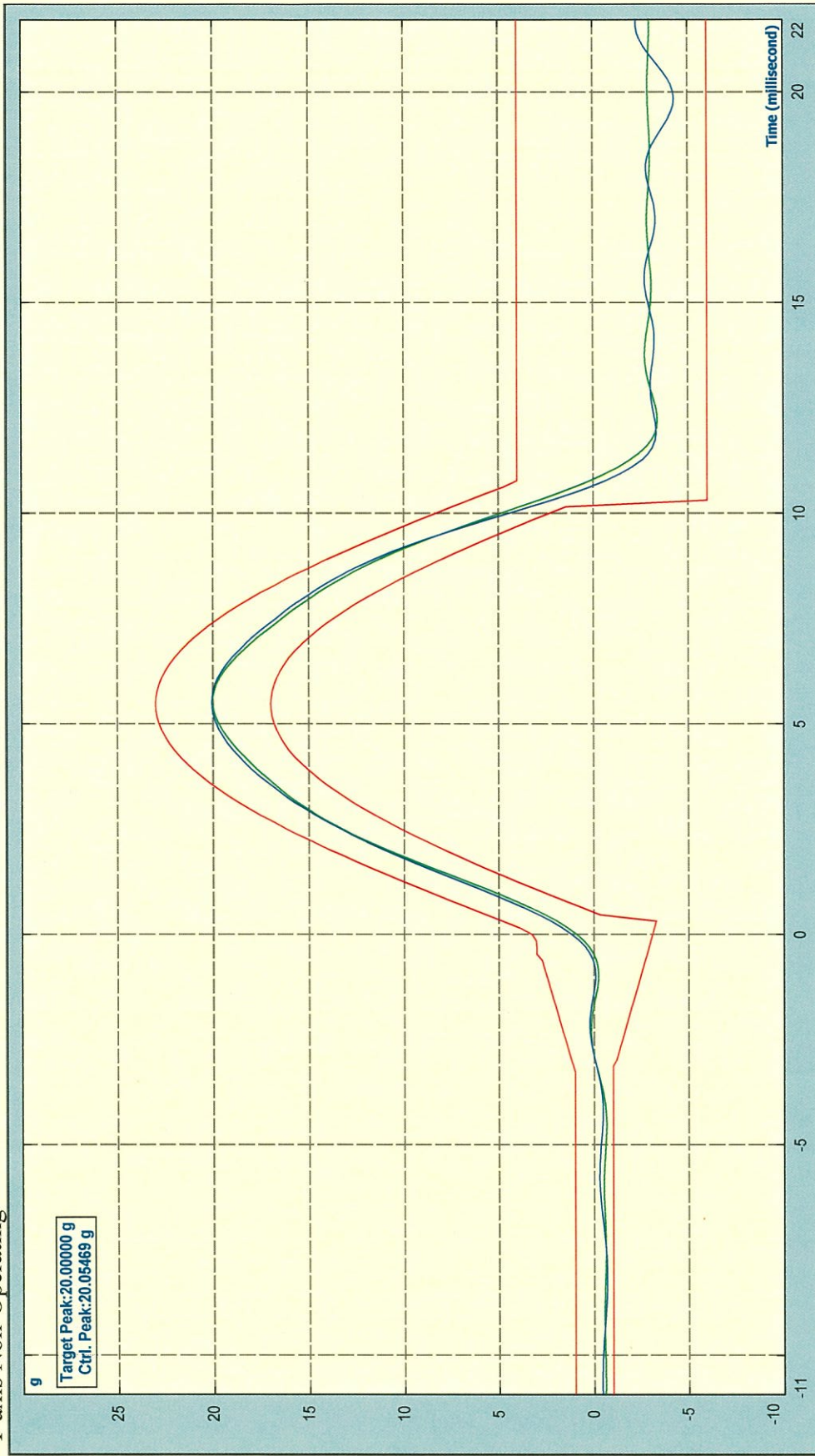
Measured Pulse width: 13.26694(ms)

+Y axis Non-Operating



Level: 100.00 %	Drive Pk: 0.708V	Est. Disp. : 18.54 mm Pk-Pk
Velocity Pk: 0.722 m/s	Control Pk: 20.00 g	Target Pk: 20.00 g
Control RMS: 2.064 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.28135(ms)

-Y axis Non-Operating



Level: 100.00 %

Velocity Pk: 0.719 m/s

Control RMS: 2.060 g

Full Level Elapsed: 3.0

Drive Pk: 0.706V

Control Pk: 20.05 g

Remaining: 0.0

Pulse width: 11.00 ms

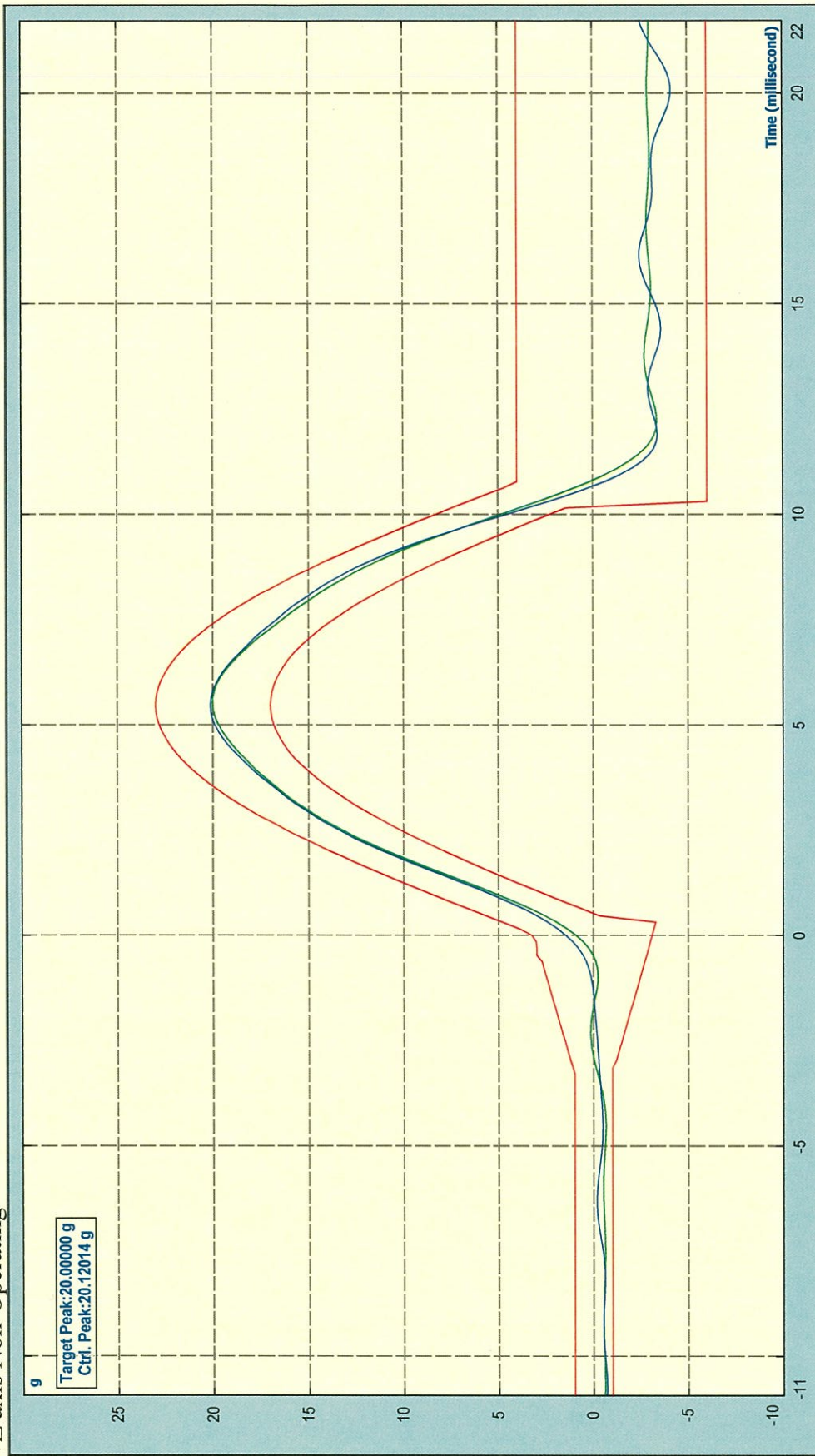
Est. Disp.: 18.52 mm Pk-Pk

Target Pk: 20.00 g

Total Elapsed: 19.0

Measured Pulse width: 11.32515(ms)

+Z axis Non-Operating



Level: 100.00 %

Velocity Pk: 0.720 m/s

Control RMS: 2.059 g

Full Level Elapsed: 3.0

Drive Pk: 0.709V

Control Pk: 20.12 g

Remaining: 0.0

Pulse width: 11.00 ms

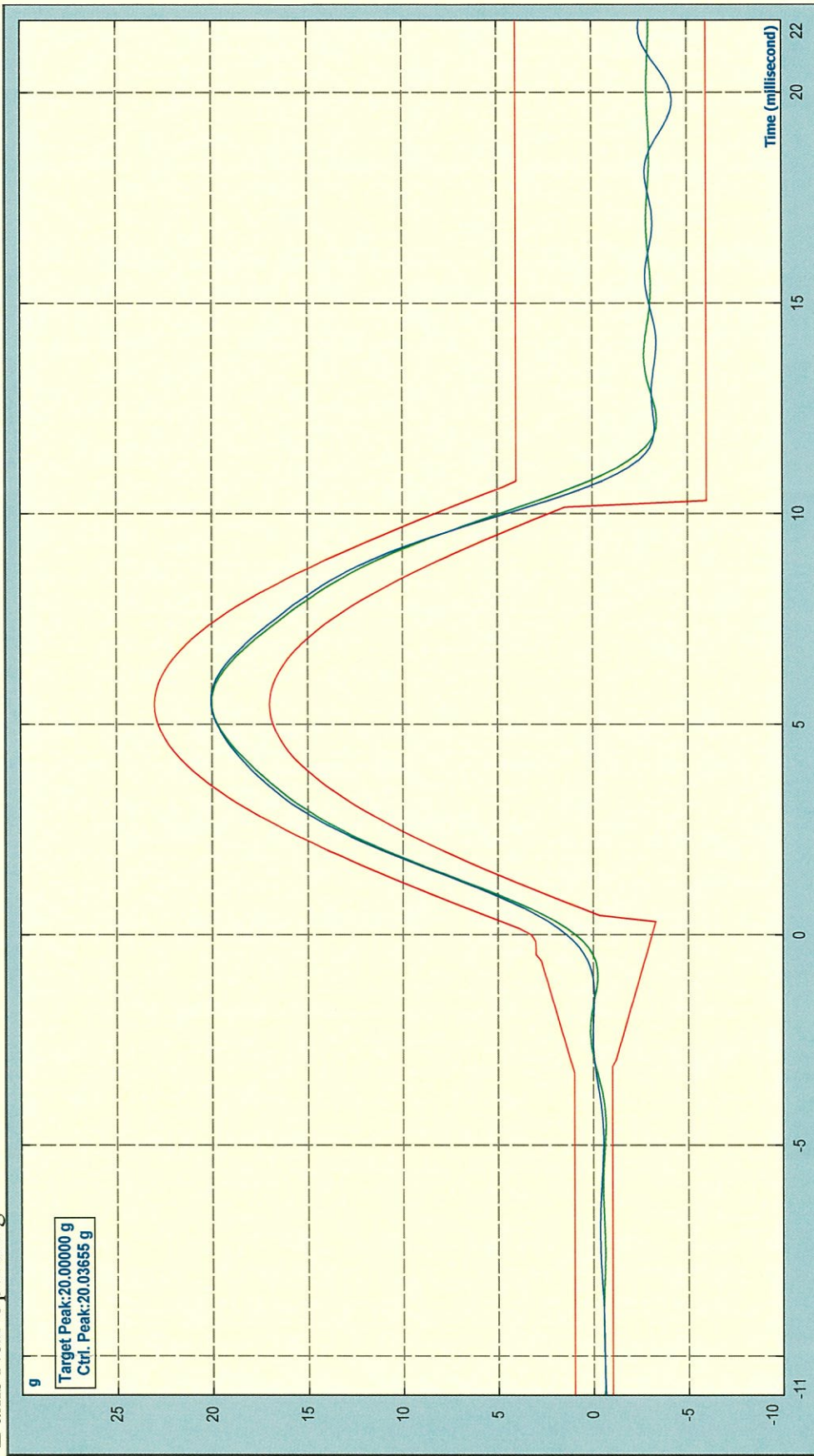
Est. Disp. : 18.54 mm Pk-Pk

Target Pk: 20.00 g

Total Elapsed: 18.0

Measured Pulse width: 11.97814(ms)

-Z axis Non-Operating



Level: 100.00 %
 Velocity Pk: 0.718 m/s
 Control RMS: 2.058 g
 Full Level Elapsed: 3.0

Drive Pk: 0.708V
 Control Pk: 20.04 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.52 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 18.0
 Measured Pulse width: 11.72304(ms)

-END-