

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-140801-1

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-2350 (With HDD)
DATE OF RECEIVED : 2014/08/01
DATE OF TESTED : 2014/08/01

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 :

Te by

Approval Signatory

2014.8.5 *David Lee*

Laboratory Head :

Hsin Zai Chang



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E-mail:service@kdi.tw**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-2350 (With HDD)
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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TESTING / INSPECTION REPORT

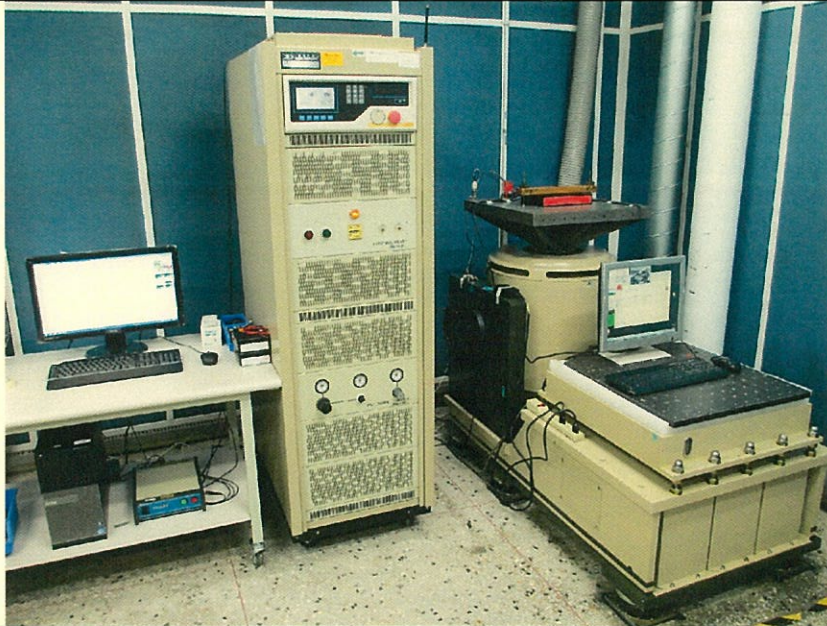
TEST RESULT :

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)

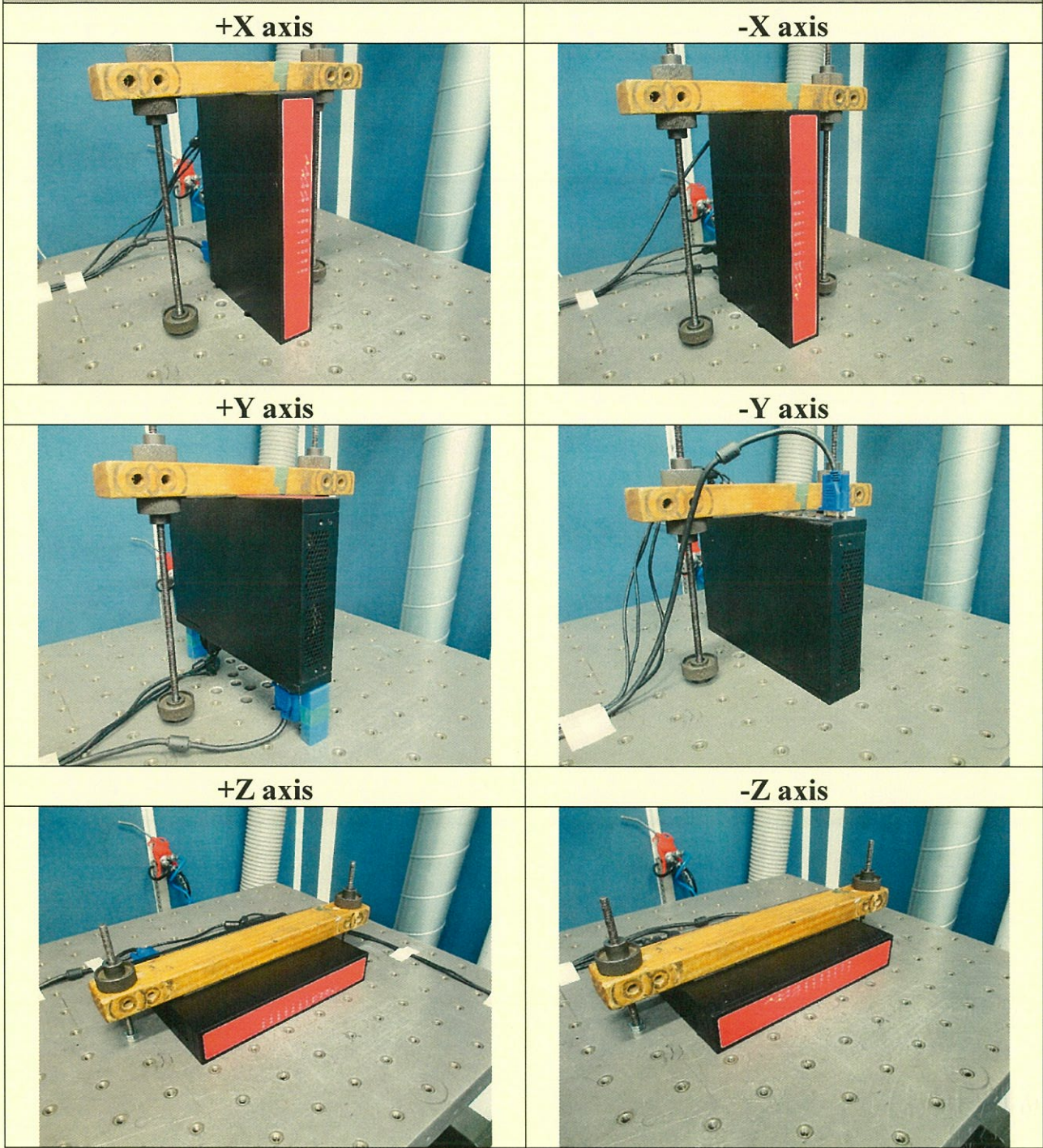


Tester (Non-Operating)

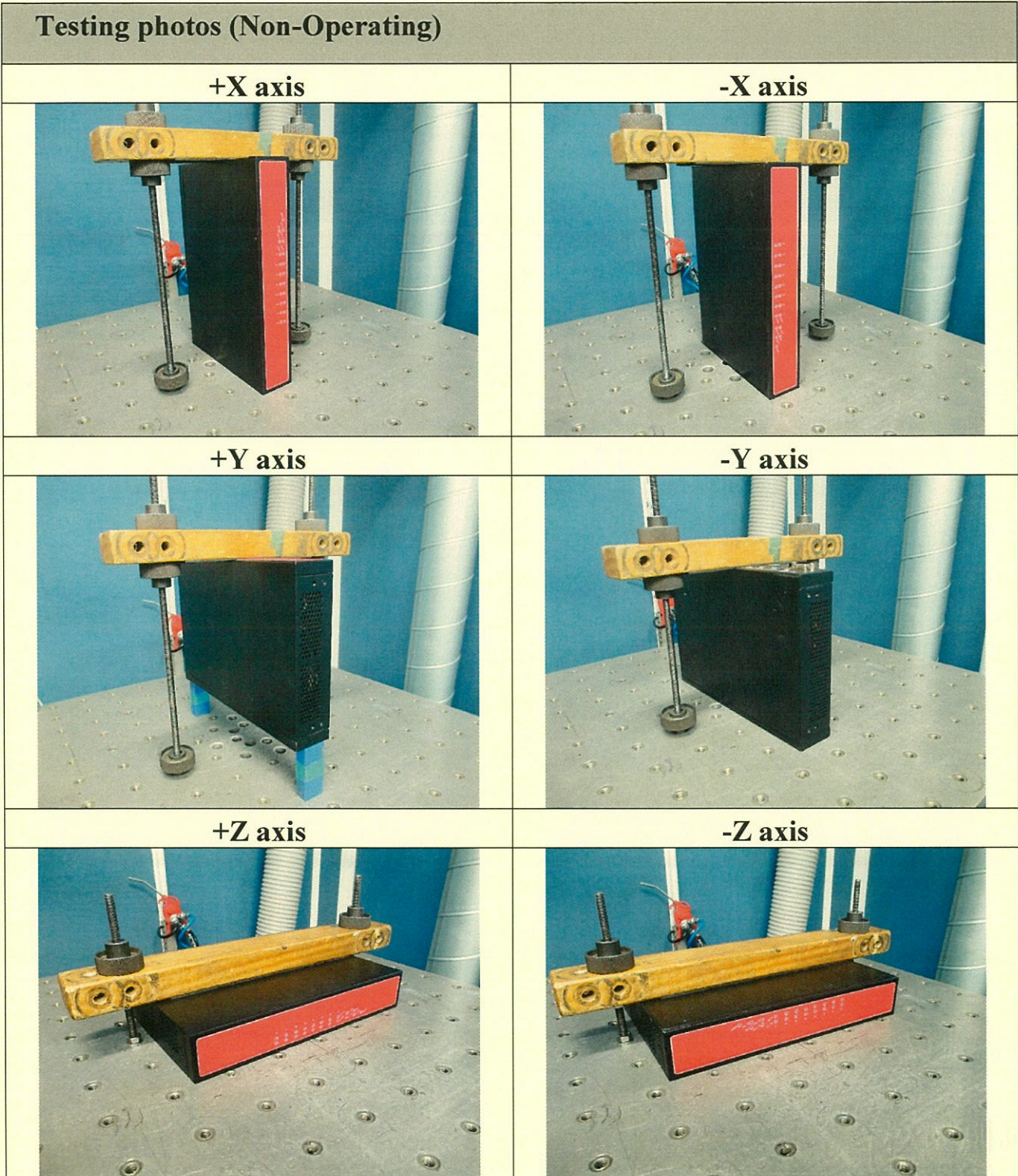


TESTING / INSPECTION REPORT

Testing photos (Operating)



TESTING / INSPECTION REPORT

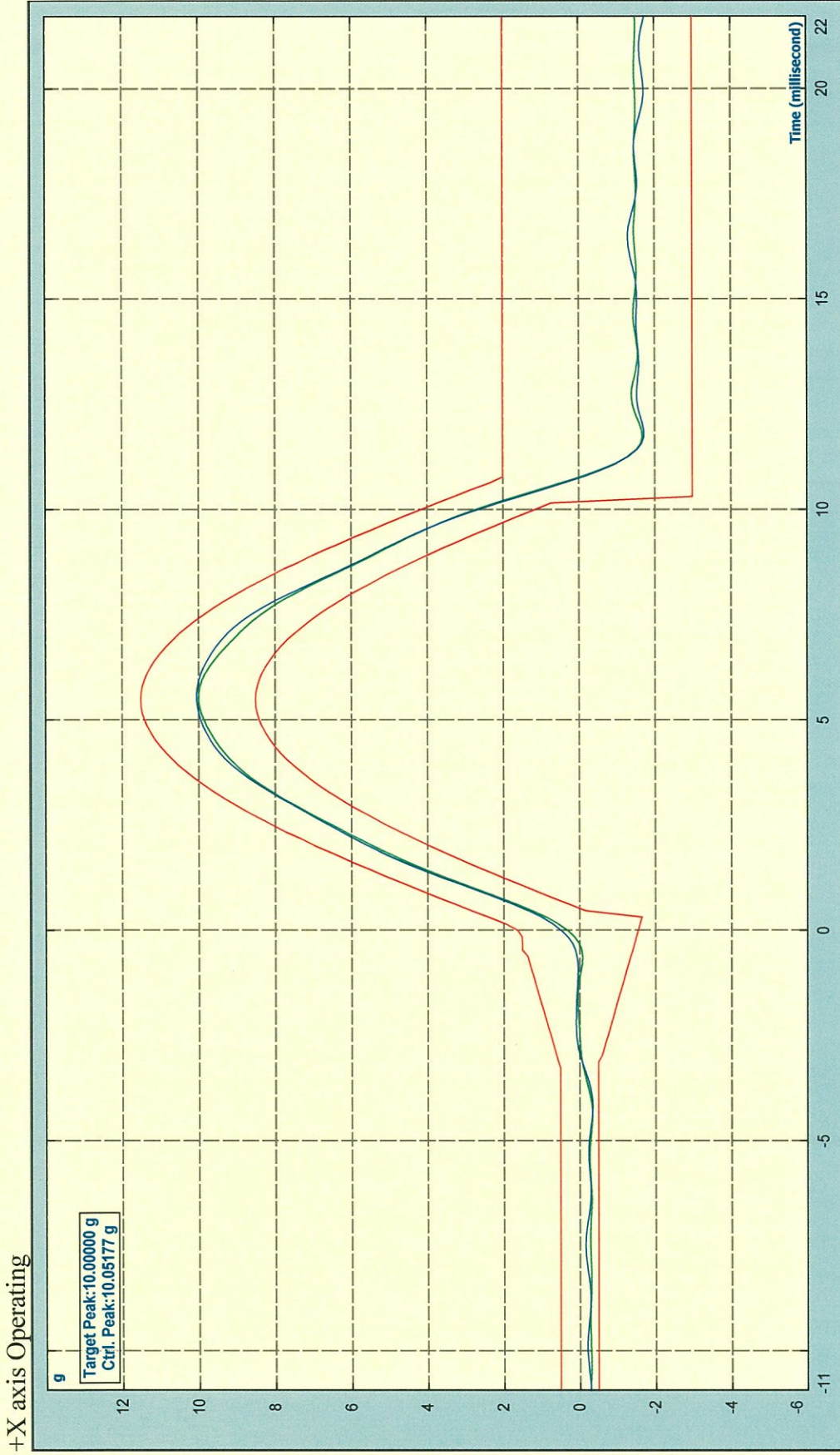


TESTING / INSPECTION REPORT

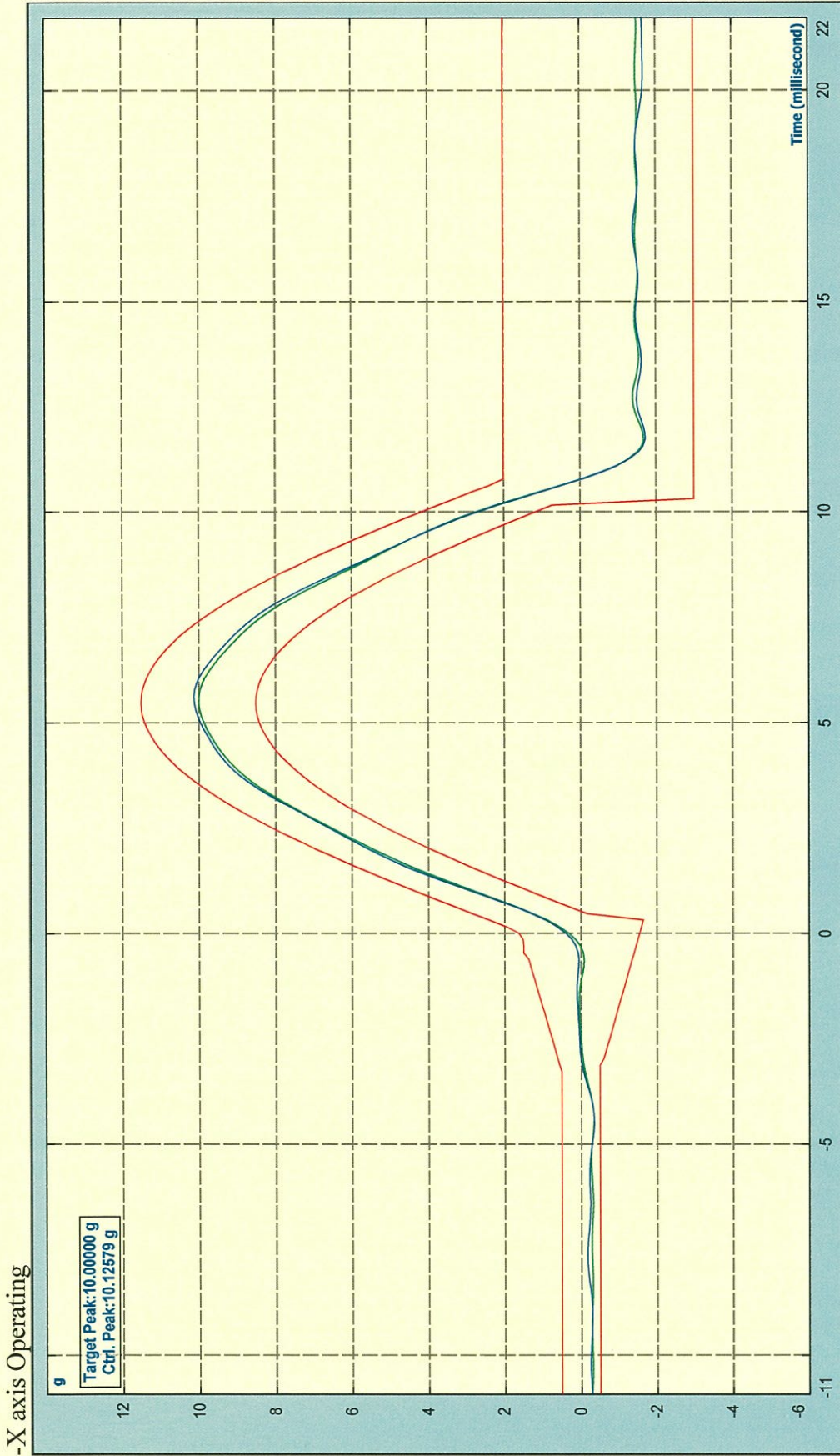
Testing photos

After test





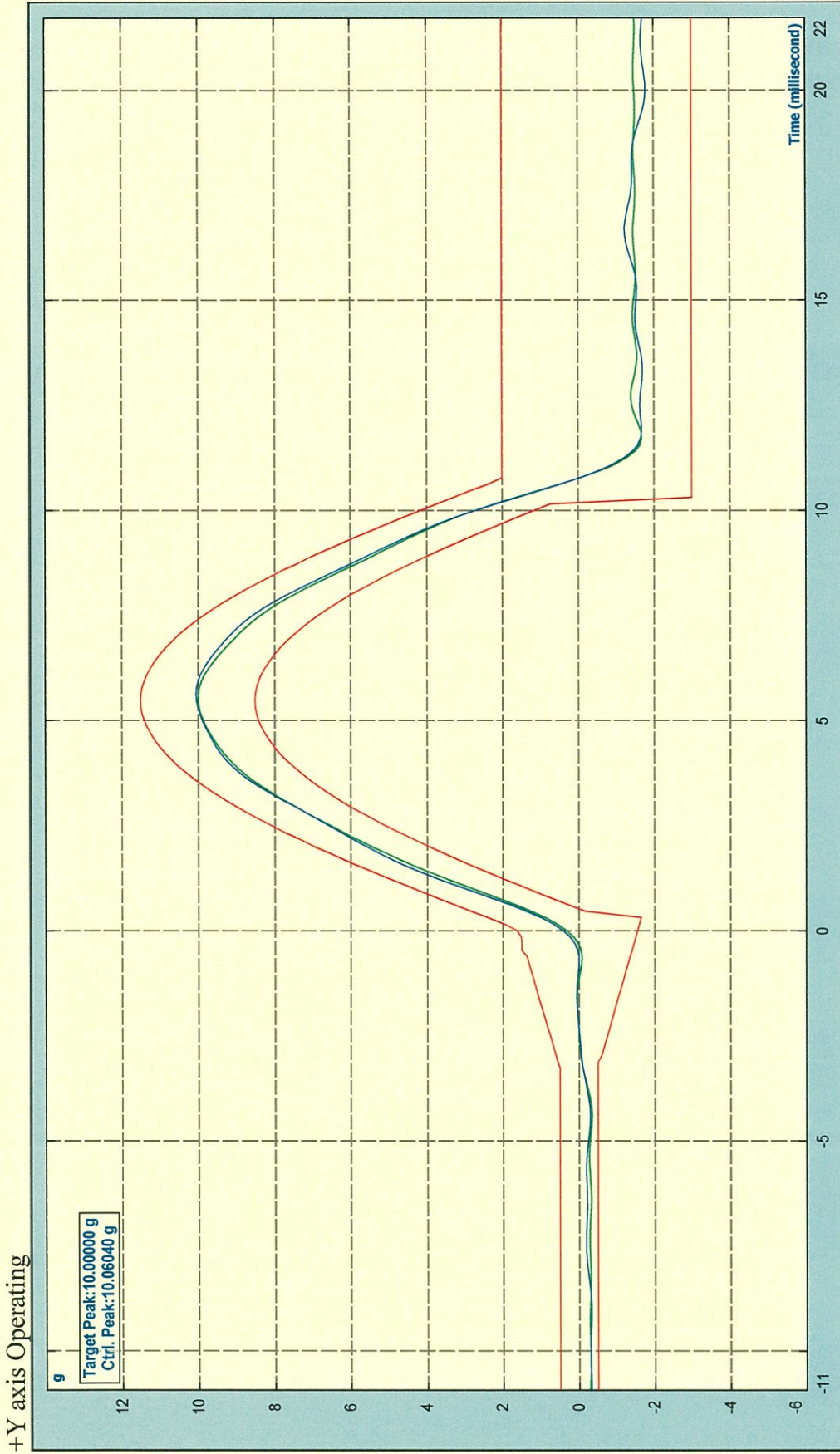
Level: 100.00 %	Drive Pk: 0.631V	Est. Disp. : 9.472 mm Pk-Pk
Velocity Pk: 0.367 m/s	Control Pk: 10.05 g	Target Pk: 10.00 g
Control RMS: 1.042 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 13.65187(ms)



-X axis Operating

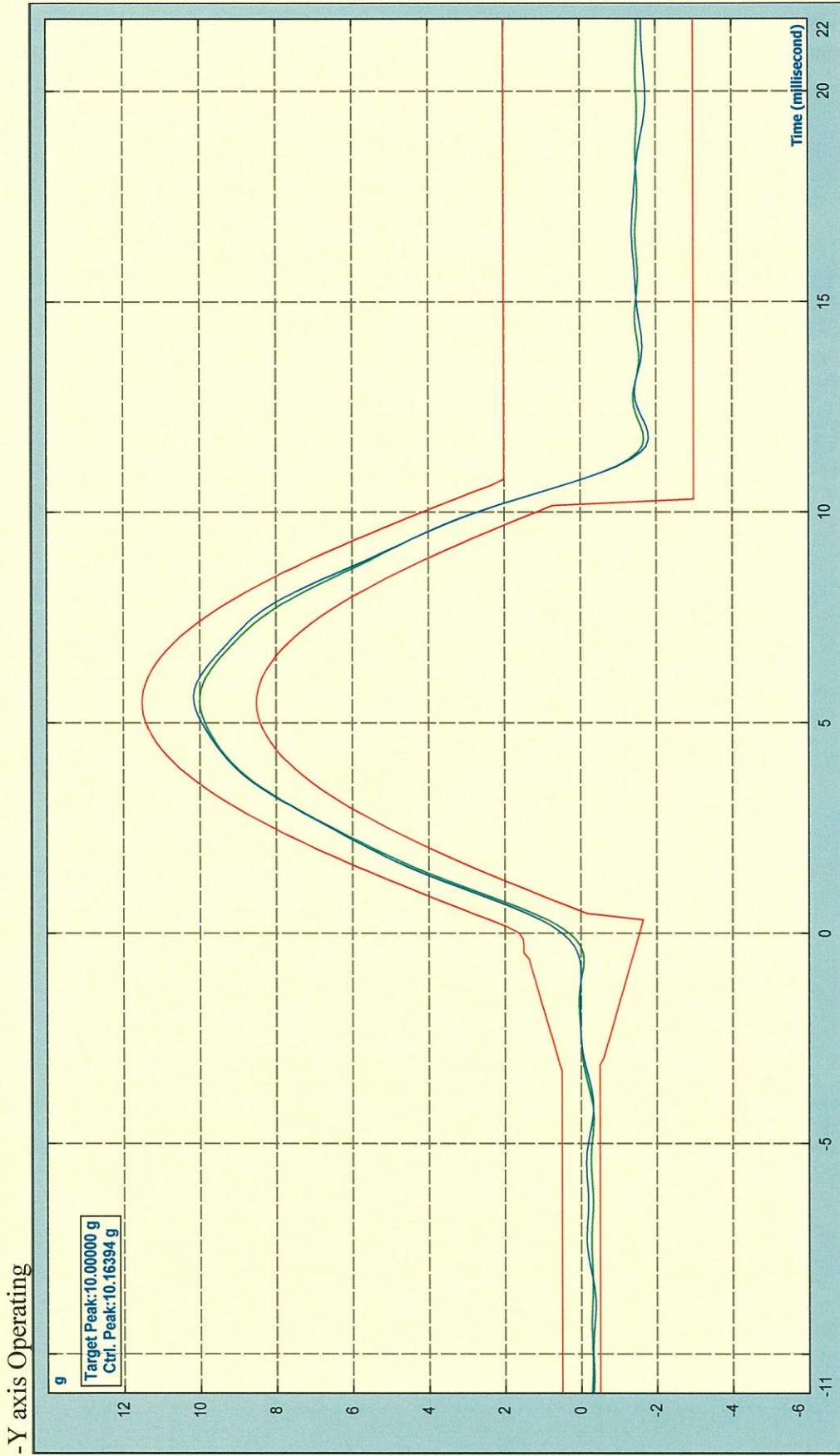
g
Target Peak: 10.00000 g
Ctrl. Peak: 10.12579 g

Level: 100.00 %	Drive Pk: 0.639V	Est. Disp. : 9.481 mm Pk-Pk
Velocity Pk: 0.367 m/s	Control Pk: 10.13 g	Target Pk: 10.00 g
Control RMS: 1.041 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 13.73468(ms)

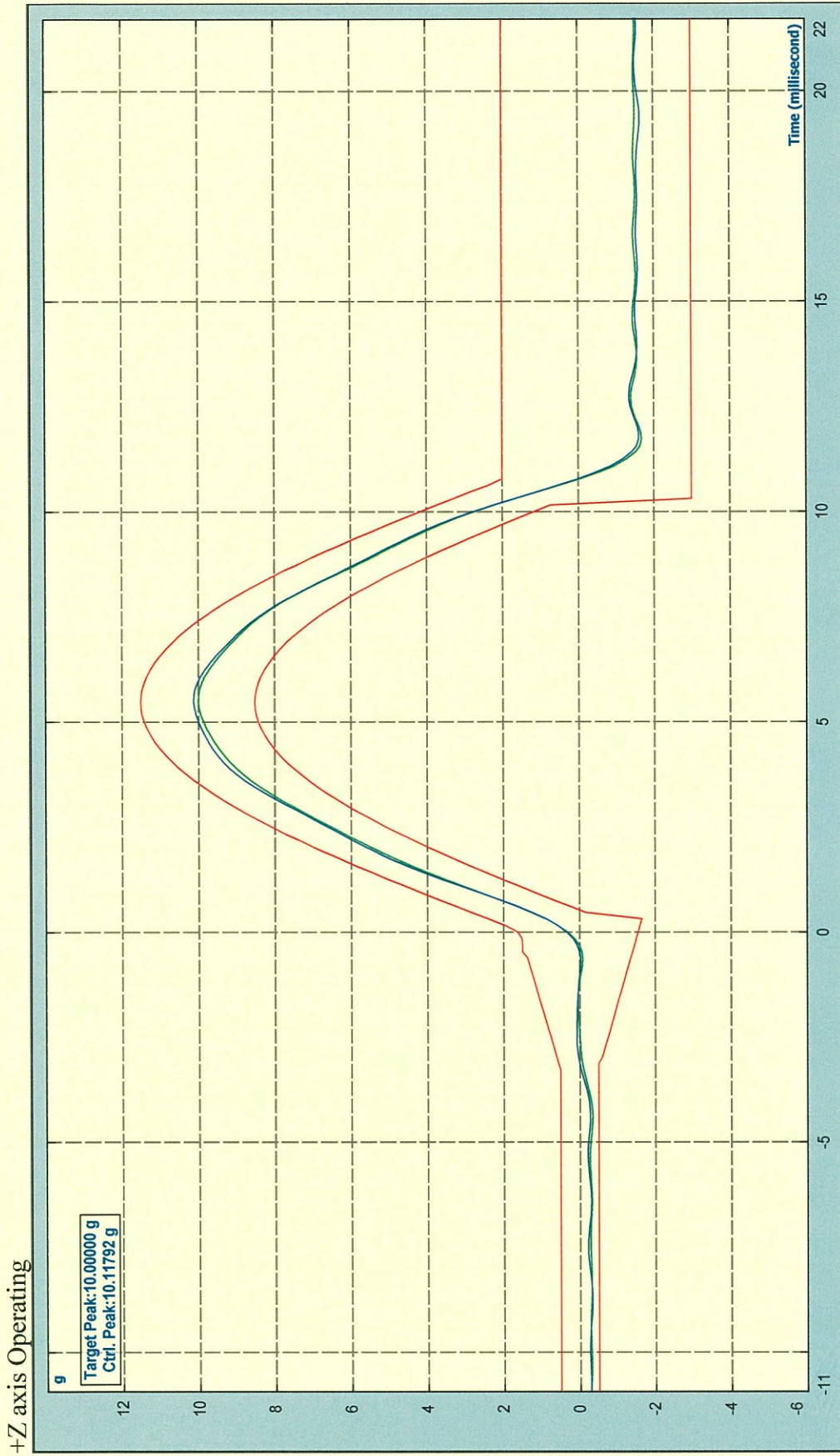


+Y axis Operating

Level: 100.00 %	Drive Pk: 0.636V	Est. Disp. : 9.459 mm Pk-Pk
Velocity Pk: 0.366 m/s	Control Pk: 10.06 g	Target Pk: 10.00 g
Control RMS: 1.041 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.36743(ms)



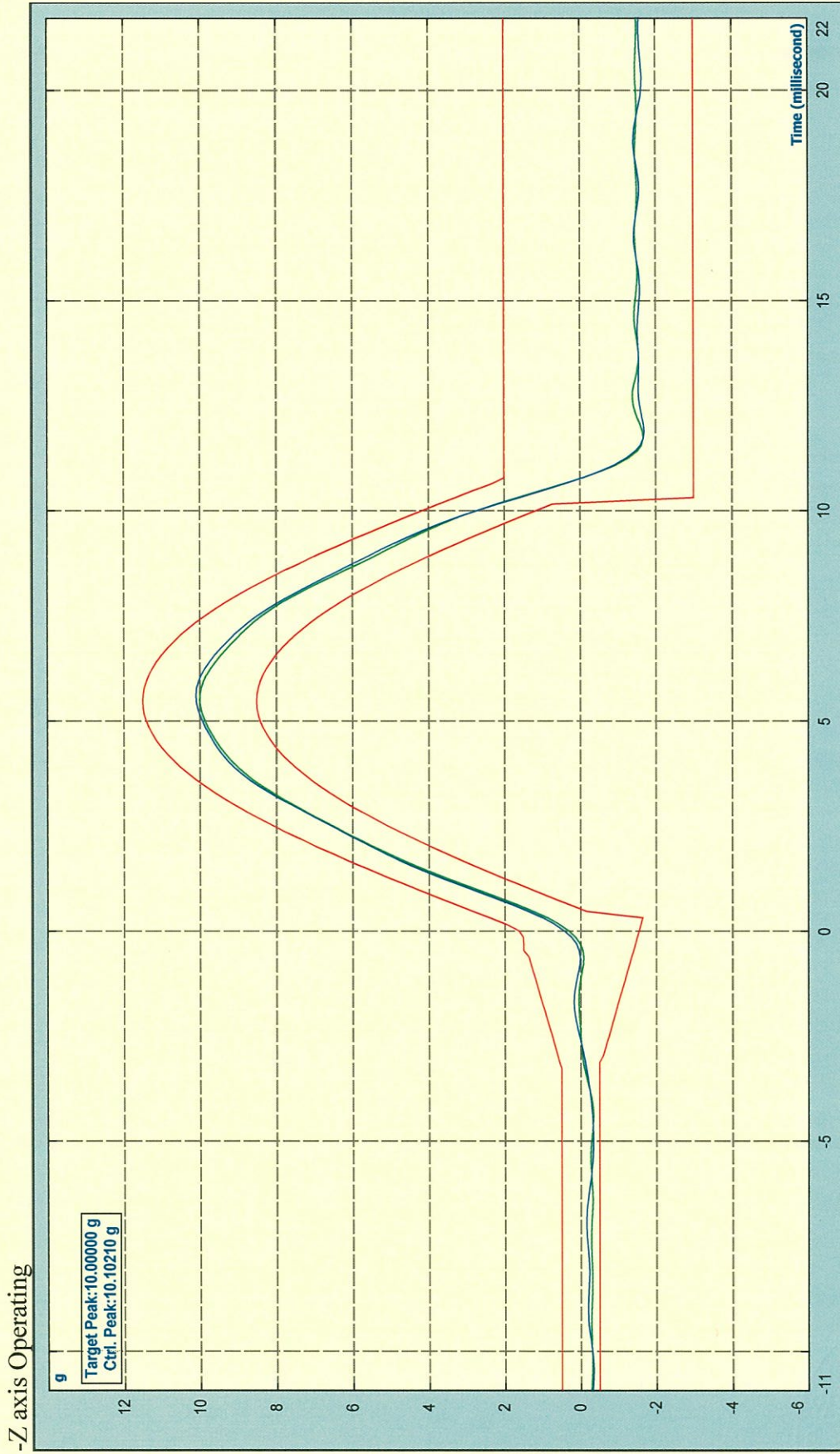
Level: 100.00 %	Drive Pk: 0.645V	Est. Disp. : 9.463 mm Pk-Pk
Velocity Pk: 0.366 m/s	Control Pk: 10.16 g	Target Pk: 10.00 g
Control RMS: 1.041 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.60344(ms)



+Z axis Operating

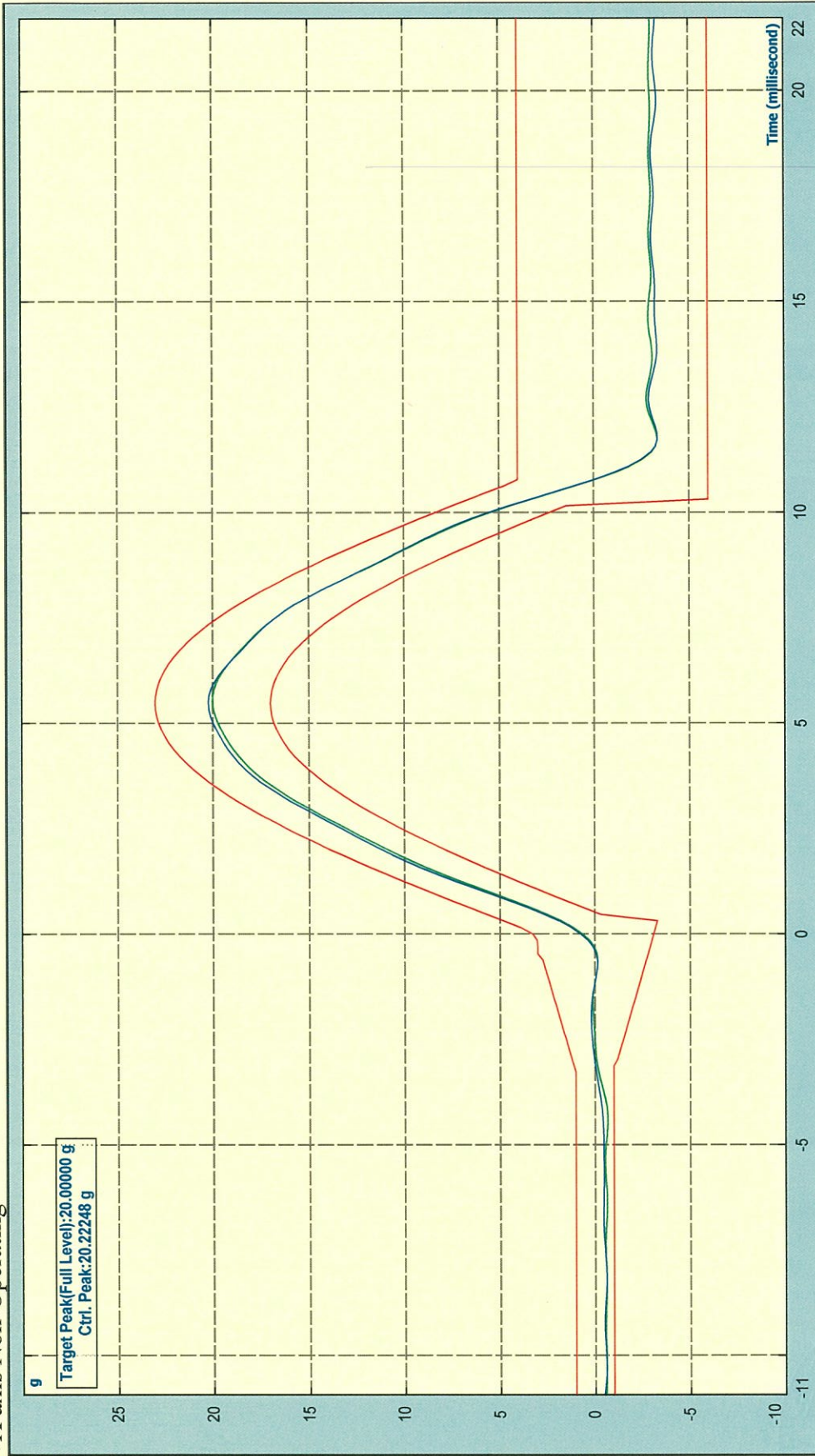
Target Peak: 10.00000 g
Ctrl. Peak: 10.11792 g

Level: 100.00 %	Drive Pk: 0.632V	Est. Disp. : 9.476 mm Pk-Pk
Velocity Pk: 0.366 m/s	Control Pk: 10.12 g	Target Pk: 10.00 g
Control RMS: 1.040 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.24885(ms)



Level: 100.00 %	Drive Pk: 0.640V	Est. Disp. : 9.455 mm Pk-Pk
Velocity Pk: 0.366 m/s	Control Pk: 10.10 g	Target Pk: 10.00 g
Control RMS: 1.040 g	Remaining: 0.0	Total Elapsed: 18.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 13.36918(ms)

+X axis Non-Operating

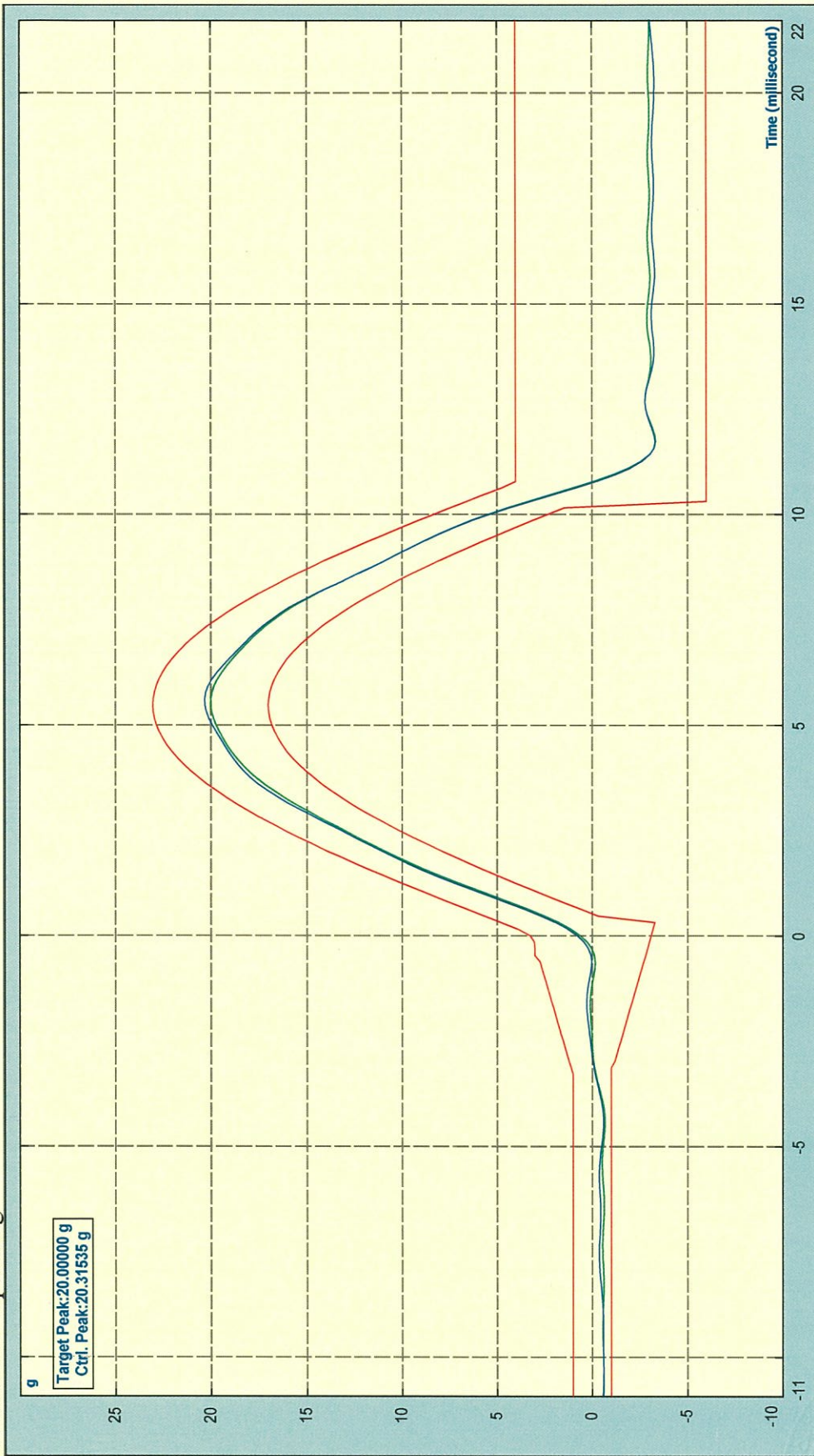


Level: 100.00 %
 Velocity Pk: 0.735 m/s
 Control RMS: 2.074 g
 Full Level Elapsed: 3.0

Drive Pk: 1.252V
 Control Pk: 20.22 g
 Remaining: 0.0
 Pulse width: 11.00 ms

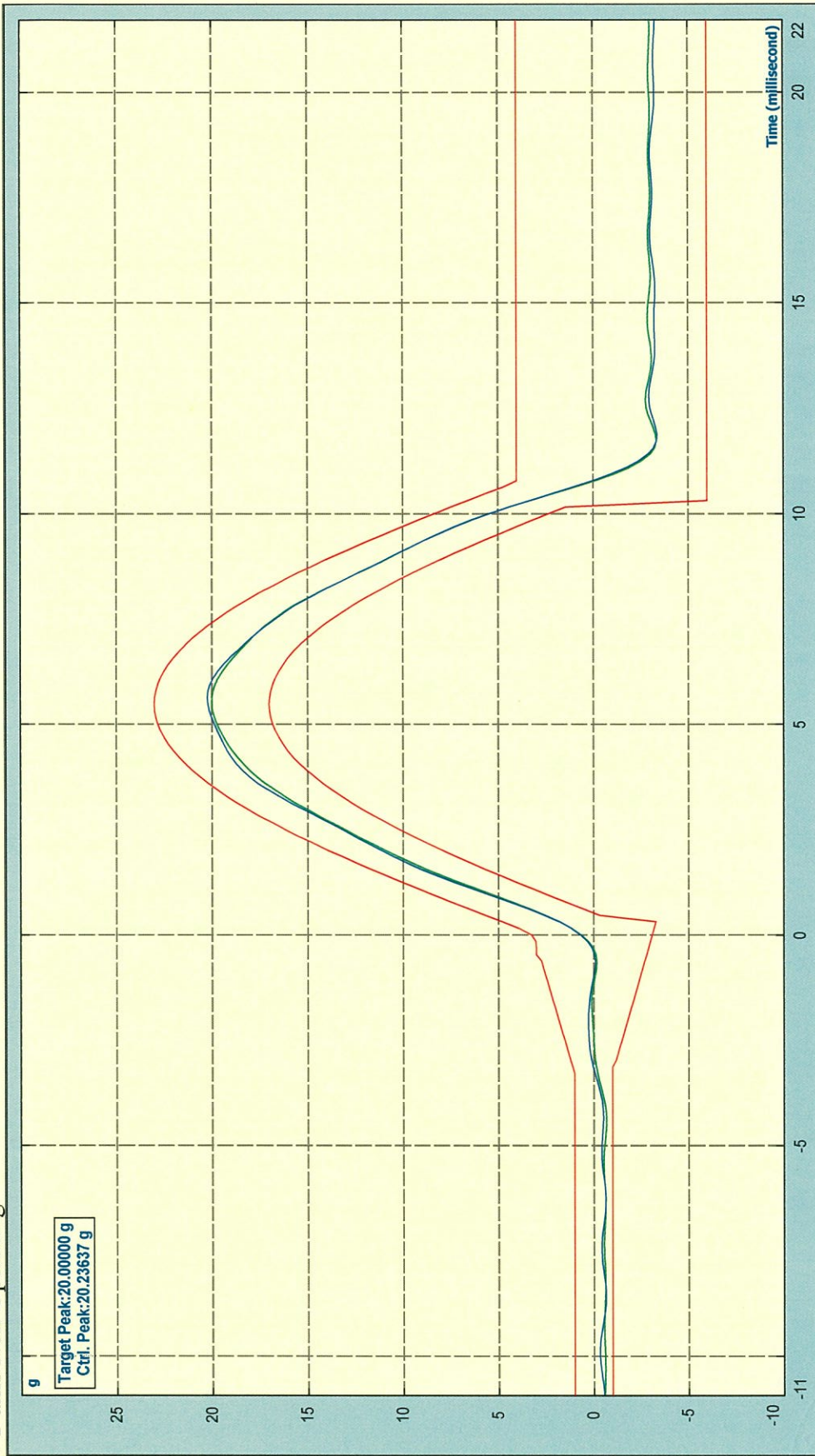
Est. Disp. : 18.92 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 21.0
 Measured Pulse width: 11.16145(ms)

-X axis Non-Operating



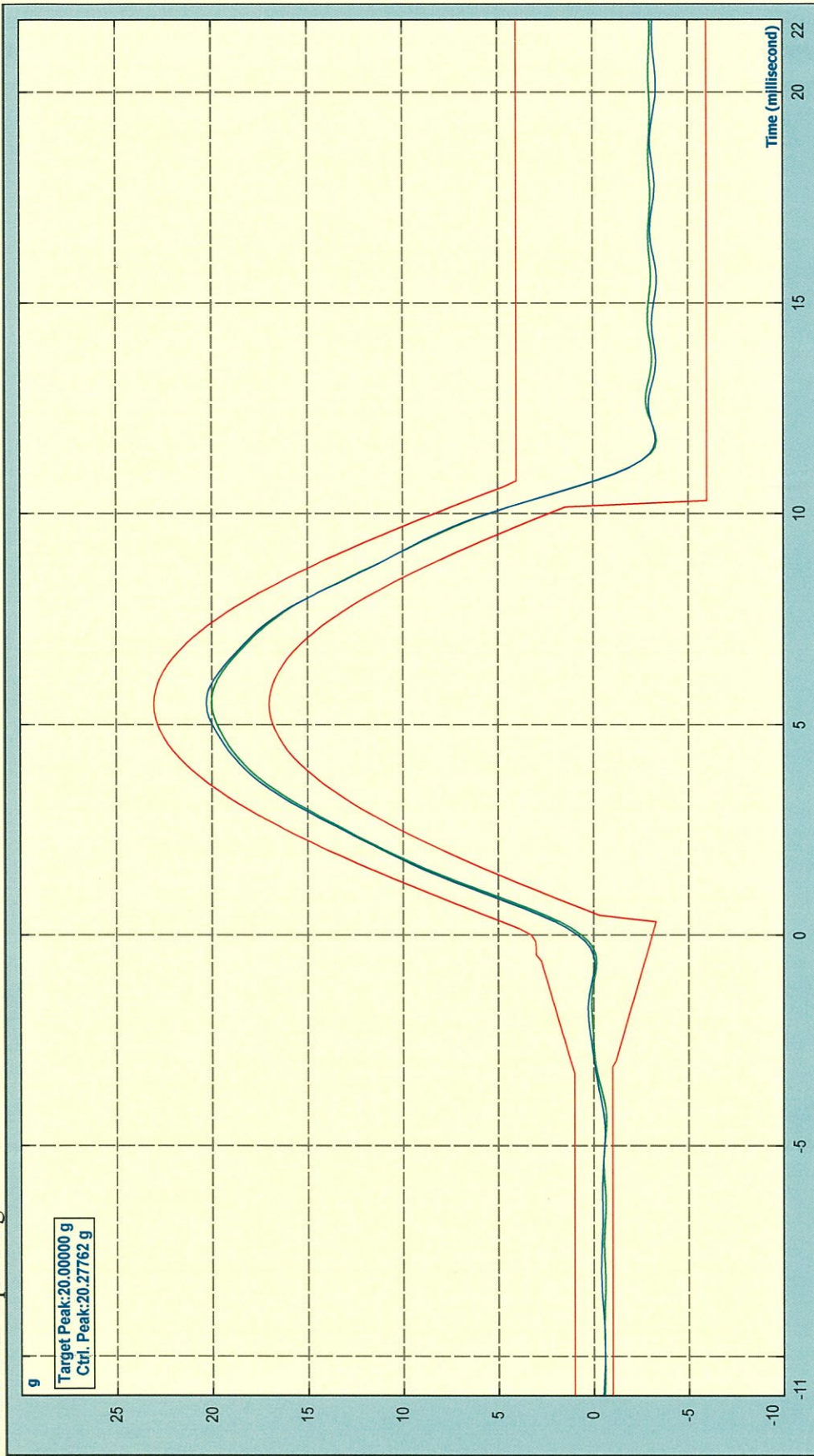
Level: 100.00 %	Drive Pk: 1.258V	Est. Disp. : 18.91 mm Pk-Pk
Velocity Pk: 0.735 m/s	Control Pk: 20.32 g	Target Pk: 20.00 g
Control RMS: 2.076 g	Remaining: 0.0	Total Elapsed: 21.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 13.55189(ms)

+Y axis Non-Operating



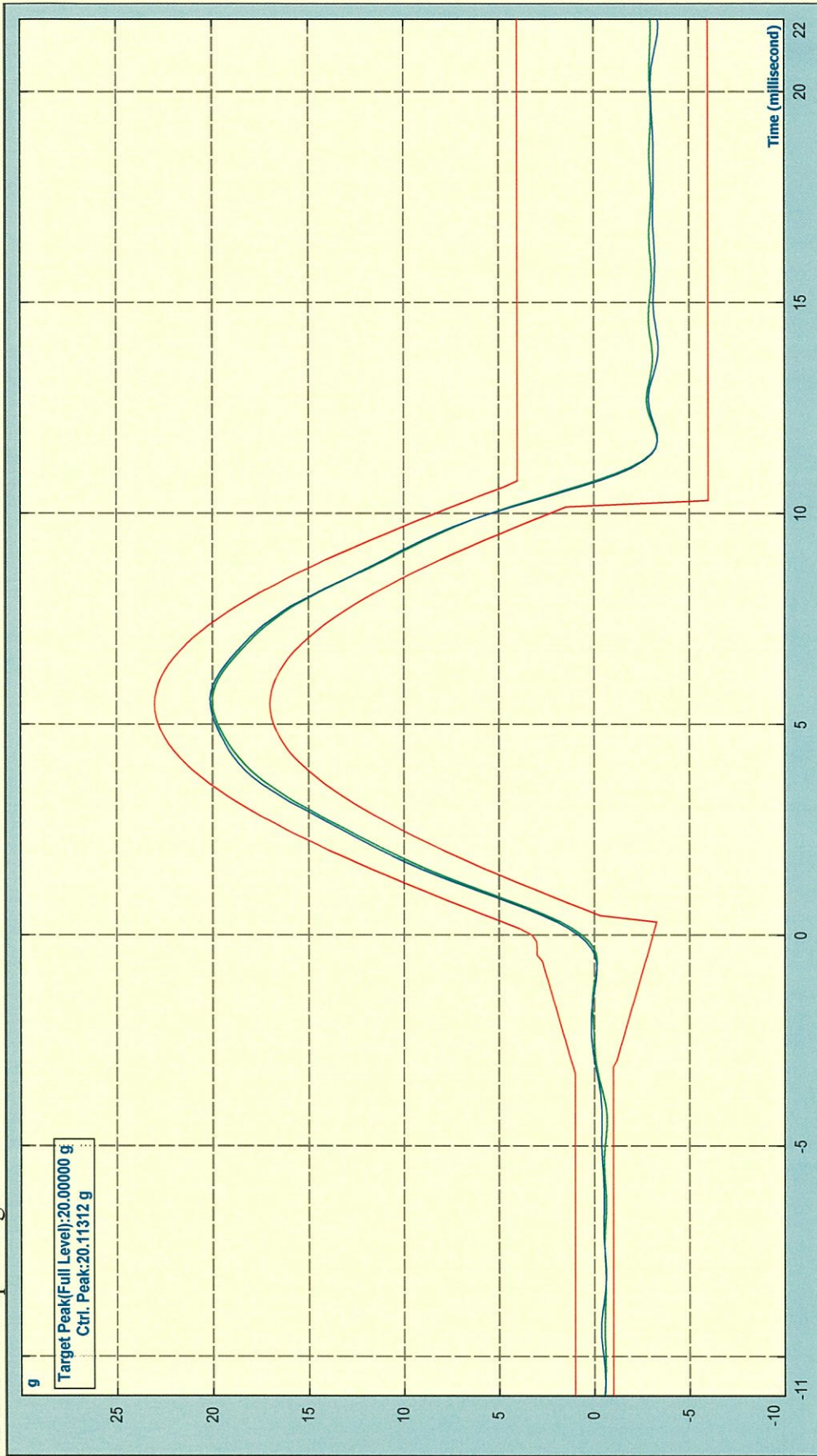
Level: 100.00 %	Drive Pk: 1.247V	Est. Disp. : 18.89 mm Pk-Pk
Velocity Pk: 0.734 m/s	Control Pk: 20.24 g	Target Pk: 20.00 g
Control RMS: 2.074 g	Remaining: 0.0	Total Elapsed: 21.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.18863(ms)

-Y axis Non-Operating



Level: 100.00 %	Drive Pk: 1.263V	Est. Disp. : 18.90 mm Pk-Pk
Velocity Pk: 0.735 m/s	Control Pk: 20.28 g	Target Pk: 20.00 g
Control RMS: 2.075 g	Remaining: 0.0	Total Elapsed: 21.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.22164(ms)

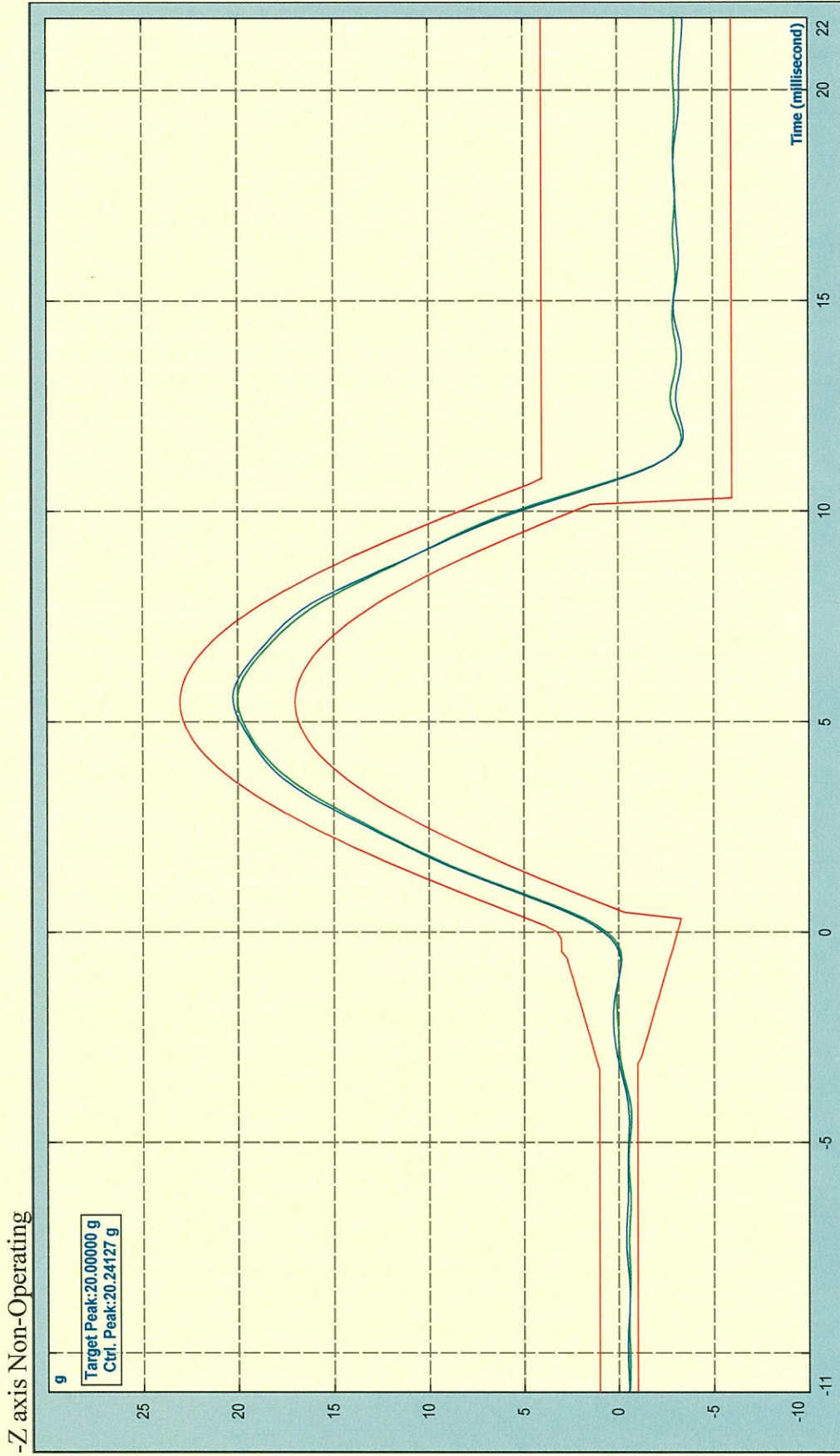
+Z axis Non-Operating



Level: 100.00 %
Velocity Pk: 0.735 m/s
Control RMS: 2.077 g
Full Level Elapsed: 3.0

Drive Pk: 1.278V
Control Pk: 20.11 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 18.89 mm Pk-Pk
Target Pk: 20.00 g
Total Elapsed: 21.0
Measured Pulse width: 11.18340(ms)



Level: 100.00 %	Drive Pk: 1.275V	Est. Disp. : 18.89 mm Pk-Pk
Velocity Pk: 0.735 m/s	Control Pk: 20.24 g	Target Pk: 20.00 g
Control RMS: 2.078 g	Remaining: 0.0	Total Elapsed: 21.0
Full Level Elapsed: 3.0	Pulse width: 11.00 ms	Measured Pulse width: 11.18476(ms)

-END-