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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-161205-2

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-7821
DATE OF RECEIVED : 2016/12/05
DATE OF TESTED : 2016/12/05

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

Test Engineer :

Te Py

Approval Signatory :

David Lee

Laboratory Head :

Hsin Tai Chang

金頓科技實驗室

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
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 : 26°C (25±10°C)
Relative Humidity : 67%RH (50±20% RH)

SPECIMEN :

Model : FWS-7821
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


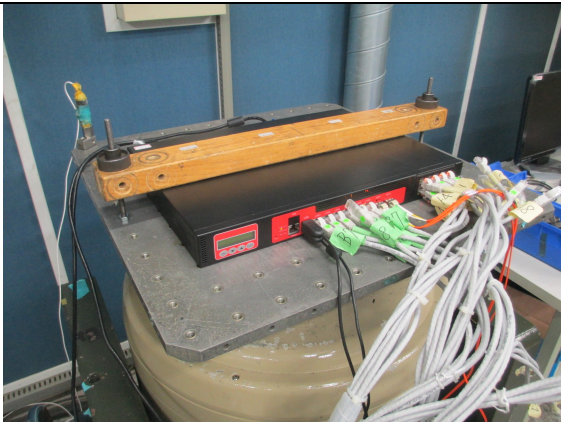
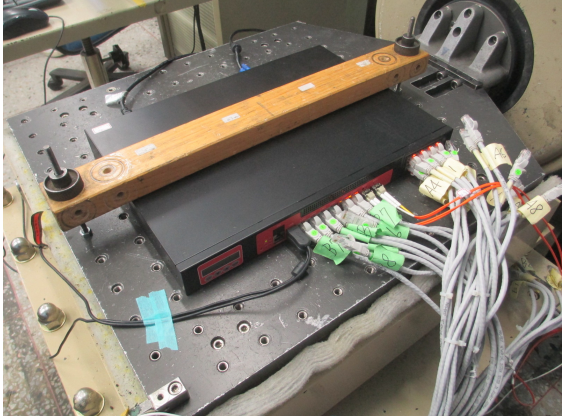
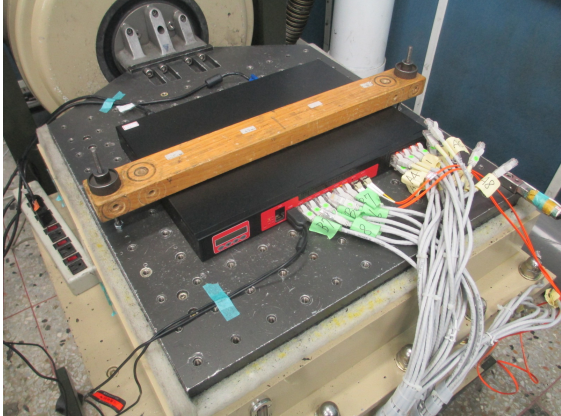
Shock test (Non-Operating)

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



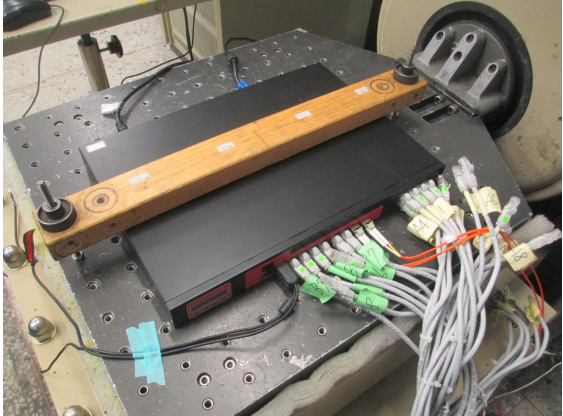

TEST RESULT :

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	±Z axis
	
±X axis	±Y axis
	

TESTING / INSPECTION REPORT

Testing photos (Non-Operating)	
Tester	±Z axis
	
±X axis	±Y axis
	

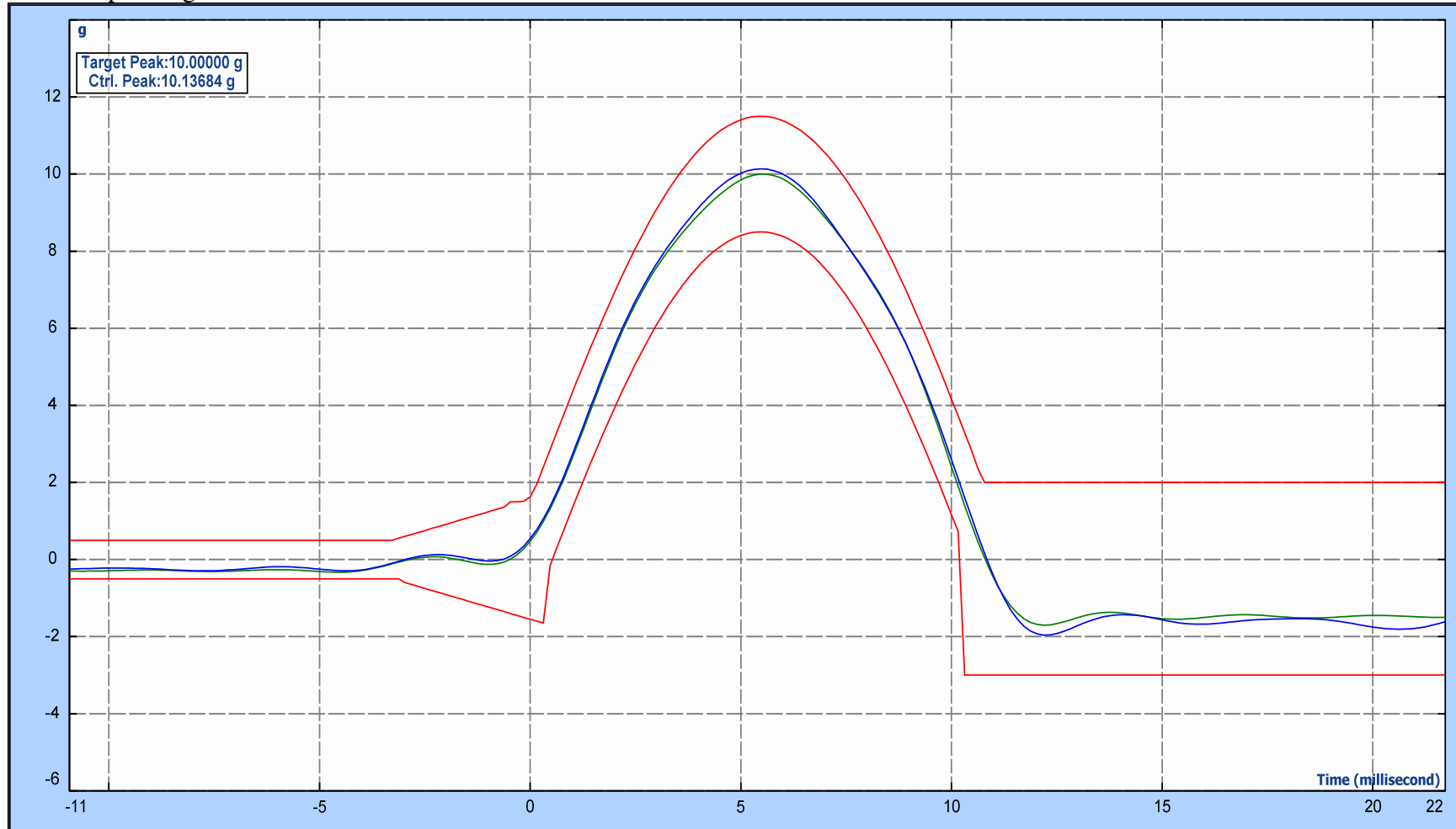
TESTING / INSPECTION REPORT

Testing photos

After test-1

After test-2


+X axis Operating

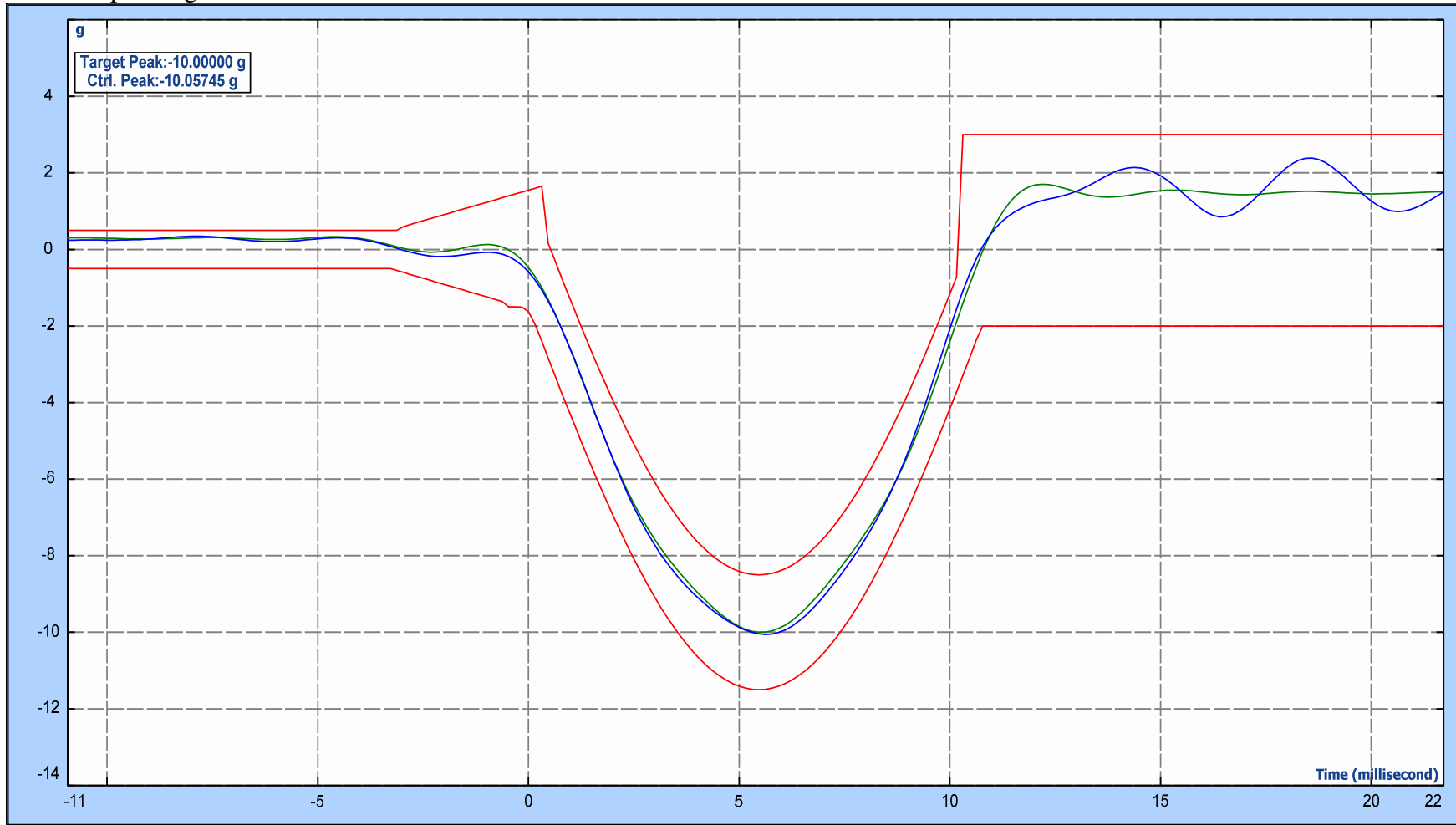


Level: 100.00 %
 Velocity Pk: 362.3 mm/s
 Control RMS: 1.031 g
 Full Level Elapsed: 3.0

Drive Pk: 1.106V
 Control Pk: 10.14 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.483 mm Pk-Pk
 Target Pk: 10.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 11.50939(ms)

-X axis Operating

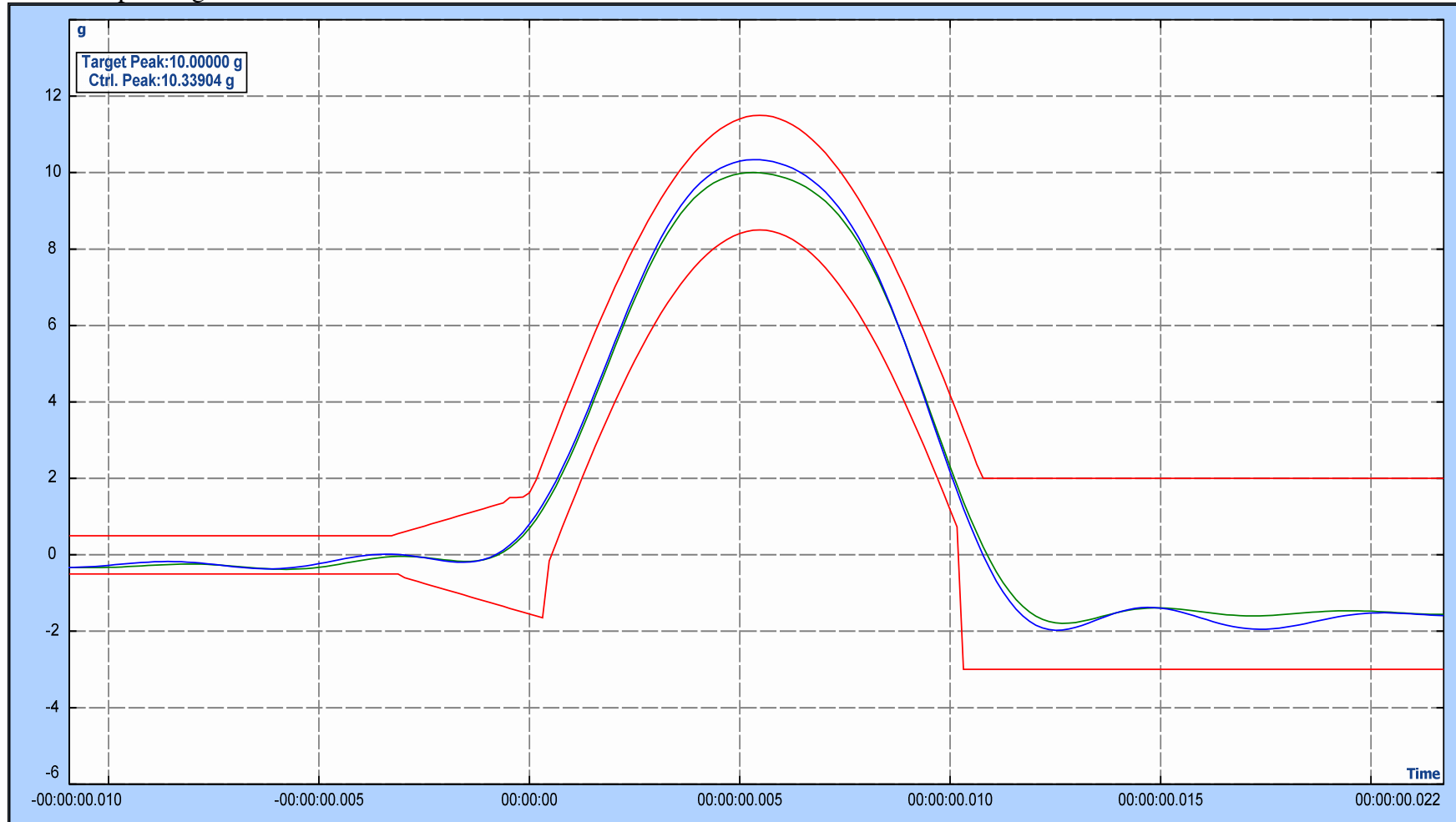


Level: -100.00 %
 Velocity Pk: 359.1 mm/s
 Control RMS: 1.065 g
 Full Level Elapsed: 3.0

Drive Pk: -1.1e+0V
 Control Pk: -10.06 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.303 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 13.77747(ms)

+Y axis Operating

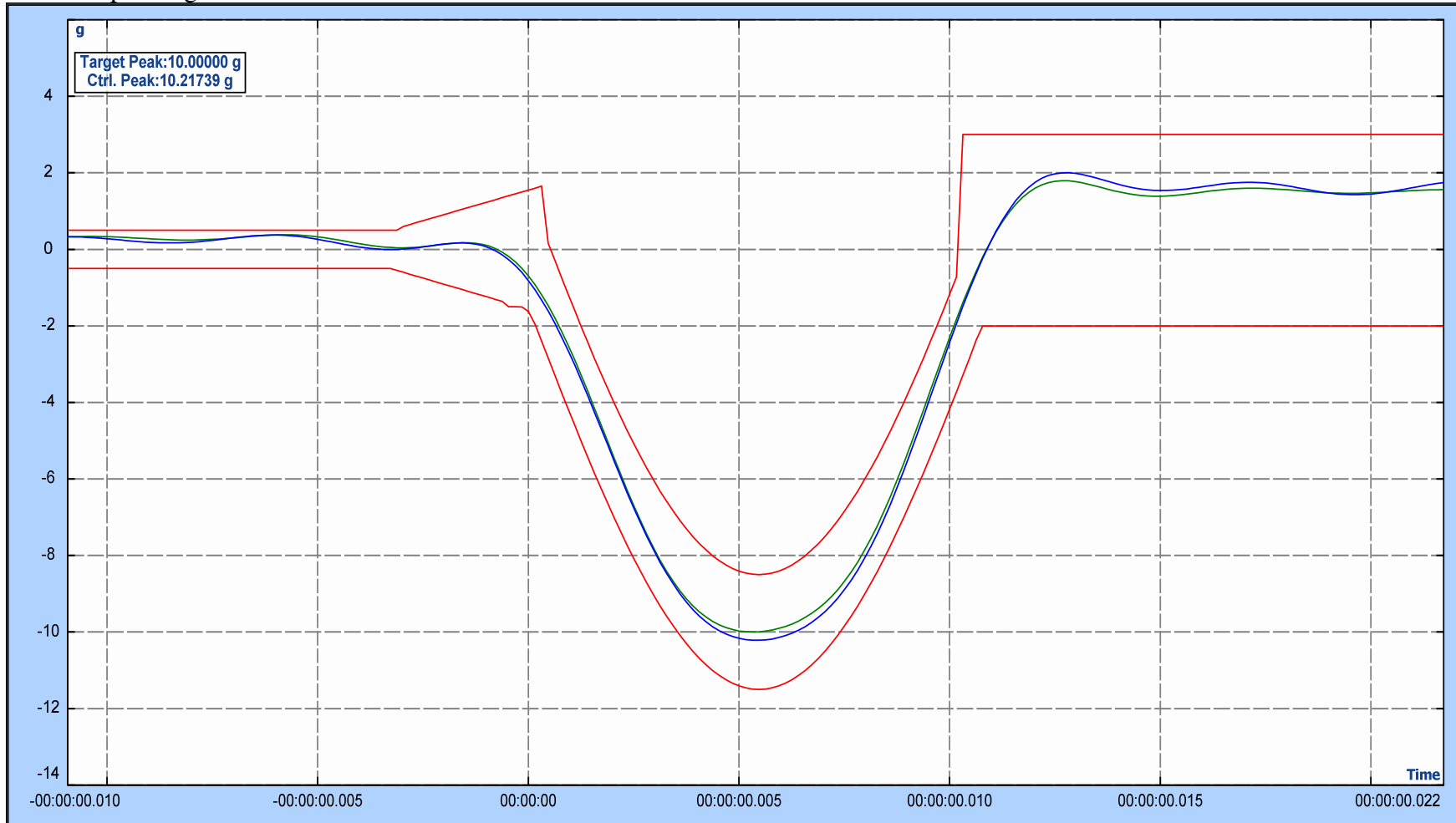


Level: 100.00 %
 Velocity Pk: 13.38 in/s
 Control RMS: 0.977 g
 Full Level Elapsed: 3.0

Drive Pk: 0.571V
 Control Pk: 10.34 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 8.800 mm Pk-Pk
 Target Pk: 10.00 g
 Total Elapsed: 21.0
 Measured Pulse width: 0.00000(ms)

-Y axis Operating

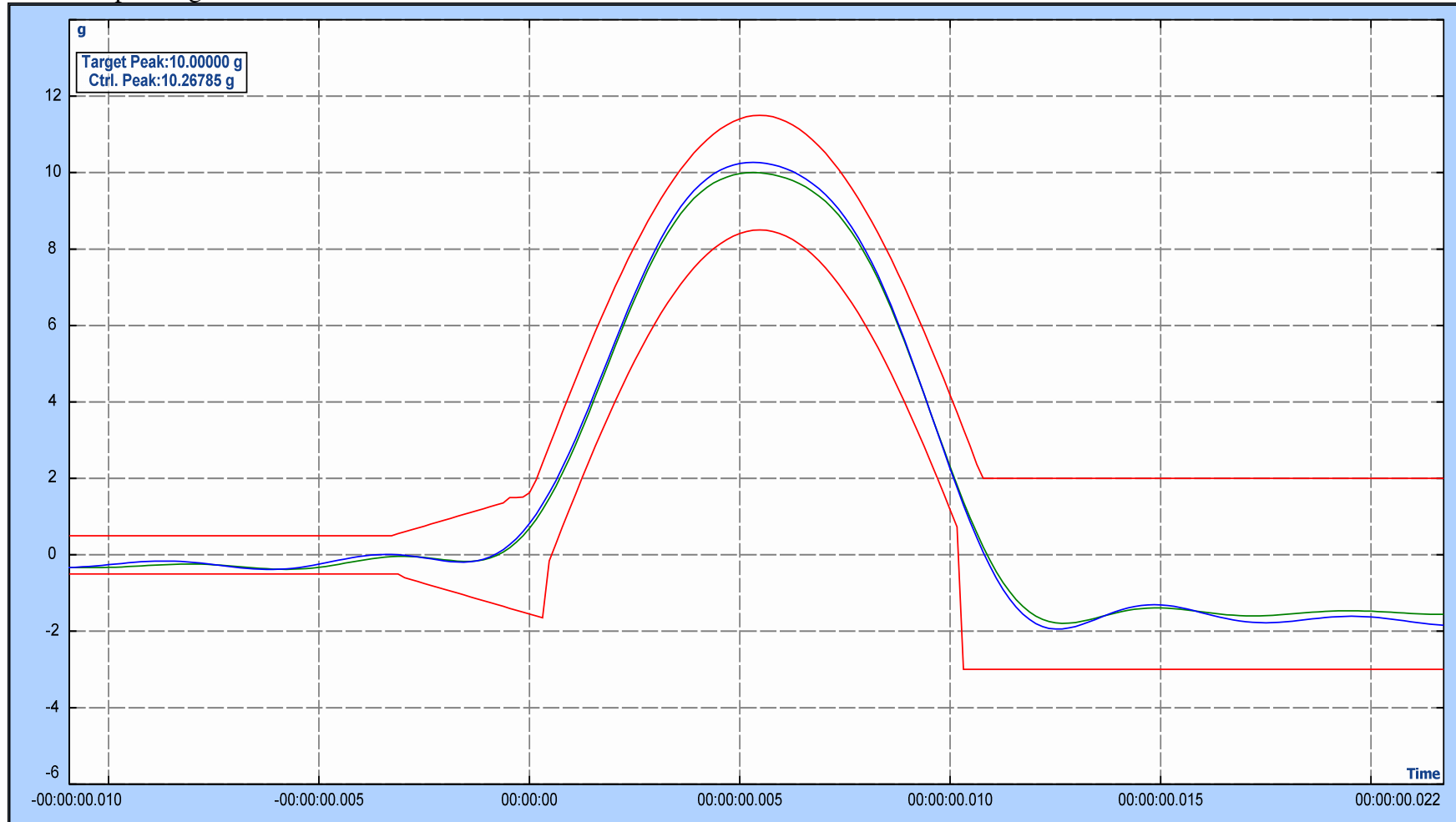


Level: -100.00 %
 Velocity Pk: 13.47 in/s
 Control RMS: 0.975 g
 Full Level Elapsed: 3.0

Drive Pk: -6.0e-1V
 Control Pk: -10.22 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.019 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 21.0
 Measured Pulse width: 0.00000(ms)

+Z axis Operating

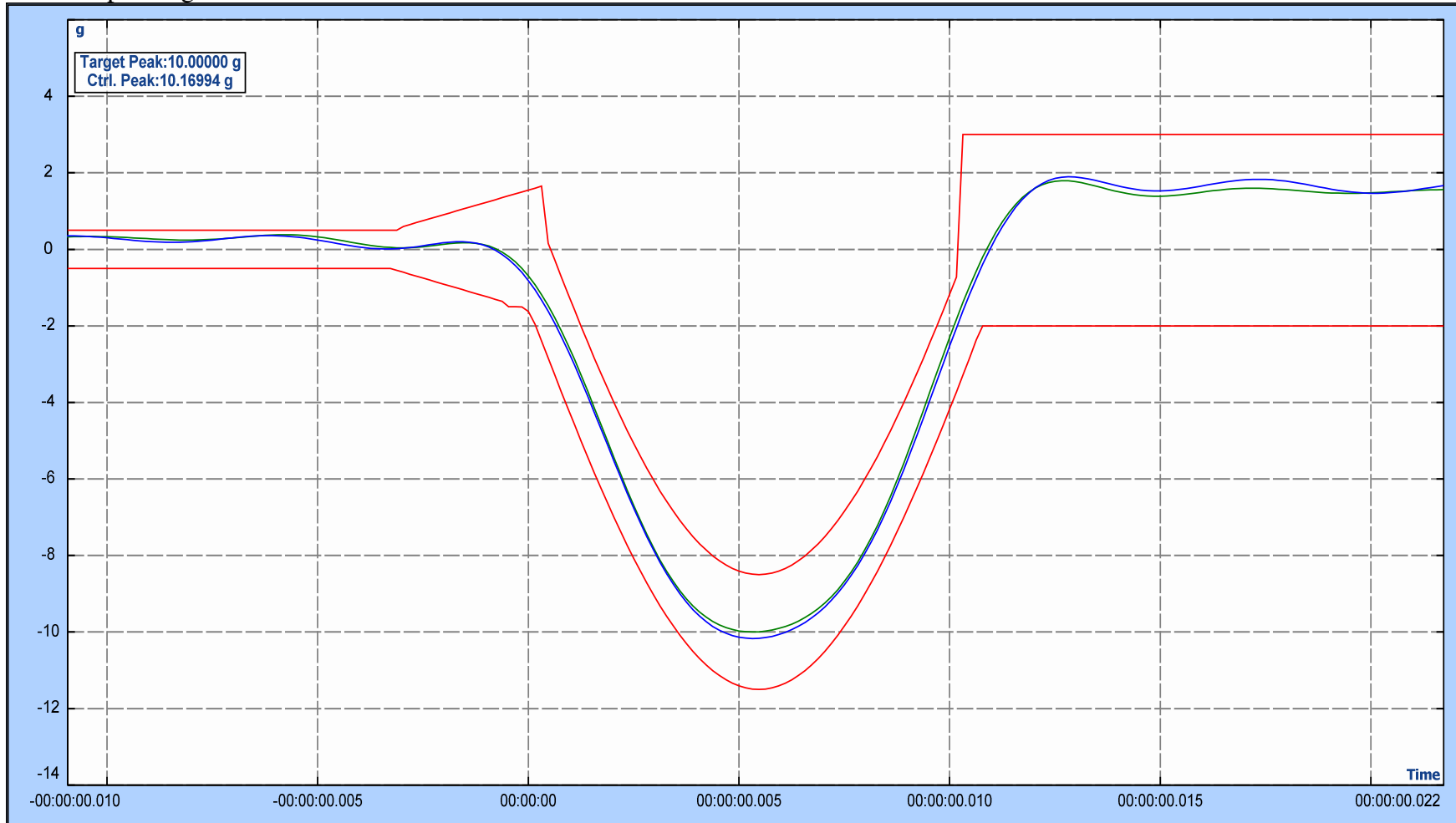


Level: 100.00 %
 Velocity Pk: 13.38 in/s
 Control RMS: 0.975 g
 Full Level Elapsed: 3.0

Drive Pk: 0.566V
 Control Pk: 10.27 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 8.802 mm Pk-Pk
 Target Pk: 10.00 g
 Total Elapsed: 21.0
 Measured Pulse width: 0.00000(ms)

-Z axis Operating

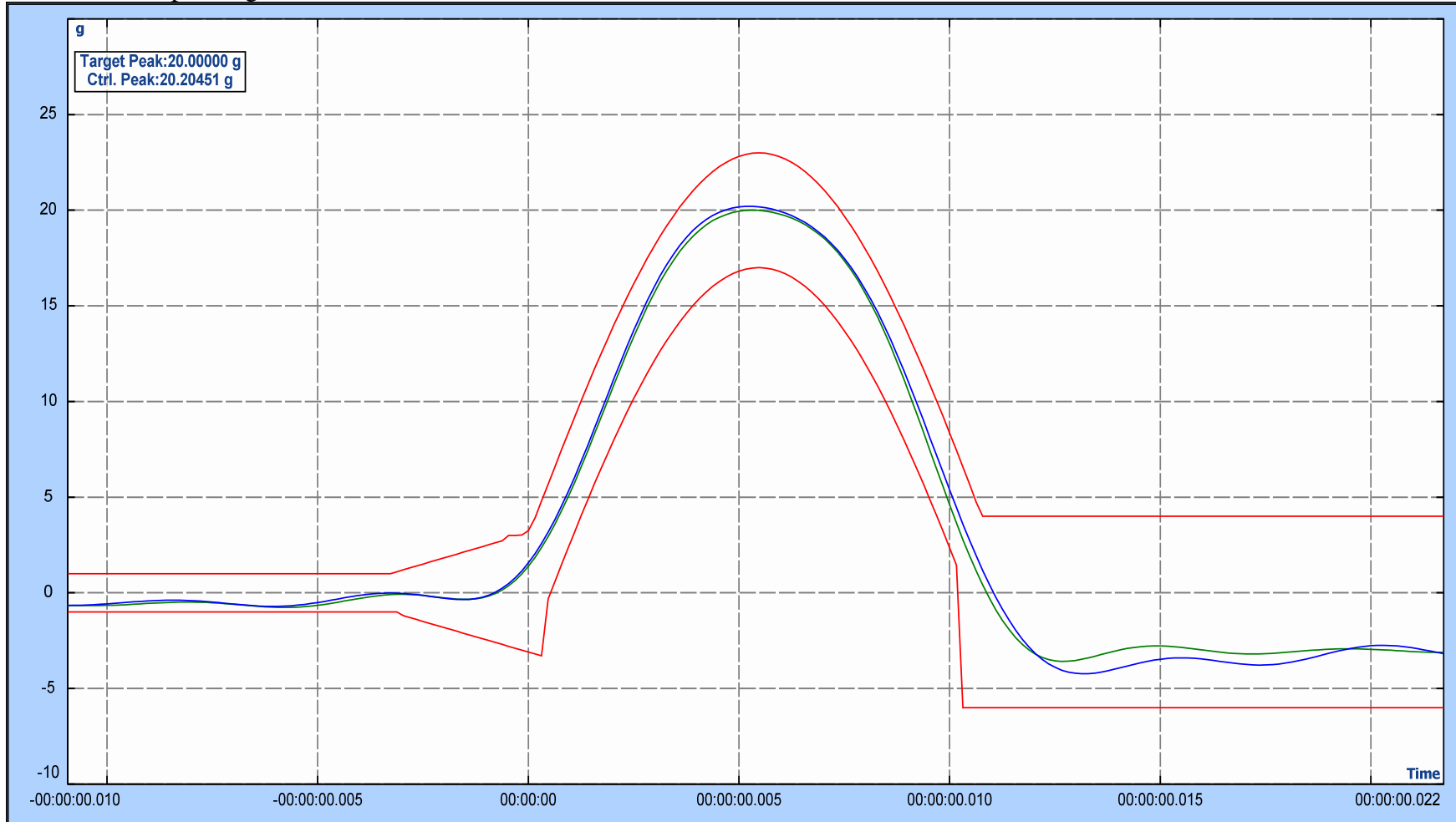


Level: -100.00 %
 Velocity Pk: 13.43 in/s
 Control RMS: 0.971 g
 Full Level Elapsed: 3.0

Drive Pk: -5.9e-1V
 Control Pk: -10.17 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 8.849 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 21.0
 Measured Pulse width: 0.00000(ms)

+X axis Non-Operating

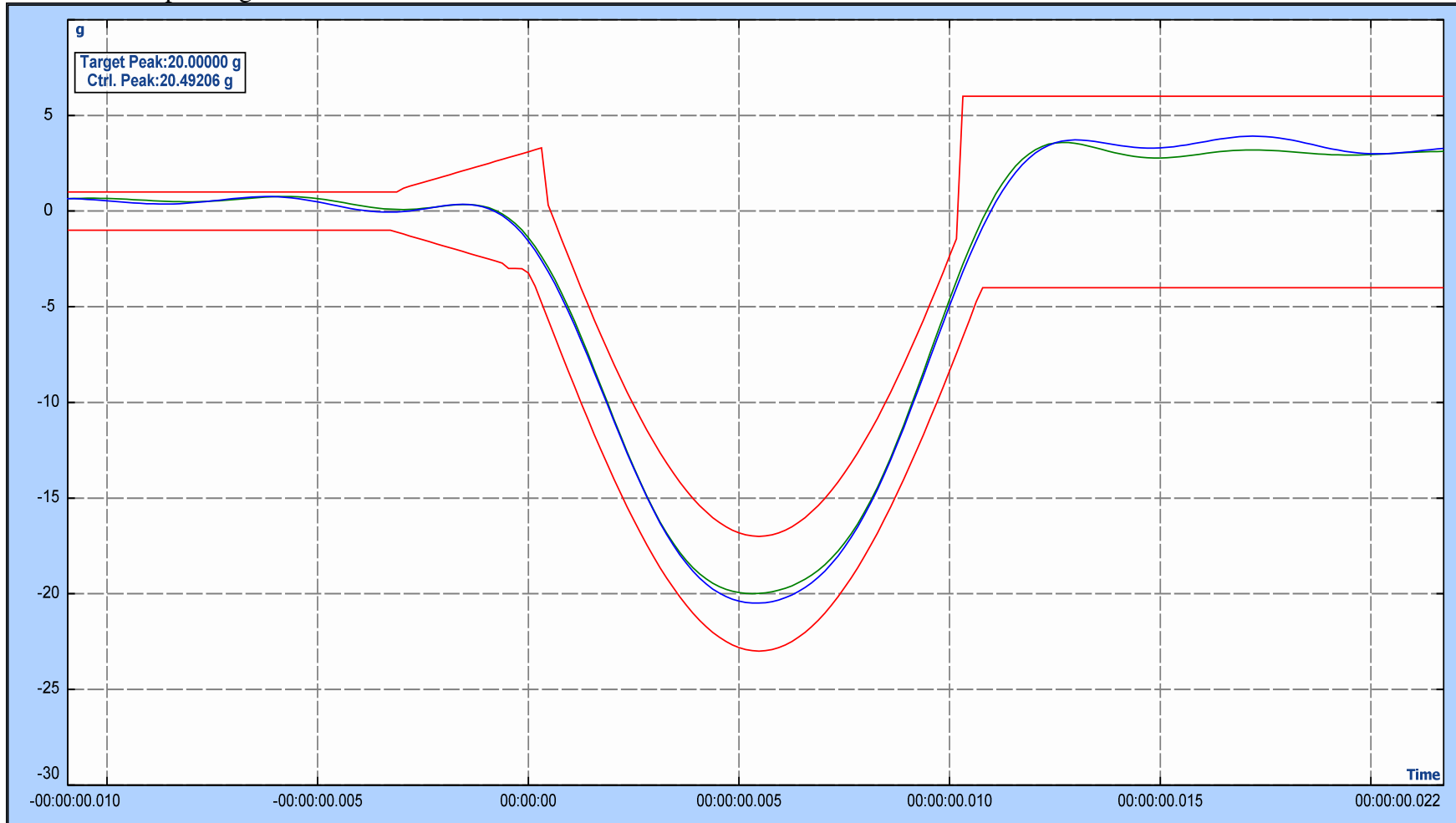


Level: 100.00 %
 Velocity Pk: 26.96 in/s
 Control RMS: 1.945 g
 Full Level Elapsed: 3.0

Drive Pk: 1.116V
 Control Pk: 20.20 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.54 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

-X axis Non-Operating

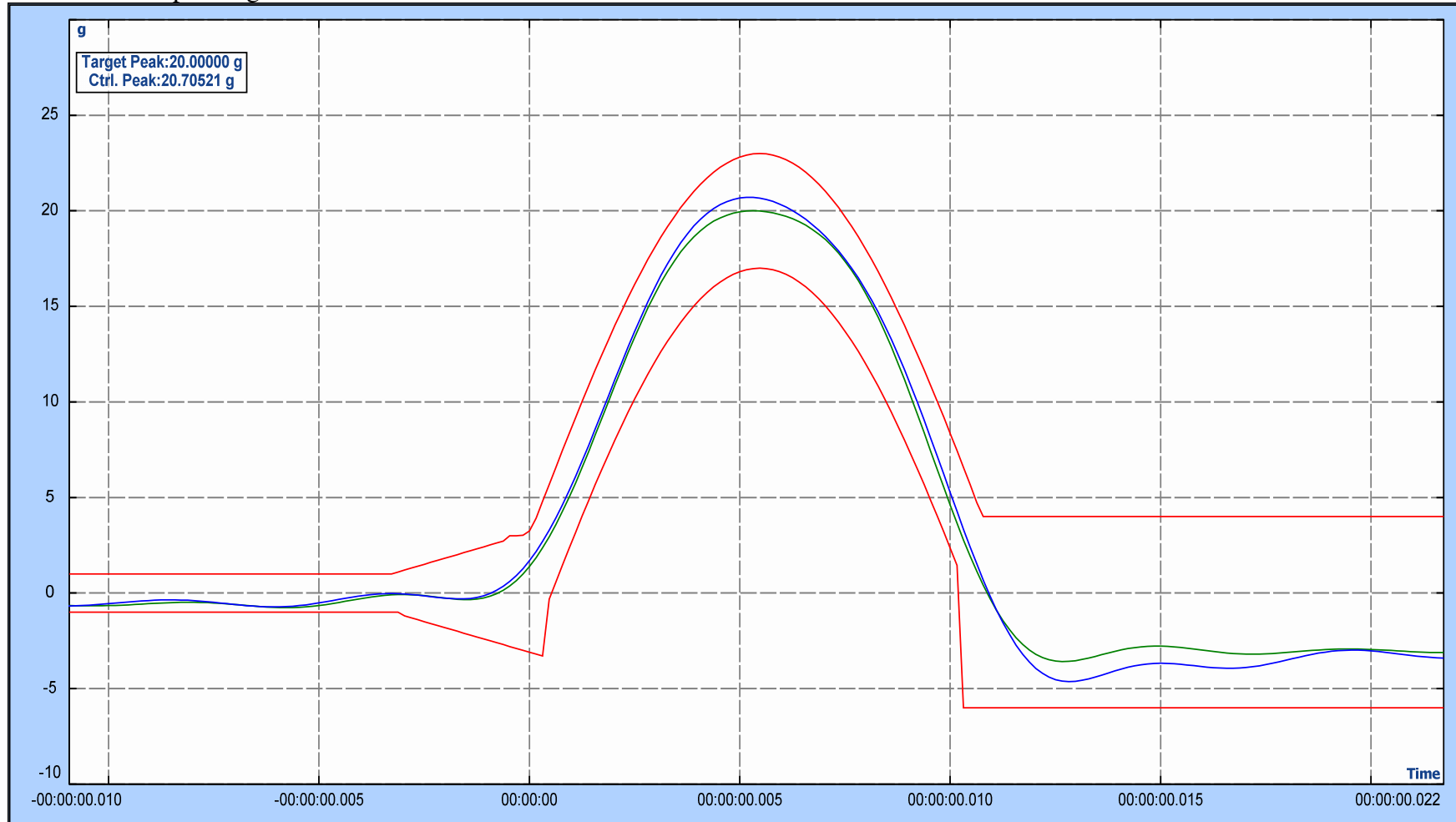


Level: -100.00 %
 Velocity Pk: 26.91 in/s
 Control RMS: 1.944 g
 Full Level Elapsed: 3.0

Drive Pk: -1.1e+0V
 Control Pk: -20.49 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.58 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

+Y axis Non-Operating

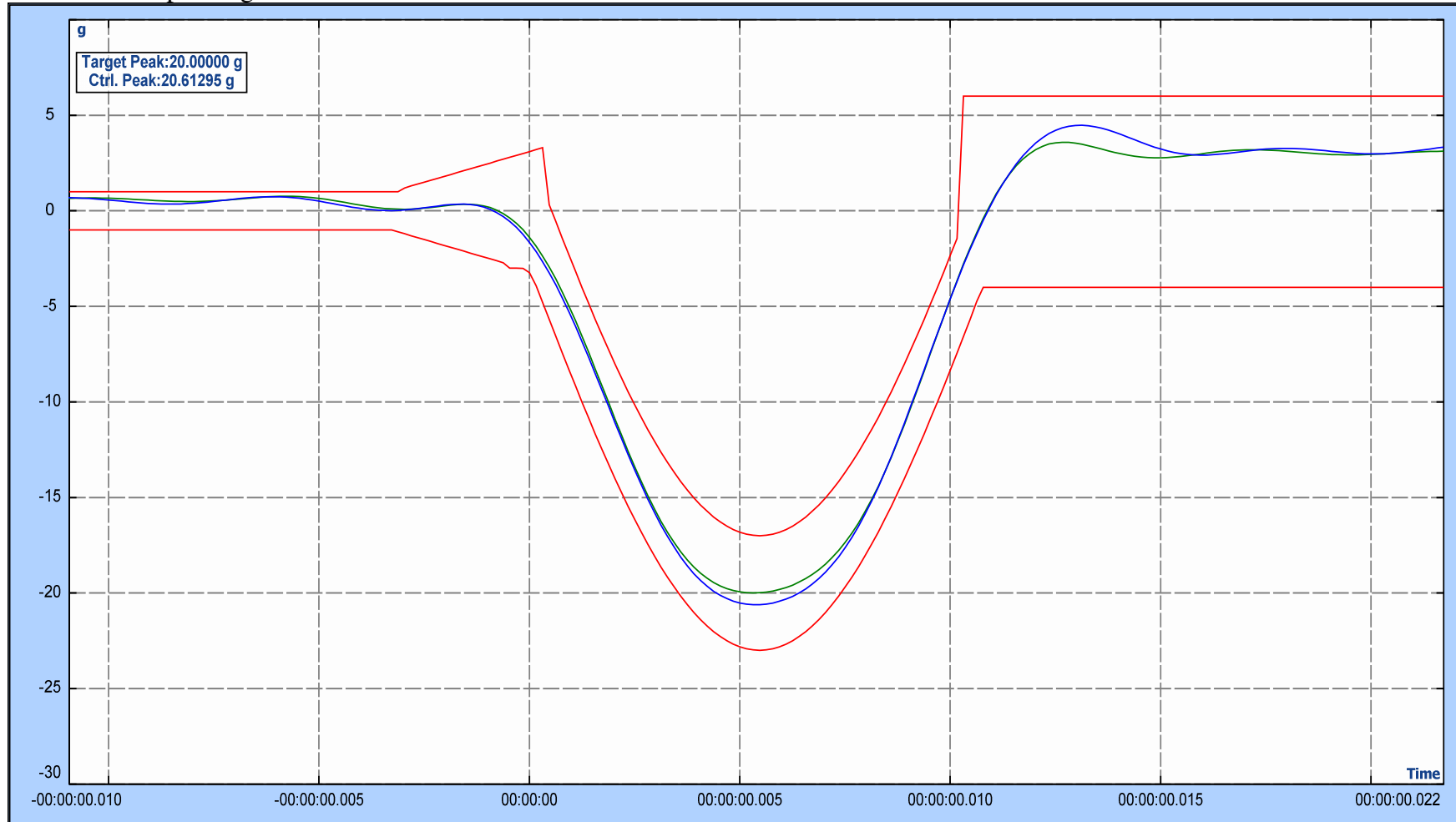


Level: 100.00 %
 Velocity Pk: 27.16 in/s
 Control RMS: 1.963 g
 Full Level Elapsed: 3.0

Drive Pk: 1.146V
 Control Pk: 20.71 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.53 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

-Y axis Non-Operating

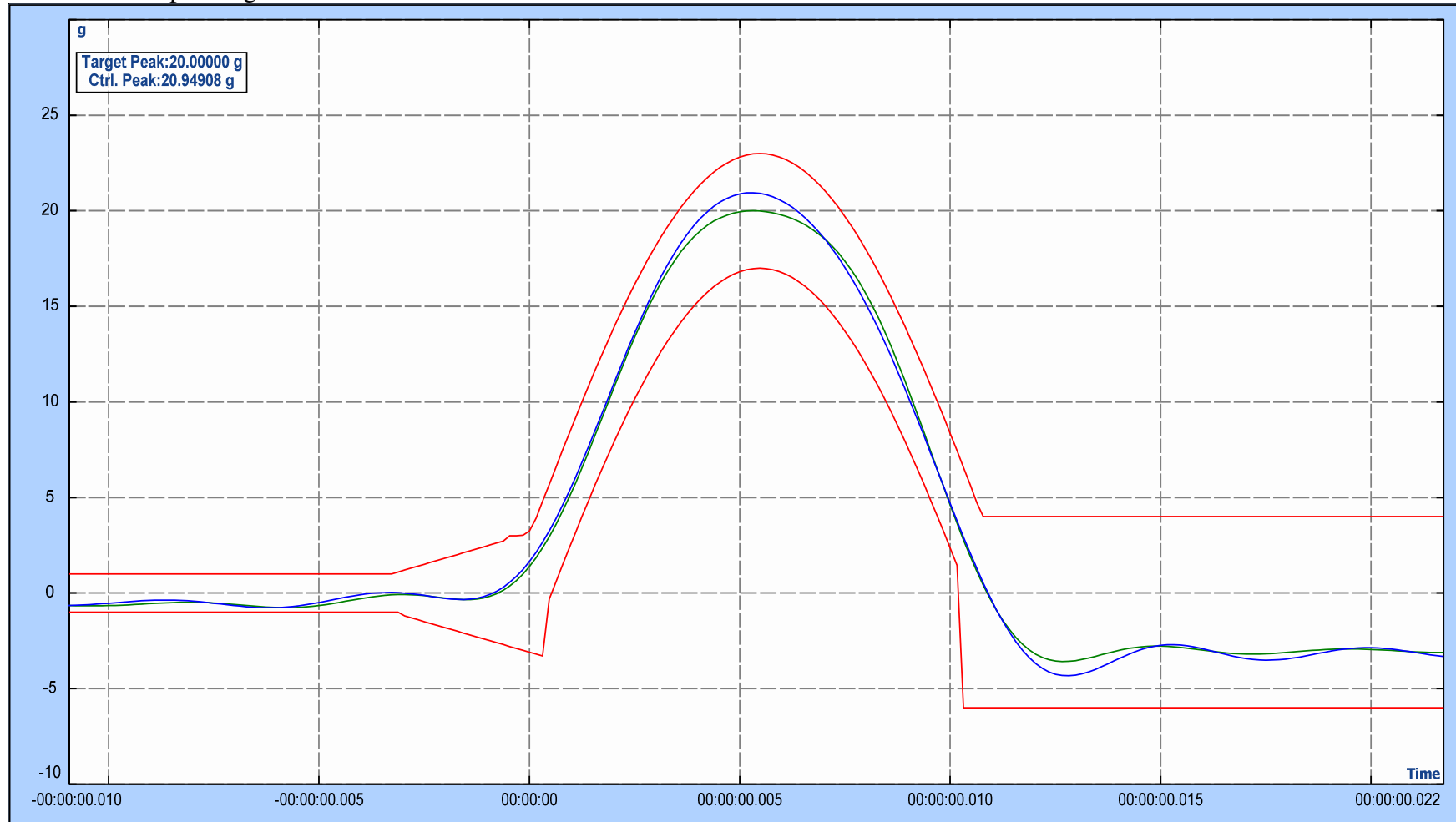


Level: -100.00 %
 Velocity Pk: 26.96 in/s
 Control RMS: 1.950 g
 Full Level Elapsed: 3.0

Drive Pk: -1.2e+0V
 Control Pk: -20.61 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.62 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

+Z axis Non-Operating

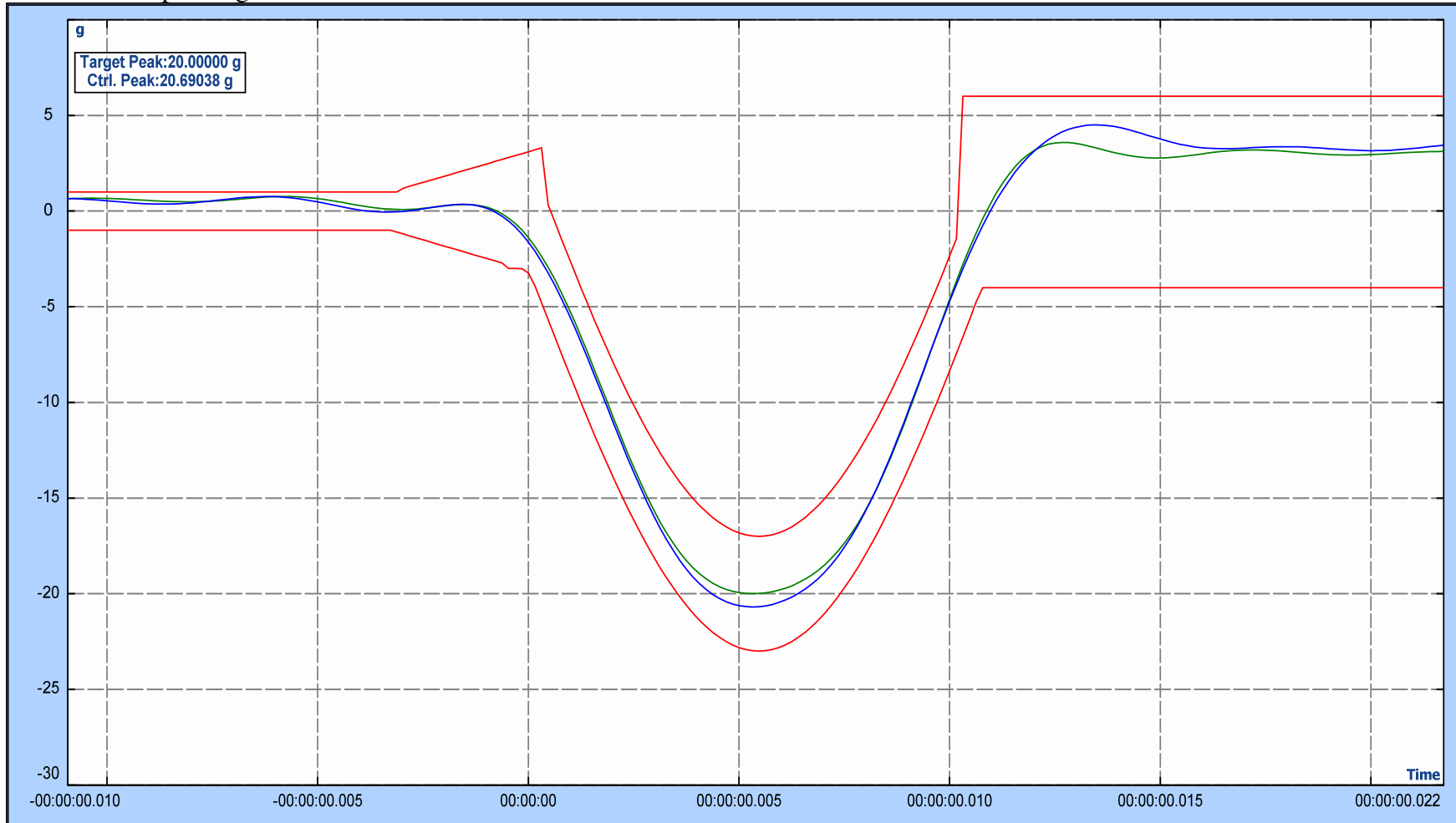


Level: 100.00 %
 Velocity Pk: 26.83 in/s
 Control RMS: 1.946 g
 Full Level Elapsed: 3.0

Drive Pk: 1.142V
 Control Pk: 20.95 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.56 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

-Z axis Non-Operating



Level: -100.00 %
 Velocity Pk: 27.03 in/s
 Control RMS: 1.955 g
 Full Level Elapsed: 3.0

Drive Pk: -1.2e+0V
 Control Pk: -20.69 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 17.57 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 22.0
 Measured Pulse width: 0.00000(ms)

-END-