

KING DESIGN INDUSTRIAL CO., LTD.**VIBRATION TEST LABORATORY**4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,
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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**

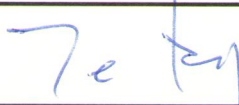


REPORT NO : ST-160506-2

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-7820 (With 2.5" SATA HDD)
DATE OF RECEIVED : 2016/05/06
DATE OF TESTED : 2016/05/06

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 : 	
Approval Signatory : 	Laboratory Head : 

金頓科技

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
Calibration Date : 2015/11/25

TEST ENVIRONMENT :

Temperature : 26°C (25±10°C)
Relative Humidity : 66%RH (50±20% RH)

SPECIMEN :

Model : FWS-7820 (With 2.5" SATA HDD)
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


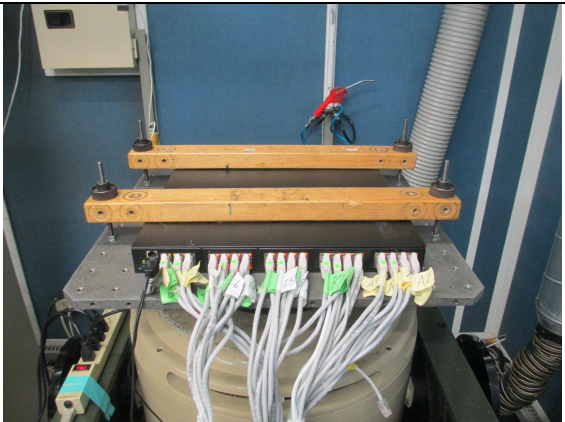
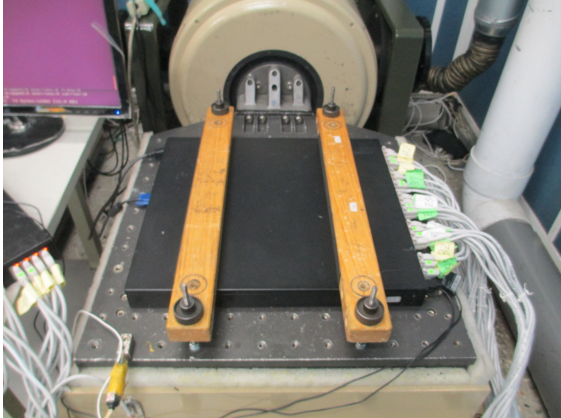
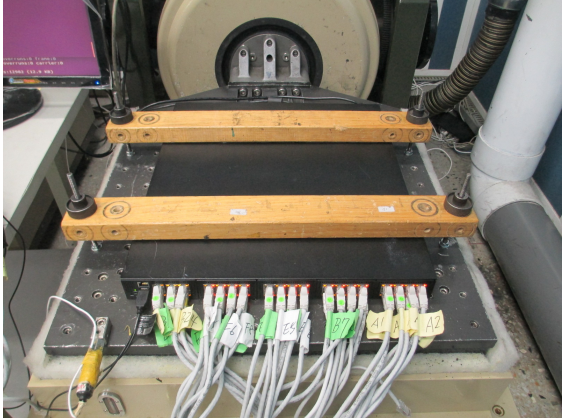
Shock test (Non-Operating)

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


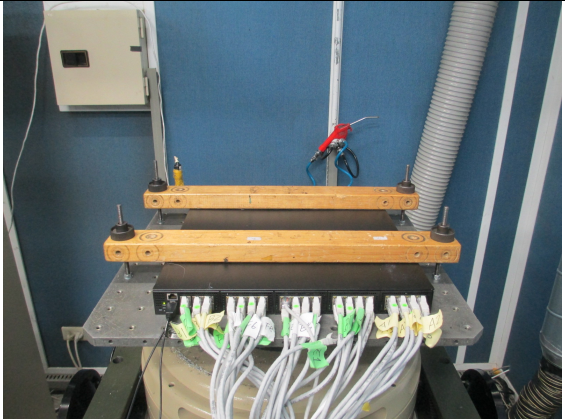

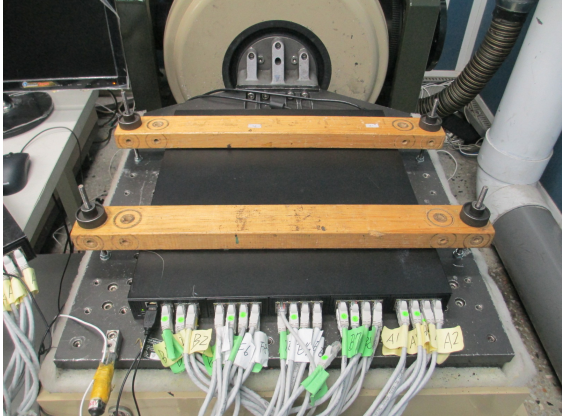
TEST RESULT :

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
	

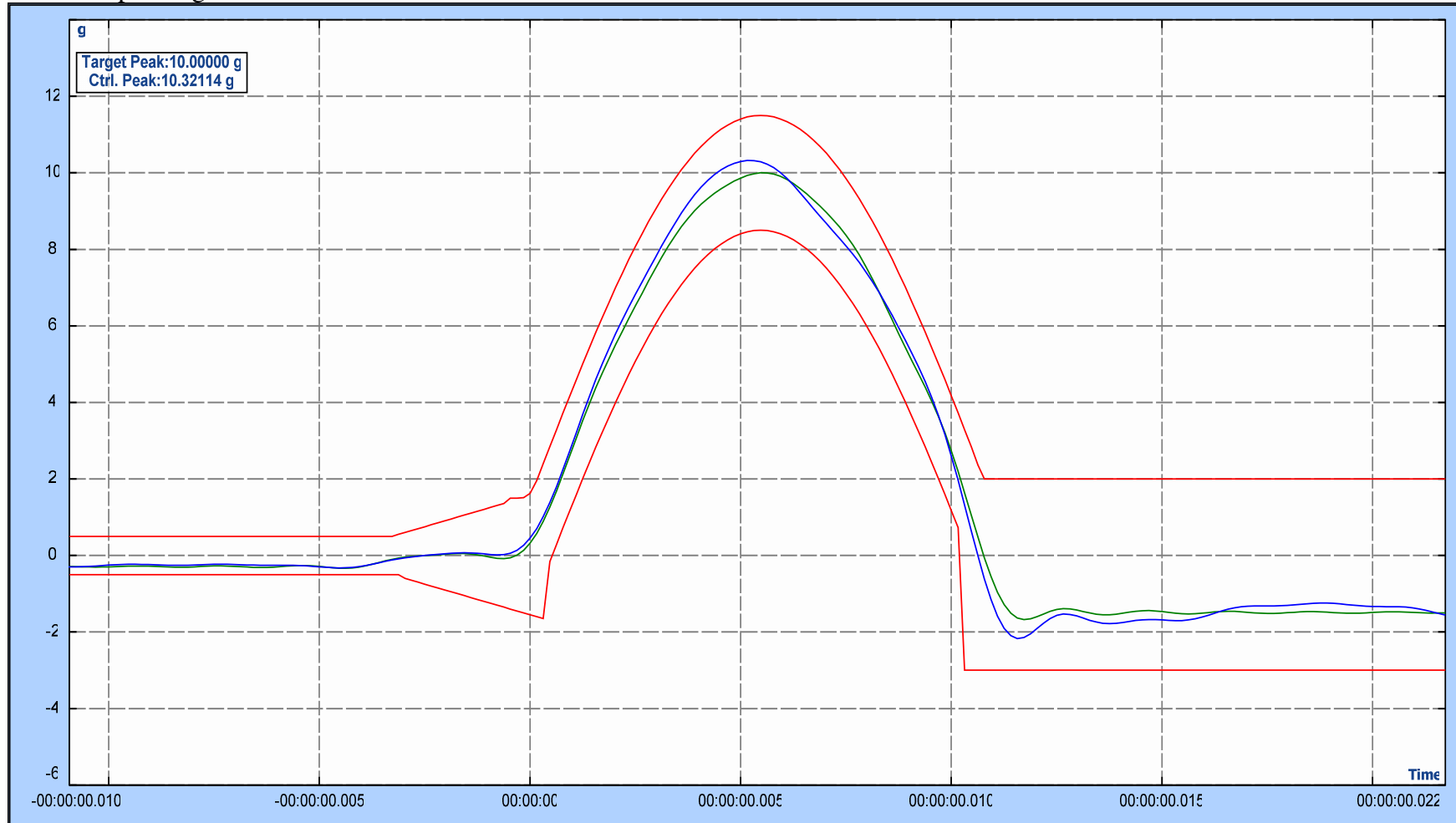
TESTING / INSPECTION REPORT

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

TESTING / INSPECTION REPORT



+X axis Operating

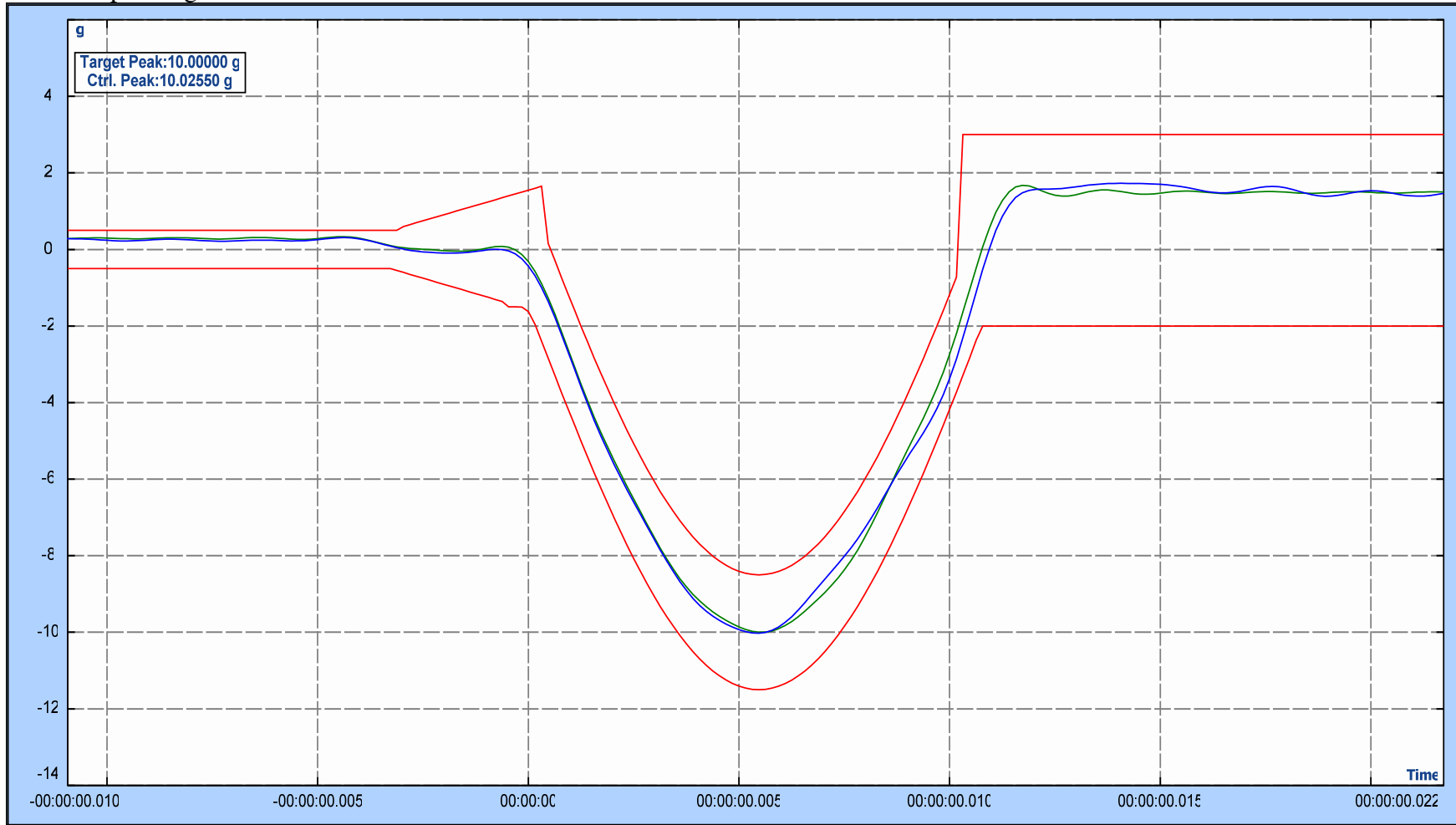


Level: 100.00 %
Velocity Pk: 14.47 in/s
Control RMS: 1.043 g
Full Level Elapsed: 3.0

Drive Pk: 0.724V
Control Pk: 10.32 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 9.456 mm Pk-Pk
Target Pk: 10.00 g
Total Elapsed: 17.0
Measured Pulse width: 0.00000(ms)

-X axis Operating

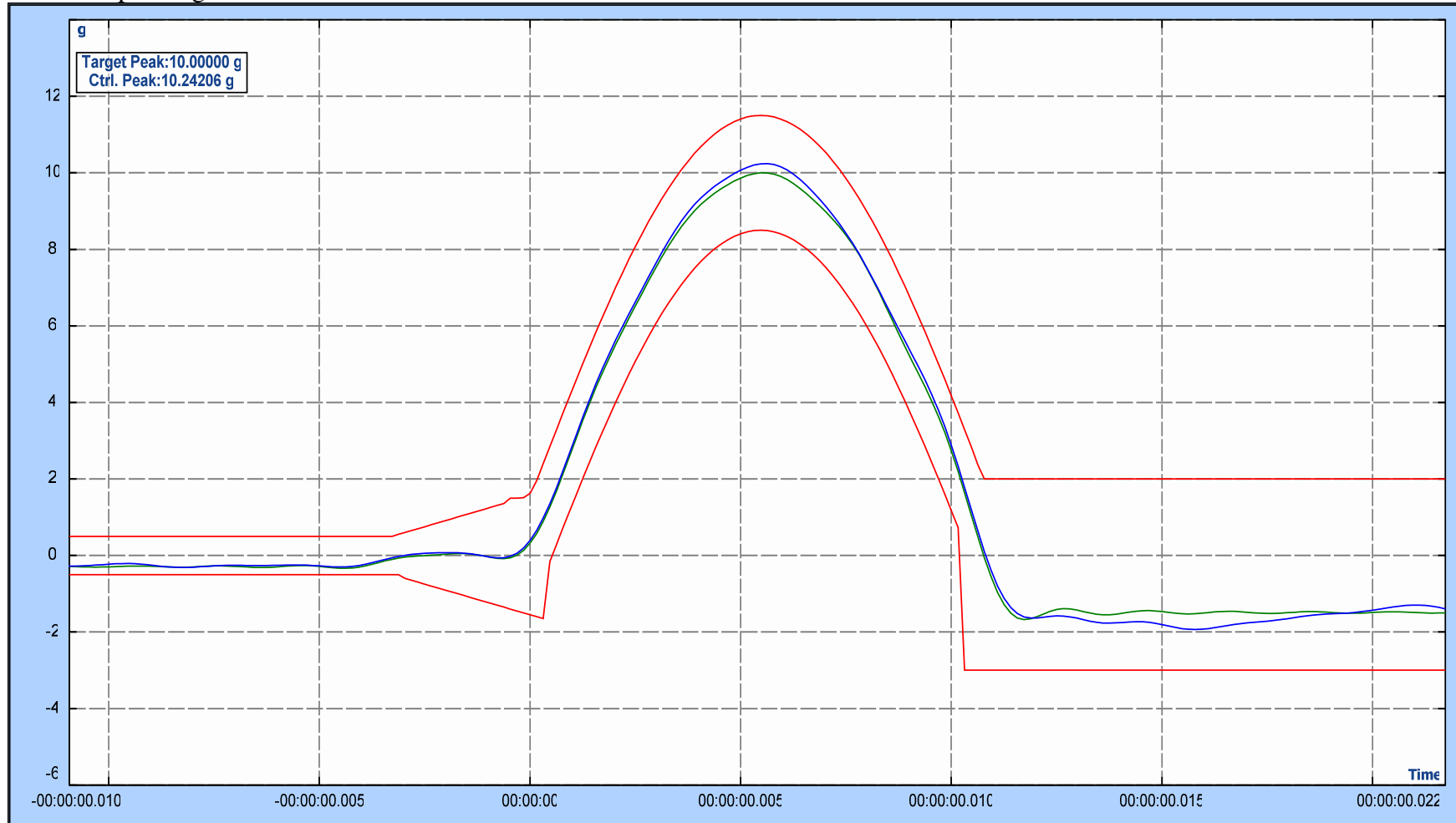


Level: -100.00 %
 Velocity Pk: 14.45 in/s
 Control RMS: 1.029 g
 Full Level Elapsed: 3.0

Drive Pk: -7.4e-1V
 Control Pk: -10.03 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.445 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

+Y axis Operating

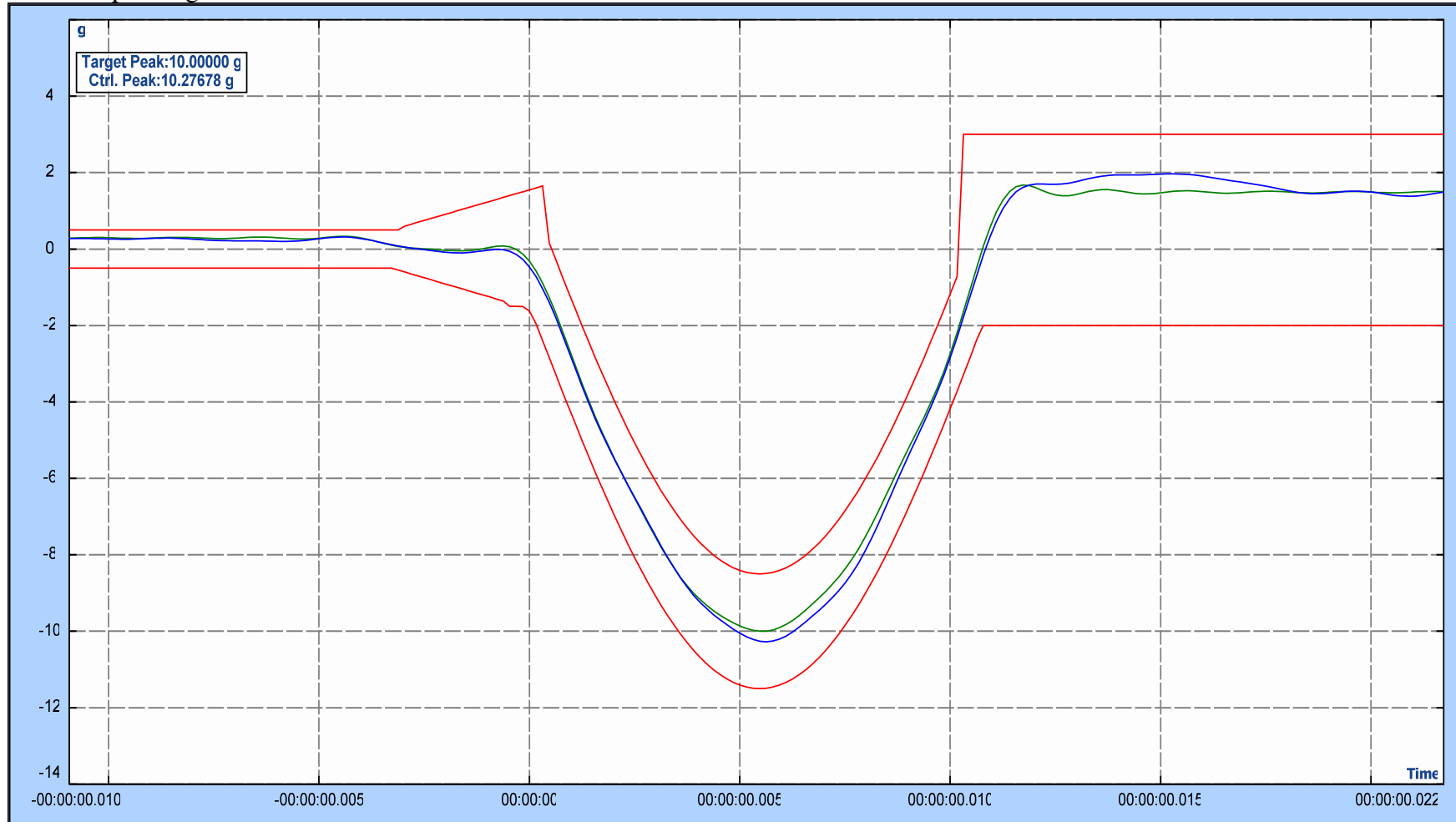


Level: 100.00 %
 Velocity Pk: 14.54 in/s
 Control RMS: 1.044 g
 Full Level Elapsed: 3.0

Drive Pk: 0.727V
 Control Pk: 10.24 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.463 mm Pk-Pk
 Target Pk: 10.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-Y axis Operating

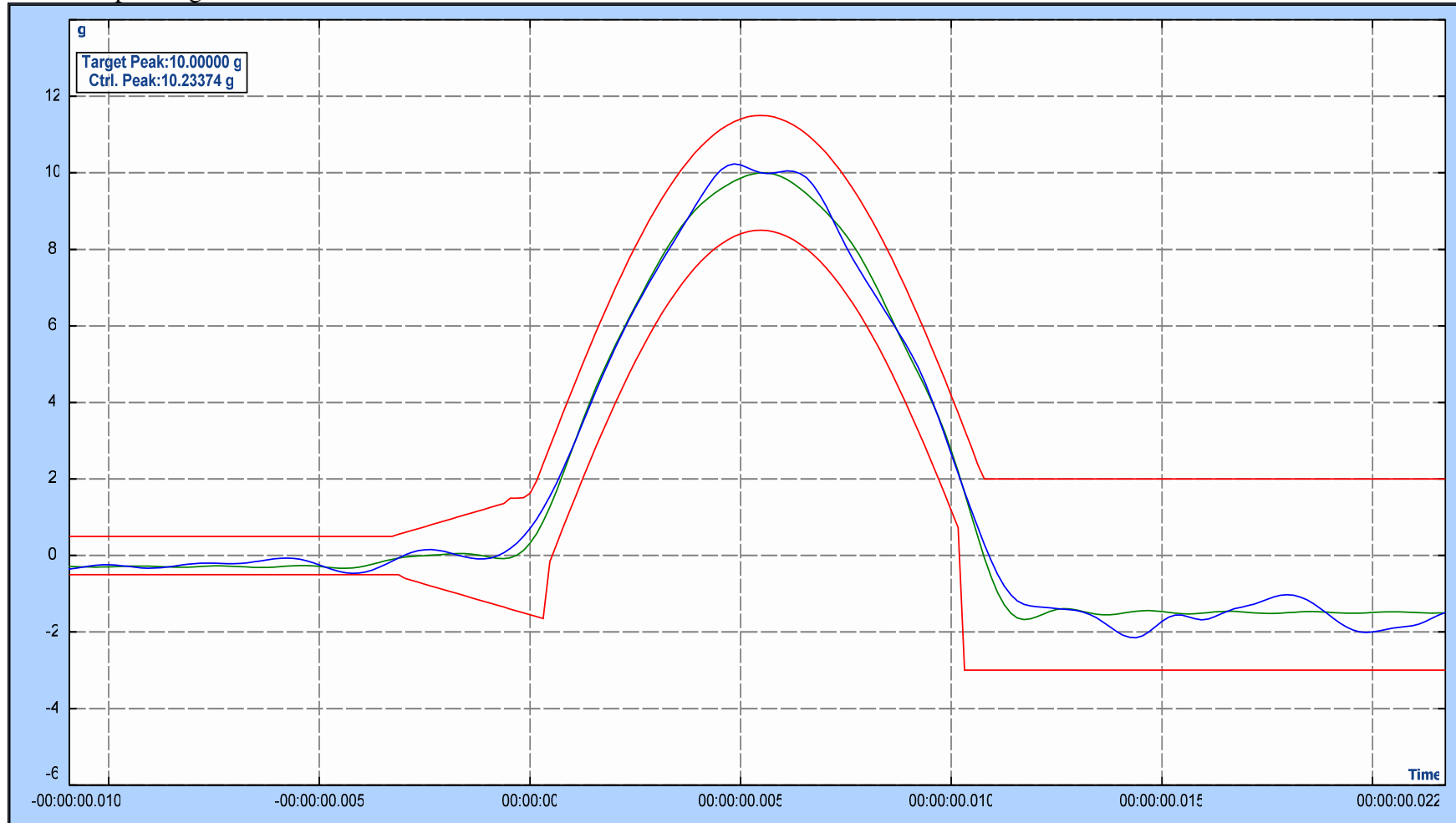


Level: -100.00 %
 Velocity Pk: 14.64 in/s
 Control RMS: 1.049 g
 Full Level Elapsed: 3.0

Drive Pk: -7.7e-1V
 Control Pk: -10.28 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.453 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

+Z axis Operating

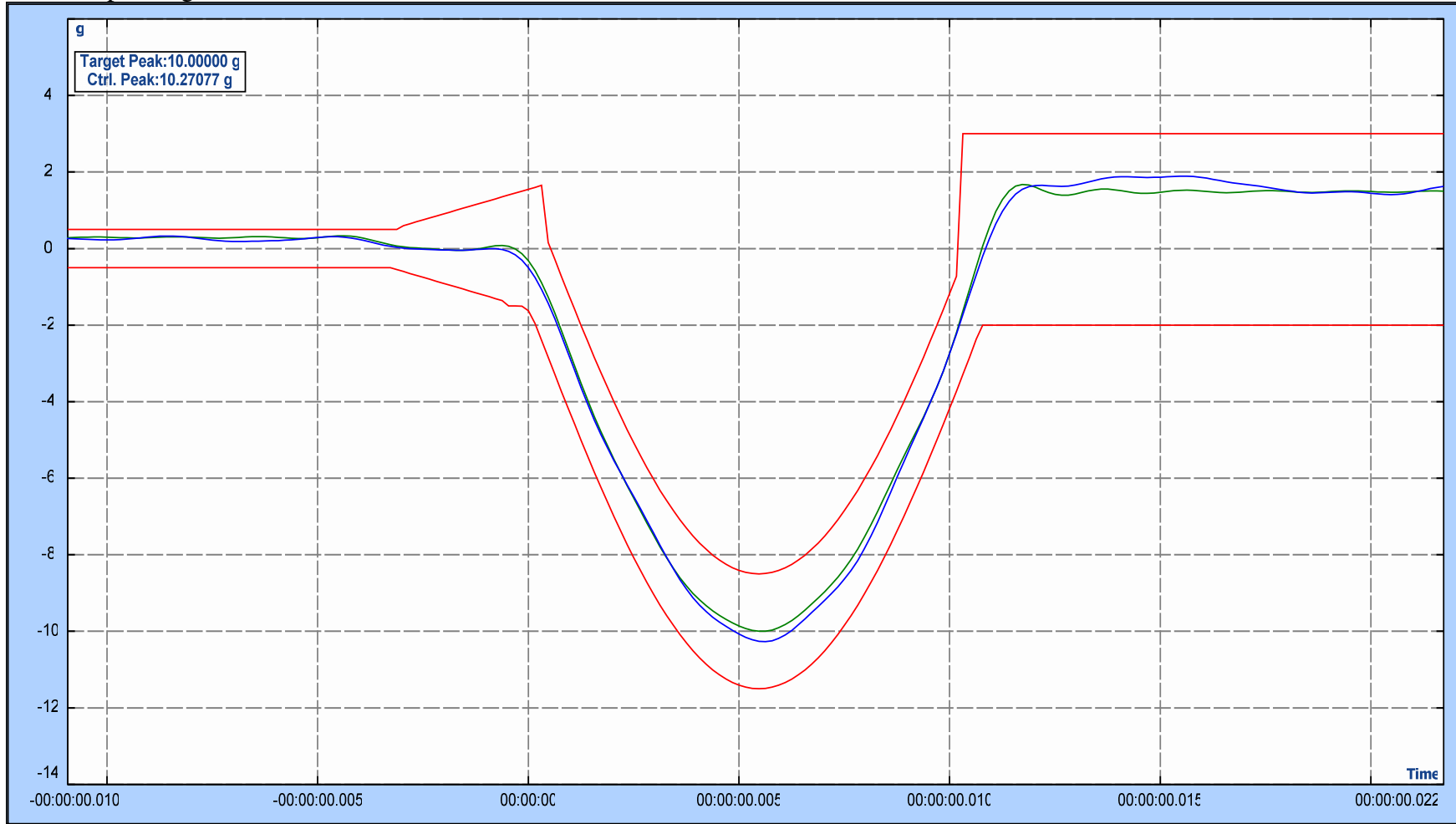


Level: 100.00 %
 Velocity Pk: 14.33 in/s
 Control RMS: 1.045 g
 Full Level Elapsed: 3.0

Drive Pk: 0.650V
 Control Pk: 10.23 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.523 mm Pk-Pk
 Target Pk: 10.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-Z axis Operating

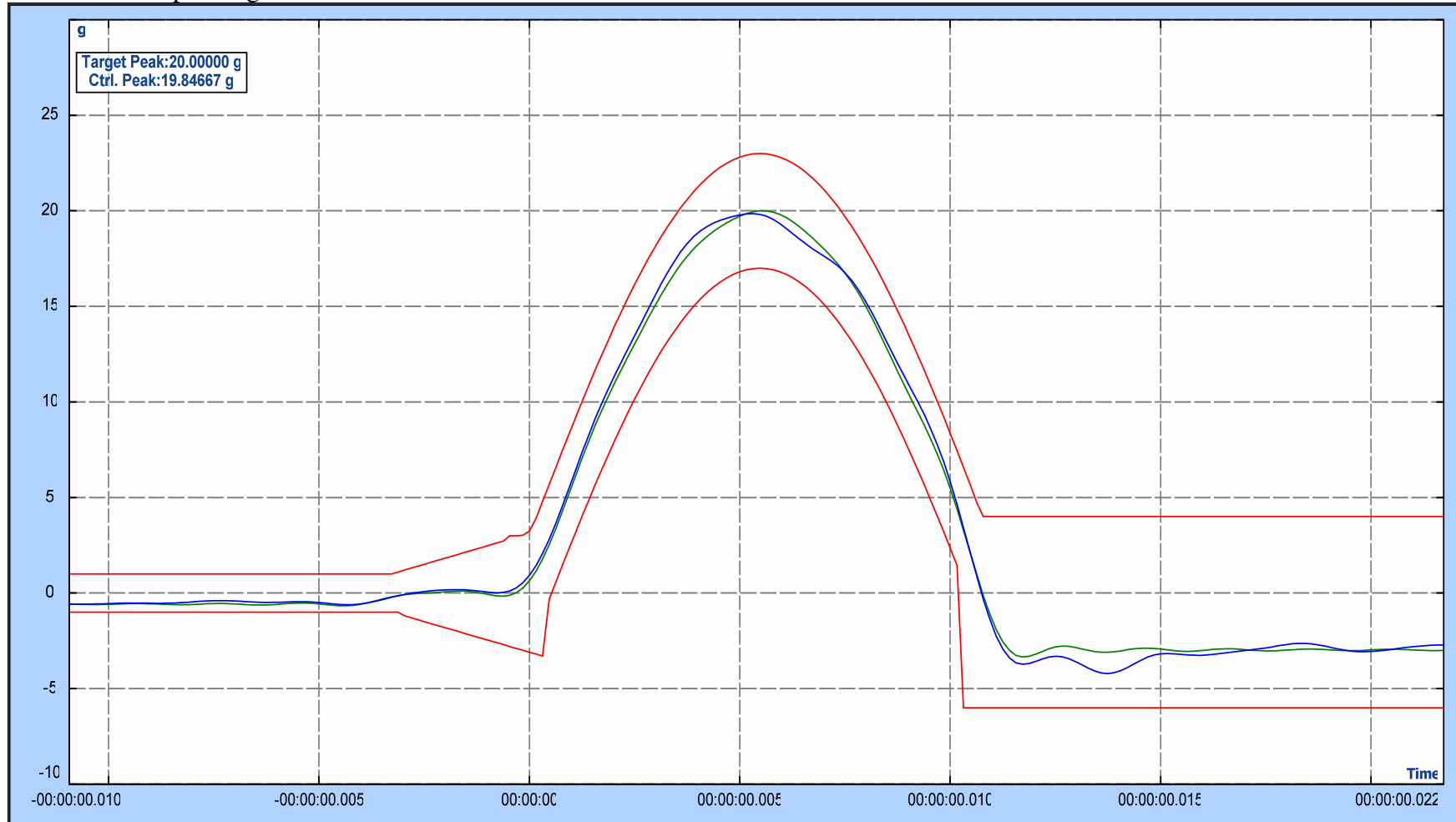


Level: -100.00 %
 Velocity Pk: 14.19 in/s
 Control RMS: 1.229 g
 Full Level Elapsed: 3.0

Drive Pk: -6.1e-1V
 Control Pk: -10.53 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 9.458 mm Pk-Pk
 Target Pk: -10.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

+X axis Non-Operating

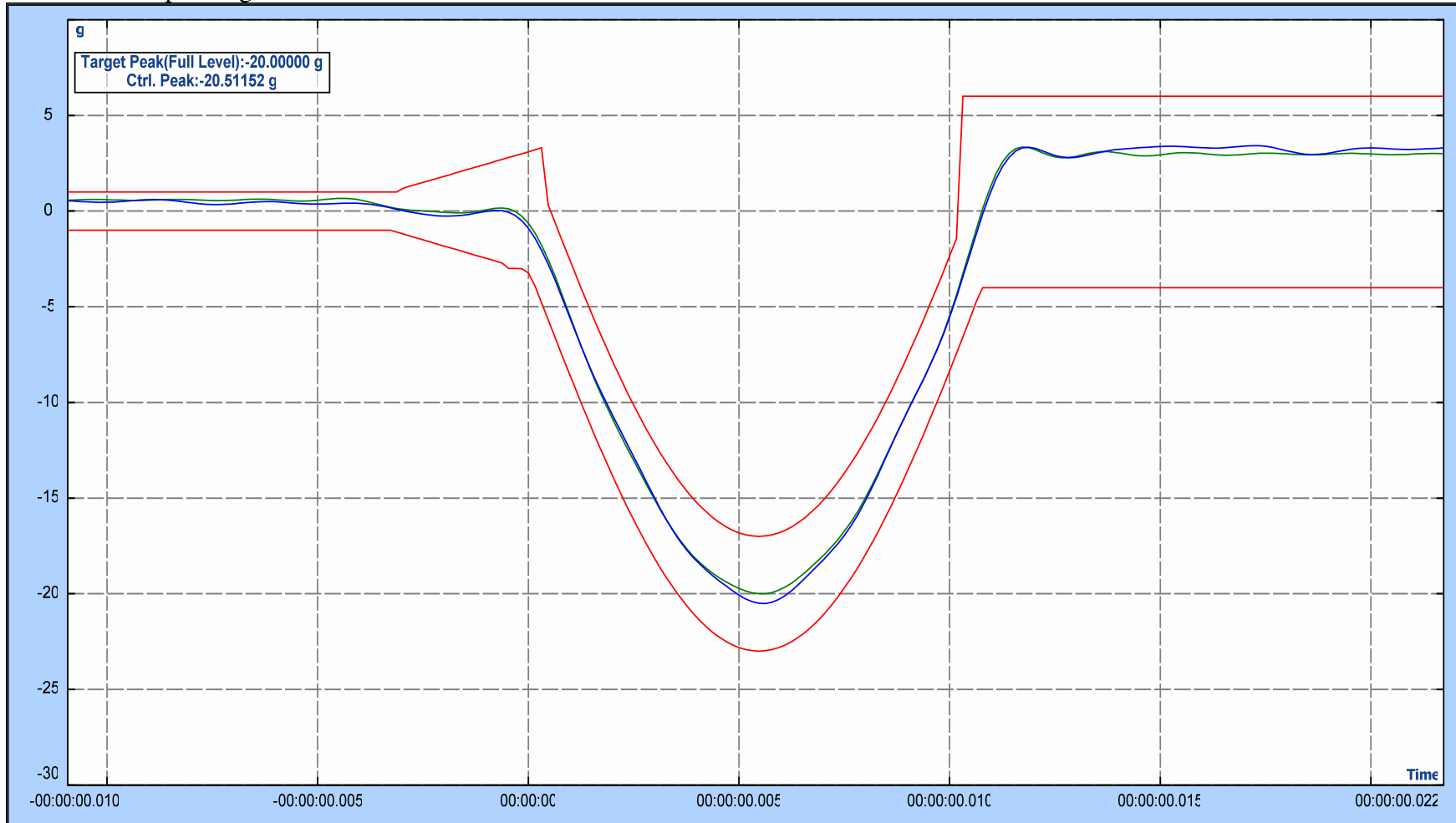


Level: 100.00 %
 Velocity Pk: 28.89 in/s
 Control RMS: 2.071 g
 Full Level Elapsed: 3.0

Drive Pk: 1.397V
 Control Pk: 19.85 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.81 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-X axis Non-Operating

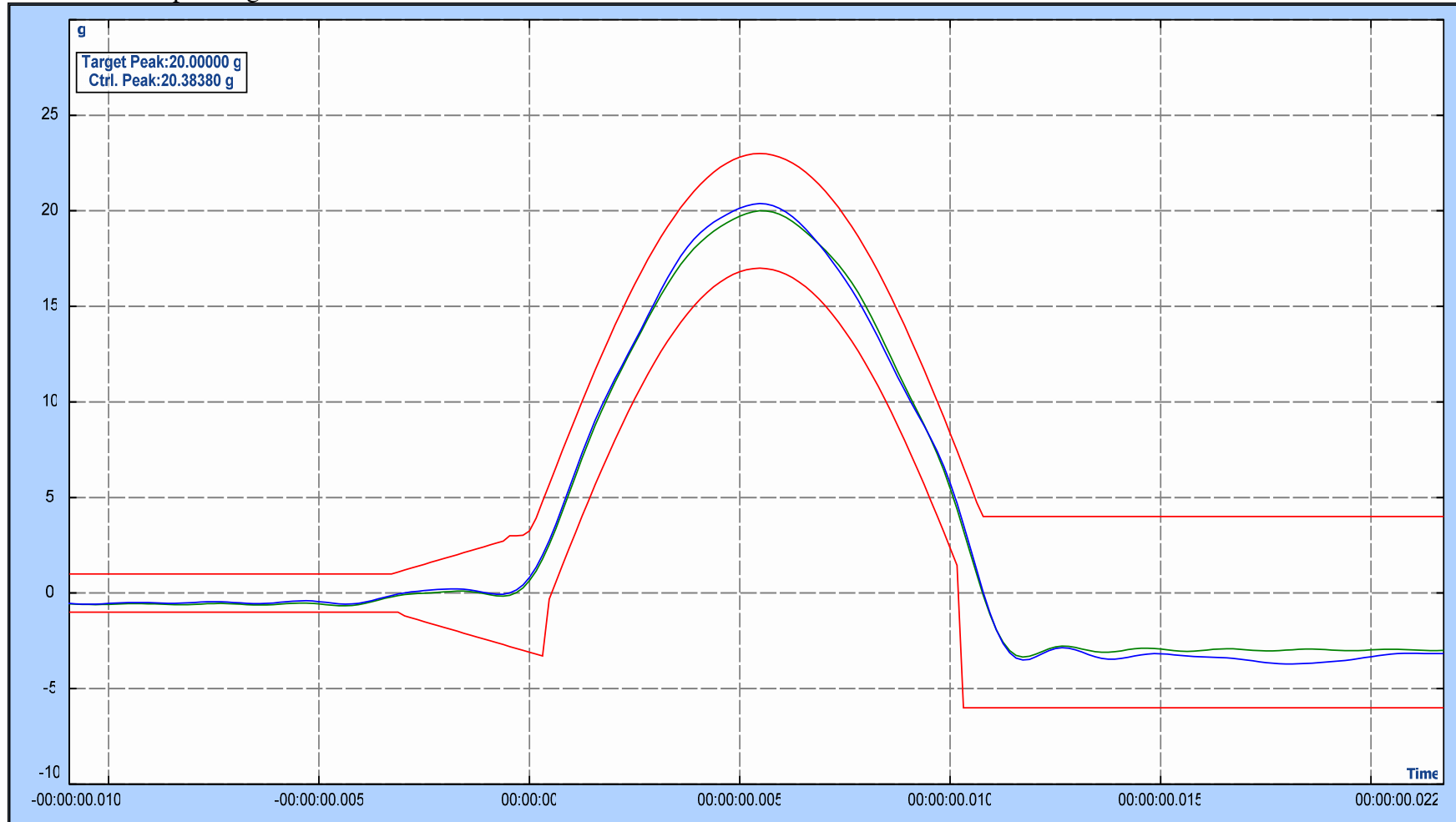


Level: -100.00 %
 Velocity Pk: 28.98 in/s
 Control RMS: 2.075 g
 Full Level Elapsed: 3.0

Drive Pk: -1.0e+0V
 Control Pk: -20.51 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.81 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

+Y axis Non-Operating

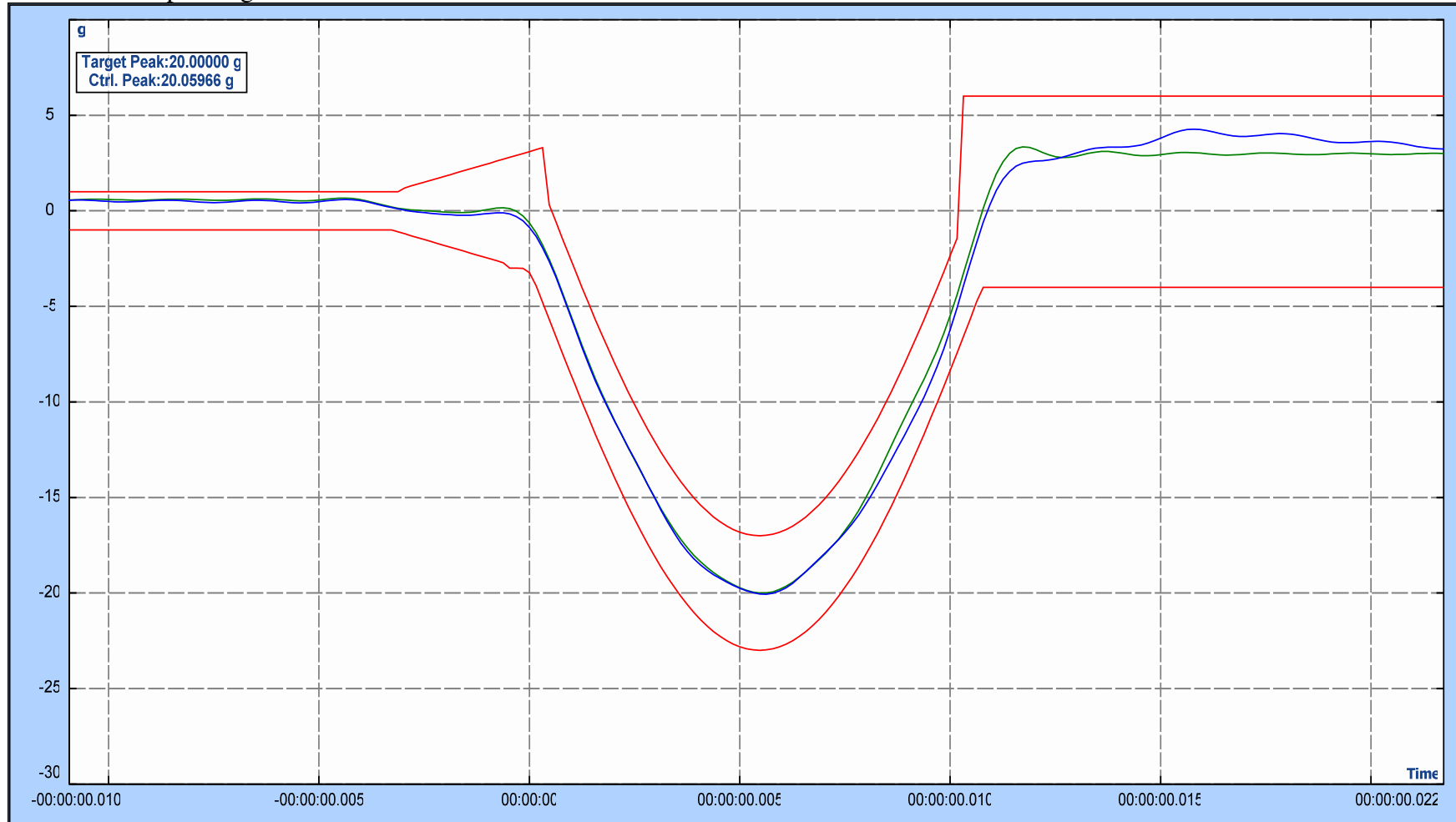


Level: 100.00 %
 Velocity Pk: 28.83 in/s
 Control RMS: 2.071 g
 Full Level Elapsed: 3.0

Drive Pk: 1.350V
 Control Pk: 20.38 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.70 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-Y axis Non-Operating

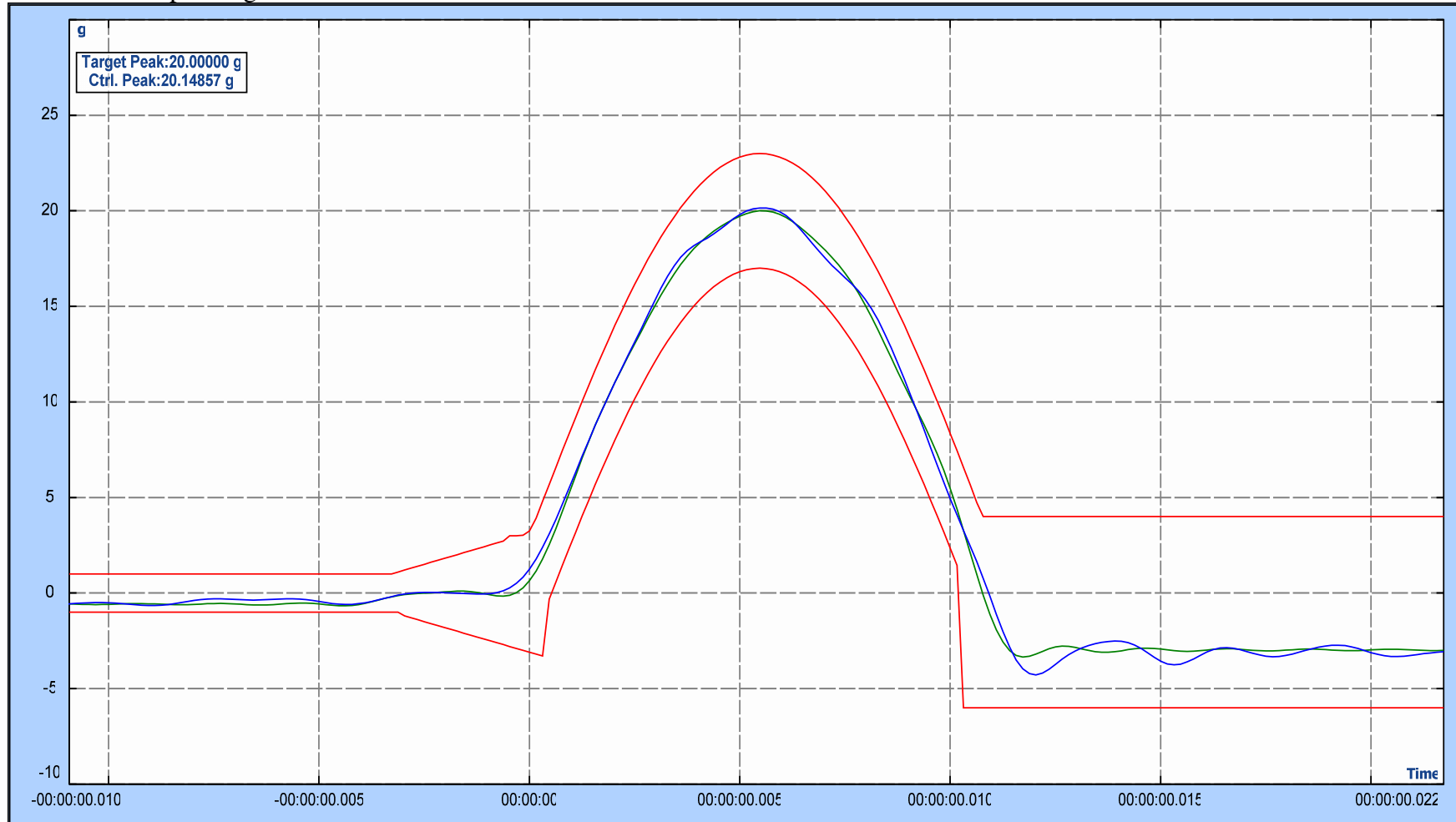


Level: -100.00 %
 Velocity Pk: 29.06 in/s
 Control RMS: 2.077 g
 Full Level Elapsed: 3.0

Drive Pk: -1.4e+0V
 Control Pk: -20.06 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.70 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

+Z axis Non-Operating

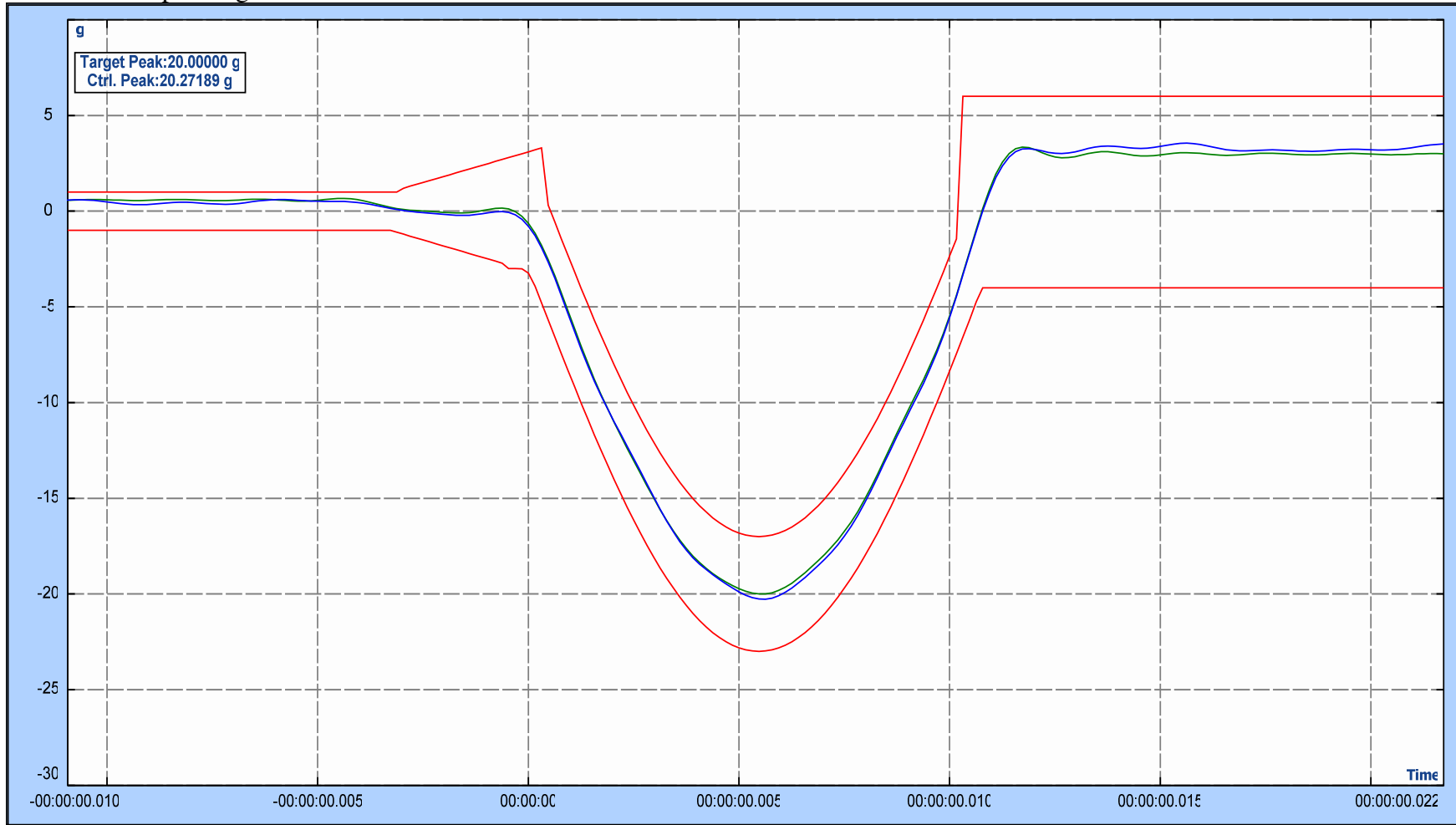


Level: 100.00 %
 Velocity Pk: 28.92 in/s
 Control RMS: 2.080 g
 Full Level Elapsed: 3.0

Drive Pk: 1.315V
 Control Pk: 20.15 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.86 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-Z axis Non-Operating



Level: -100.00 %
 Velocity Pk: 29.15 in/s
 Control RMS: 2.075 g
 Full Level Elapsed: 3.0

Drive Pk: -1.0e+0V
 Control Pk: -20.27 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.85 mm Pk-Pk
 Target Pk: -20.00 g
 Total Elapsed: 17.0
 Measured Pulse width: 0.00000(ms)

-END-