

**KING DESIGN INDUSTRIAL CO., LTD.**

**VIBRATION TEST LABORATORY**

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

http://www.kdi.tw  
http://www.vibration.com.tw  
E-mail:service@kdi.tw

**TESTING / INSPECTION REPORT**

REPORT NO : ST-160115-2

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 : BOXER-6638U (With 2.5" SATA HDD)  
DATE OF RECEIVED : 2016/01/15  
DATE OF TESTED : 2016/01/15

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

Test Engineer : <i>Te M</i>	
Approval Signatory : <i>2016.1.19 David Lee</i>	Laboratory Head : <i>Hsin Tai Chang</i>



## 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 : 2015/11/25

### TEST ENVIRONMENT :

Temperature : 24°C (25±10°C)  
 Relative Humidity : 67%RH (50±20% RH)

### SPECIMEN :

Model : BOXER-6638U (With 2.5" SATA HDD)  
 Quantity : 1 unit

### TEST SPECIFICATION :

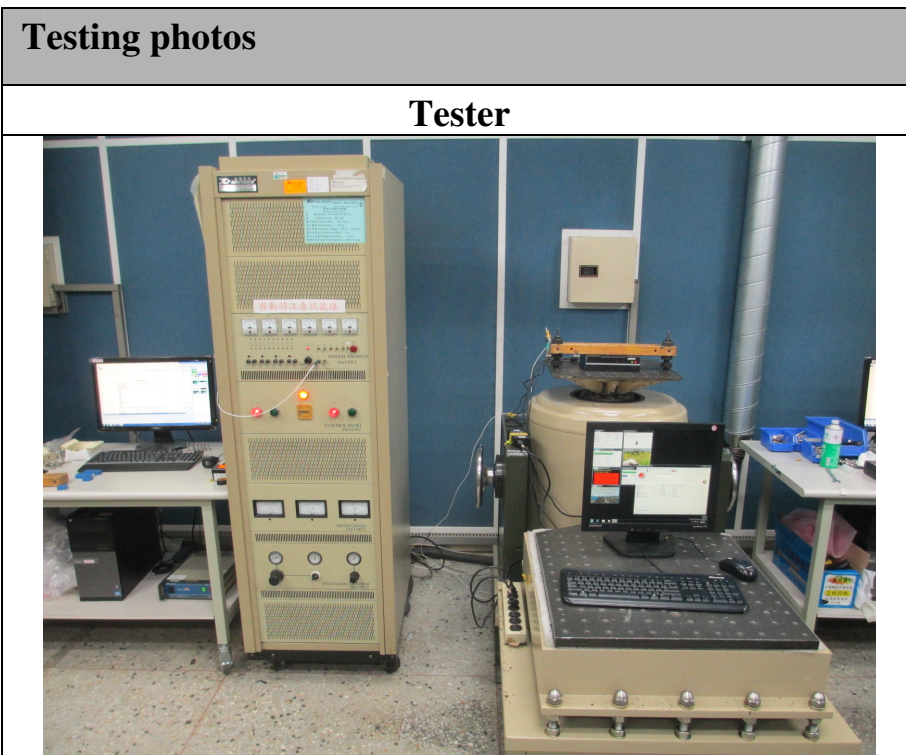
#### *As per applicant's requirement*

Shock test (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

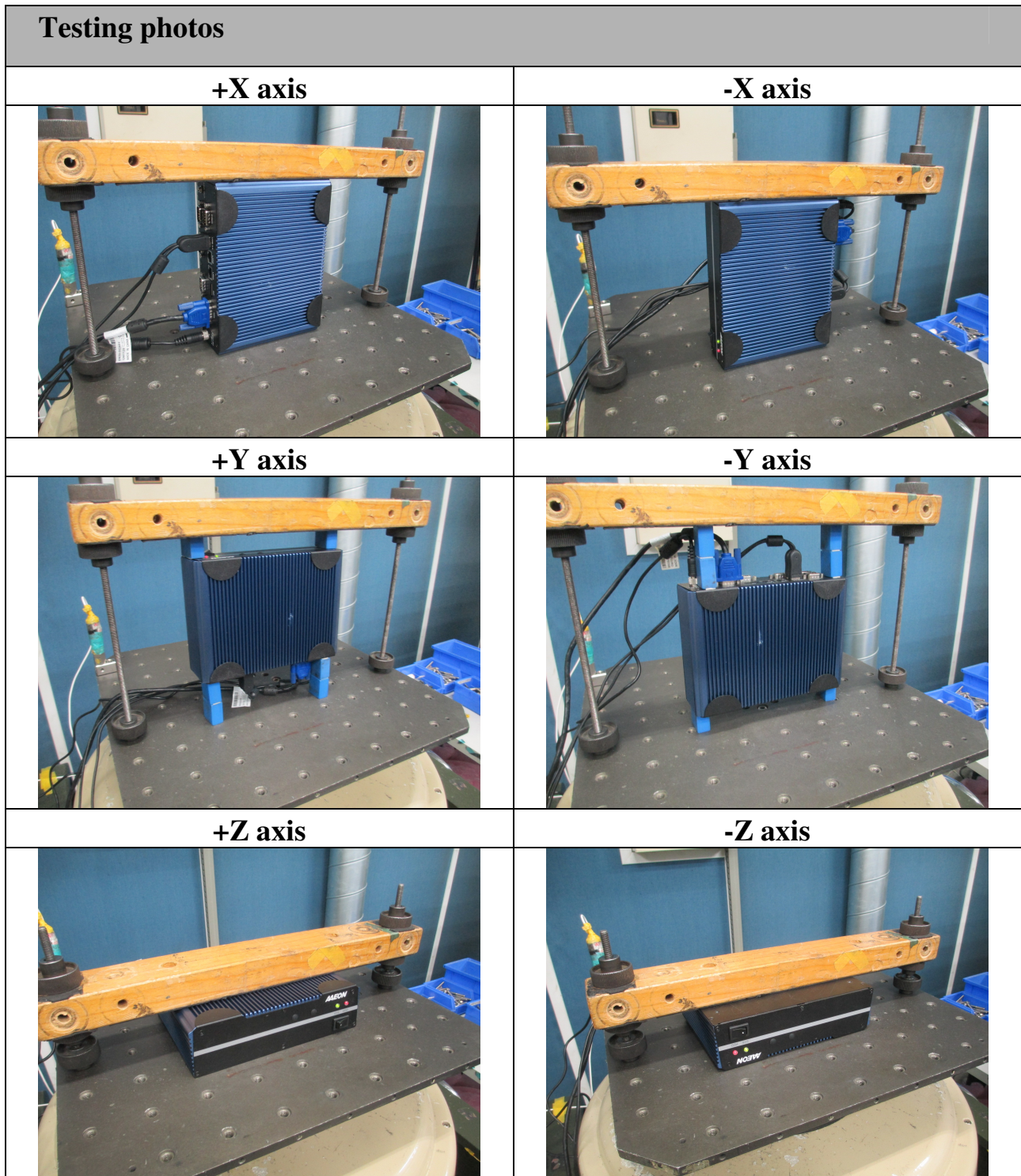
### TEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment <sup>(1)</sup>	√	---	---
Appearance check <sup>(2)</sup>	√	---	---
(1)—Booting function was normal after the test.			
(2)—No visible damages were found.			

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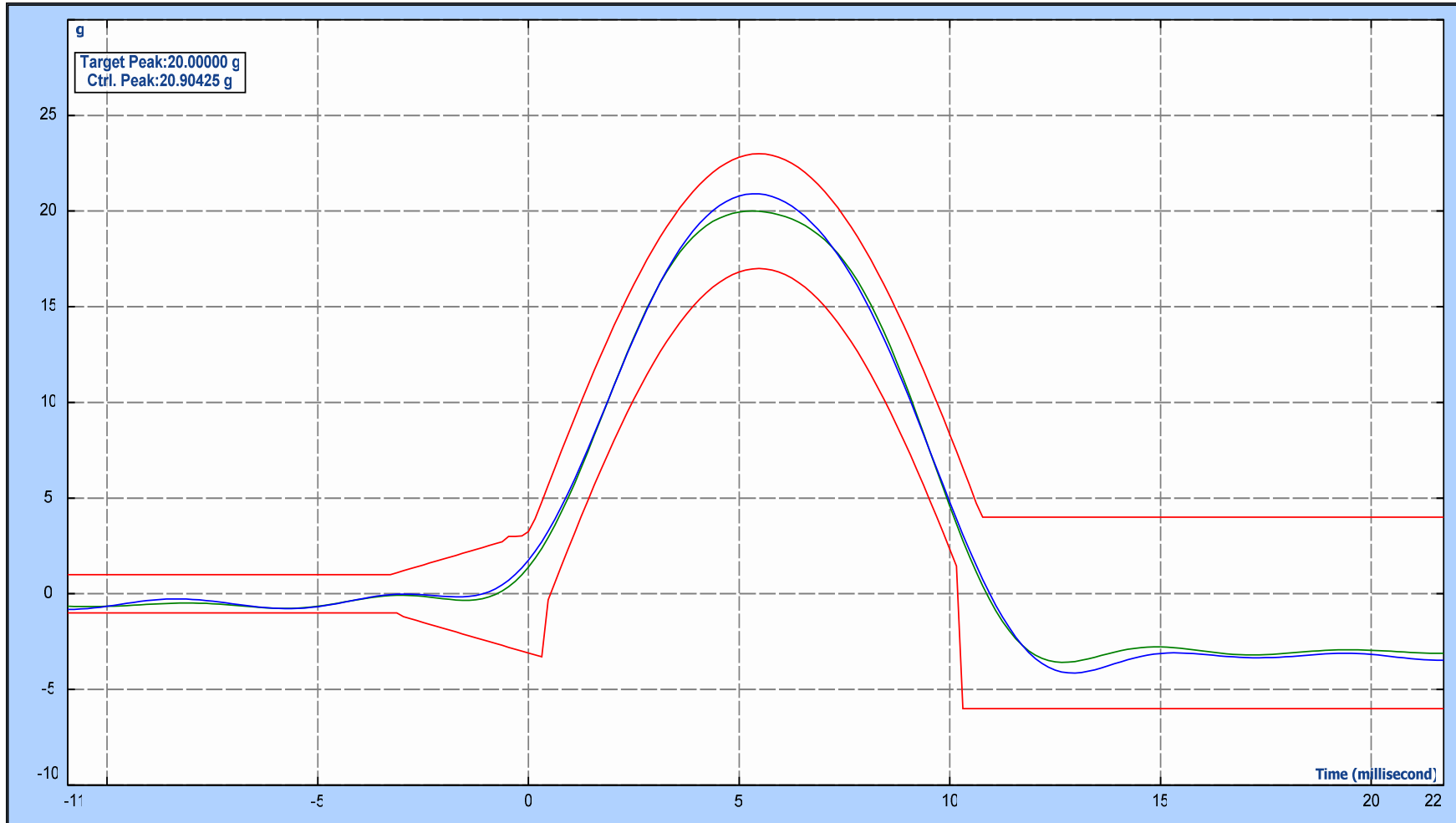
## TESTING / INSPECTION REPORT

### Testing photos

#### After test



+X axis

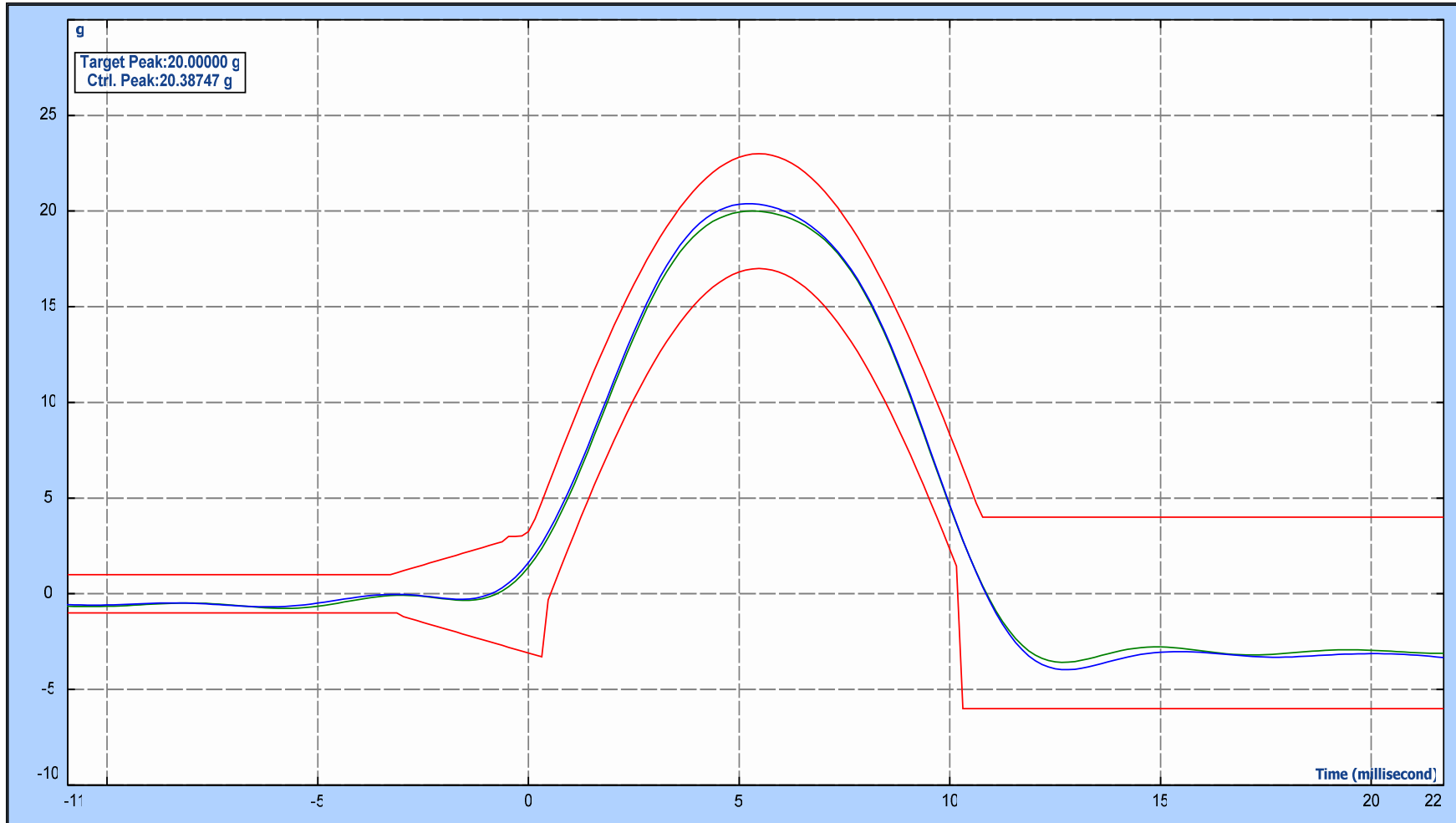


Level: 100.00 %  
 Velocity Pk: 672.4 mm/s  
 Control RMS: 1.940 g  
 Full Level Elapsed: 3.0

Drive Pk: 1.697V  
 Control Pk: 20.90 g  
 Remaining: 0.0  
 Pulse width: 11.00 ms

Est. Disp. : 17.51 mm Pk-Pk  
 Target Pk: 20.00 g  
 Total Elapsed: 17.0  
 Measured Pulse width: 12.02841(ms)

-X axis

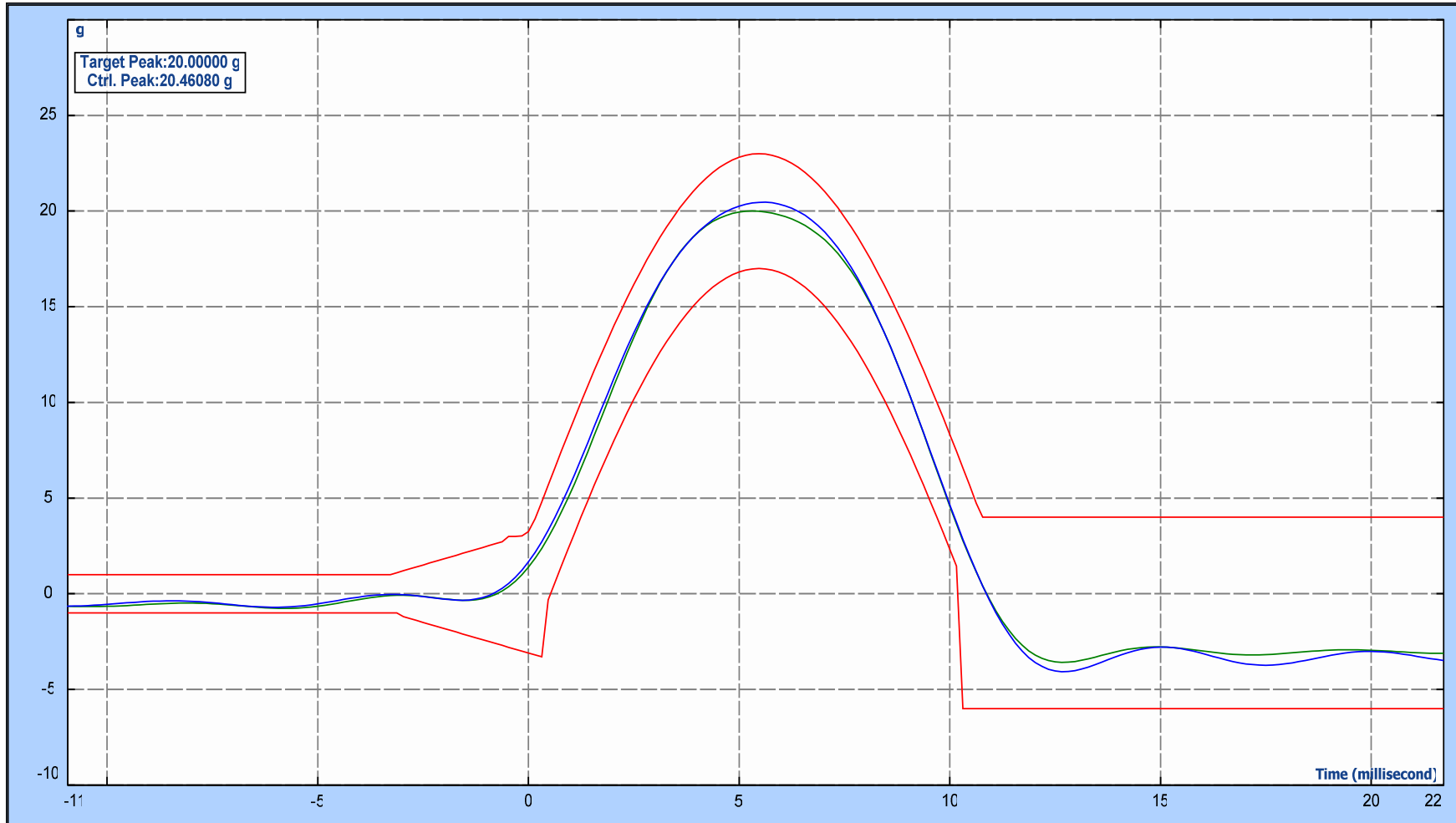


Level: 100.00 %  
 Velocity Pk: 671.2 mm/s  
 Control RMS: 1.938 g  
 Full Level Elapsed: 3.0

Drive Pk: 1.697V  
 Control Pk: 20.39 g  
 Remaining: 0.0  
 Pulse width: 11.00 ms

Est. Disp. : 17.48 mm Pk-Pk  
 Target Pk: 20.00 g  
 Total Elapsed: 17.0  
 Measured Pulse width: 11.75029(ms)

+Y axis



Level: 100.00 %

Velocity Pk: 673.9 mm/s

Control RMS: 1.938 g

Full Level Elapsed: 3.0

Drive Pk: 1.694V

Control Pk: 20.46 g

Remaining: 0.0

Pulse width: 11.00 ms

Est. Disp. : 17.46 mm Pk-Pk

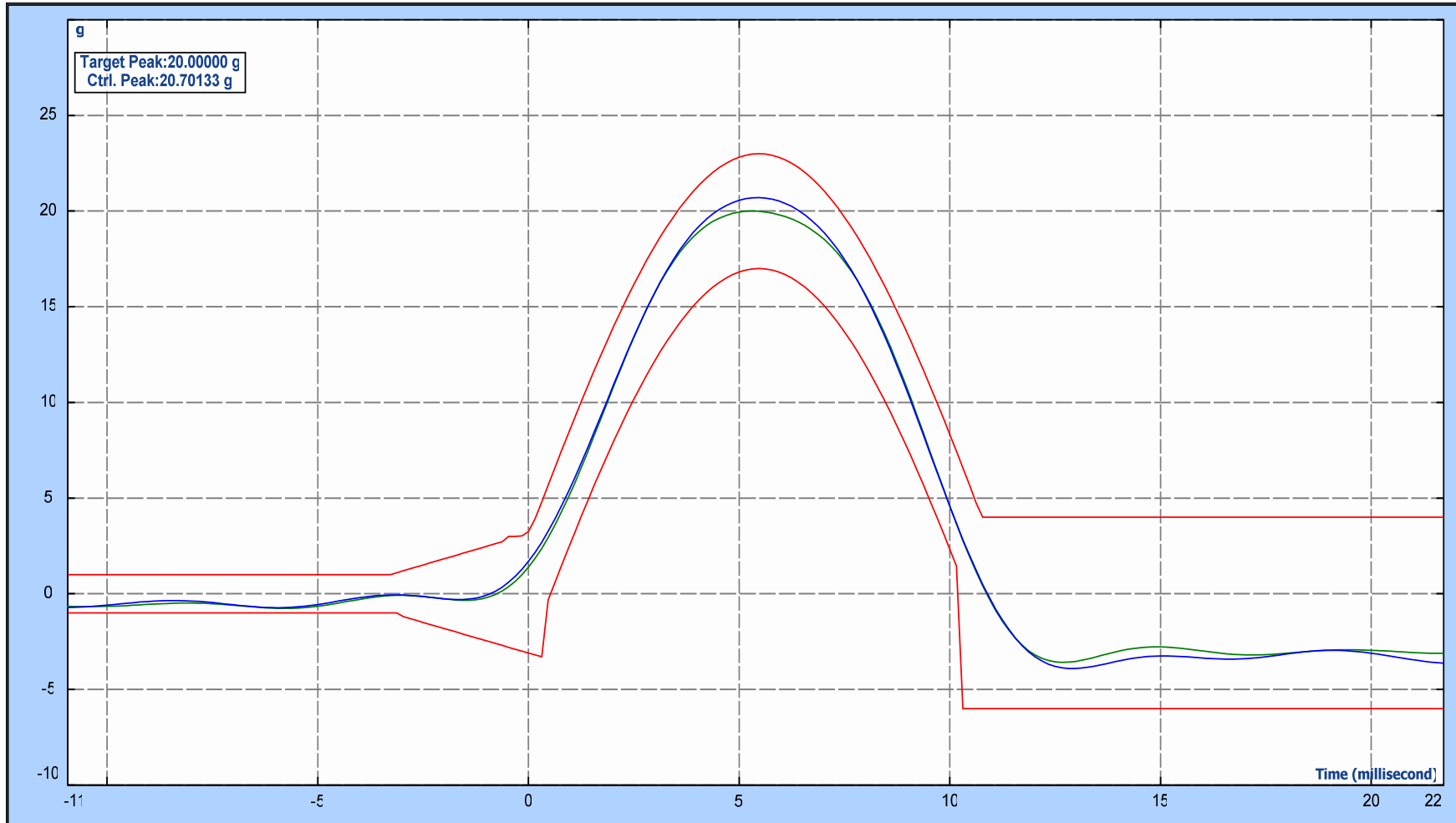
Target Pk: 20.00 g

Total Elapsed: 17.0

Measured Pulse width: 11.71782(ms)



-Y axis

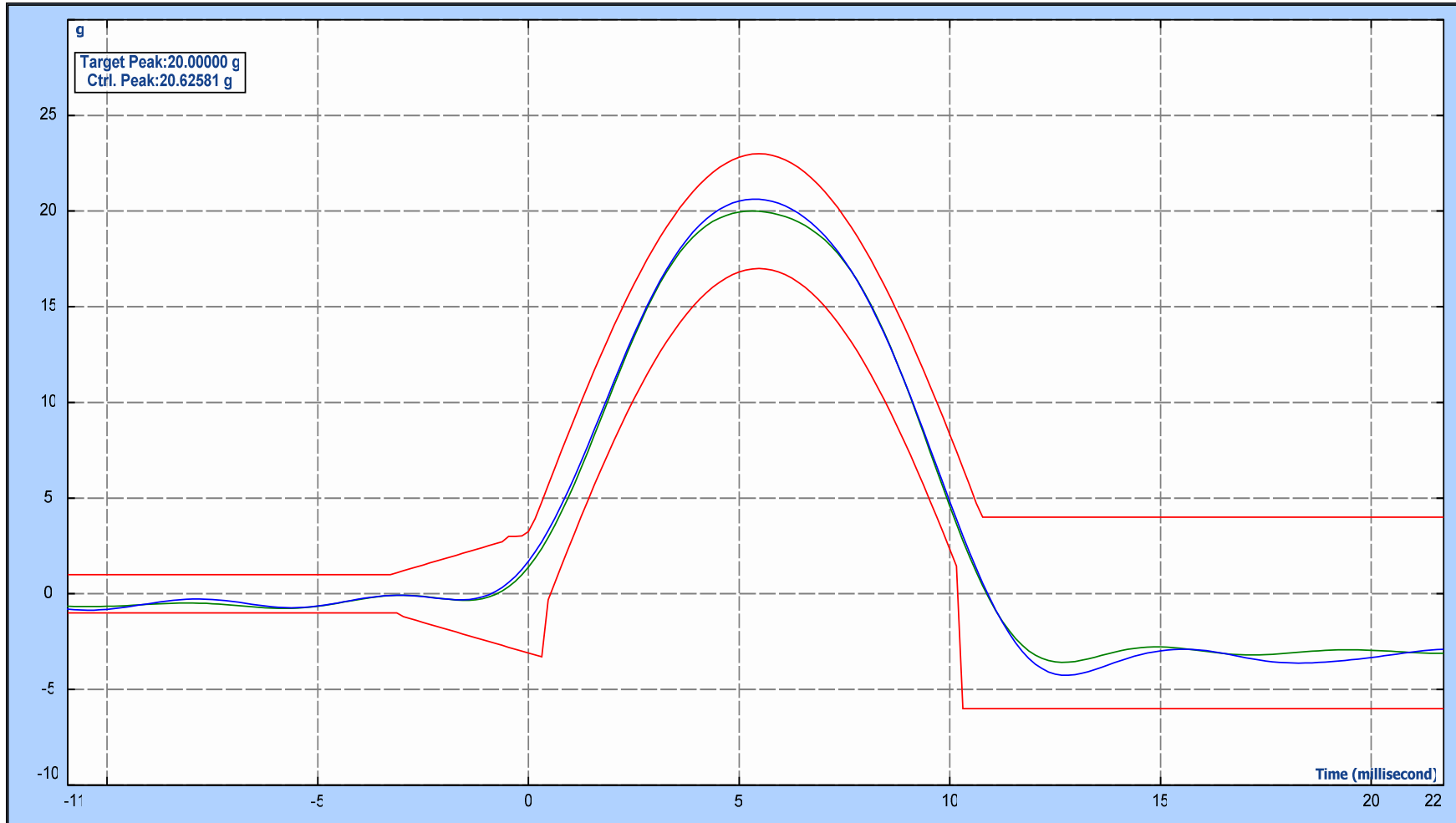


Level: 100.00 %  
Velocity Pk: 673.2 mm/s  
Control RMS: 1.943 g  
Full Level Elapsed: 3.0

Drive Pk: 1.690V  
Control Pk: 20.70 g  
Remaining: 0.0  
Pulse width: 11.00 ms

Est. Disp. : 17.43 mm Pk-Pk  
Target Pk: 20.00 g  
Total Elapsed: 17.0  
Measured Pulse width: 11.80298(ms)

+Z axis

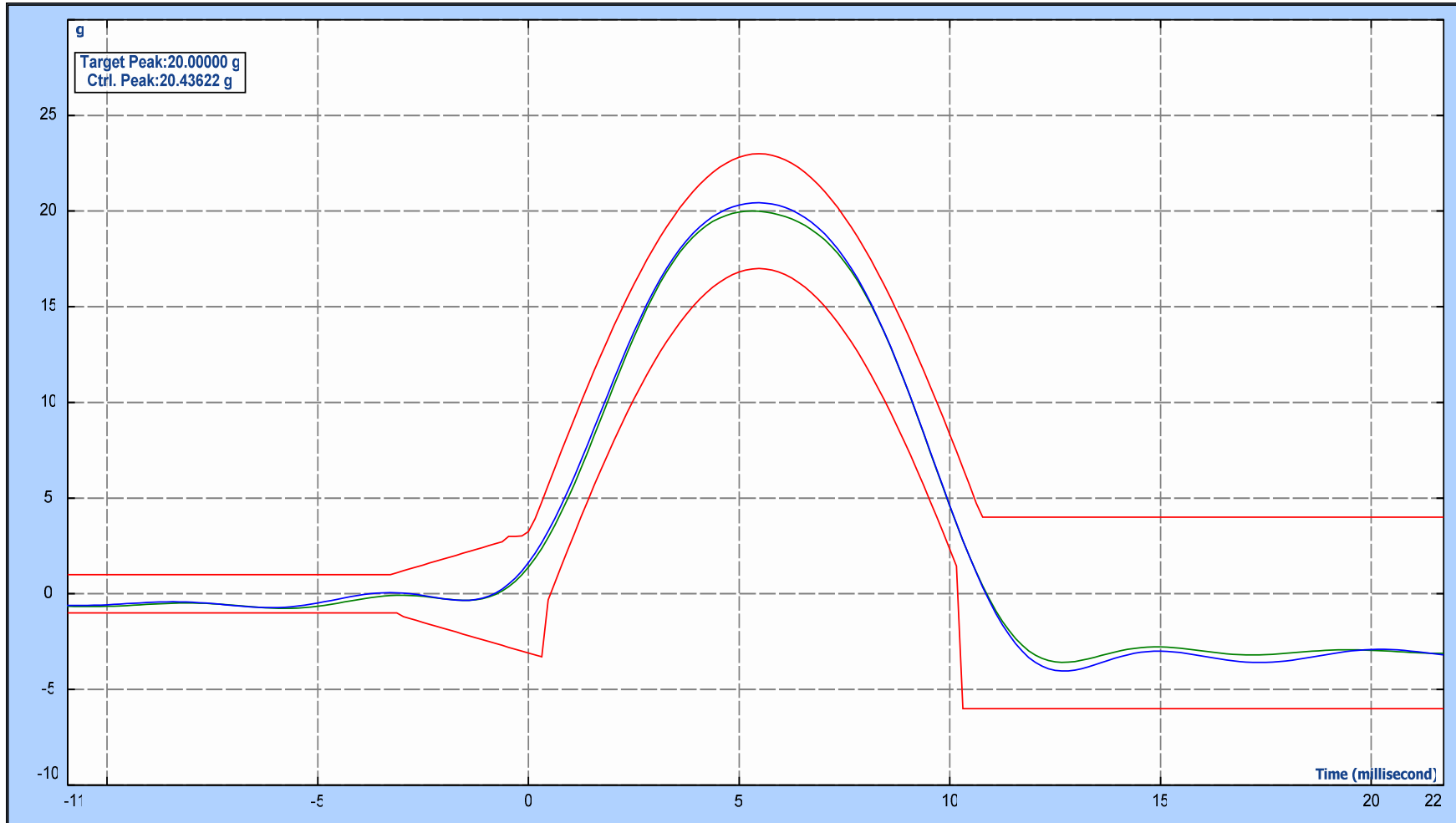


Level: 100.00 %  
 Velocity Pk: 675.7 mm/s  
 Control RMS: 1.947 g  
 Full Level Elapsed: 3.0

Drive Pk: 1.687V  
 Control Pk: 20.63 g  
 Remaining: 0.0  
 Pulse width: 11.00 ms

Est. Disp. : 17.51 mm Pk-Pk  
 Target Pk: 20.00 g  
 Total Elapsed: 17.0  
 Measured Pulse width: 11.79078(ms)

-Z axis



Level: 100.00 %  
 Velocity Pk: 672.8 mm/s  
 Control RMS: 1.939 g  
 Full Level Elapsed: 3.0

Drive Pk: 1.693V  
 Control Pk: 20.44 g  
 Remaining: 0.0  
 Pulse width: 11.00 ms

Est. Disp. : 17.52 mm Pk-Pk  
 Target Pk: 20.00 g  
 Total Elapsed: 17.0  
 Measured Pulse width: 11.67397(ms)

-END-