

KING DESIGN INDUSTRIAL CO., LTD.

RELIABILITY TEST LABORATORY

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TESTING / INSPECTION REPORT

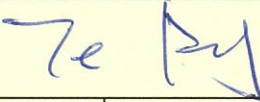

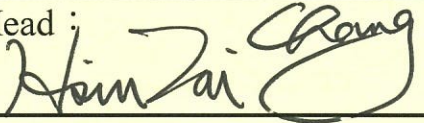
REPORT NO : ST-141124-1

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 : TKS-EMB (With 2.5" SATA HDD)
DATE OF RECEIVED : 2014/11/24
DATE OF TESTED : 2014/11/24

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 : 	
Approval Signatory :  2014.11.24	Laboratory Head : 



TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
 S/N : KDS11054783
 Controller : VCS-913⁺, S/N : 1312416
 Control Accelerometer : ENDEVCO, Model : 41A16, S/N : 10069

TEST ENVIRONMENT :

Temperature : 25°C (25±10°C)
 Relative Humidity : 65%RH (50±20% RH)

SPECIMEN :

Model : TKS-EMB (With 2.5" SATA HDD)
 Quantity : 1 unit

TEST SPECIFICATION :

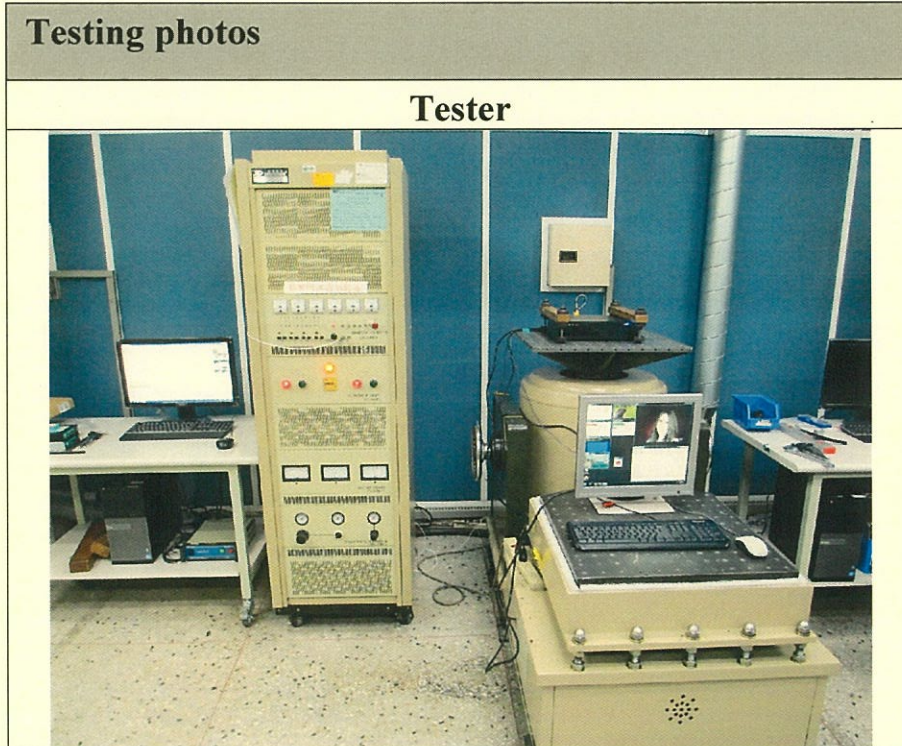
As per applicant's requirement

Wave Form : Half Sine wave (Operating)
 Acceleration : 20 g
 Duration Time : 11 mS
 No. of Shock : Each axis 3 times
 Shock Direction : ±X, ±Y, ±Z axis

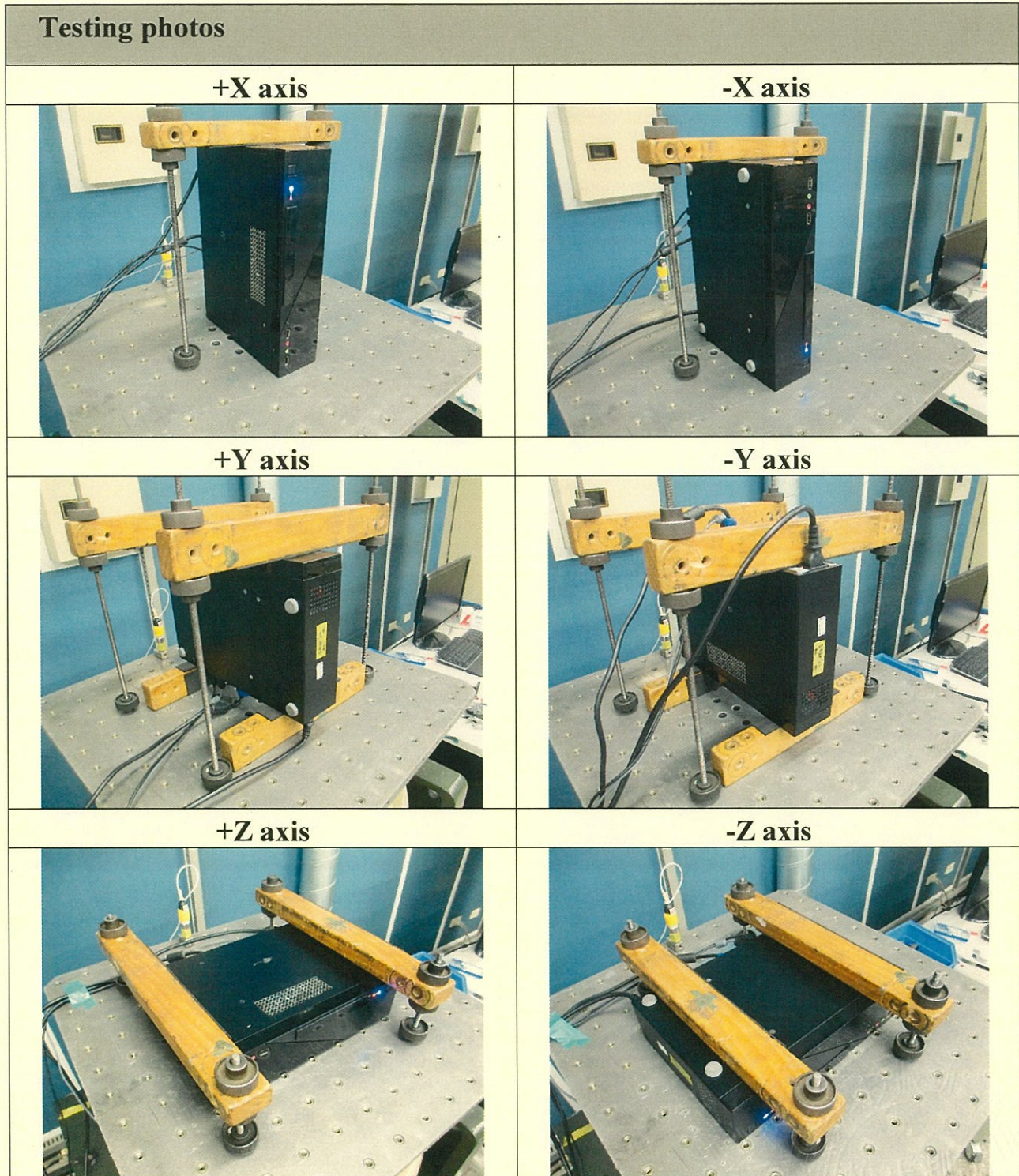
TEST RESULT :

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

TESTING / INSPECTION REPORT



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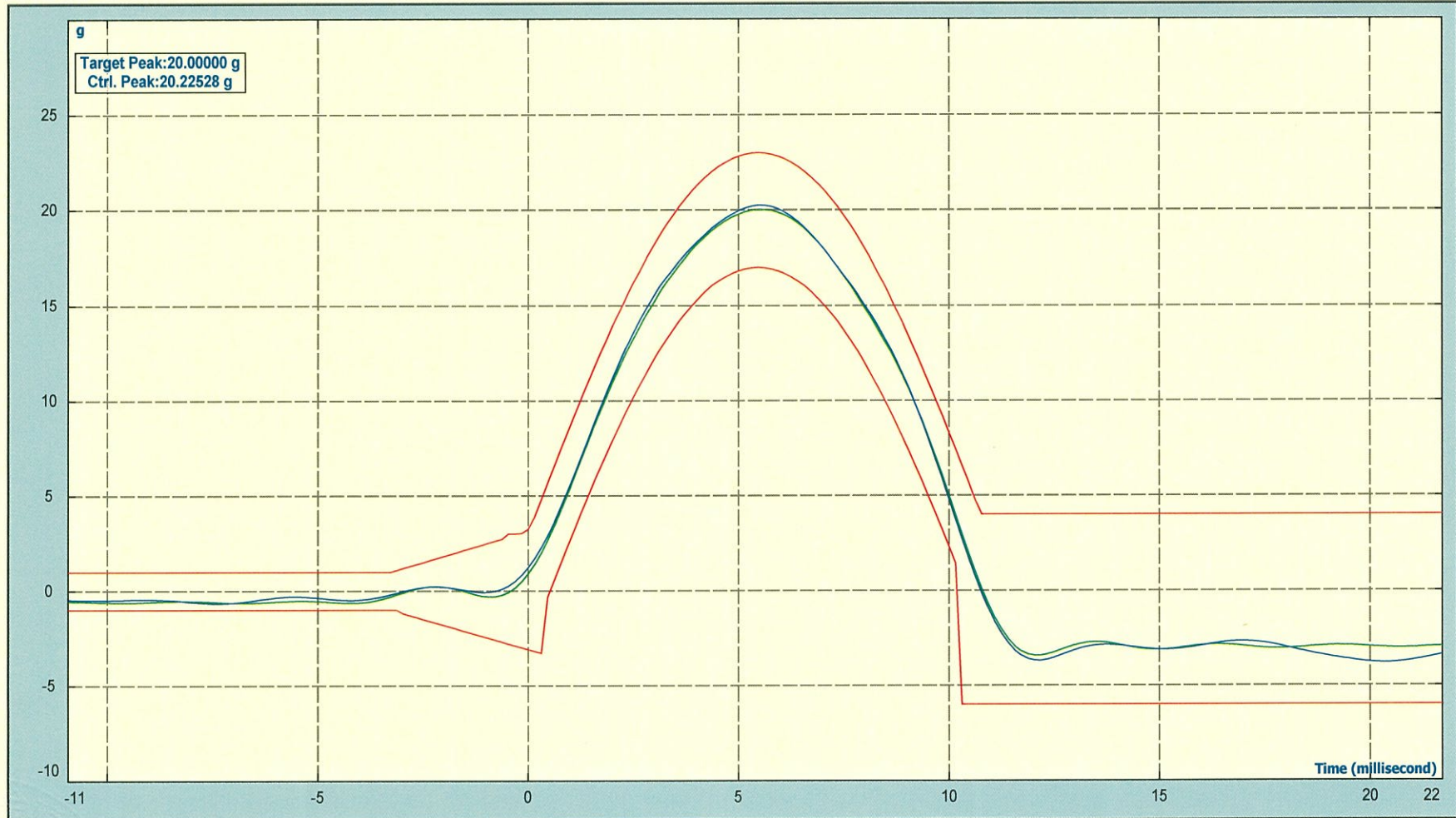
TESTING / INSPECTION REPORT

Testing photos

After test



+X axis

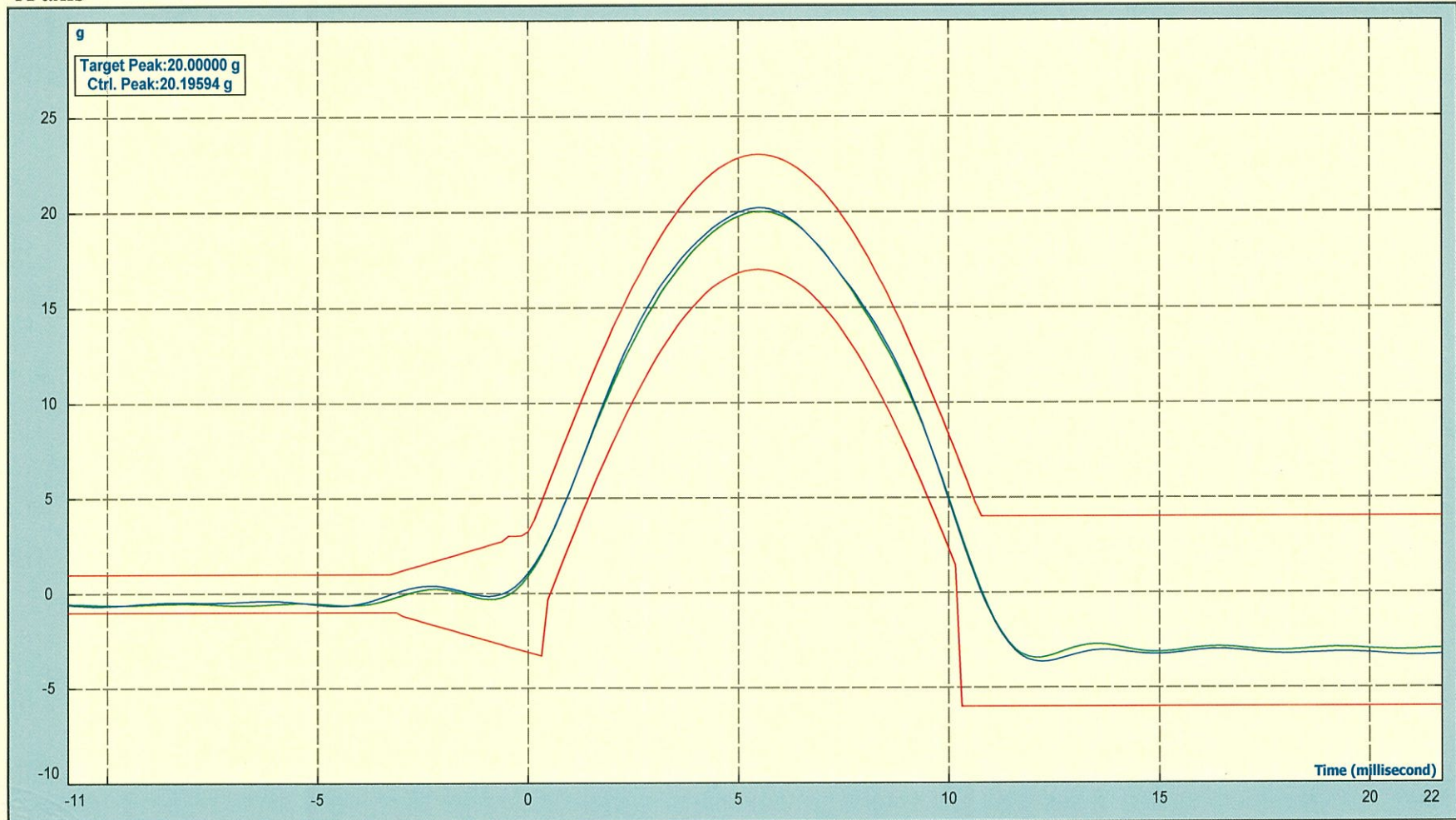


Level: 100.00 %
Velocity Pk: 0.718 m/s
Control RMS: 2.050 g
Full Level Elapsed: 3.0

Drive Pk: 2.297V
Control Pk: 20.23 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 18.38 mm Pk-Pk
Target Pk: 20.00 g
Total Elapsed: 18.0
Measured Pulse width: 11.48301(ms)

-X axis

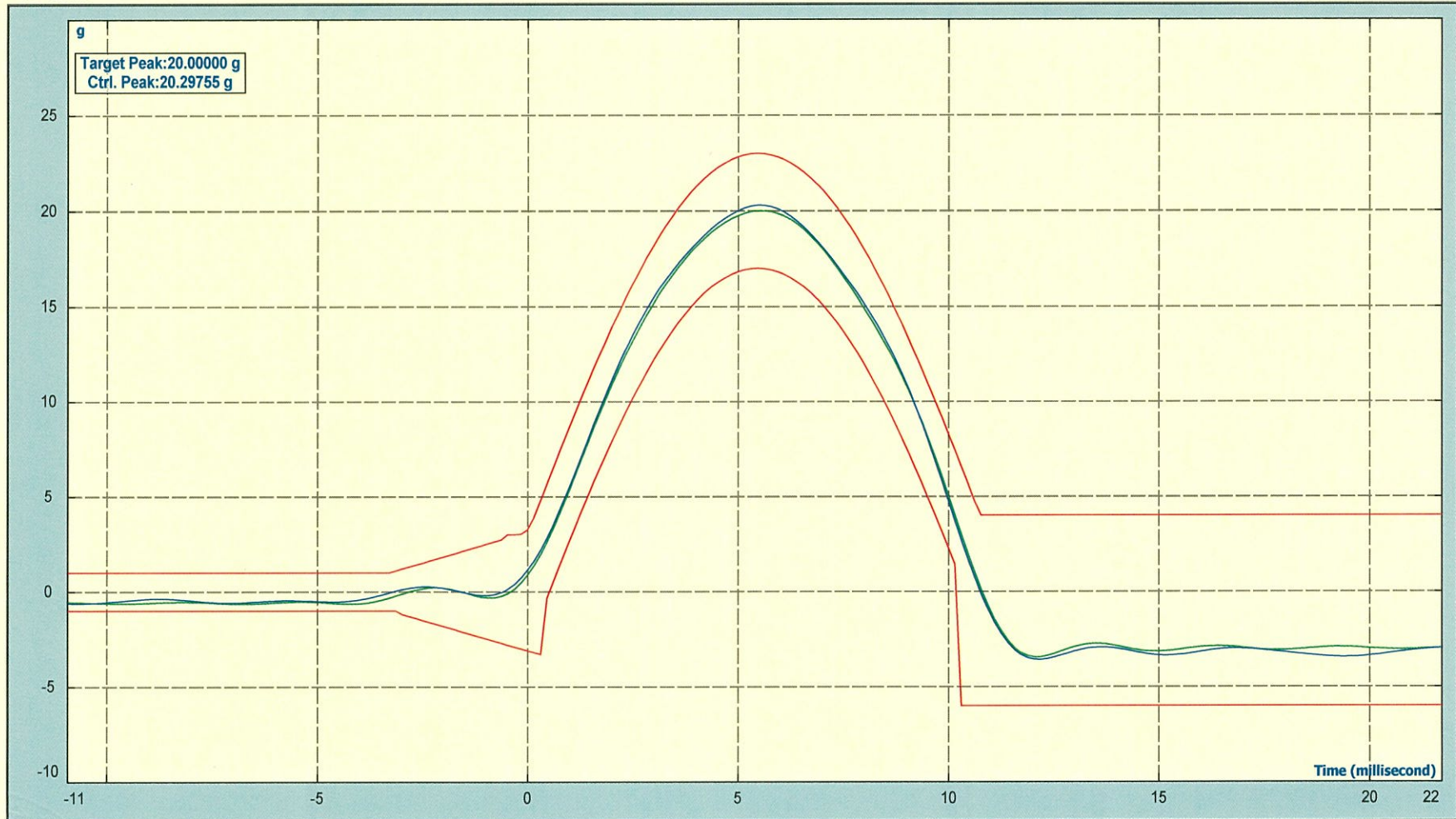


Level: 100.00 %
 Velocity Pk: 0.717 m/s
 Control RMS: 2.048 g
 Full Level Elapsed: 3.0

Drive Pk: 2.167V
 Control Pk: 20.20 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.47 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 18.0
 Measured Pulse width: 11.34591(ms)

+Y axis



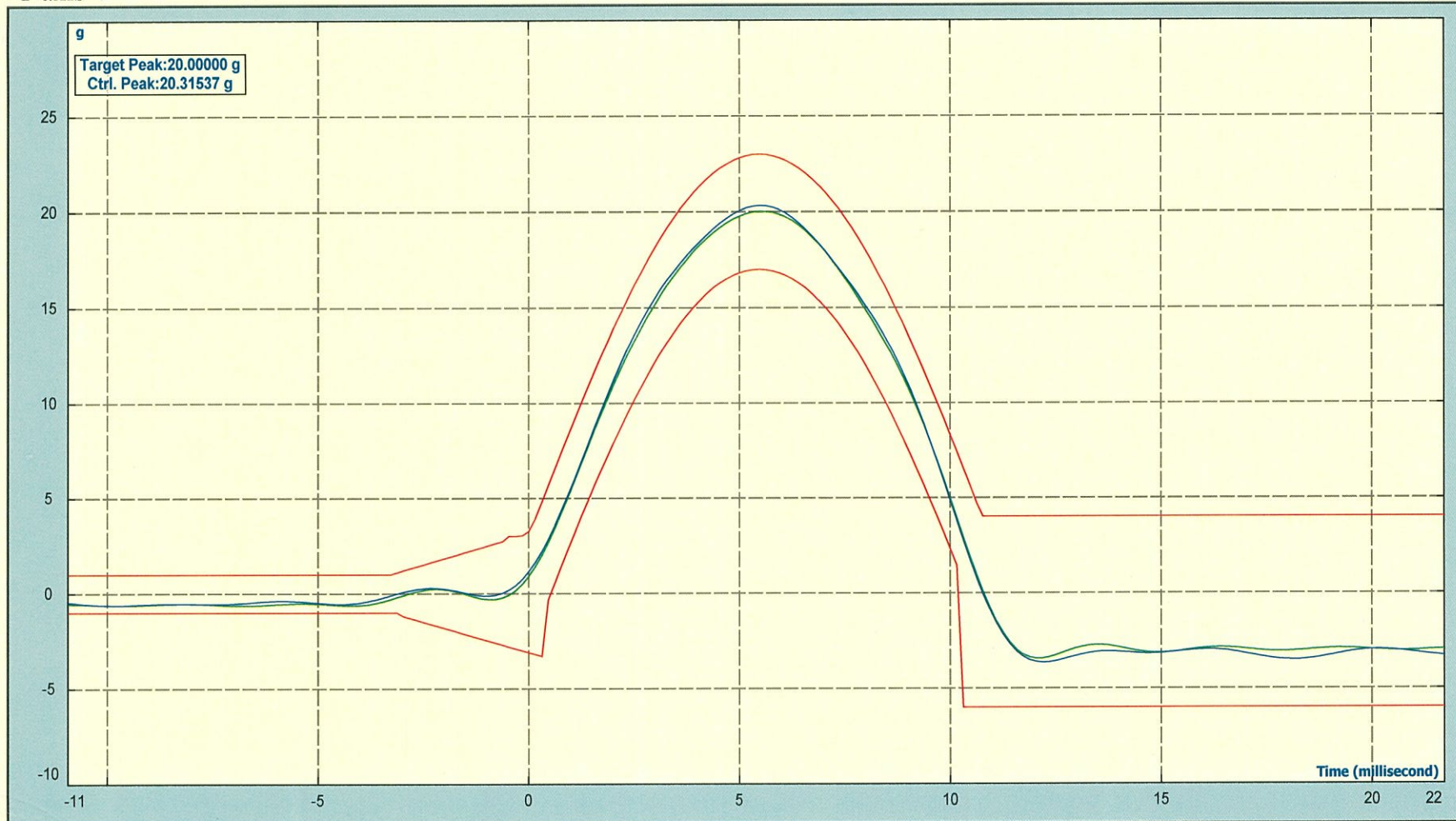
Level: 100.00 %
 Velocity Pk: 0.719 m/s
 Control RMS: 2.053 g
 Full Level Elapsed: 3.0

Drive Pk: 2.234V
 Control Pk: 20.30 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.50 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 18.0
 Measured Pulse width: 11.34319(ms)



-Y axis

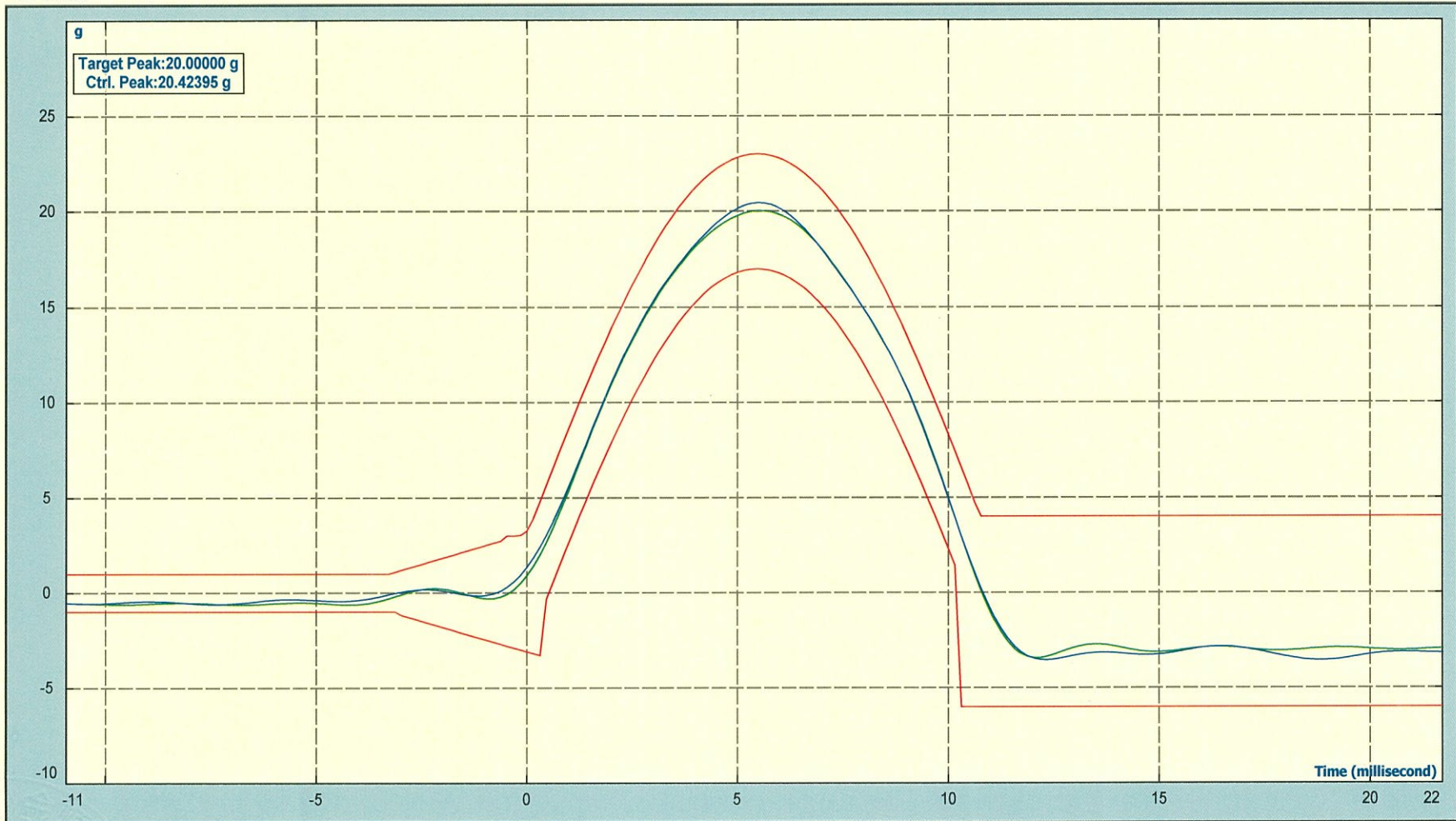


Level: 100.00 %
Velocity Pk: 0.717 m/s
Control RMS: 2.053 g
Full Level Elapsed: 3.0

Drive Pk: 2.153V
Control Pk: 20.32 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 18.48 mm Pk-Pk
Target Pk: 20.00 g
Total Elapsed: 18.0
Measured Pulse width: 11.39976(ms)

+Z axis

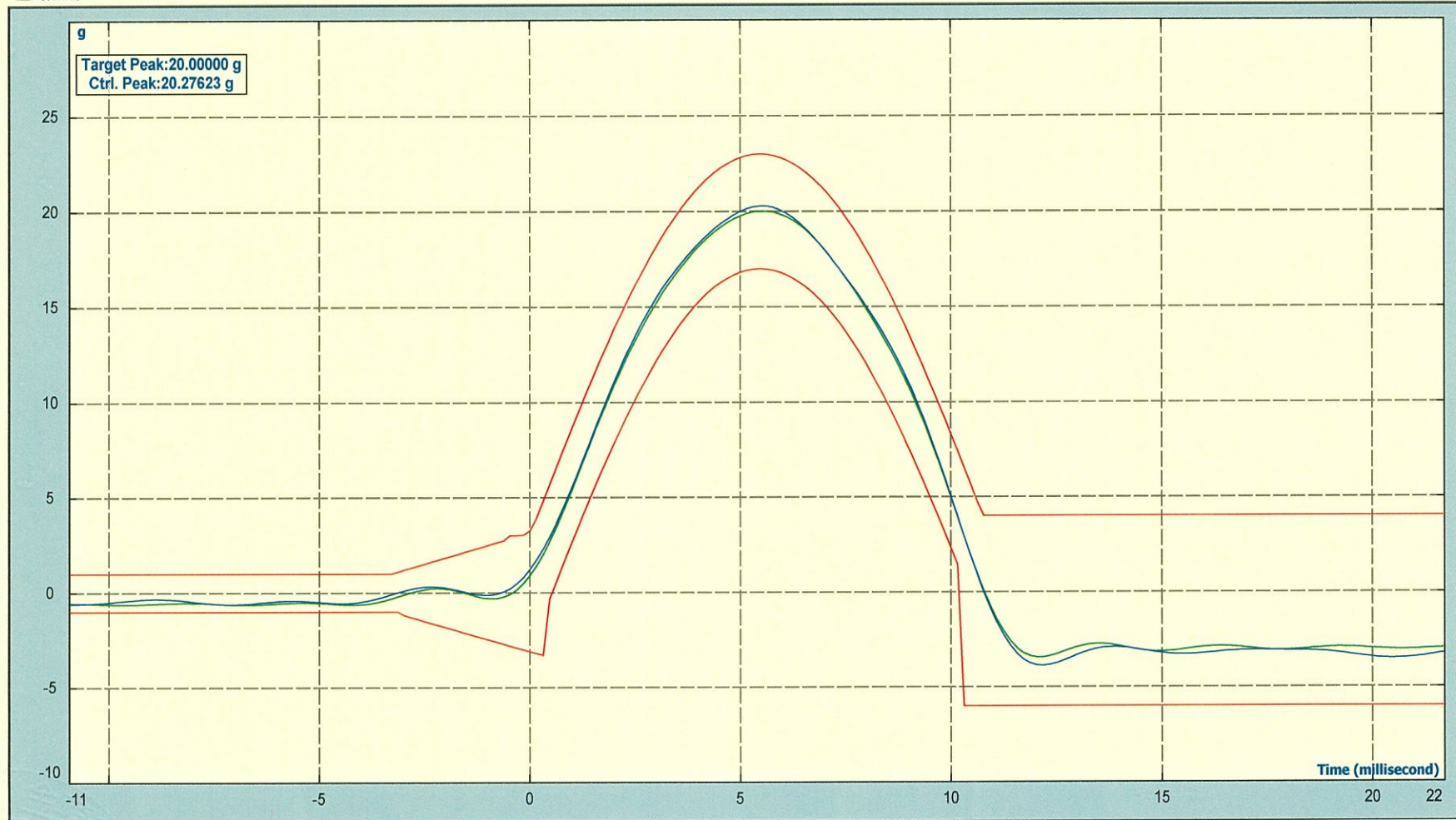


Level: 100.00 %
 Velocity Pk: 0.718 m/s
 Control RMS: 2.048 g
 Full Level Elapsed: 3.0

Drive Pk: 2.290V
 Control Pk: 20.42 g
 Remaining: 0.0
 Pulse width: 11.00 ms

Est. Disp. : 18.43 mm Pk-Pk
 Target Pk: 20.00 g
 Total Elapsed: 18.0
 Measured Pulse width: 11.52958(ms)

-Z axis



Level: 100.00 %
Velocity Pk: 0.721 m/s
Control RMS: 2.051 g
Full Level Elapsed: 3.0

Drive Pk: 2.258V
Control Pk: 20.28 g
Remaining: 0.0
Pulse width: 11.00 ms

Est. Disp. : 18.46 mm Pk-Pk
Target Pk: 20.00 g
Total Elapsed: 18.0
Measured Pulse width: 11.43821(ms)

-END-