

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 LABORATORY<http://www.kdi.tw><http://www.vibration.com.tw>E-mail: service@kdi.tw**TESTING / INSPECTION REPORT**

REPORT NO : ST-180417-2

COMPANY : TechNexion Ltd.

ADDRESS : 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511,
New Taipei City, Taiwan

TEL : 886-2-8227-3585

FAX : 886-2-8227-3590

SPECIMEN : TWP1010-IMX6 series

TEP5-i.MX6 Quad --- TEP5-IMX6Q

Power Expansion-LPOE --- TXB-P1-12V-POE1

I/O Expansion-XG20--- TXB-I2-GS2-GC2-GG8

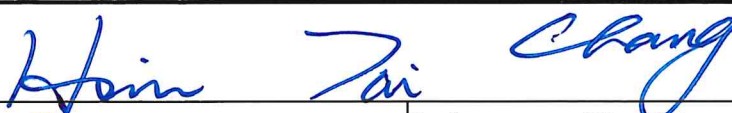

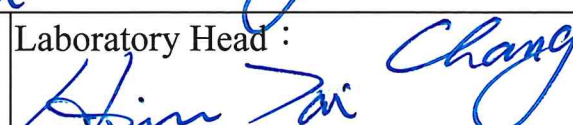
DATE OF RECEIVED : 2018/04/11

DATE OF TESTED : 2018/04/11

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 : 	Laboratory Head : 

2018.4.27

TELECOMS / VIBRATION / SHOCK INSTRUMENTS

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TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-1000F2K-50N120,
S/N : GUG02102091
2. Controller : DACTRON LASER USB, S/N : 12448370
3. Control Accelerometer : WILCOXON RESEARCH WR-784A, S/N : 23116

TEST ENVIRONMENT :

- Temperature : 25°C (25±10°C)
- Relative Humidity : 62%RH (50±25% RH)

SPECIMEN :

Model/(S/N) : TWP1010-IMX6 series
TEP5-i.MX6 Quad --- TEP5-IMX6Q
Power Expansion-LPOE --- TXB-P1-12V-POE1
I/O Expansion-XG20--- TXB-I2-GS2-GC2-GG8

Quantity : 1 unit

TESTING / INSPECTION REPORTTEST SPECIFICATION :**As per applicant's requirement---**

Shock test (Operating)

Wave Form : Half sine wave

Acceleration : 15 g

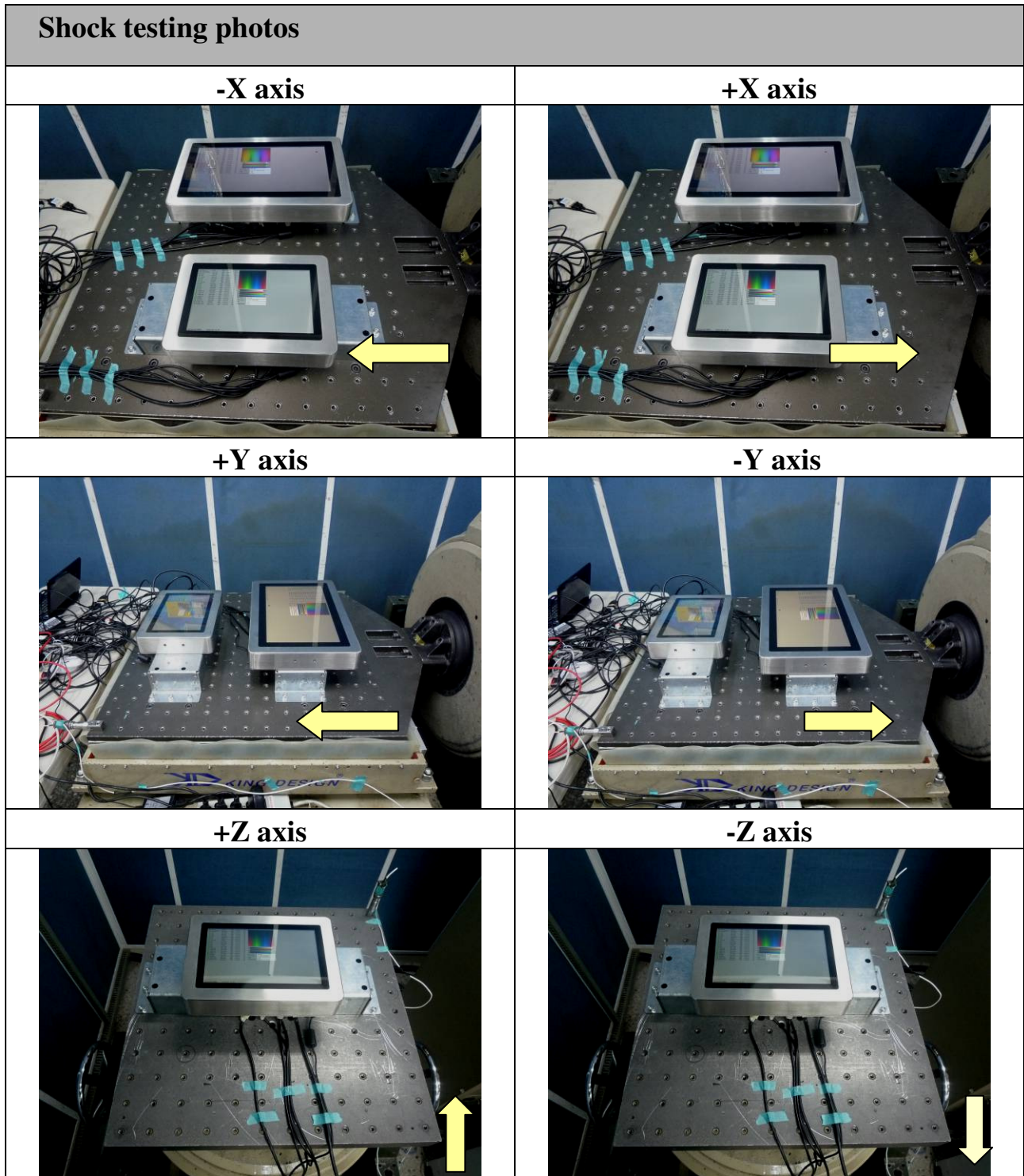
Duration Time : 11 mS

No. of Shock : 3 (Each Axis)

Shock Direction : $\pm X$, $\pm Y$, $\pm Z$ axisTEST RESULT :

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

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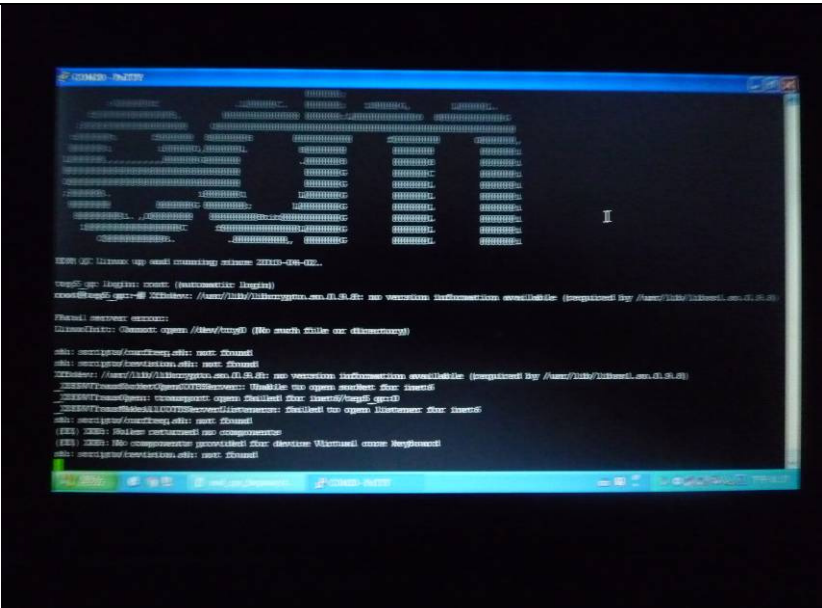
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Testing photos

After test-1

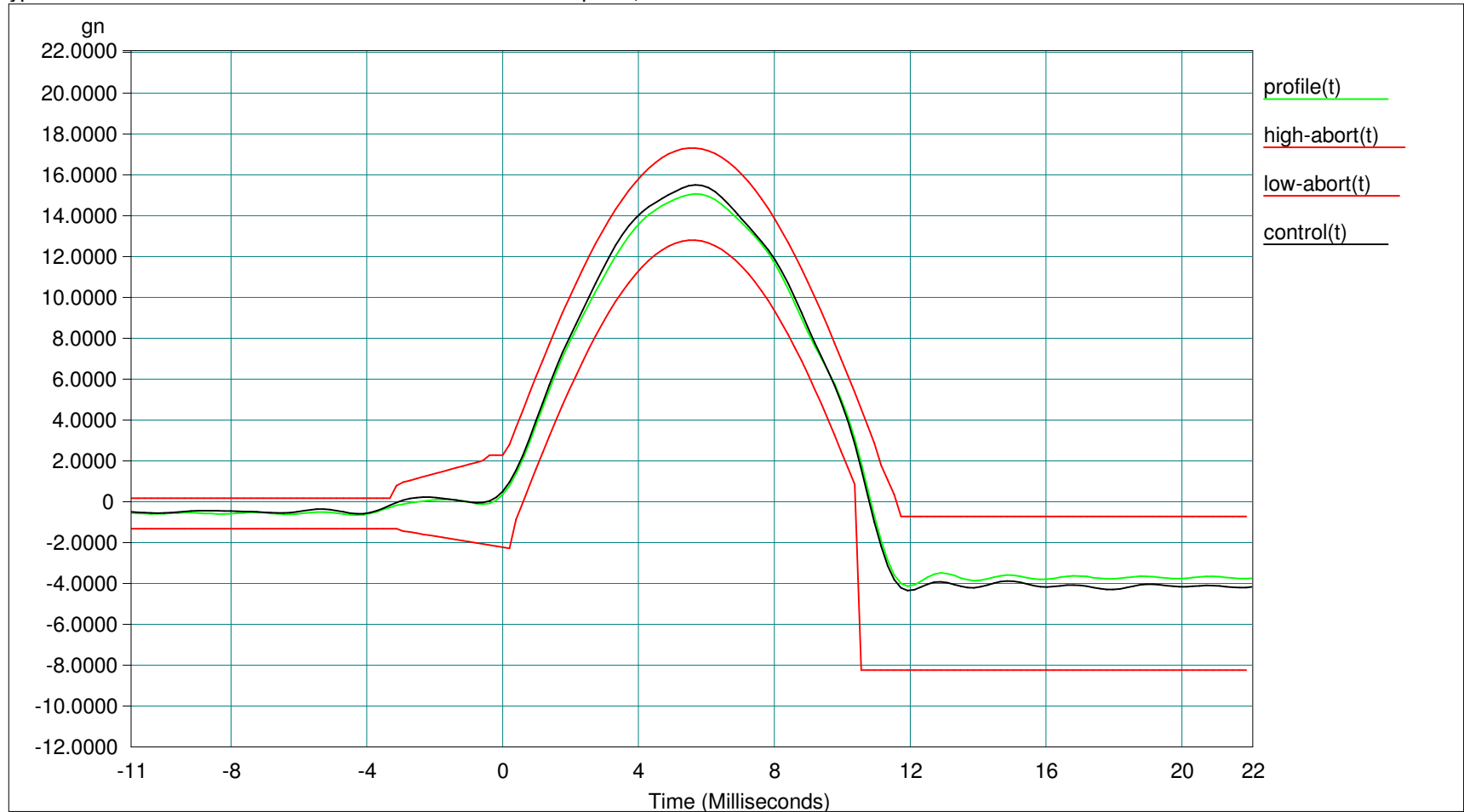


After test-2



+X axis - shock test

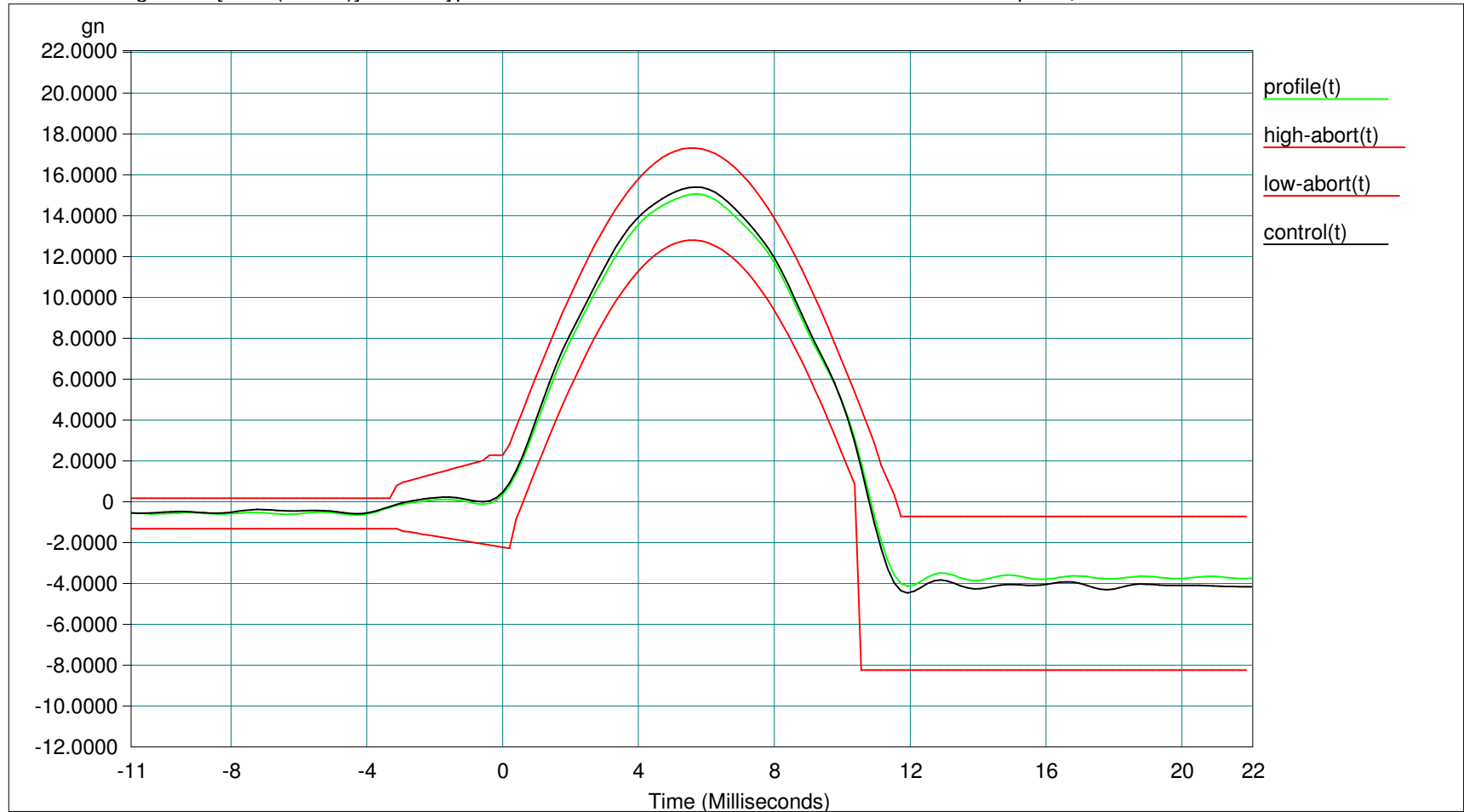
Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 14-36-12



Level: 100 % Block Size: 2048 Elapsed Pulses: 14
 Frame Time: 0.400000 Seconds Control Peak: 15.451979 Control RMS: 2.251712 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 7
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

+Y axis - shock test

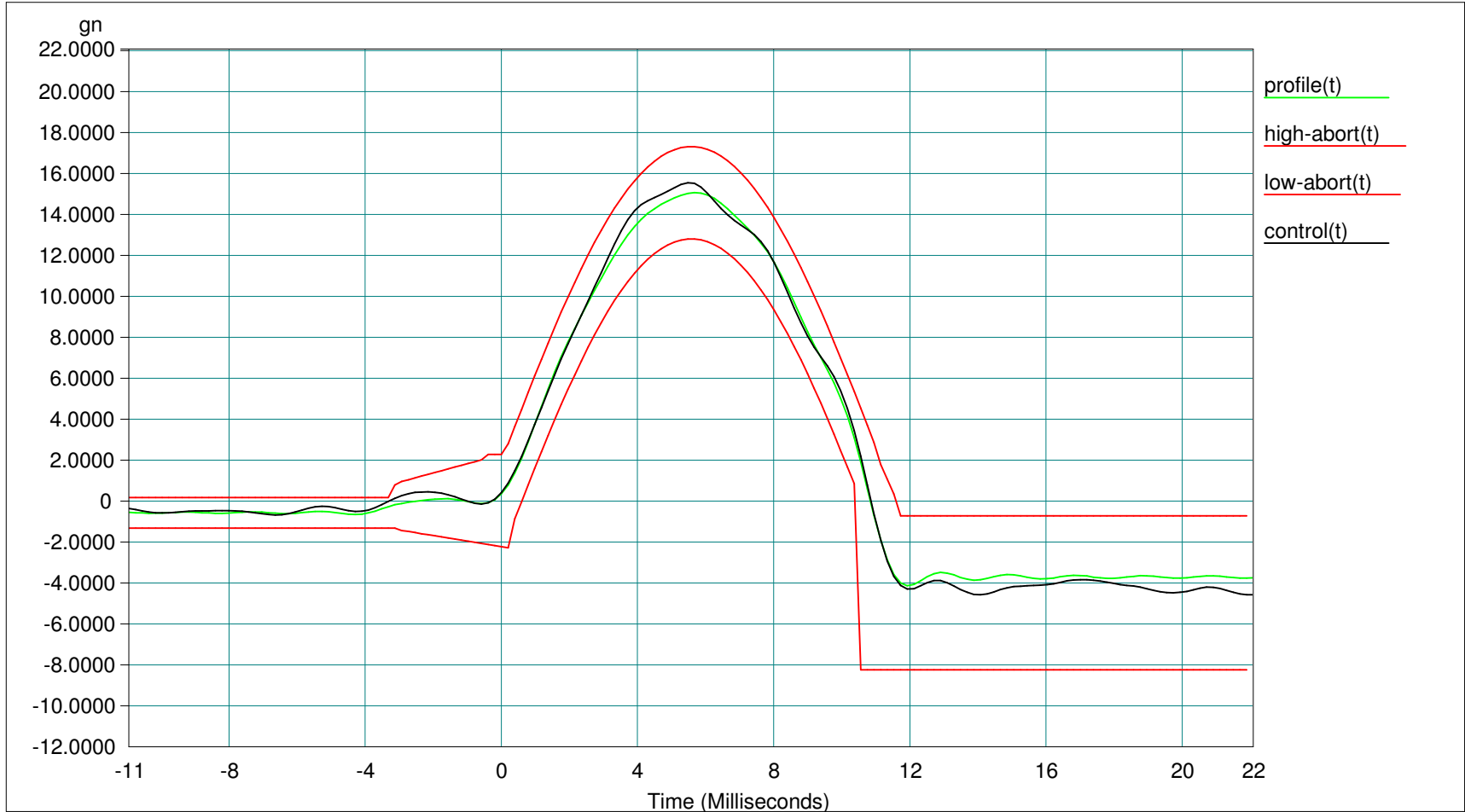
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 16-04-48



Level: 100 % Block Size: 2048 Elapsed Pulses: 14
 Frame Time: 0.400000 Seconds Control Peak: 15.348257 Control RMS: 2.251344 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 7
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

+Z axis - shock test

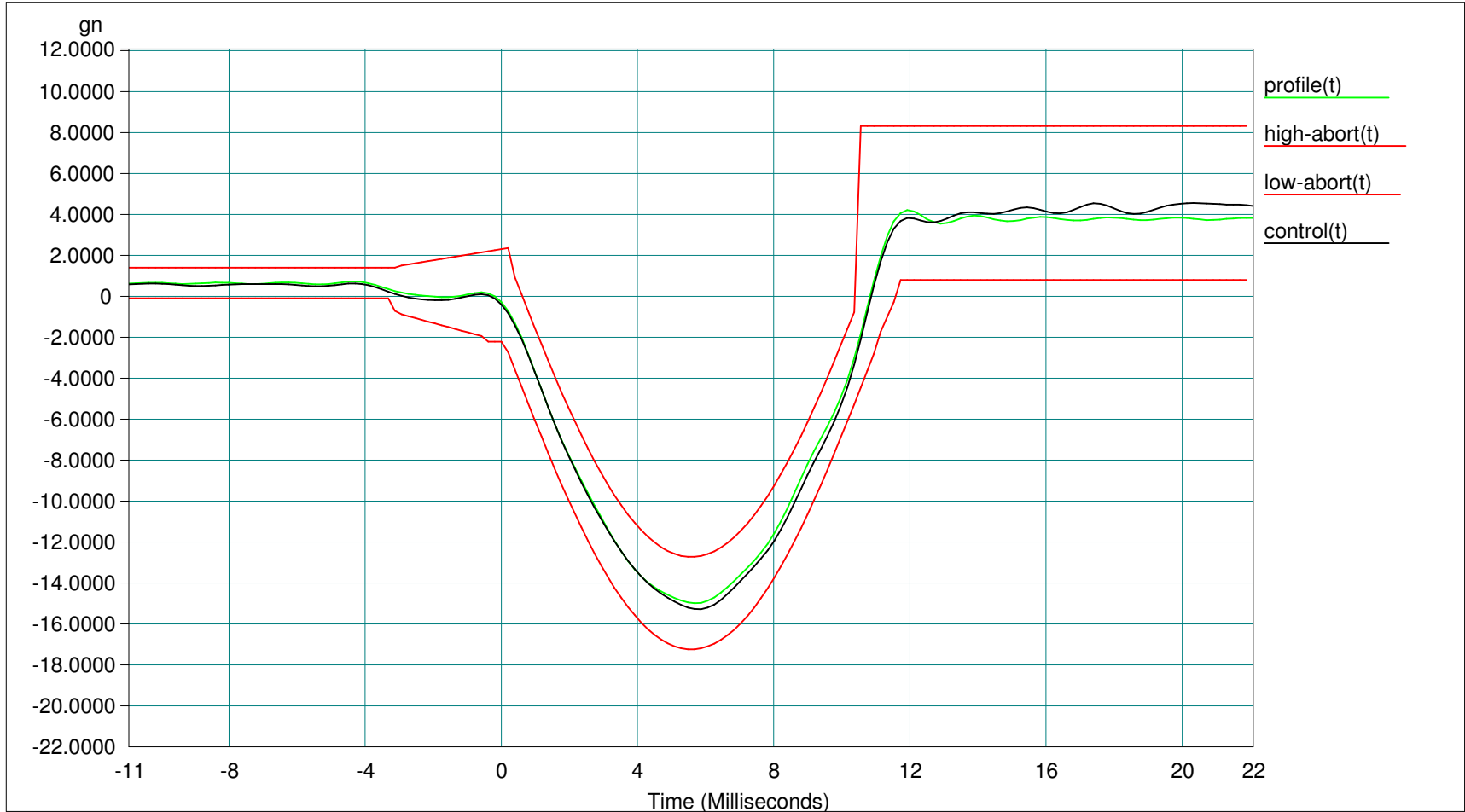
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 11-57-49



Level: 100 % Block Size: 2048 Elapsed Pulses: 14
 Frame Time: 0.400000 Seconds Control Peak: 15.490544 Control RMS: 2.236313 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 7
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

-X axis - shock test

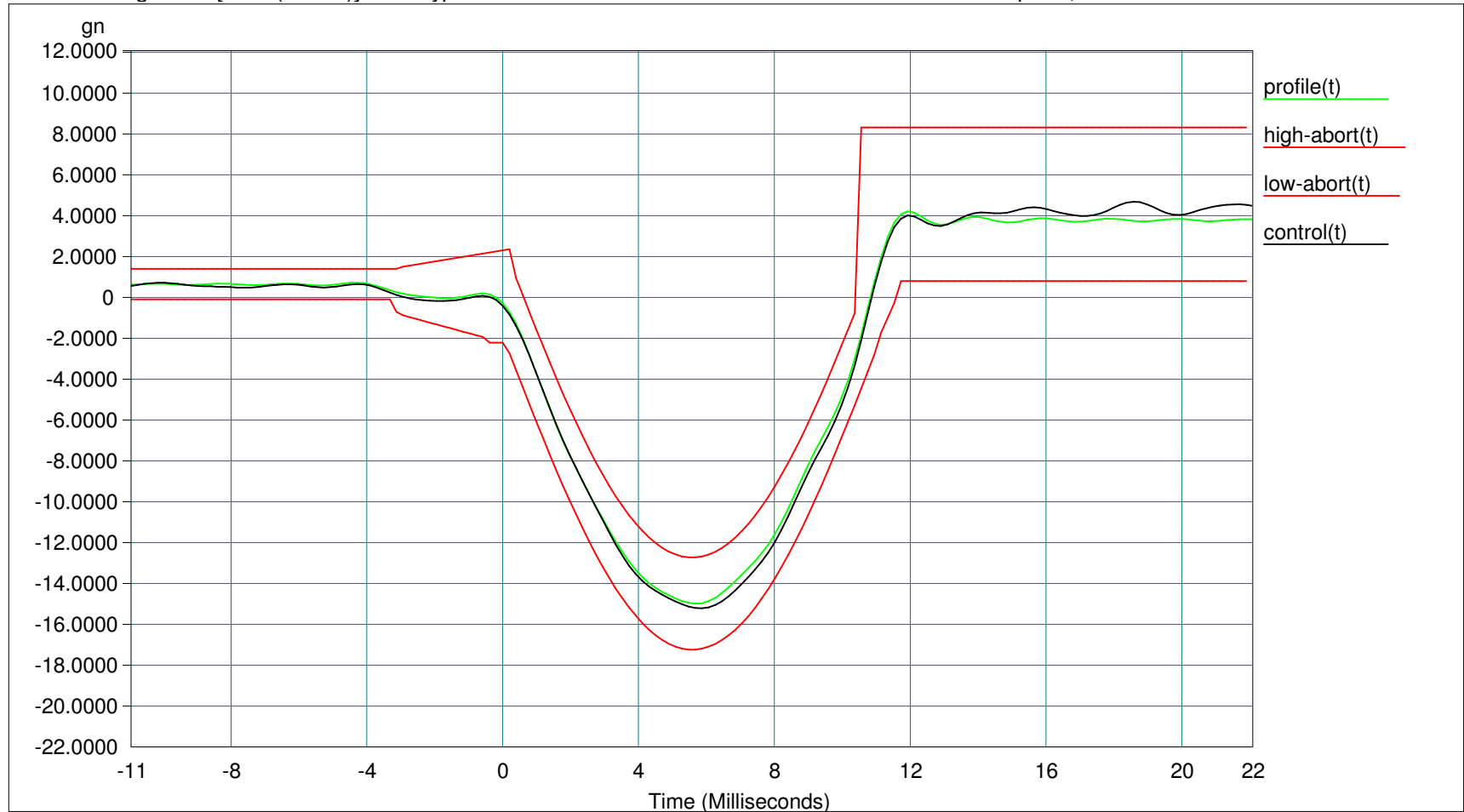
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 14-36-12



Level: 100 % Block Size: 2048 Elapsed Pulses: 21
 Frame Time: 0.400000 Seconds Control Peak: 15.287238 Control RMS: 2.239532 Full Level Elapsed Pulses: 6
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

-Y axis - shock test

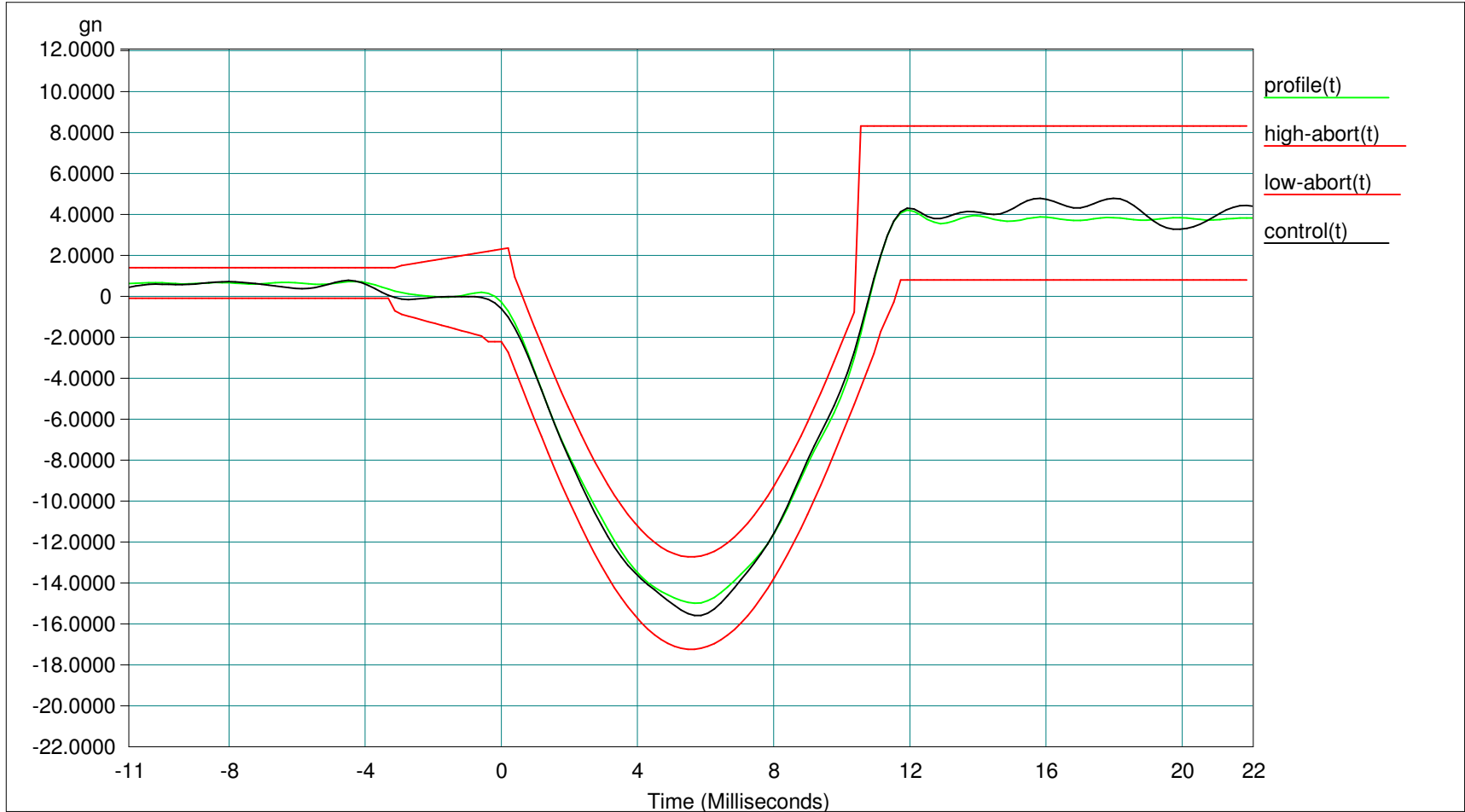
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 16-04-48



Level: 100 % Block Size: 2048 Elapsed Pulses: 21
 Frame Time: 0.400000 Seconds Control Peak: 15.230867 Control RMS: 2.242169 Full Level Elapsed Pulses: 6
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms

-Z axis - shock test

Test Name: HS 15g 11 ms[VCS (Shock) Test Type: Classical Shock Run Folder: .\RunDefault Apr 11, 2018 11-57-49



Level: 100 % Block Size: 2048 Elapsed Pulses: 21
 Frame Time: 0.400000 Seconds Control Peak: 15.602759 Control RMS: 2.232517 Full Level Elapsed Pulses: 6
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: **END**