

KING DESIGN INDUSTRIAL CO., LTD.

VIBRATION 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-171212-3

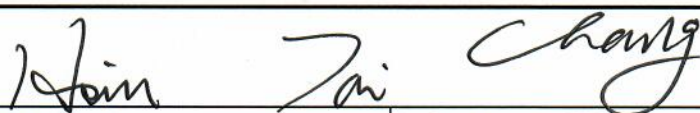

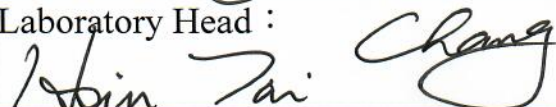
COMPANY : TechNexion Ltd.
ADDRESS : 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511,
New Taipei City, Taiwan
TEL : 886-2-8227-3585
FAX : 886-2-8227-3590
SPECIMEN : TEP0700-IMX7 series
TEP1-i.MX7 DUAL --- TEP1-IMX7D
Power Expansion-LPOE --- TXR-P1-12V-POE1

DATE OF RECEIVED : 2017/11/28
DATE OF TESTED : 2017/11/28

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 :
		

2018.1.26

TELECOMS / VIBRATION / SHOCK INSTRUMENTS

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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) : TEP0700-IMX7 series
TEP1-i.MX7 DUAL --- TEP1-IMX7D
Power Expansion-LPOE --- TXR-P1-12V-POE1

- Quantity : 1 unit

TESTING / INSPECTION REPORTTEST SPECIFICATION :

Shock test (Operating)

Wave Form : Half sine wave

Acceleration : 15 g

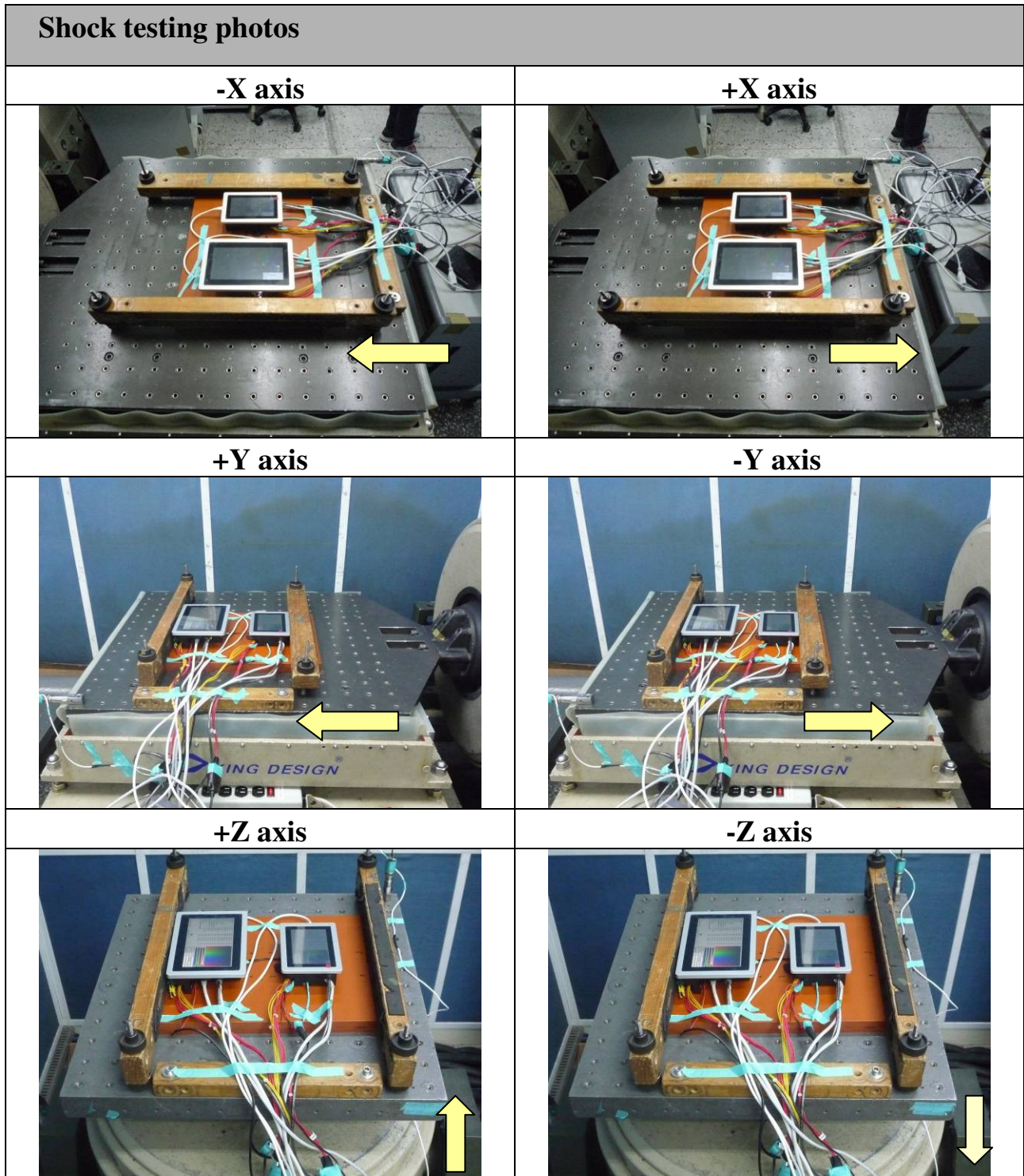
Duration Time : 11 mS

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	√	---	---

TESTING / INSPECTION REPORT



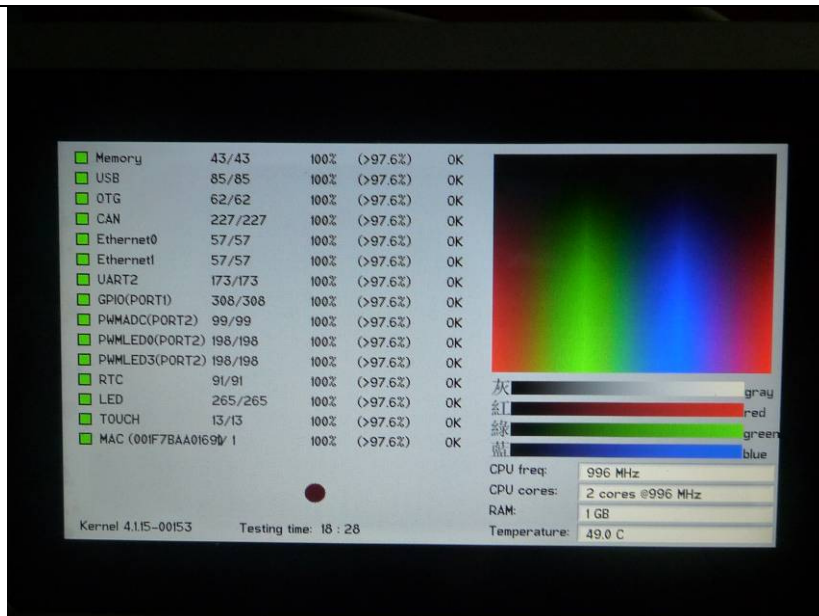
TESTING / INSPECTION REPORT

Testing photos

After test-1

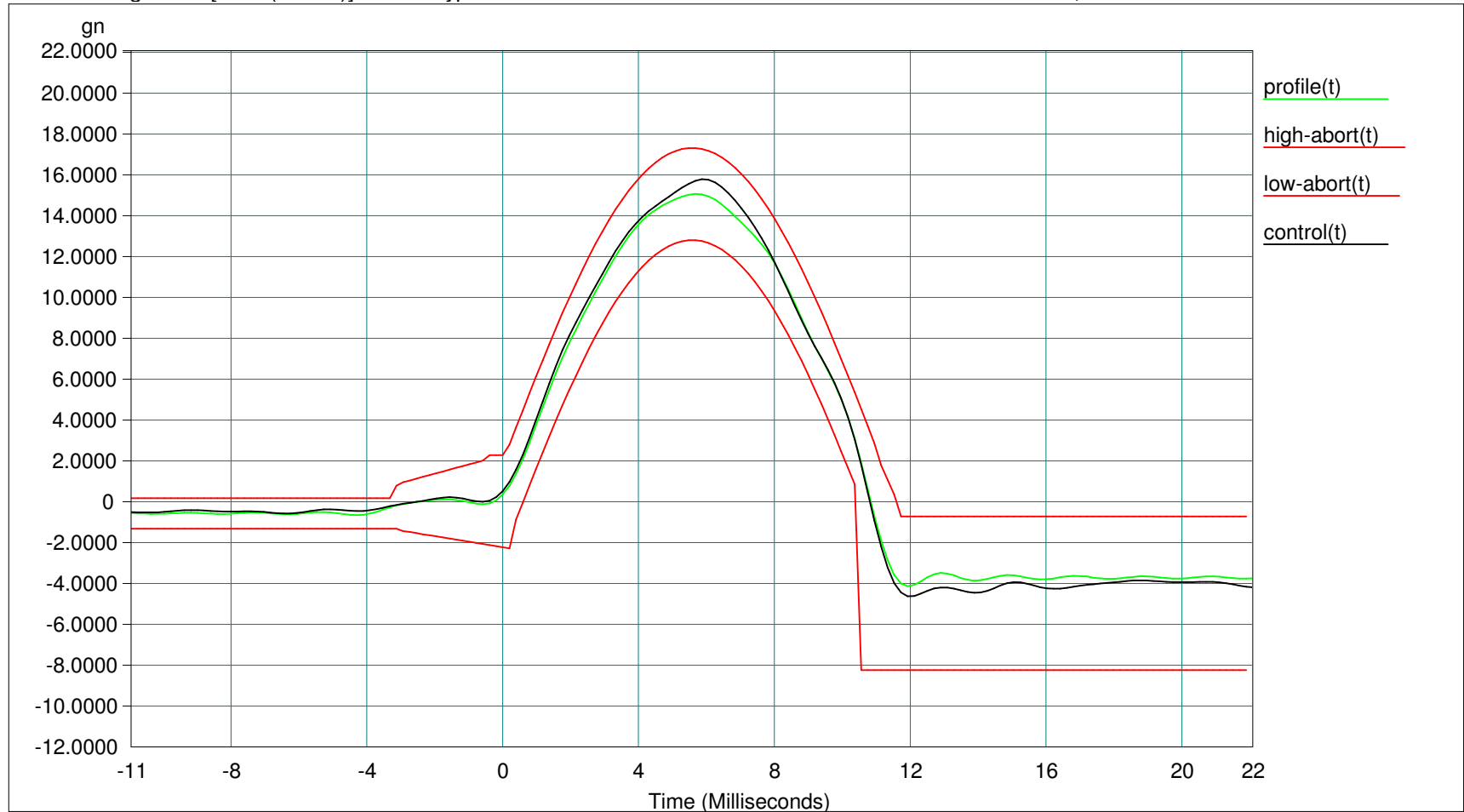


After test-2



+X axis - shock test

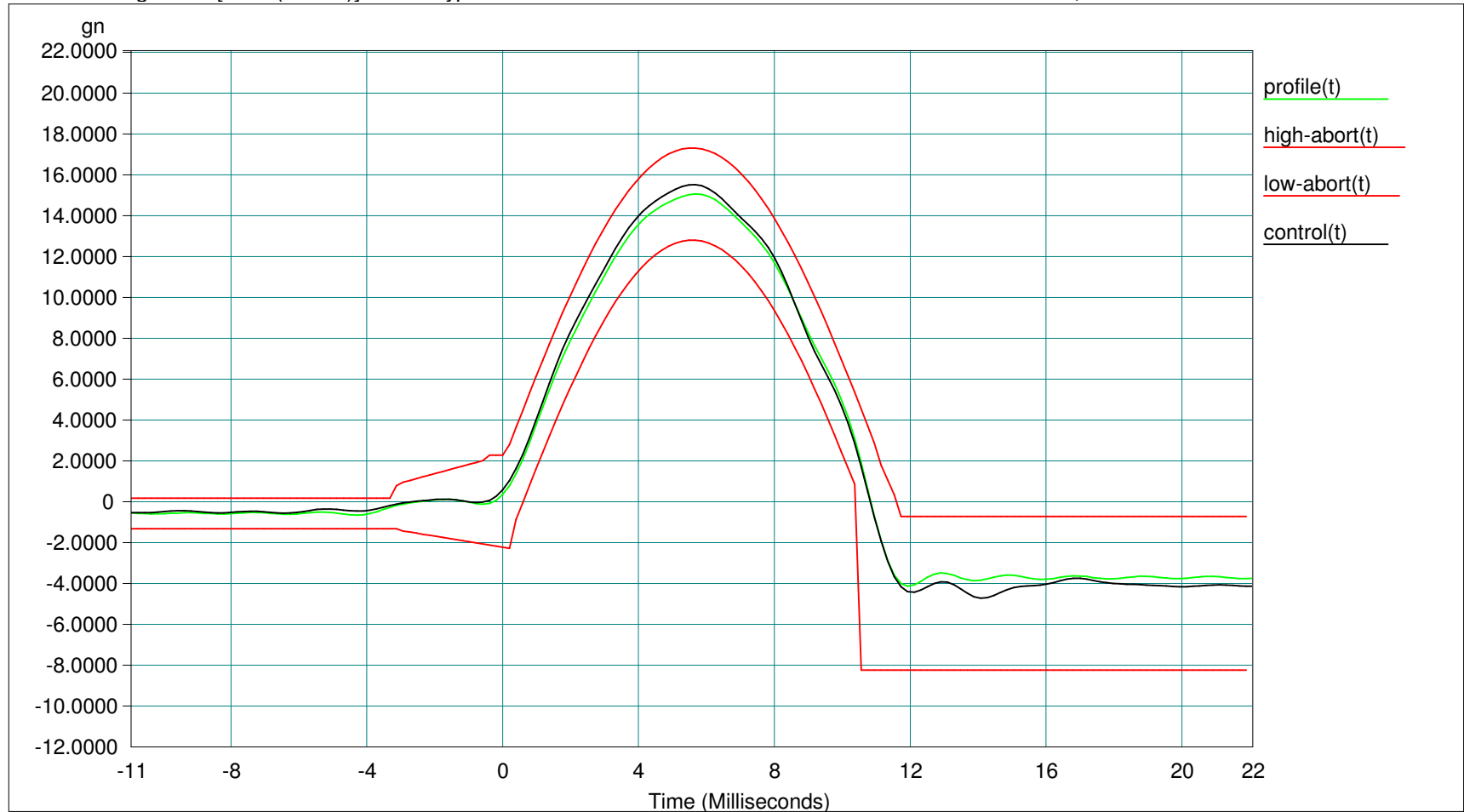
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Nov 28, 2017 13-14-42



Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.400000 Seconds Control Peak: 15.720471 Control RMS: 2.254697 Full Level Elapsed Pulses: 3
 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

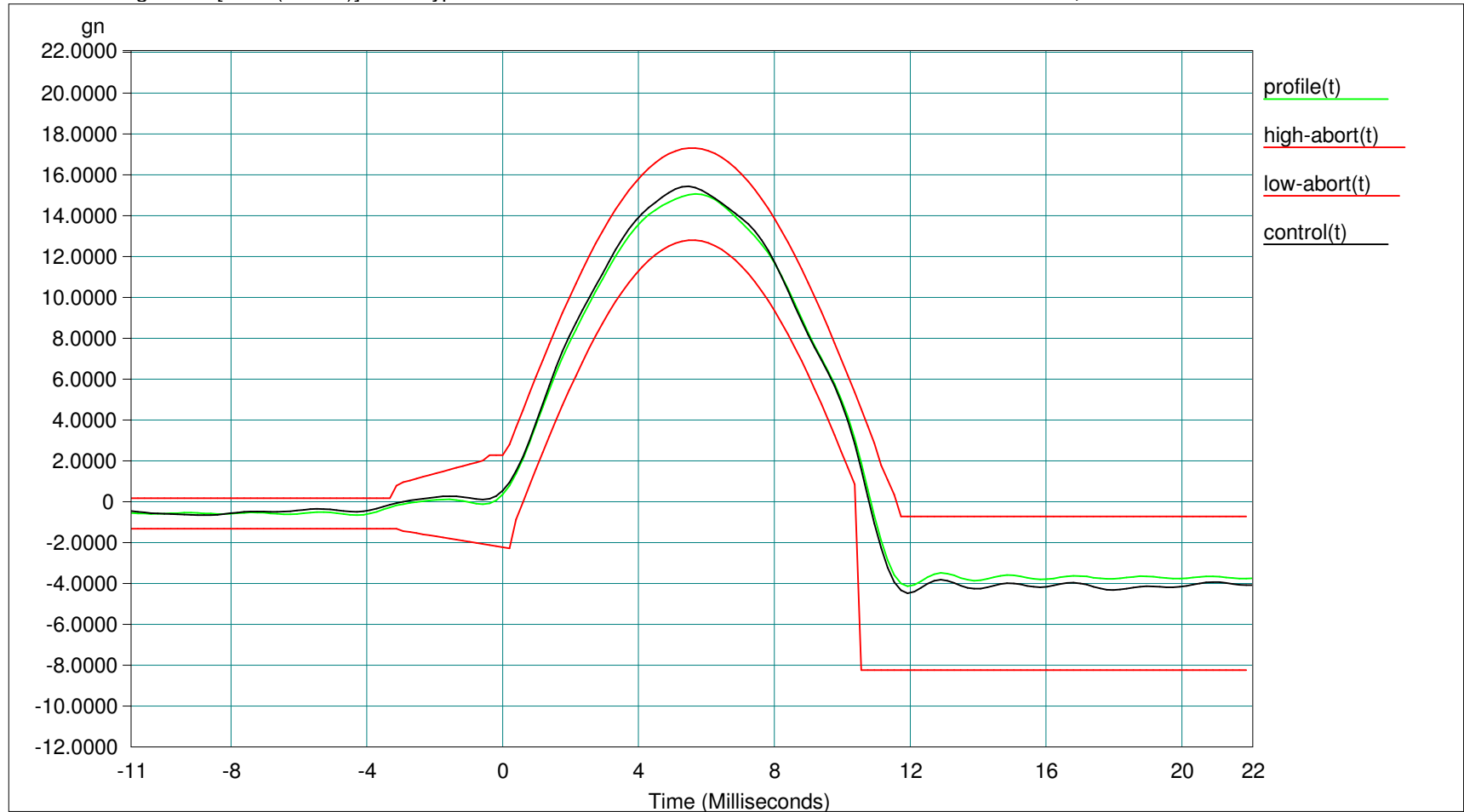
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Nov 28, 2017 11-58-25



Level: 100 % Block Size: 2048 Elapsed Pulses: 14
 Frame Time: 0.400000 Seconds Control Peak: 15.469190 Control RMS: 2.248096 Full Level Elapsed Pulses: 3
 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

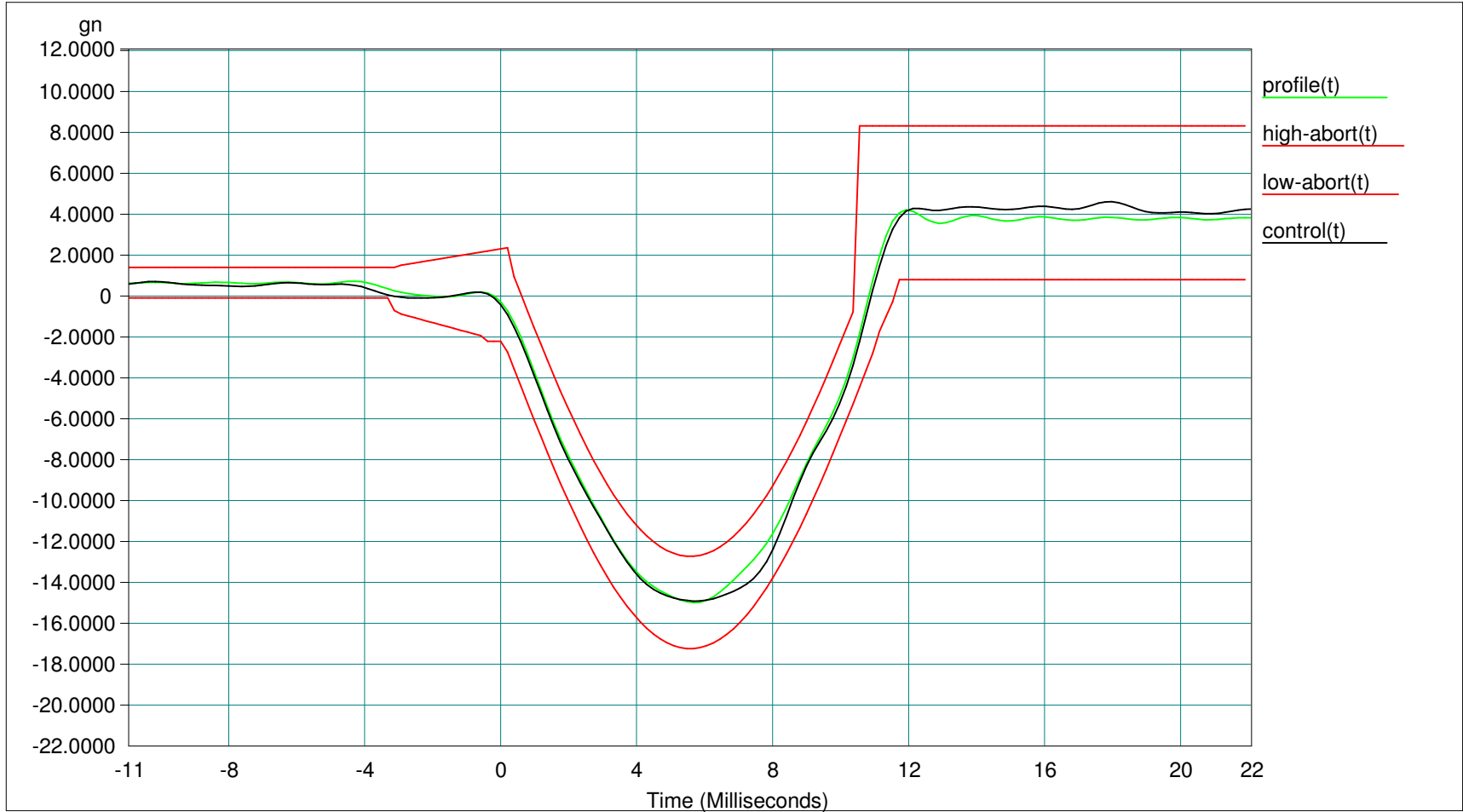
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Nov 28, 2017 14-47-19



Level: 100 % Block Size: 2048 Elapsed Pulses: 13
 Frame Time: 0.400000 Seconds Control Peak: 15.377222 Control RMS: 2.235473 Full Level Elapsed Pulses: 3
 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

-X axis - shock test

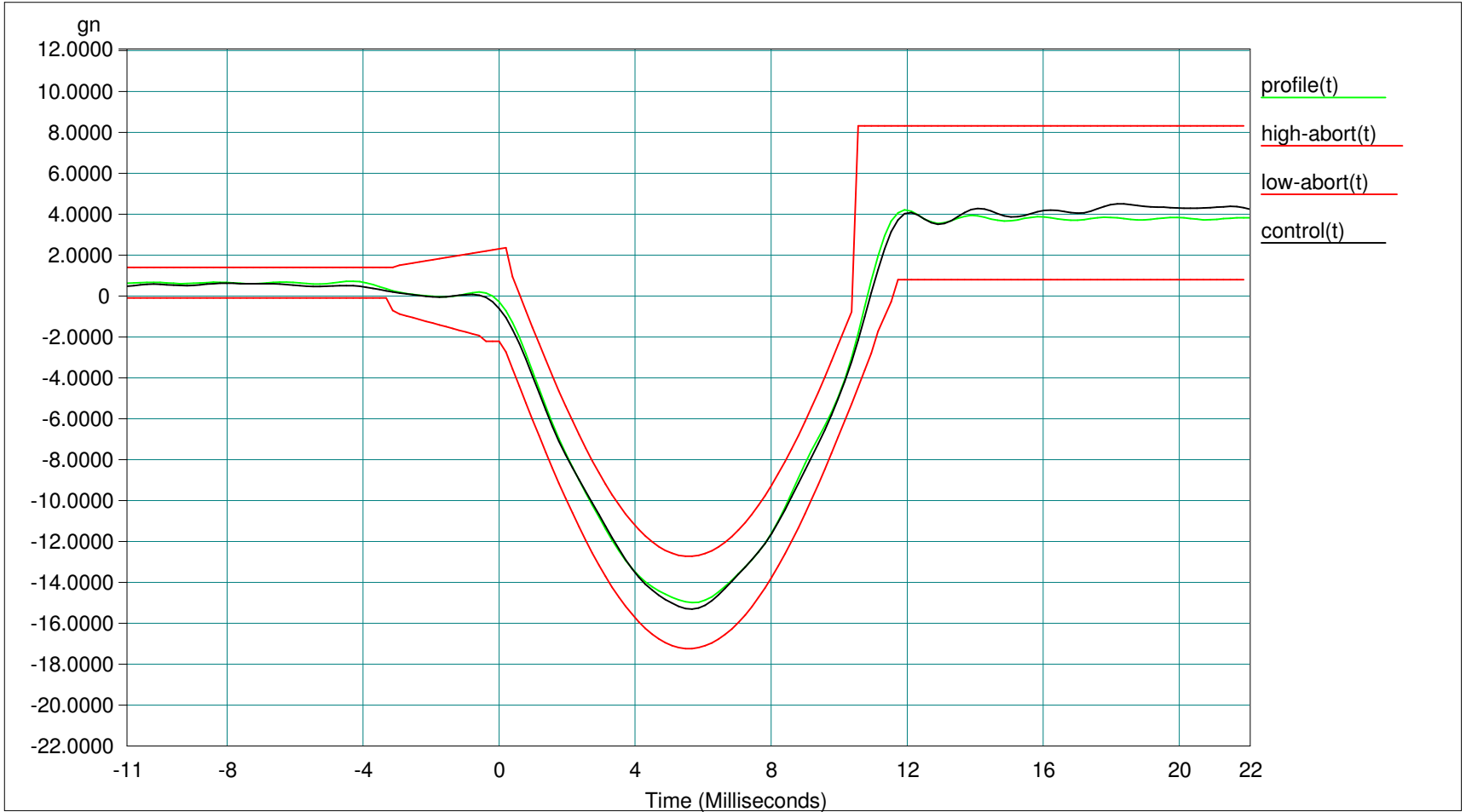
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Nov 28, 2017 13-14-42



Level: 100 % Block Size: 2048 Elapsed Pulses:20
 Frame Time: 0.400000 Seconds Control Peak: 14.927756 Control RMS: 2.239106 Full Level Elapsed Pulses: 3
 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

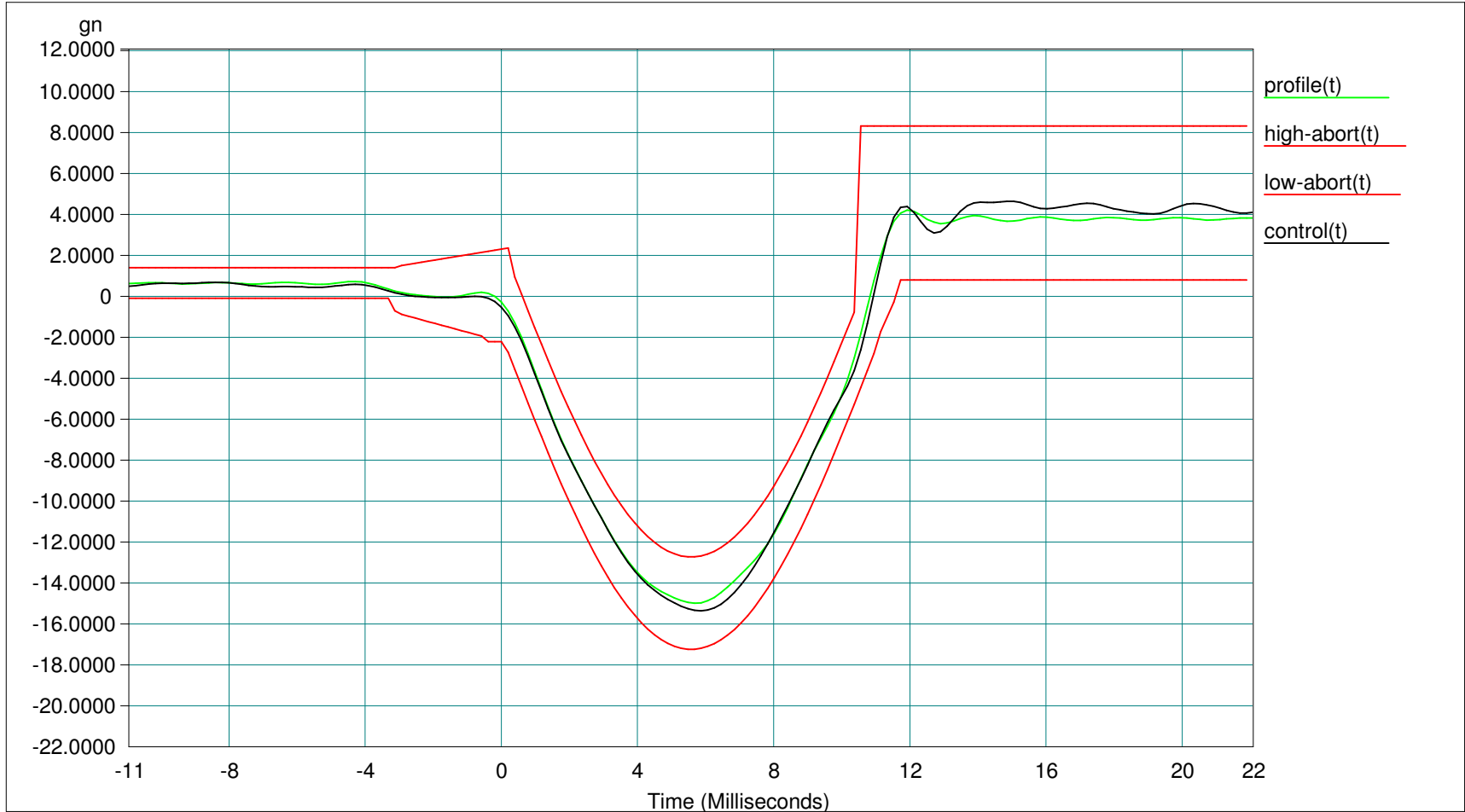
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Nov 28, 2017 11-58-25



Level: 100 % Block Size: 2048 Elapsed Pulses: 21
 Frame Time: 0.400000 Seconds Control Peak: 15.320795 Control RMS: 2.221682 Full Level Elapsed Pulses: 3
 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 Nov 28, 2017 14-47-19



Level: 100 % Block Size: 2048 Elapsed Pulses:20
 Frame Time: 0.400000 Seconds Control Peak: 15.373020 Control RMS: 2.230654 Full Level Elapsed Pulses: 3
 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 **END**