

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-170508-2

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 : TEP0500-IMX6 series

TEP1-i.MX6 UltraLite--- TEP1-IMX6UL

Power Expansion-L124---TXR-P1-24V-LAN1

DATE OF RECEIVED : 2017/05/04

DATE OF TESTED : 2017/05/04

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>Hsin Tai Chang</i>	
Approval Signatory <i>2017.6.10 David Lee</i>	Laboratory Head : <i>Hsin Tai Chang</i>

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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 : 60%RH (50±25% RH)

SPECIMEN :

Model/(S/N) : TEP0500-IMX6 series
TEP1-i.MX6 UltraLite--- TEP1-IMX6UL
Power Expansion-L124---TXR-P1-24V-LAN1

Quantity : 1 unit

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TESTING / INSPECTION REPORT

TEST SPECIFICATION :

Shock test (Operating)

Wave Form : Half sine wave

Acceleration : 15 g

Duration Time : 11 mS

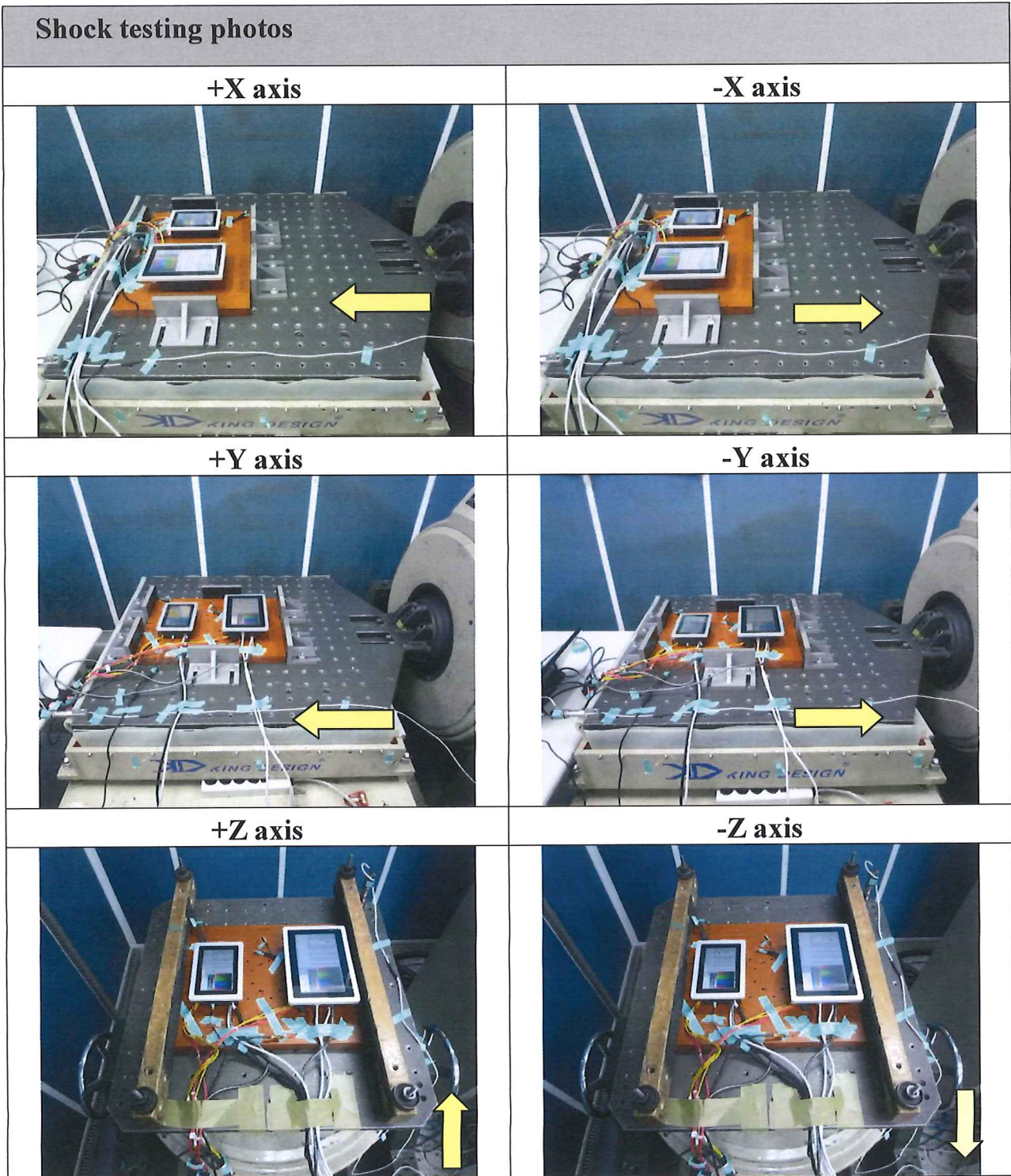
No. of Shock : 3 (Each Axis)

 Shock Direction : $\pm X$, $\pm Y$, $\pm Z$ axis

TEST RESULT :

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

TESTING / INSPECTION REPORT

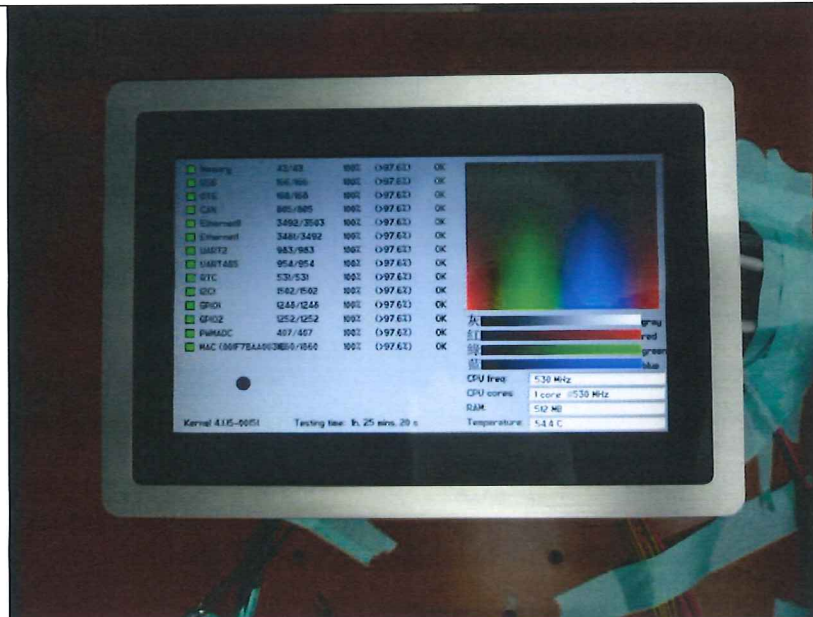


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TESTING / INSPECTION REPORT

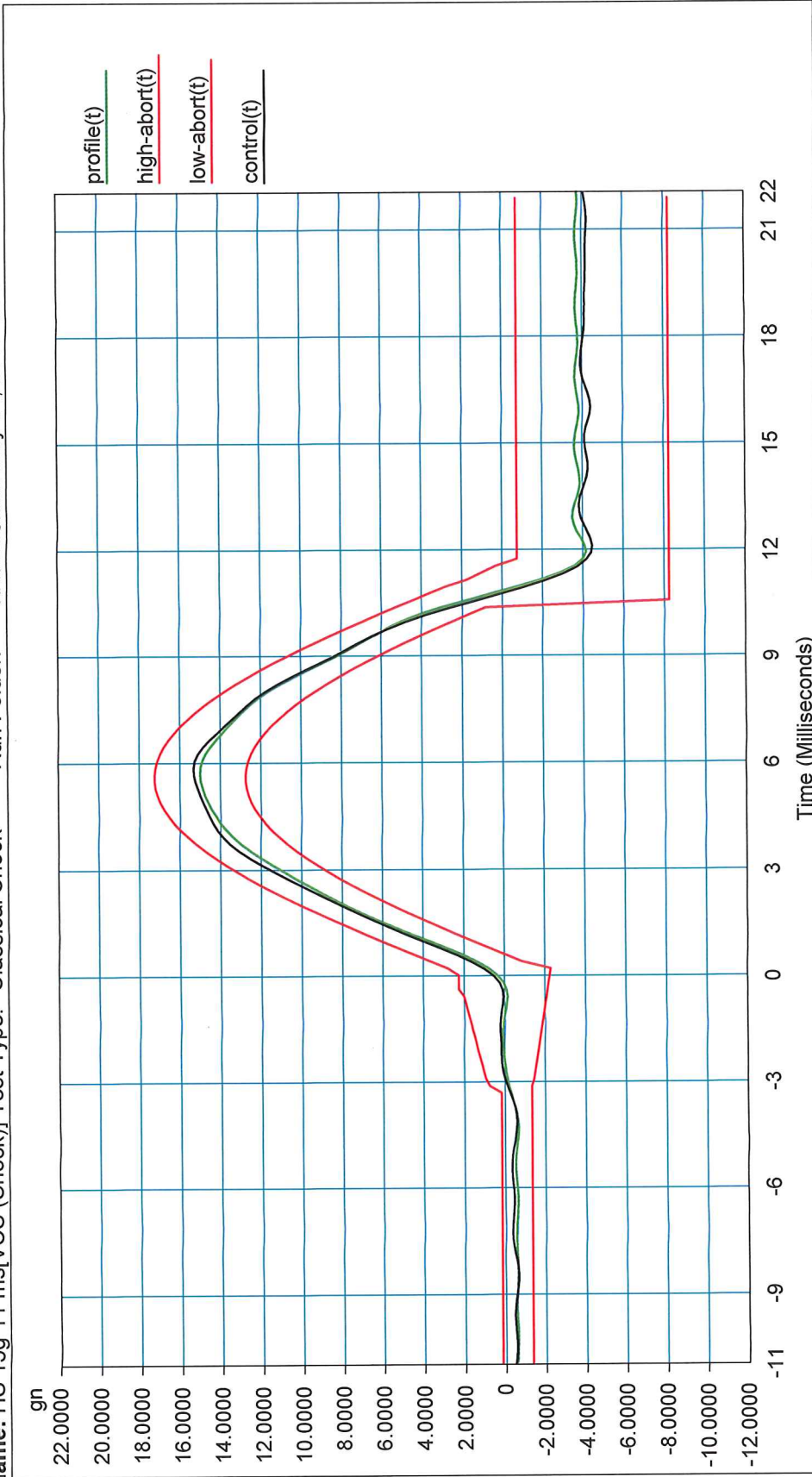
Testing photos

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 May 04, 2017 12-57-12

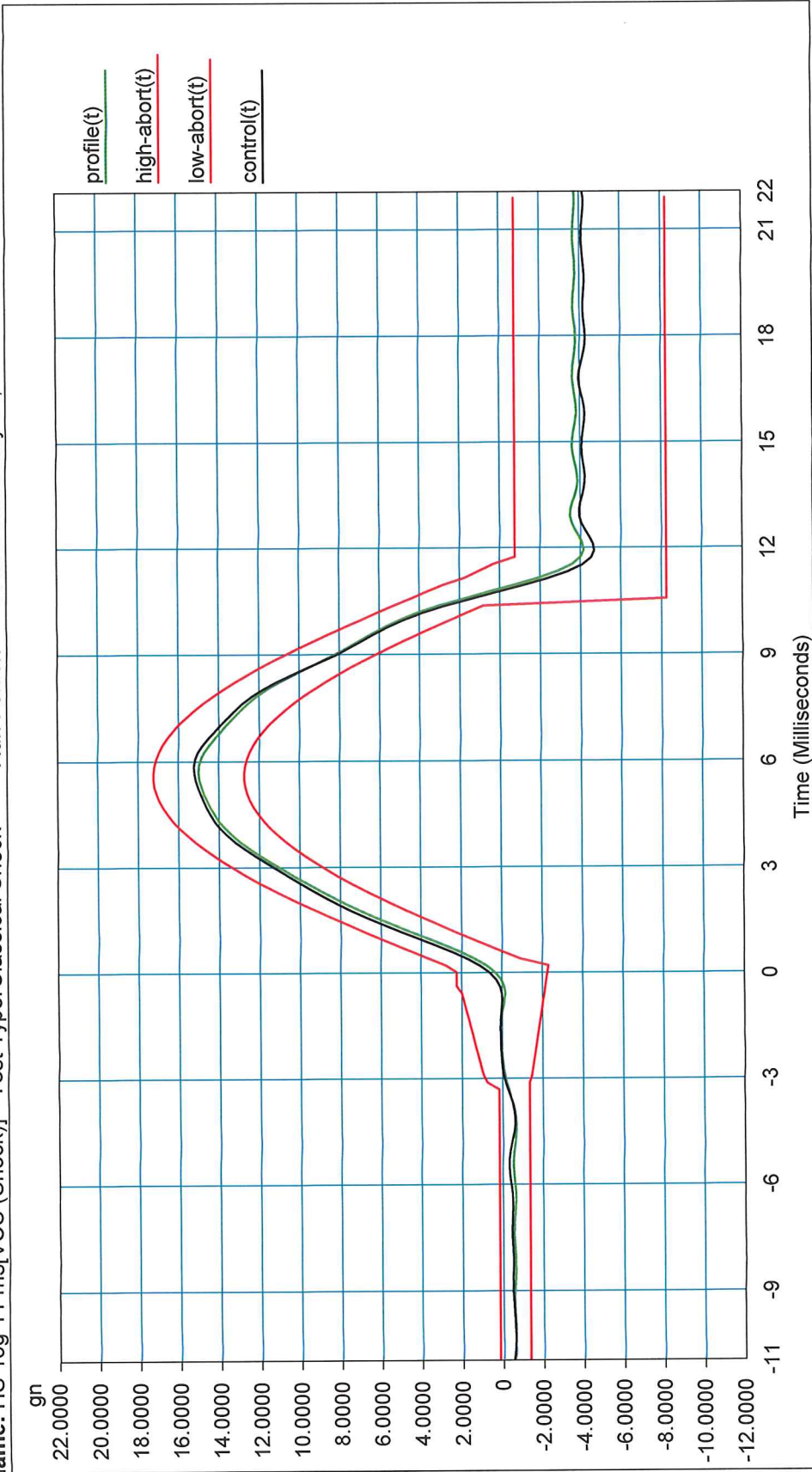


Level: 100 % Block Size: 2048 Elapsed Pulses: 7
 Frame Time: 0.400000 Seconds Control Peak: 15.313007 Control RMS: 2.245765 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms



+Y axis - shock test

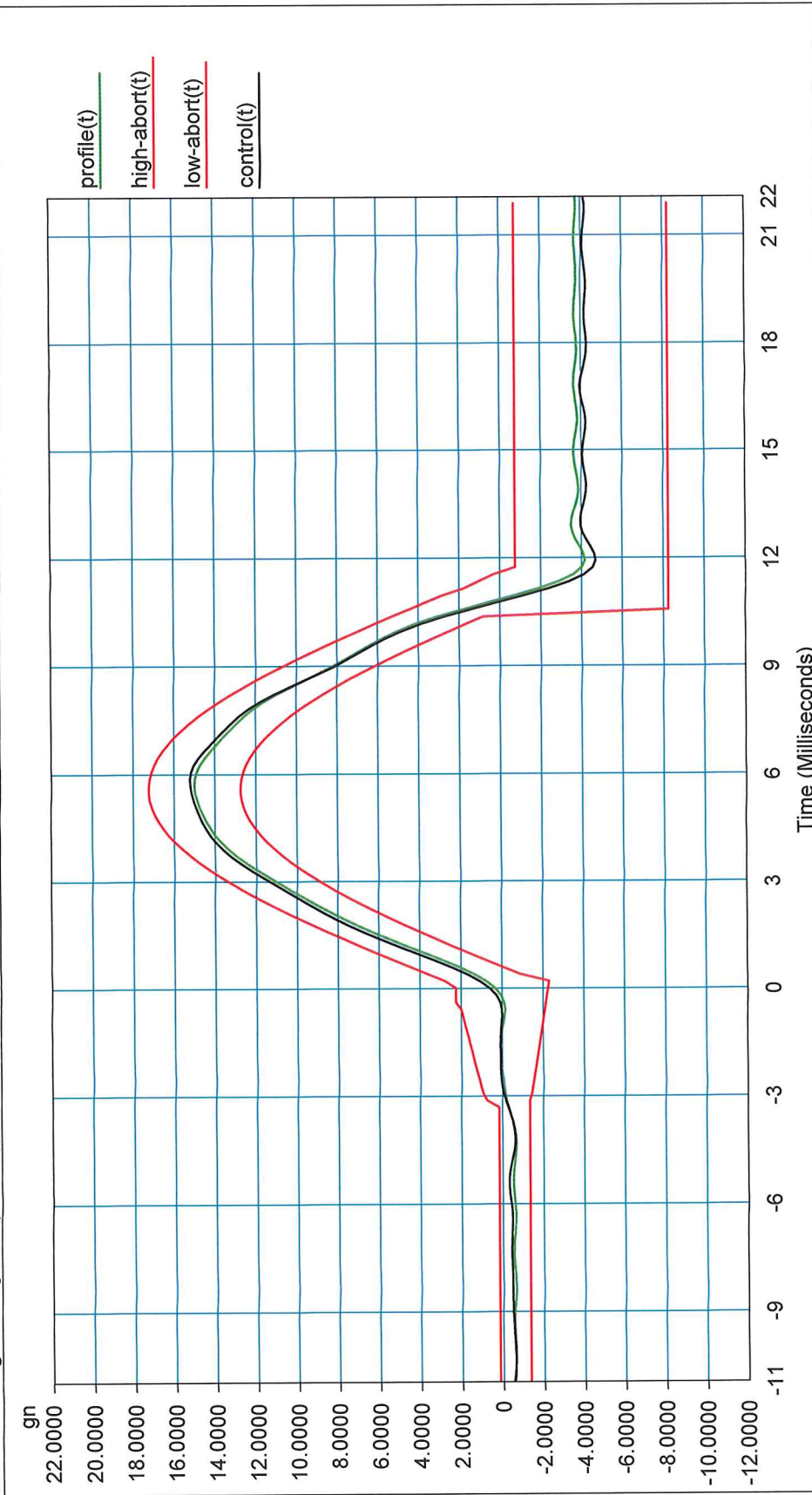
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault May 04, 2017 11-37-12



Level: 100 % Block Size: 2048 Elapsed Pulses: 7
 Frame Time: 0.400000 Seconds Control Peak: 16.470039 Control RMS: 2.249441 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.168497 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 May 04, 2017 14-27-24

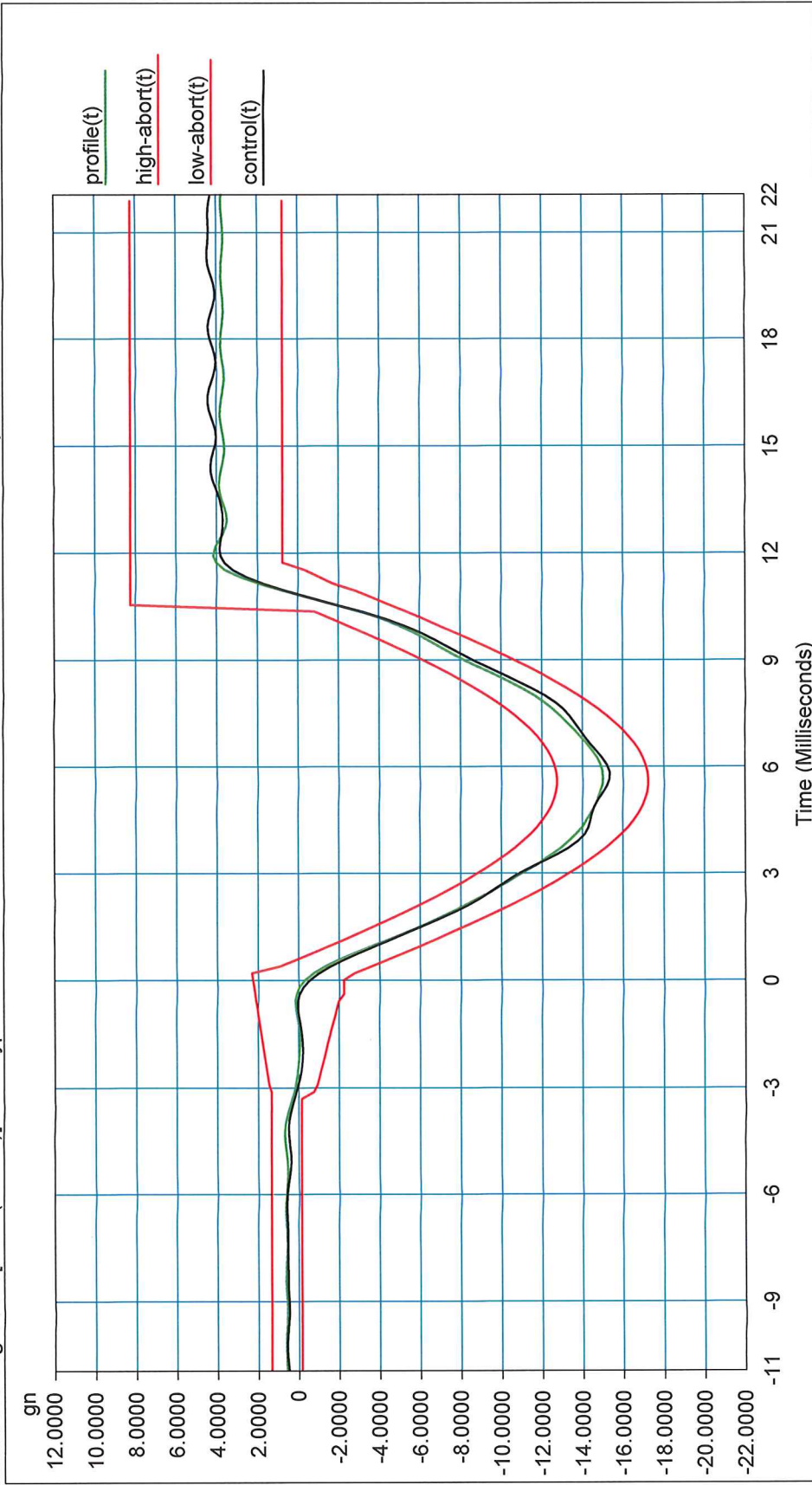


Level: 100 % Block Size: 2048 Elapsed Pulses:7
 Frame Time: 0.40000 Seconds Control Peak: 15.240014 Control RMS: 2.234565 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms



-X axis - shock test

Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .RunDefault May 04, 2017 12-57-12

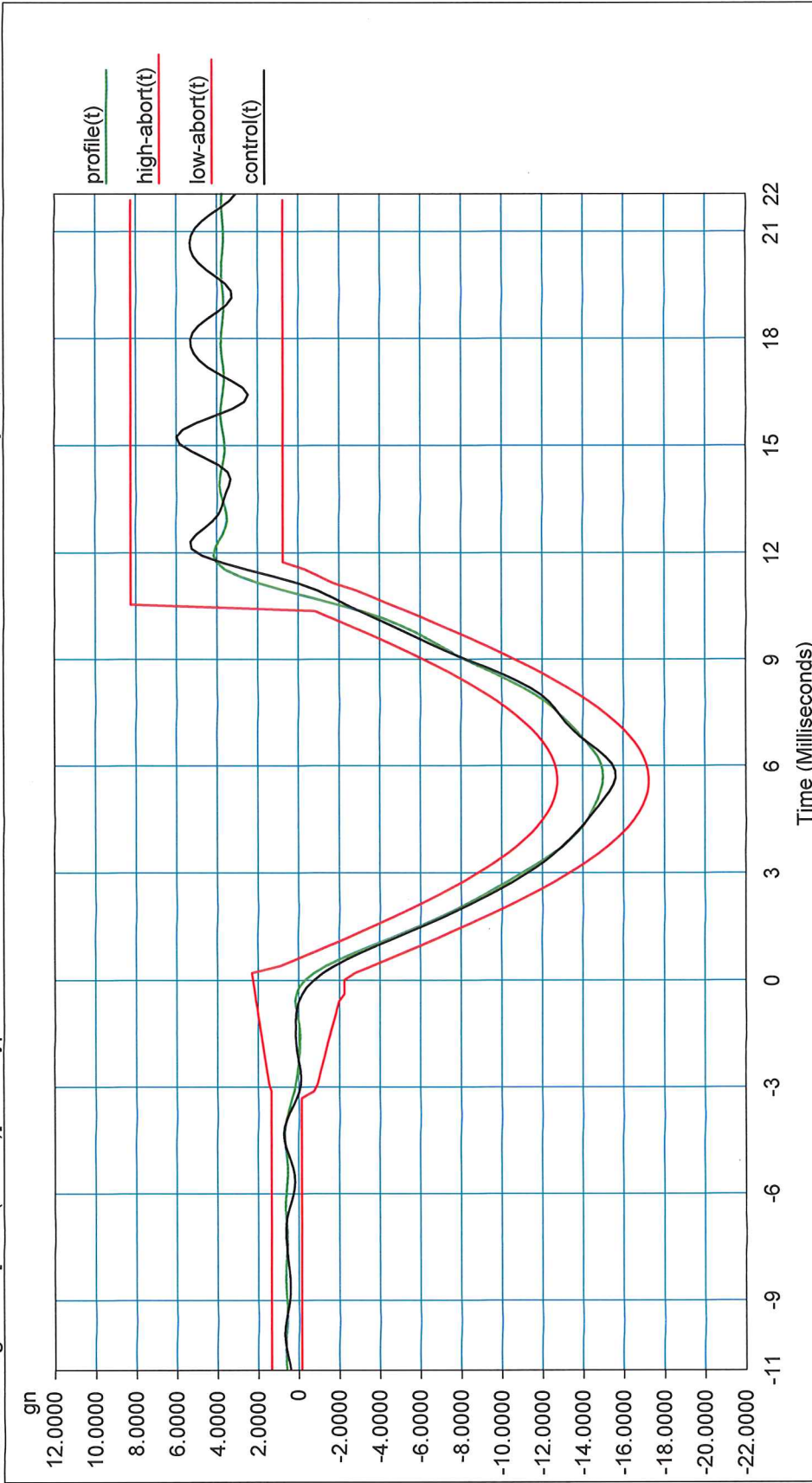


Level: 100 % Block Size: 2048 Elapsed Pulses: 7
 Frame Time: 0.400000 Seconds Control Peak: 15.346950 Control RMS: 2.238883 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.156666 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms



-Y axis - shock test

Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault May 04, 2017 11-37-12

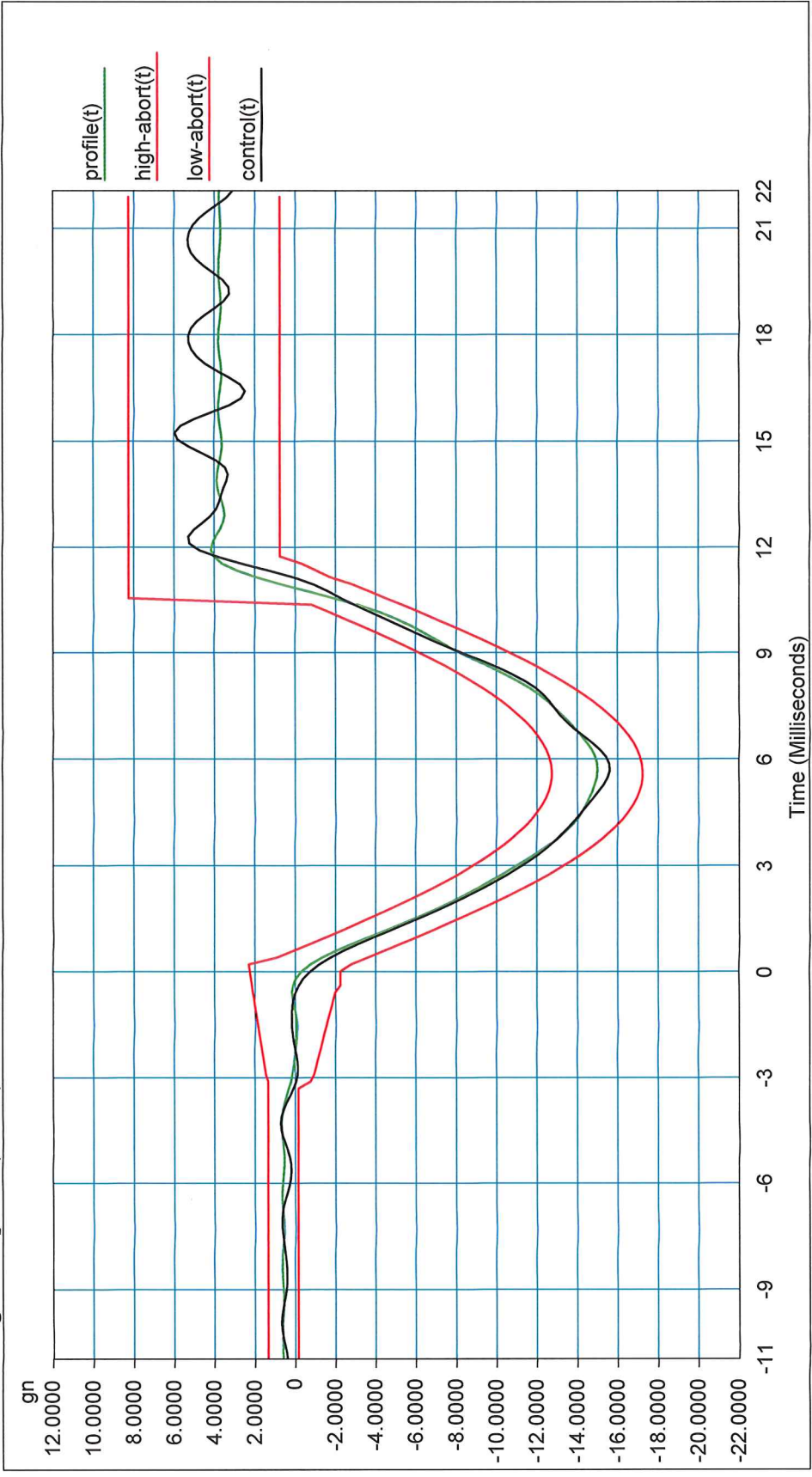


Level: 100 % Block Size: 2048 Elapsed Pulses: 7
 Frame Time: 0.400000 Seconds Control Peak: 18.034822 Control RMS: 2.249808 Full Level Elapsed Pulses: 3
 dT: 0.000195 Seconds Demand Peak: 14.999999 Demand RMS: 2.168497 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 14.999999 Pulse Width: 11.000000 ms



-Z axis - shock test

Test Name: HS 15g 11 ms[VCS (Shock) Test Type: Classical Shock Run Folder: .RunDefault May 04, 2017 14-27-24



Level: 100 % Block Size: 2048 Elapsed Pulses: 7
 Frame Time: 0.400000 Seconds Control Peak: 15.604080 Control RMS: 2.237137 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

