

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-170119-1

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 : TEP1560-IMX6 series

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

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

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

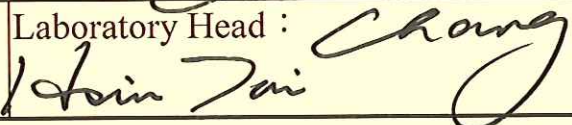
DATE OF RECEIVED : 2016/12/23

DATE OF TESTED : 2016/12/23

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

Test Engineer : 	
Approval Signatory : 	Laboratory Head : 

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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 : 63%RH (50±25% RH)

SPECIMEN :

Model/(S/N) : TEP1560-IMX6 series
TEP5-i.MX6 Quad --- TEP5-IMX6Q
Power Expansion-LPOE --- TXR-P1-12V-POE1
I/O Expansion-XG20 --- TXR-I2-GS2-GC2-GG8

Quantity : 1 units

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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

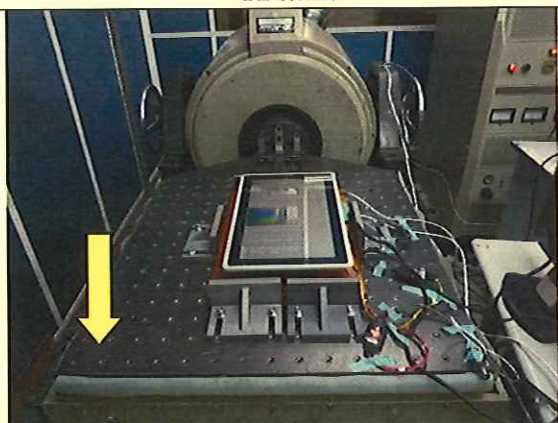
TEST RESULT :

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

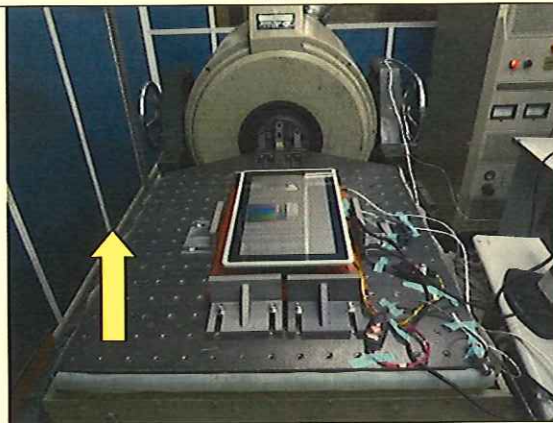
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Shock testing photos

+X axis



-X axis



+Y axis



-Y axis



+Z axis



-Z axis



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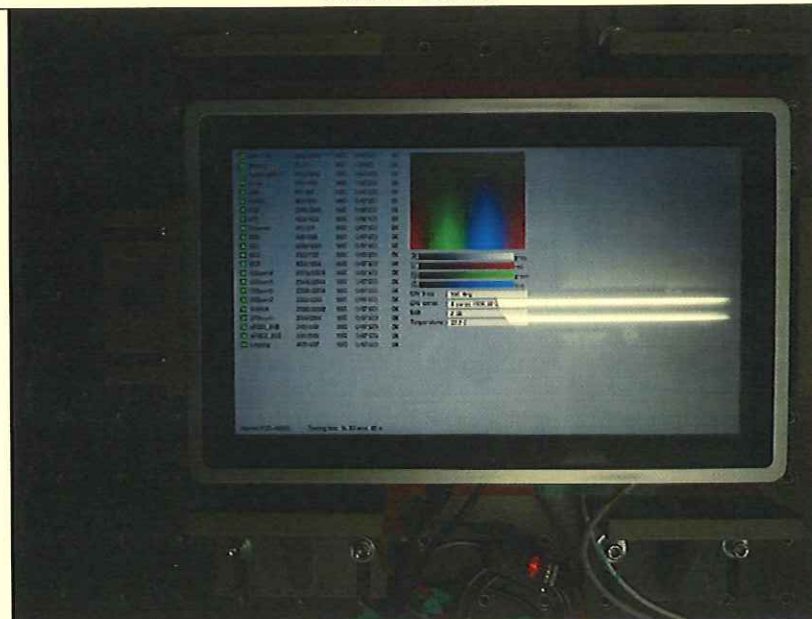
VIBRATION LABORATORY
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TESTING / INSPECTION REPORT

Testing photos

After test-1

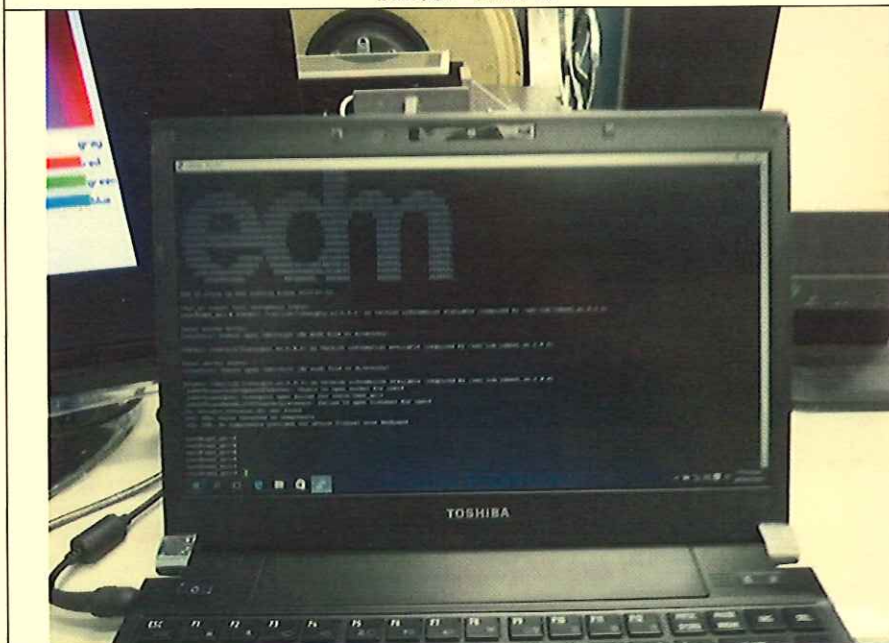
After test-2


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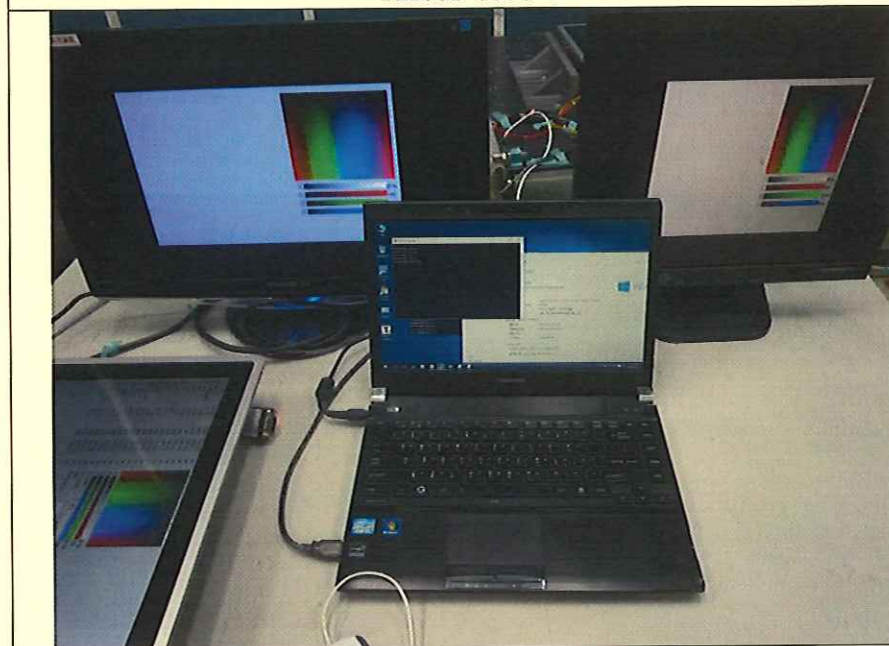
TESTING / INSPECTION REPORT

Testing photos

After test-3

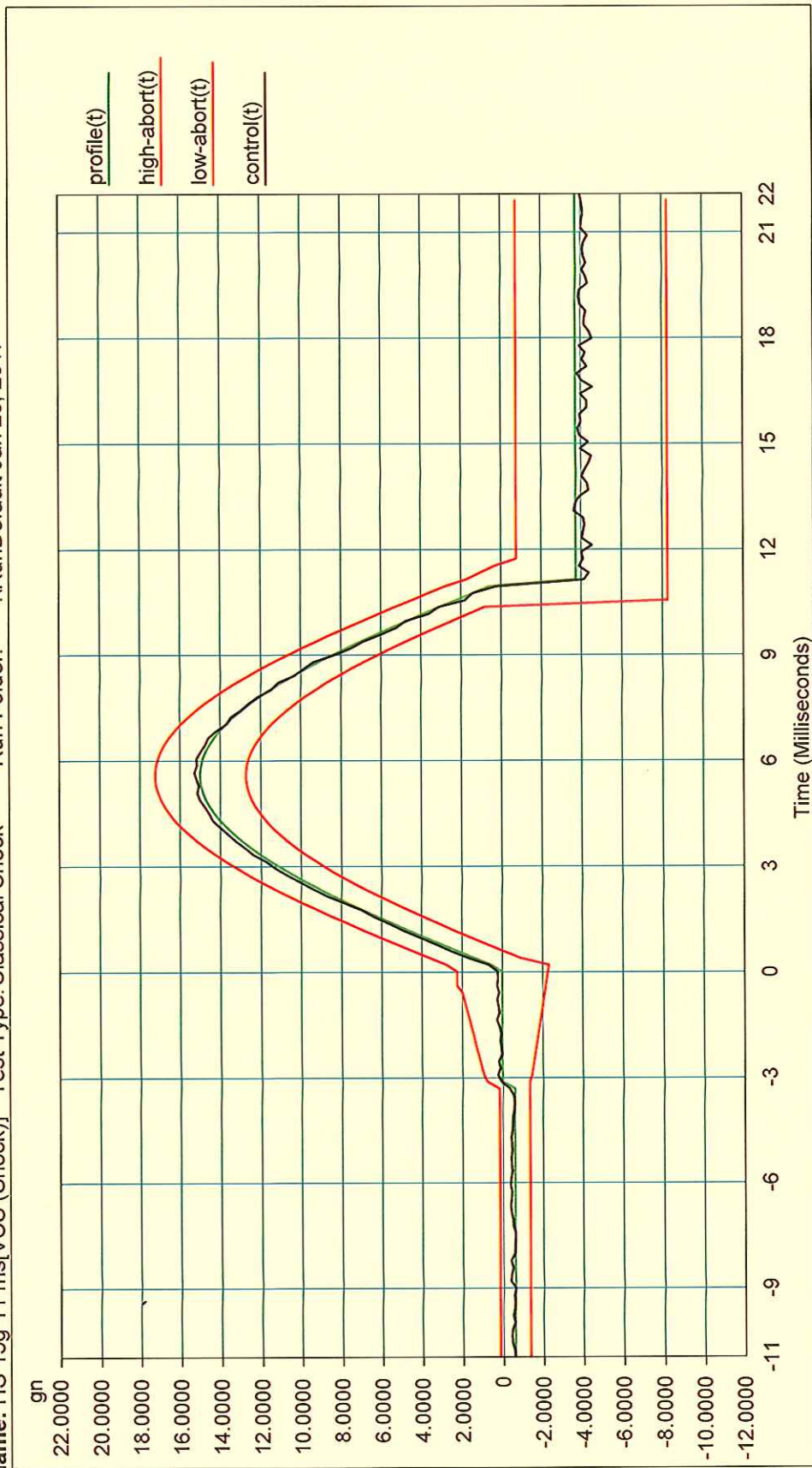


After test-4



+X axis - shock test

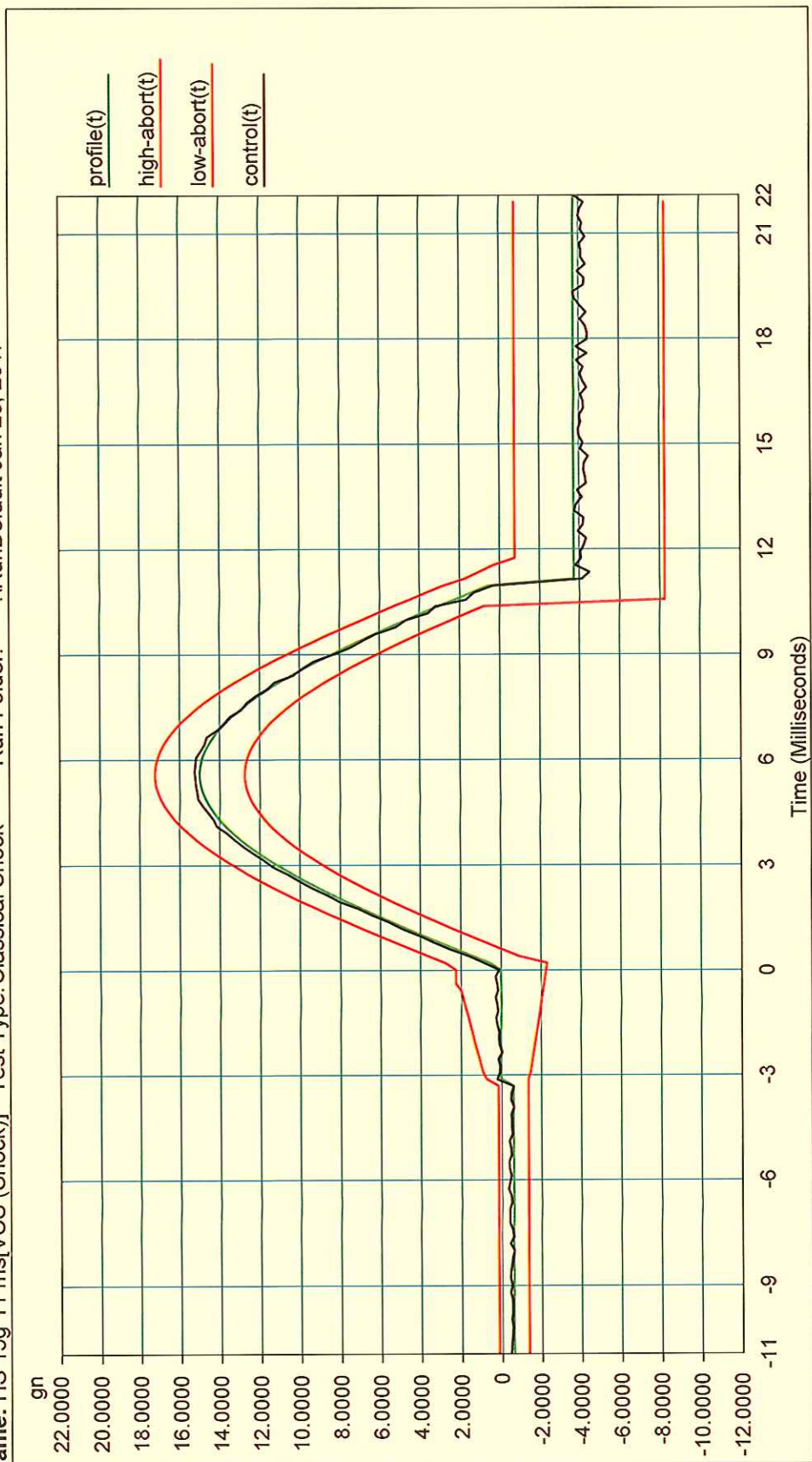
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level: 100 % Block Size: 2048 Elapsed Pulses: 5
 Frame Time: 0.400000 Seconds Control Peak: 15.281479 Control RMS: 2.240758 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

+Y axis - shock test

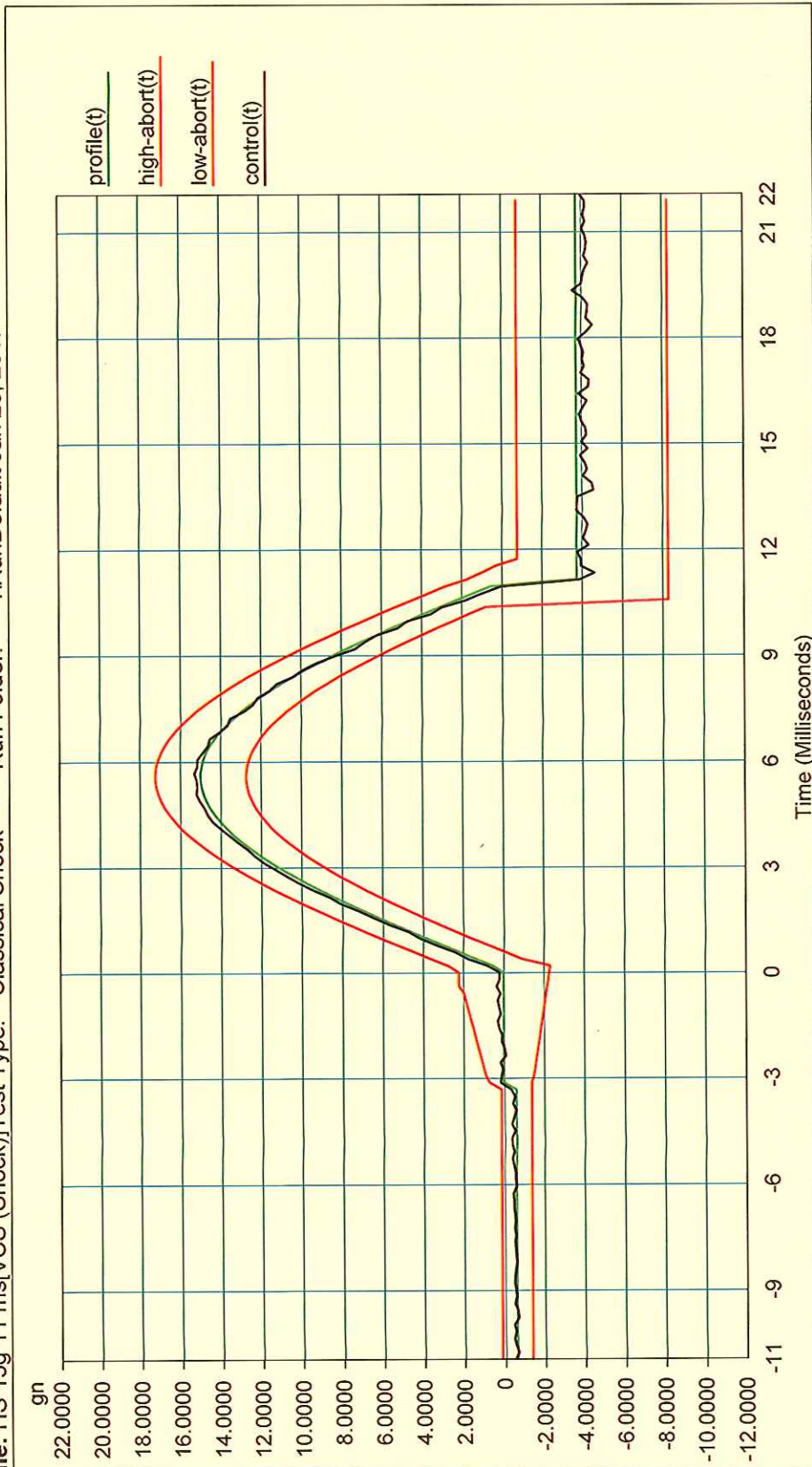
Test Name: HS 15g 11 ms[VCS (Shock)] Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level:	100 %	Block Size:	2048	Elapsed Pulses:	5
Frame Time:	0.400000 Seconds	Control Peak:	15.251526	Control RMS:	2.242539
dT:	0.000195 Seconds	Demand Peak:	14.999999	Demand RMS:	2.168497
Pulse Type:	Half Sine	Amplitude:	14.999999	Pulse Width:	11.000000 ms

+Z axis - shock test

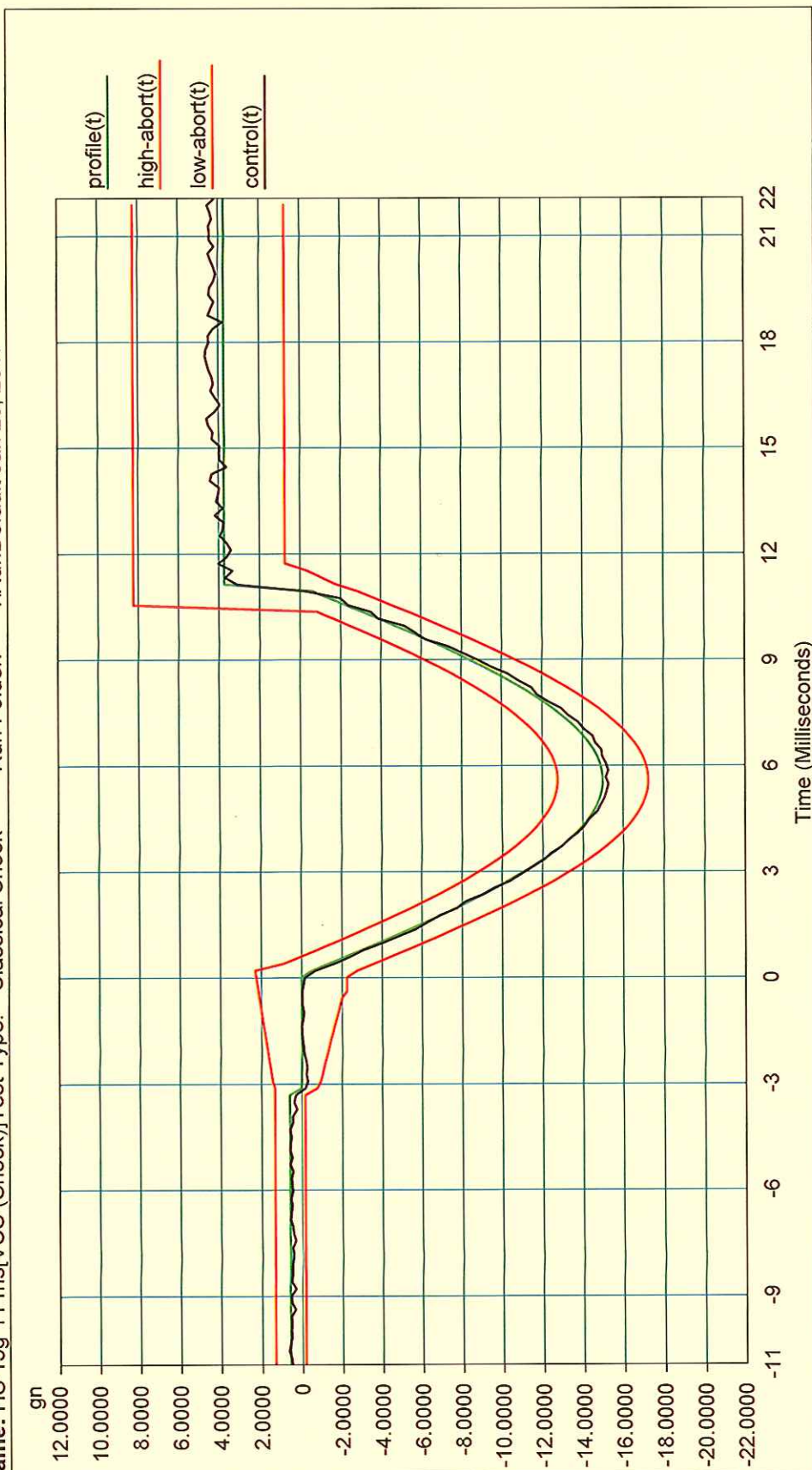
Test Name: HS 15g 11 ms[VCS (Shock)]Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level: 100 % Block Size: 2048 Elapsed Pulses:5
 Frame Time: 0.400000 Seconds Control Peak: 15.323879 Control RMS: 2.240871 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

-X axis - shock test Test

Test Name: HS 15g 11 ms[VCS (Shock)]Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level: 100 % Block Size: 2048 Elapsed Pulses: 5
 Frame Time: 0.400000 Seconds Control Peak: 15.265885 Control RMS: 2.238592 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

-Y axis - shock test Test

Test Name: HS 15g 11 ms[VCS (Shock) Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level: 100 %
Block Size: 2048
Elapsed Pulses: 5

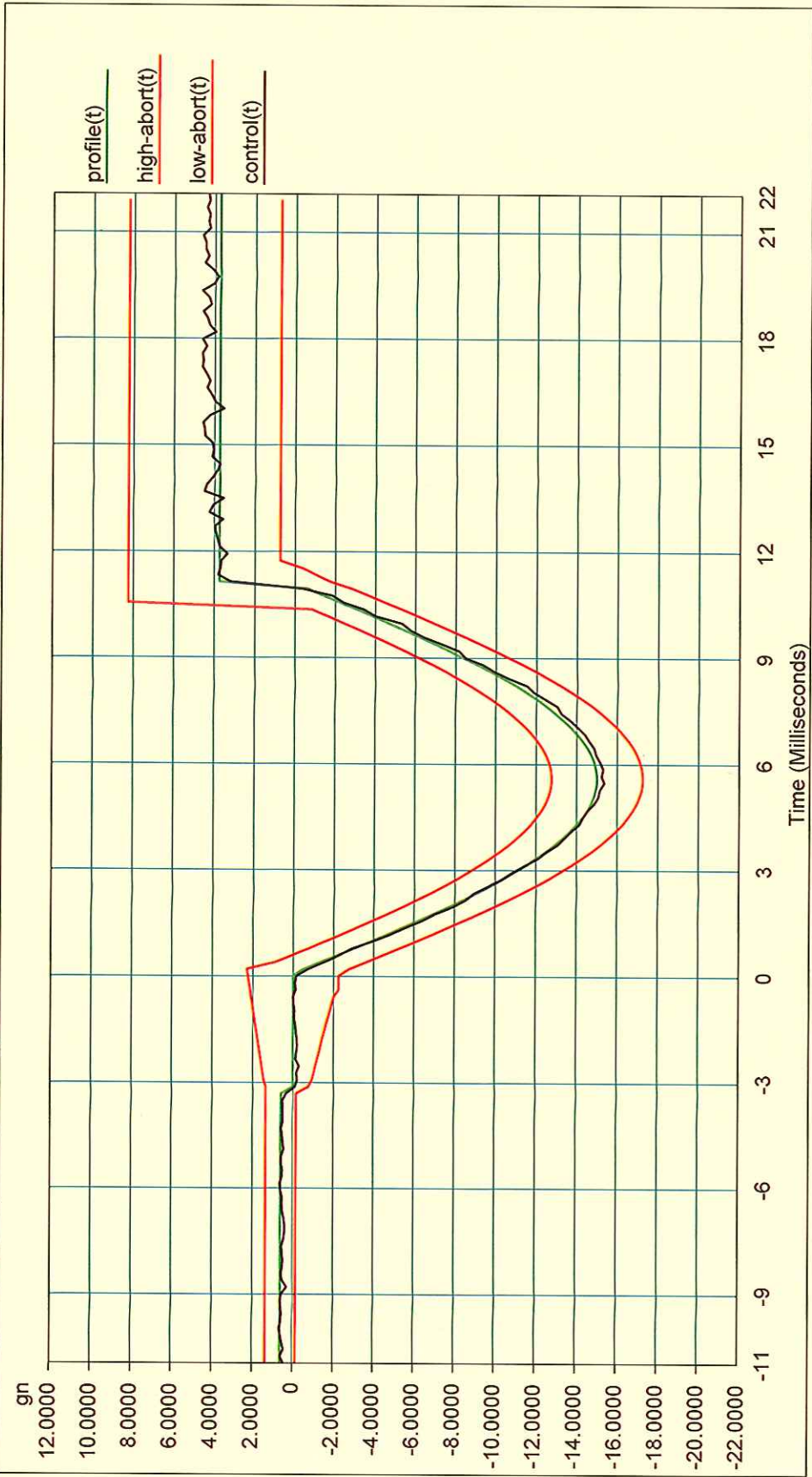
Frame Time: 0.400000 Seconds
Control Peak: 15.286695
Control RMS: 2.239892
Full Level Elapsed Pulses: 3

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

Test Name: HS 15g 11 ms[VCS (Shock) Test Type: Classical Shock Run Folder: .\RunDefault Jan 23, 2017



Level:	100 %	Block Size:	2048	Elapsed Pulses:	5
Frame Time:	0.400000 Seconds	Control Peak:	15.344318	Control RMS:	2.238869
dT:	0.000195 Seconds	Demand Peak:	14.999999	Demand RMS:	2.168497
Pulse Type:	Half Sine	Amplitude:	14.999999	Pulse Width:	11.000000 ms
Full Level Elapsed Pulses: 3					
Remaining Pulses: 0					
-END-					

