

KING DESIGN INDUSTRIAL CO., LTD.**VIBRATION TEST LABORATORY**

4F, NO. 3, Lane 270, Pei Shen Road Sec. 3,

<http://www.kdi.tw>

Shen Keng Dist., New Taipei City, 222, Taiwan, R.O.C

<http://www.vibration.com.tw>

TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

E-mail: service@kdi.tw**TESTING / INSPECTION REPORT**

REPORT NO : ST-140331-3

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 : AHP-1123 (With HDD)

DATE OF RECEIVED : 2014/03/31

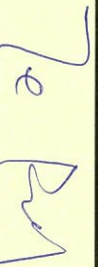
DATE OF TESTED : 2014/03/31

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.

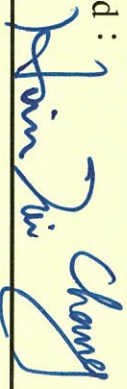
Test Engineer :



Approval Signatory :



Laboratory Head :



TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

1. Vibration Tester : KING DESIGN KD-9363EM-600F2K-50N120,
S/N : KDS11054783
2. Controller : DACTRON COMET USB, S/N : 9478158
3. Control Accelerometer : Wilcoxon Research WR-777, S/N : 4208

TEST ENVIRONMENT :

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

SPECIMEN :

Model : AHP-1123 (With HDD)
Quantity : 1 unit

TEST SPECIFICATION :*As per applicant's requirement*

Shock test (Operating)
Wave Form : Half Sine wave
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.



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TESTING / INSPECTION REPORT

Testing photos

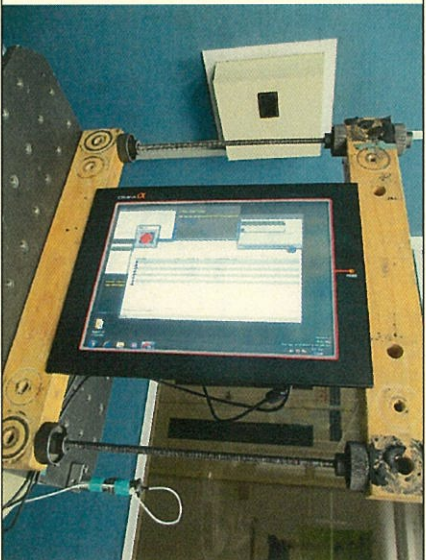
Tester



TESTING / INSPECTION REPORT

Testing photos

+X axis



-X axis



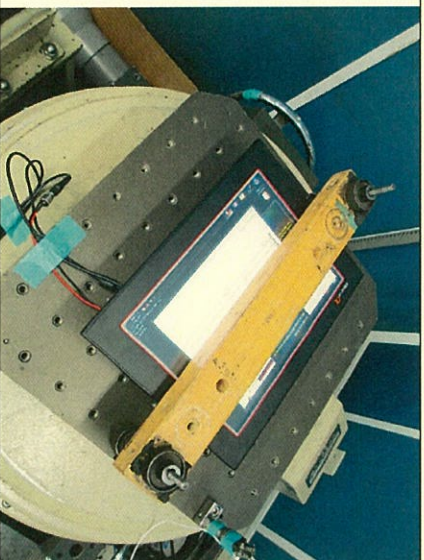
+Y axis



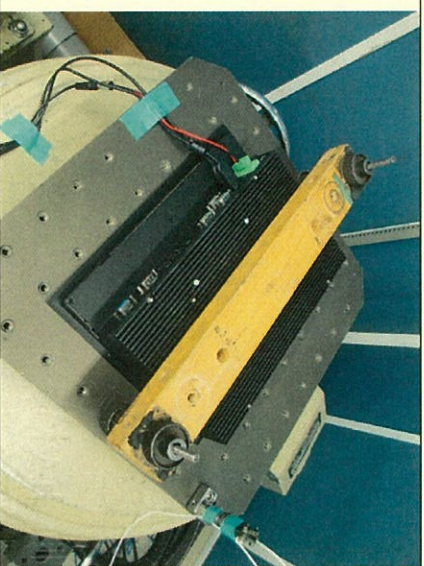
-Y axis



+Z axis



-Z axis





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TESTING / INSPECTION REPORT

Testing photos

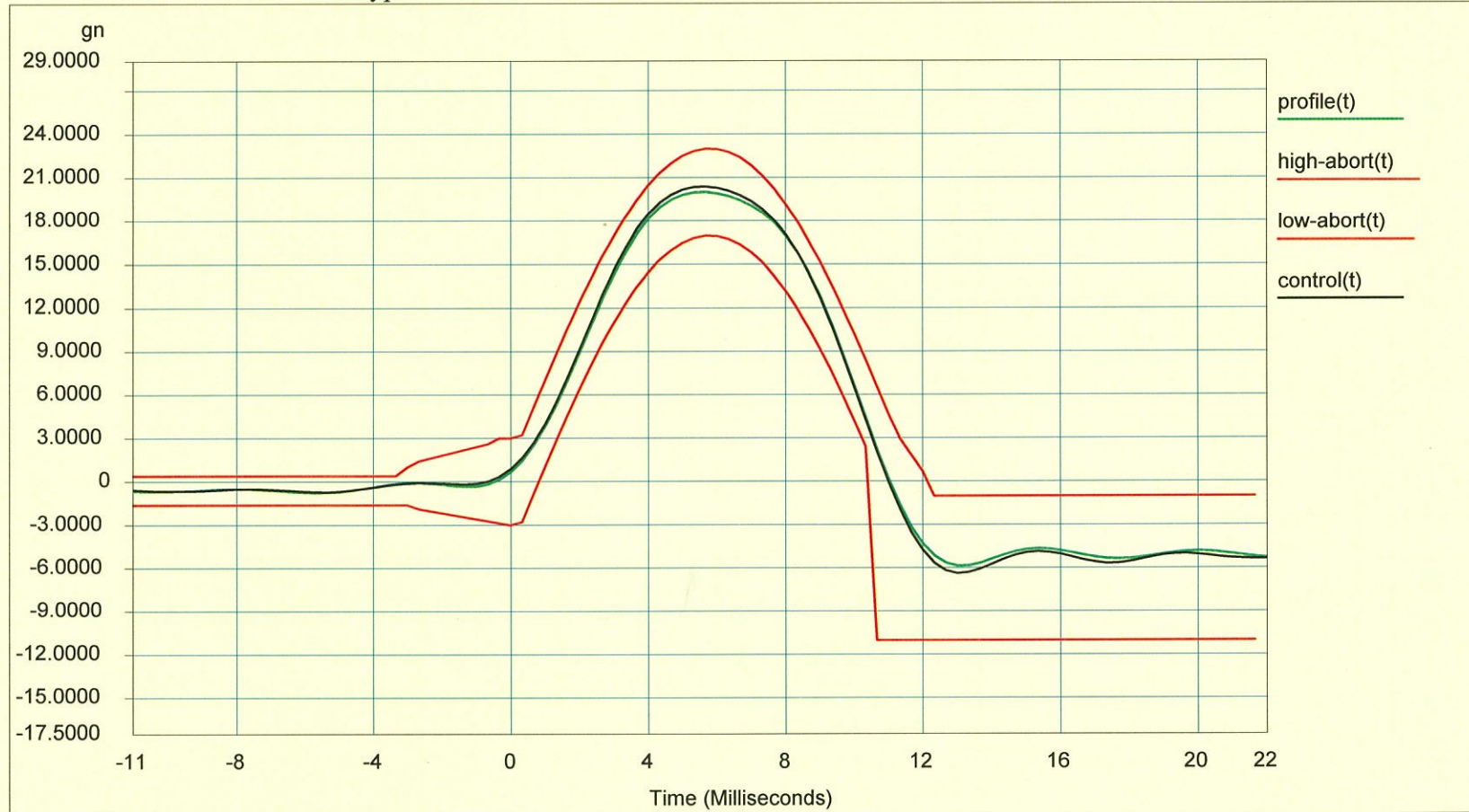
After test



+X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Mar 31, 2014 11-48-38

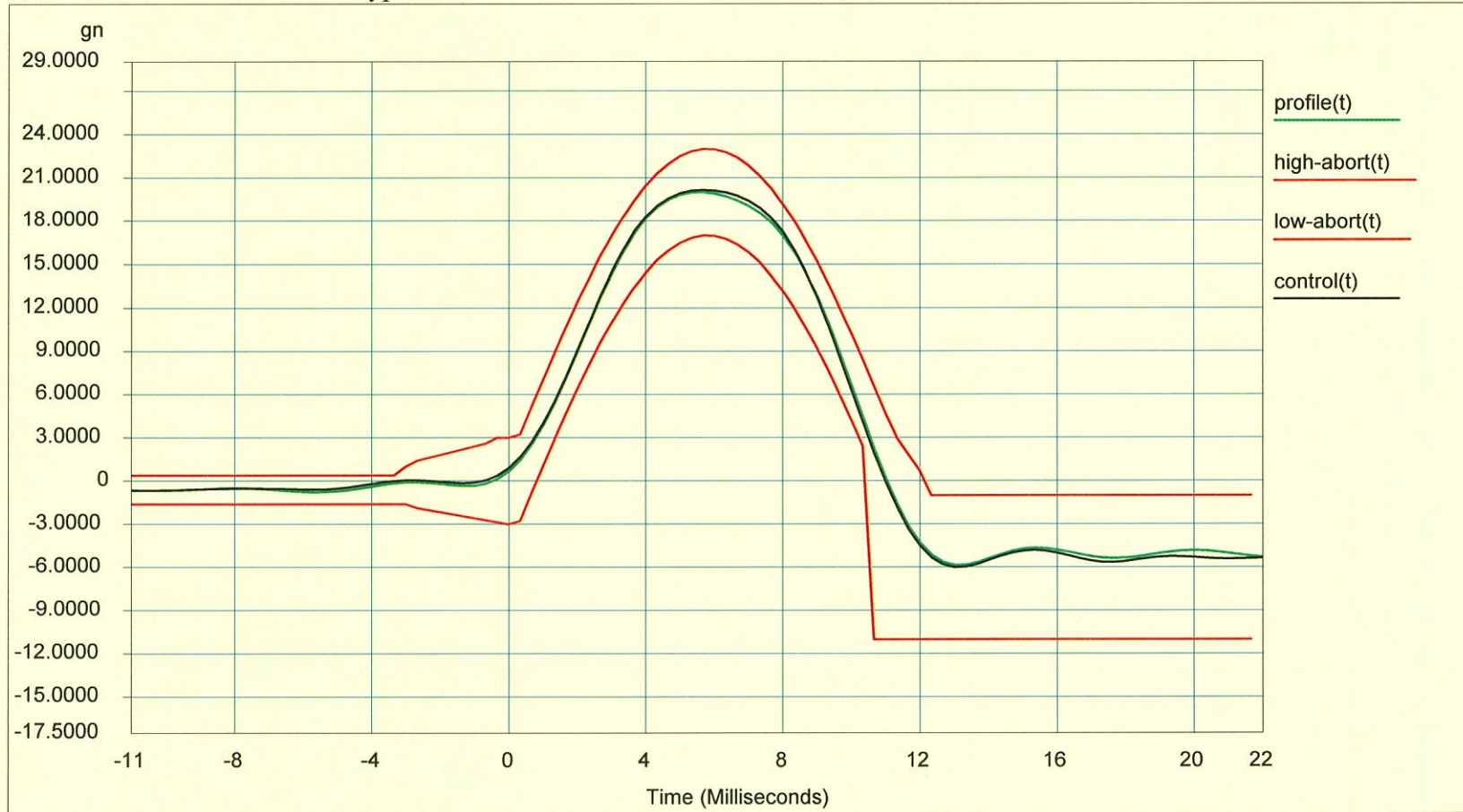


Level: 100 %	Block Size: 2048	Elapsed Pulses: 12	
Frame Time: 0.682667 Seconds	Control Peak: 20.364574	Control RMS: 2.291769	Full Level Elapsed Pulses: 3
dT: 0.000333 Seconds	Demand Peak: 20.000000	Demand RMS: 2.246654	Remaining Pulses: 0
Pulse Type: Half Sine	Amplitude: 20.000000	Pulse Width: 11.000000 ms	

-X axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Mar 31, 2014 11-56-40

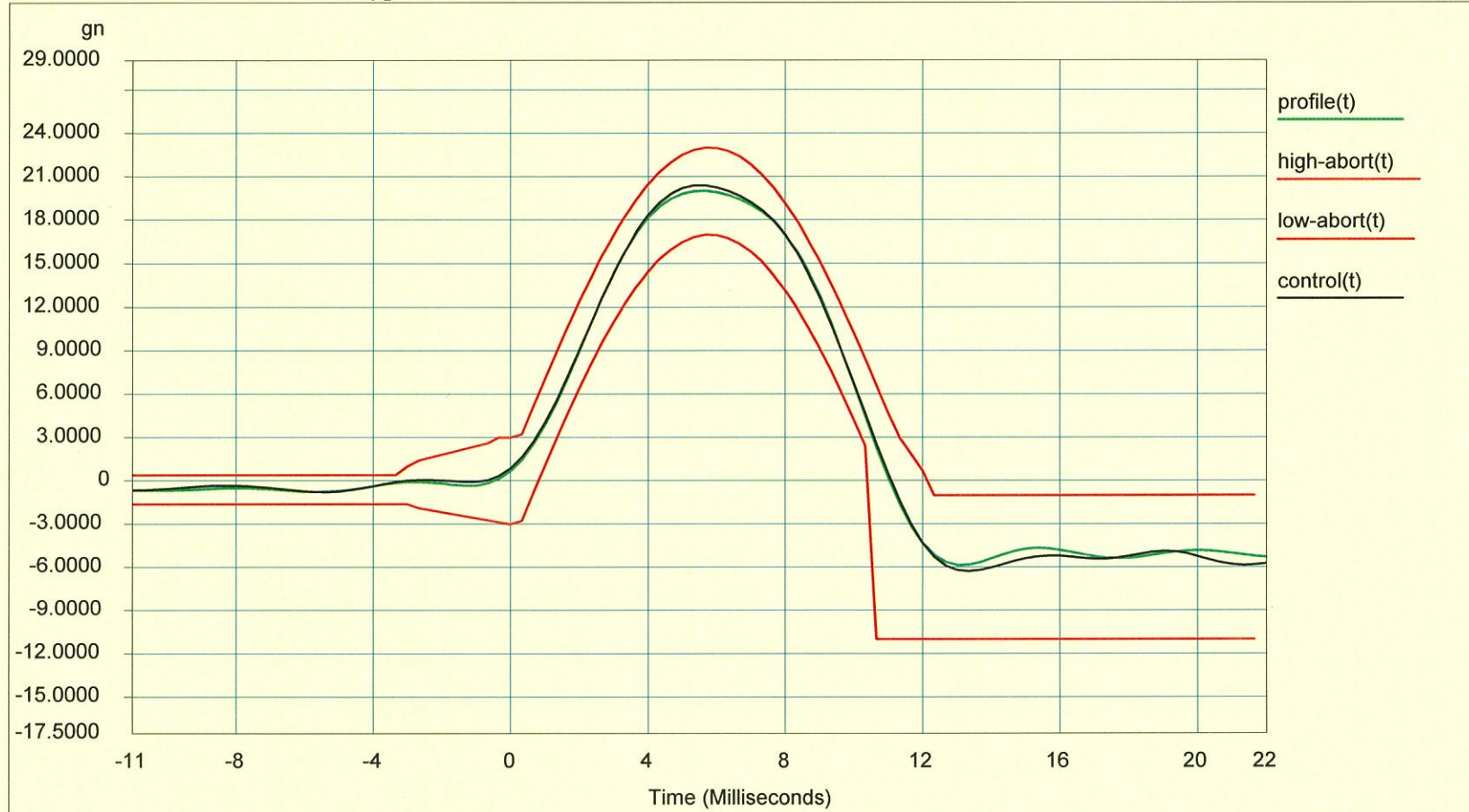


Level: 100 %	Block Size: 2048	Elapsed Pulses: 12	
Frame Time: 0.682667 Seconds	Control Peak: 20.126163	Control RMS: 2.283794	Full Level Elapsed Pulses: 3
dT: 0.000333 Seconds	Demand Peak: 20.000000	Demand RMS: 2.246654	Remaining Pulses: 0
Pulse Type: Half Sine	Amplitude: 20.000000	Pulse Width: 11.000000 ms	

+Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: \RunDefault Mar 31, 2014 11-38-39

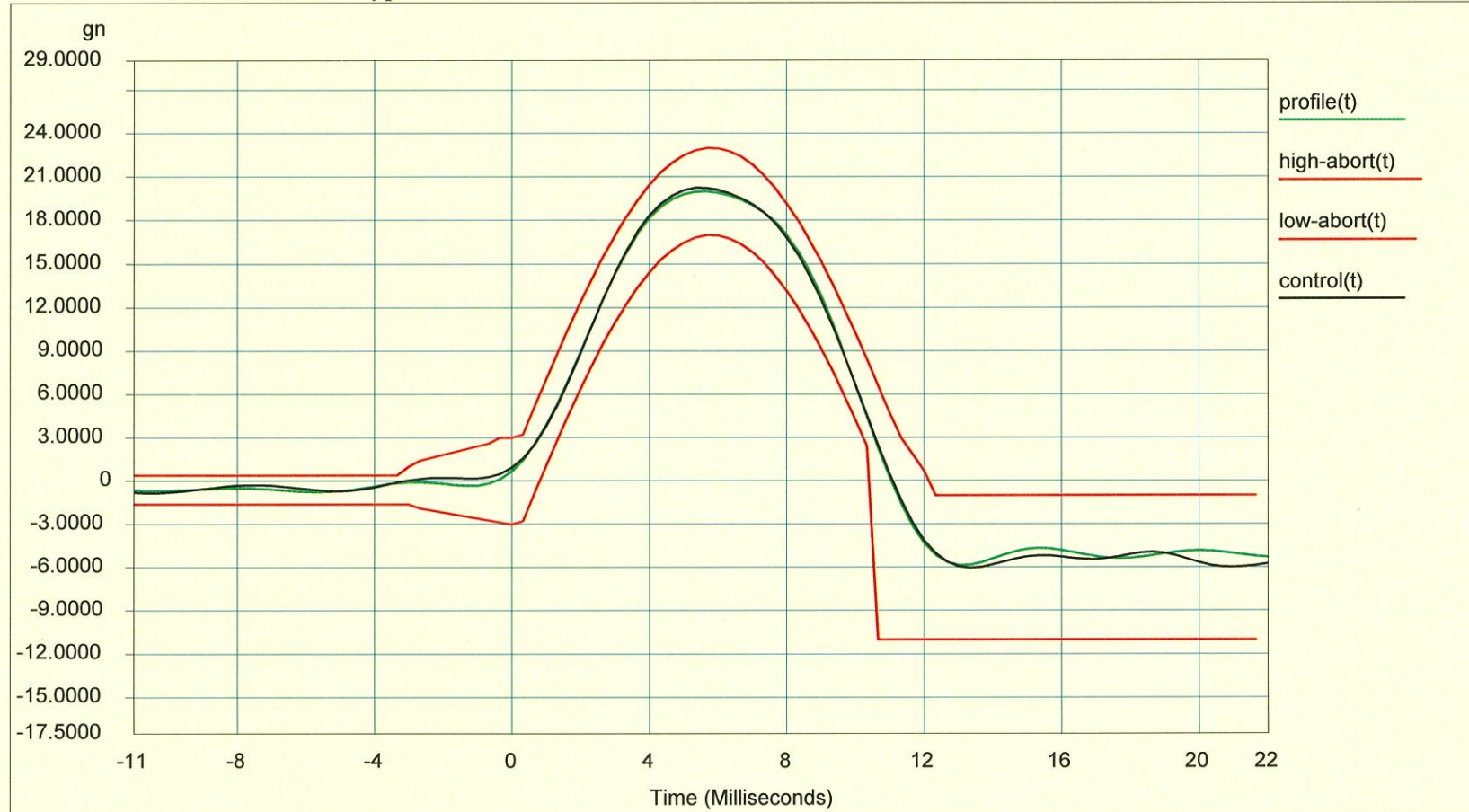


Level: 100 %	Block Size: 2048	Elapsed Pulses: 12	
Frame Time: 0.682667 Seconds	Control Peak: 20.354265	Control RMS: 2.283399	Full Level Elapsed Pulses: 3
dT: 0.000333 Seconds	Demand Peak: 20.000000	Demand RMS: 2.246654	Remaining Pulses: 0
Pulse Type: Half Sine	Amplitude: 20.000000	Pulse Width: 11.000000 ms	

-Y axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Mar 31, 2014 11-42-30

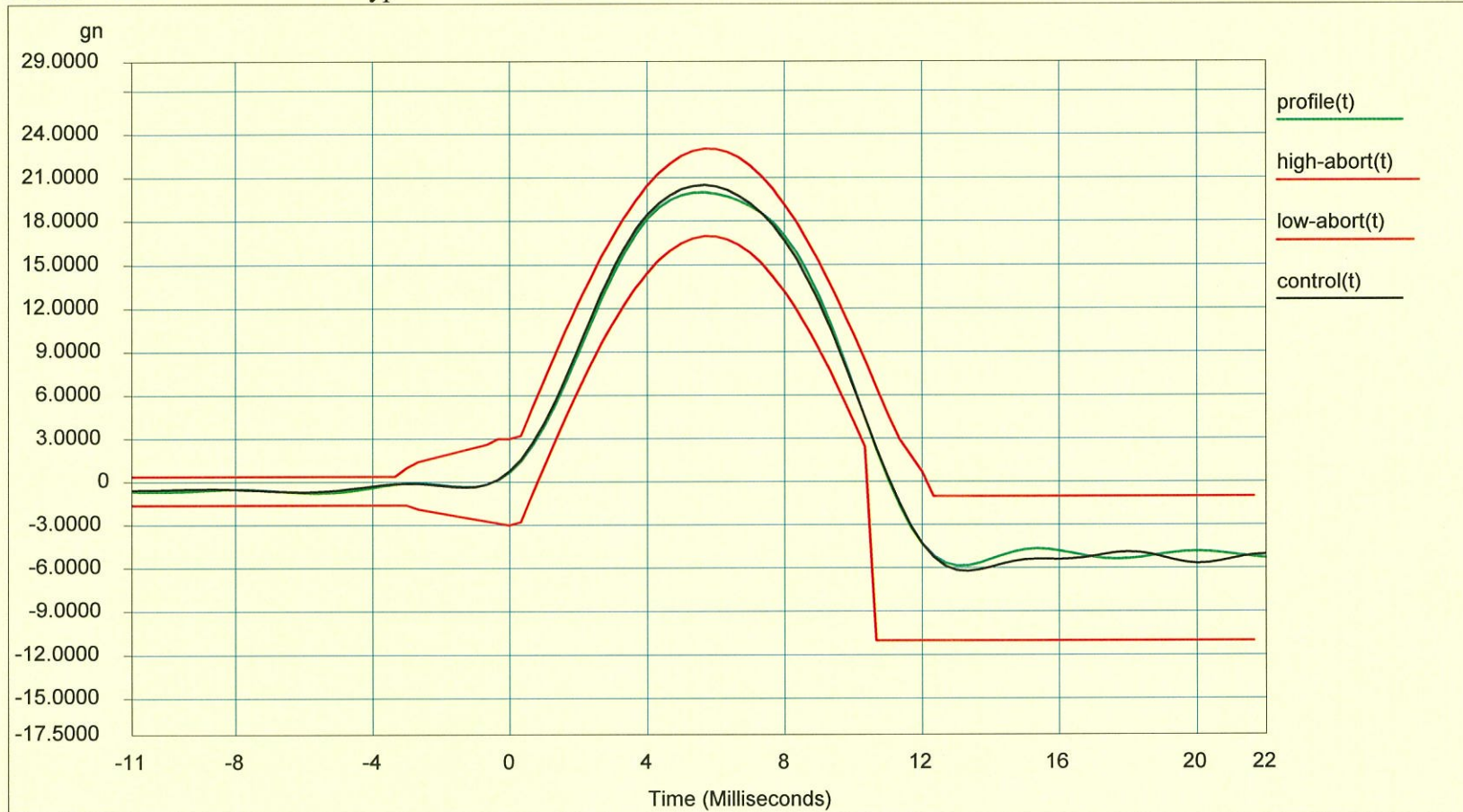


Level: 100 %	Block Size: 2048	Elapsed Pulses: 12	
Frame Time: 0.682667 Seconds	Control Peak: 20.213039	Control RMS: 2.280266	Full Level Elapsed Pulses: 3
dT: 0.000333 Seconds	Demand Peak: 20.000000	Demand RMS: 2.246654	Remaining Pulses: 0
Pulse Type: Half Sine	Amplitude: 20.000000	Pulse Width: 11.000000 ms	

+Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Mar 31, 2014 11-21-25

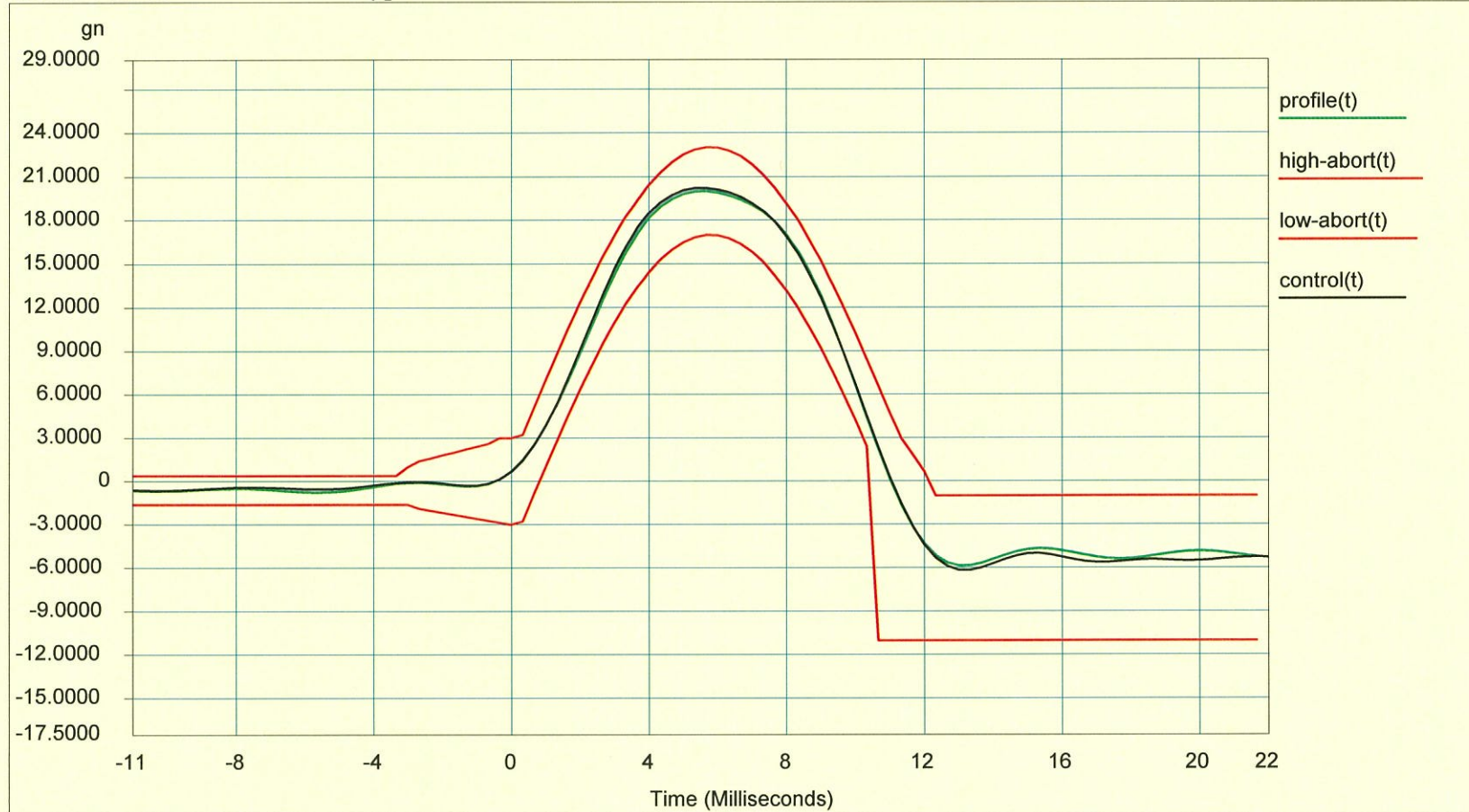


Level: 100 %	Block Size: 2048	Elapsed Pulses: 12	
Frame Time: 0.682667 Seconds	Control Peak: 20.471508	Control RMS: 2.285746	Full Level Elapsed Pulses: 3
dT: 0.000333 Seconds	Demand Peak: 20.000000	Demand RMS: 2.246654	Remaining Pulses: 0
Pulse Type: Half Sine	Amplitude: 20.000000	Pulse Width: 11.000000 ms	

-Z axis

Project File Name: 20g 11mS.prj

Profile Name: Test Type: Classical Shock Run Folder: .\RunDefault Mar 31, 2014 11-25-54



Level: 100 % Block Size: 2048 Elapsed Pulses: 12
 Frame Time: 0.682667 Seconds Control Peak: 20.190048 Control RMS: 2.281175 Full Level Elapsed Pulses: 3
 dT: 0.000333 Seconds Demand Peak: 20.000000 Demand RMS: 2.246654 Remaining Pulses: 0
 Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms
 -END-



Certificate No. : L0424-110728

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

King Design Industrial Co., Ltd.

Vibration Laboratory

4F, No.3, Ln. 270, Sec. 3, Beishen Rd., Shenkeng Dist., New Taipei City 22206, Taiwan
(R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2005

Accreditation Number : 0424

Originally Accredited : May 01, 1998

Effective Period : July 28, 2011 to July 27, 2014

Accredited Scope : Testing Field, see described in the Appendix

Jay-San Chen

President, Taiwan Accreditation Foundation

Date : July 28, 2011



Certificate No. : L0424-110728

財團法人全國認證基金會
Taiwan Accreditation Foundation

Accreditation Number : 0424

Laboratory Head : CHANG, Hsin Tai

▶ 16.99 Machine and Equipment
Vibration Tester
A002 Vibration
CNS 3629
CNS 5424
Frequency:5 Hz to 3000 Hz
Acceleration:(0 to 100) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai

▶ 16.99 Machine and Equipment
Shock Test Equipment
A002 Vibration
IEST-RP-DTE 012.1
Shock Acceleration
Max. G:250 Gpk
Time Duration:0.1 ms to 50 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

▶ 19.01 Electronic and Electric
Electrical Machine & Equipment
Electronic Device
A002 Vibration
CNS 5424
CNS 3629
IEC 60068-2-35 : 1973
Frequency:5 Hz to 2000 Hz
Acceleration:(0 to 50) Gpk

Approval Signatory: LEE, David;CHANG, Hsin Tai



財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate No. : 10424-110728

▶ 19.01 Electronic and Electric
Electrical Machine & Equipment
Electronic Device
A002 Vibration
IEC 60068-2-27
Acceleration: 5 Gpk to 200 Gpk
Time Duration: 2 ms to 16 ms

Approval Signatory: LEE, David;CHANG, Hsin Tai

▶ 19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-1
Temperature Range: ≥ -25 °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

▶ 19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-2
Temperature Range: ≤ 100 °C

Approval Signatory: LEE, David;CHANG, Hsin Tai

▶ 19.99 Electronic and Electric
Electric & Electronic Products
E003 Environmental Reliability
IEC 60068-2-30
Temperature Range: -40 °C to 120 °C
Temperature Change Rate: rise 2 °C/min • fall 1 °C/min

Approval Signatory: LEE, David;CHANG, Hsin Tai

E003 Environmental Reliability
IEC 60068-2-38
Temperature Range: -40 °C to 120 °C

P3, total 4 pages



Certificate No. : L0424-110728

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Taiwan Accreditation Foundation

Humidity Range:15 %RH to 95 %RH
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min

Approval Signatory: LEE, David;CHANG Hsin Tai

E003 Environmental Reliability
MIL-STD-810FMethod501.4 · 502.4 · 503.4 · 514.5(Procedure I · III · IV) ·
516.5(Procedure I · II · III · IV · V · VI · VII)
Temperature Range:-40 °C to 120 °C
Temperature Change Rate:rise 2 °C/min · fall 1 °C/min
Frequency:3 Hz to 2000 Hz
Displacement:(0 to 4) mm (peak to peak)
Acceleration:(0 to 10) Gpk

Approval Signatory: LEE, David;CHANG Hsin Tai

(Null below)