KING DESIGN®
KING DESIGN INDUSTRIAL CO., LTD.
4F,NO 3, Lane 270, Pei Shen Road Sec.3,
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

Reliability & Communication Testing Instruments
VIBRATION LABORATORY
http: //www.king-design.com.tw
E-mail: lab@king-design.com.tw

TESTING / INSPECTION REPORT

REPORT NO：ST-110131-1

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 ：AEC-6924(with 2.5" SATA HDD)
DATE OF RECEIVED ：2011/01/26
DATE OF TESTED ：2011/01/26

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

Test Engineer：Eason Chen	
Approval Signatory：David Lee	Laboratory Head：Chang Kuo-Tai

KING DESIGN®
KING DESIGN INDUSTRIAL CO., LTD.
4F,NO 3, Lane 270, Pei Shen Road Sec.3,
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

Reliability & Communication Testing Instruments

VIBRATION LABORATORY
http: //www.king-design.com.tw
E-mail: lab@king-design.com.tw

TESTING / INSPECTION REPORT

TESTING EQUIPMENT：

1.Vibration Tester ：KING DESIGN KD-9363EM-1000F2K-50N120, S/N：GUG02102091
2.Controller ：DACTRON LASER USB BOX LAS200, S/N: 12448370
3.Control Accelerometer ：B&K 4399, S/N:2158444

TEST ENVIRONMENT：

Temperature ：22.3℃ (25±10℃)
Relative Humidity ：64.2%RH (60±20% RH)

SPECIMEN：

Model ：AEC-6924(with 2.5" SATA HDD)
Quantity ：1 piece

TEST SPECIFICATION：

Shock Test (Operation)
Wave Form ：Half Sine Wave
Acceleration ：20 g
Duration ：11 mS
Shock Direction ：±X, ±Y, ±Z axis
No. of Shock ：Each axis 3 times

TEST RESULT：

Describe	PASS	FAIL	Non-Judgment
Function judgment	√	——	——
Appearance check	√	——	——
This test unit can not power on after testing. When changing the PSU, this test unit runs well again.			

KING DESIGN®
KING DESIGN INDUSTRIAL CO., LTD.
4F,NO 3, Lane 270, Pei Shen Road Sec.3,
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

Reliability & Communication Testing Instruments

VIBRATION LABORATORY
http: //www.king-design.com.tw
E-mail: lab@king-design.com.tw

TESTING / INSPECTION REPORT

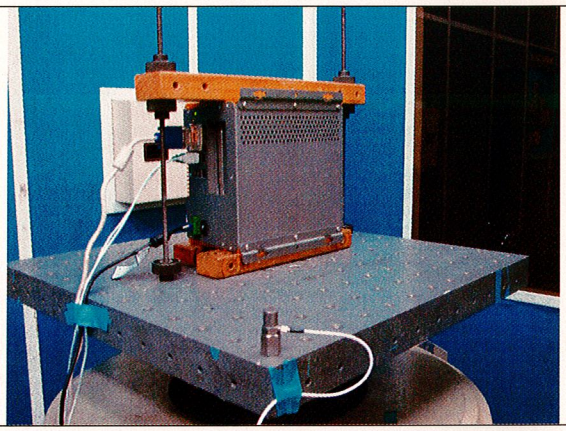
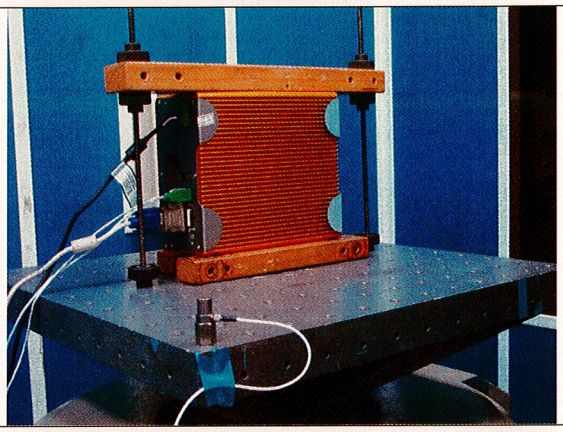
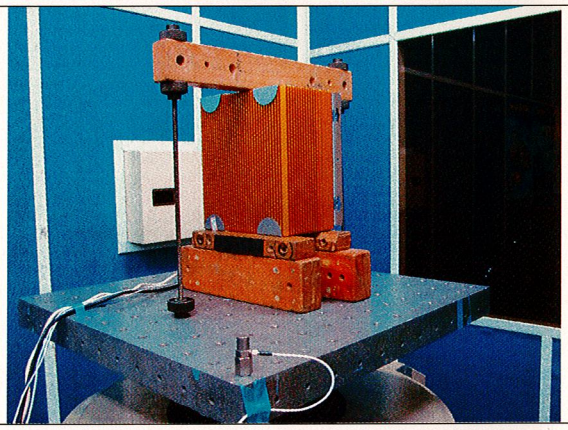
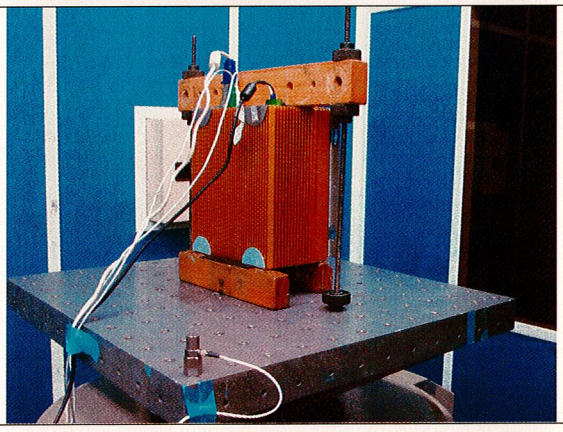
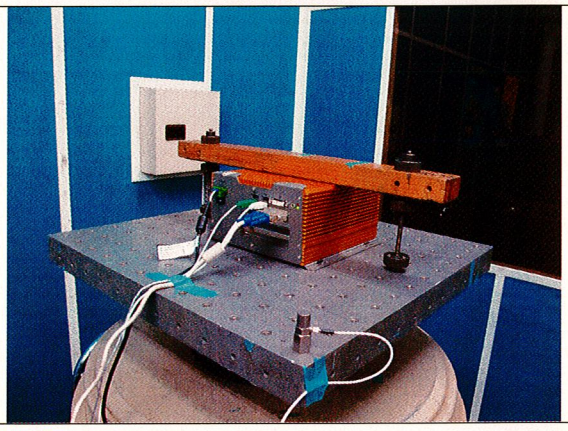
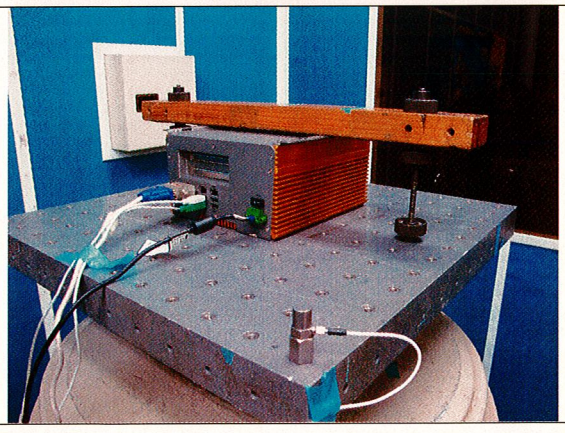
Testing photos
Before Test


KING DESIGN®
KING DESIGN INDUSTRIAL CO., LTD.
4F,NO 3, Lane 270, Pei Shen Road Sec.3,
Shen Keng Hsiang, Taipei Hsien 222, Taiwan, R.O.C
TEL: 886-2-2662-5100 FAX: 886-2-2662-3094

Reliability & Communication Testing Instruments

VIBRATION LABORATORY
http: //www.king-design.com.tw
E-mail: lab@king-design.com.tw

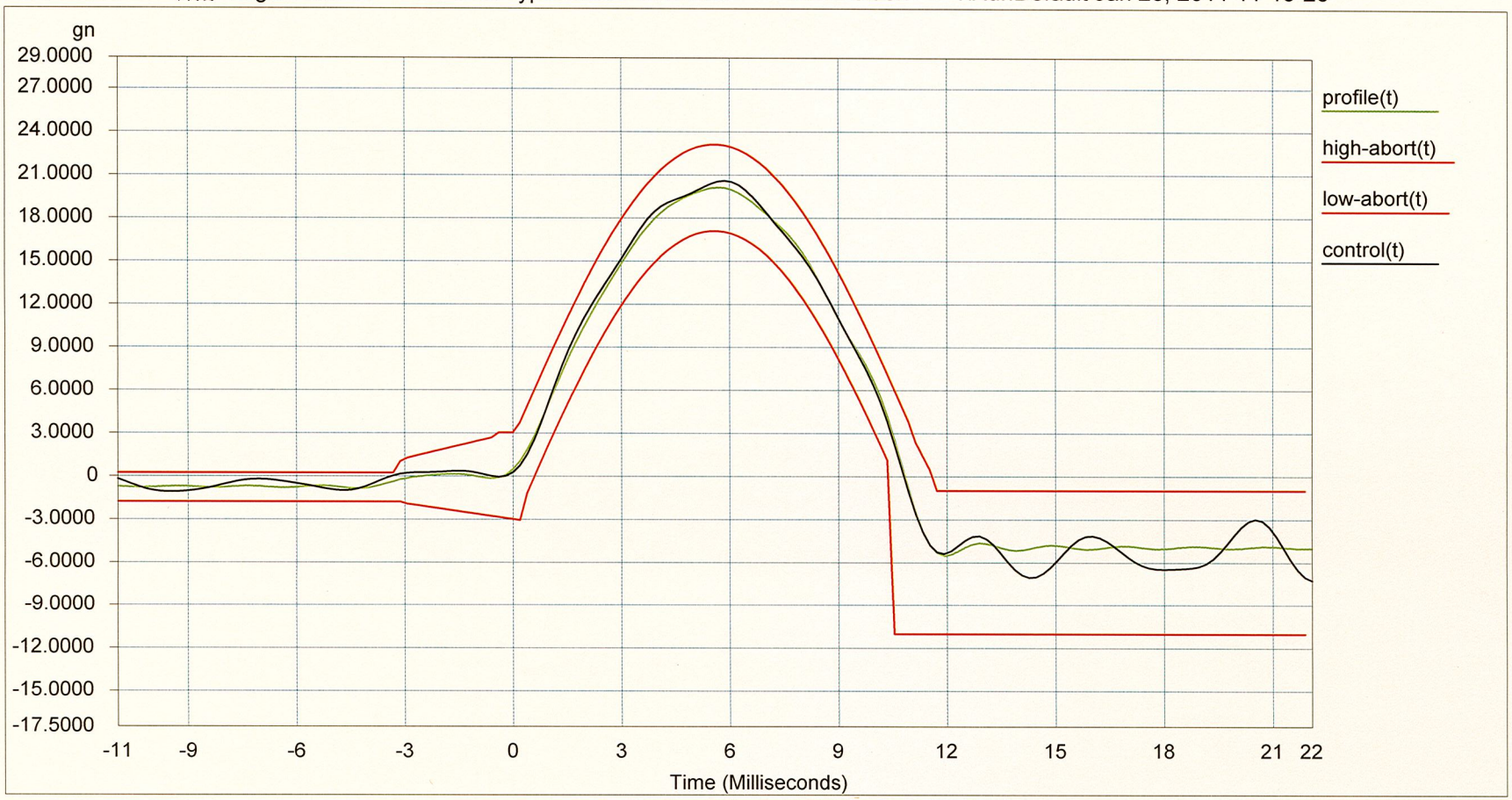
TESTING / INSPECTION REPORT

Testing photos	
AXIS X	AXIS –X
	
AXIS Y	AXIS –Y
	
AXIS Z	AXIS –Z
	

Axis X

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-15-26



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 20.479940 Control RMS: 3.010035 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

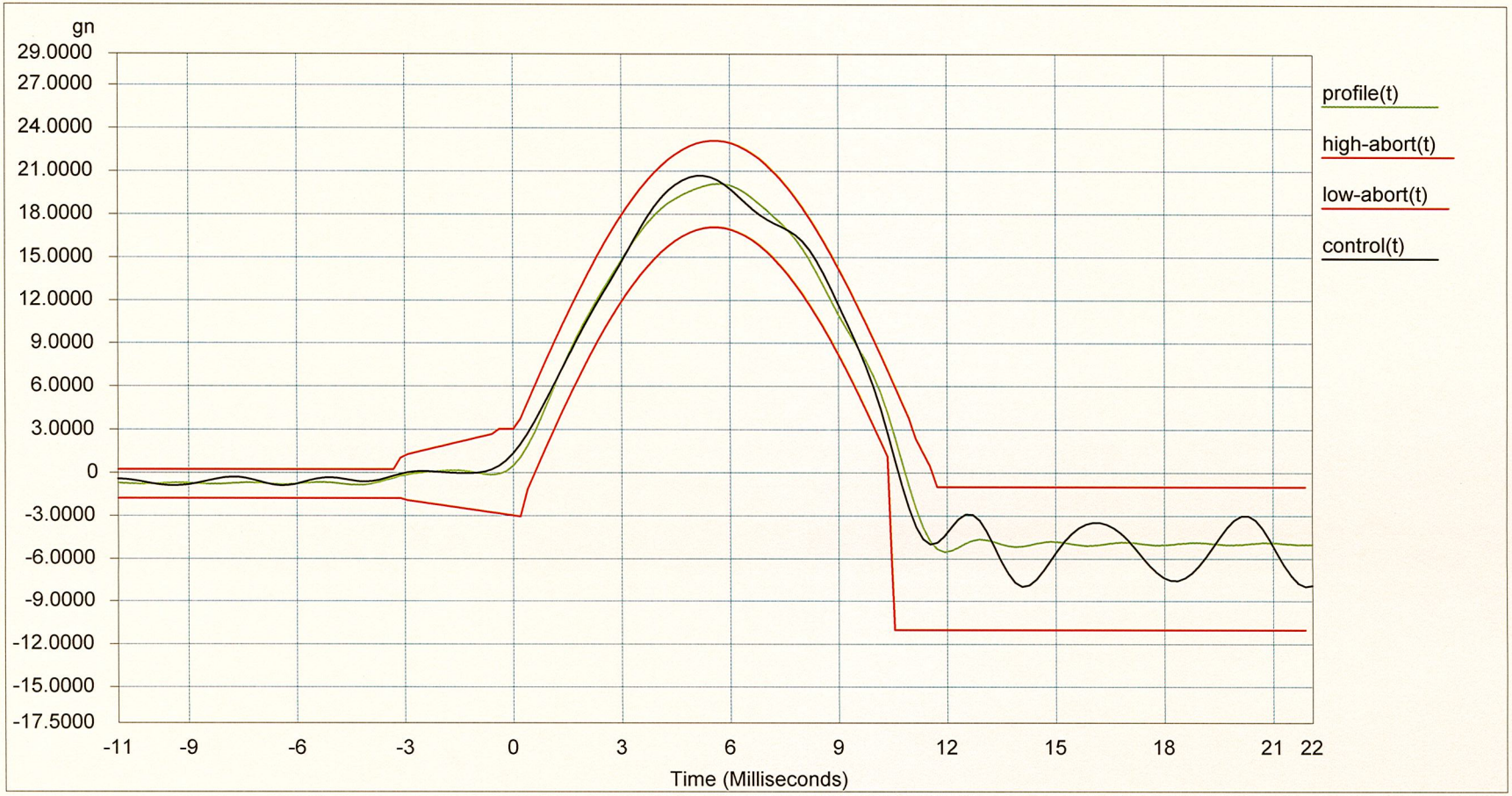
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:15:48 AM, Wednesday, January 26, 2011 Report created at 11:15:49 AM, Wednesday, January 26, 2011

Axis -X

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-18-24



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 20.559441 Control RMS: 2.976569 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

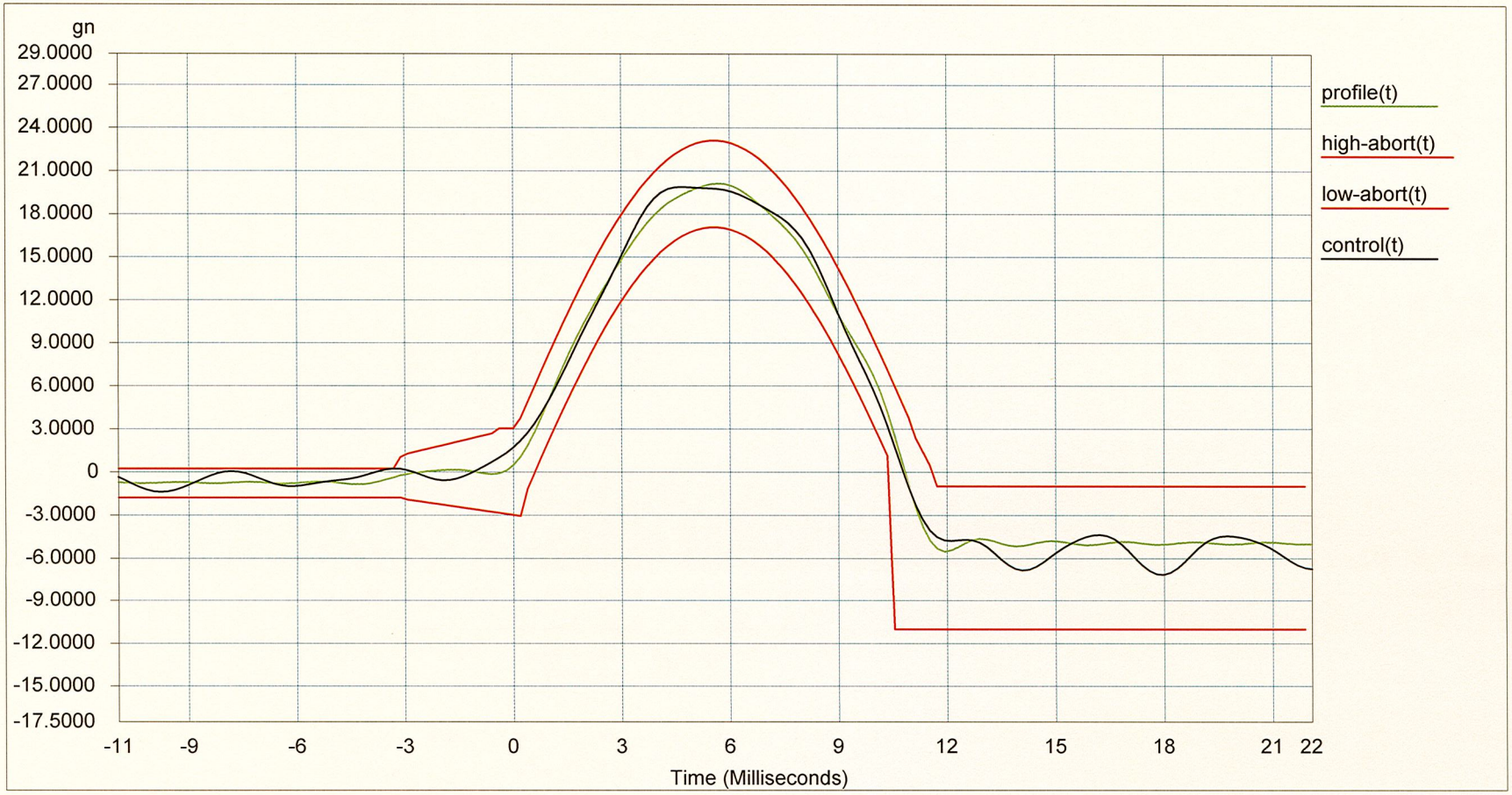
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:18:45 AM, Wednesday, January 26, 2011 Report created at 11:18:46 AM, Wednesday, January 26, 2011

Axis Y

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-10-55



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 19.765364 Control RMS: 2.977626 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

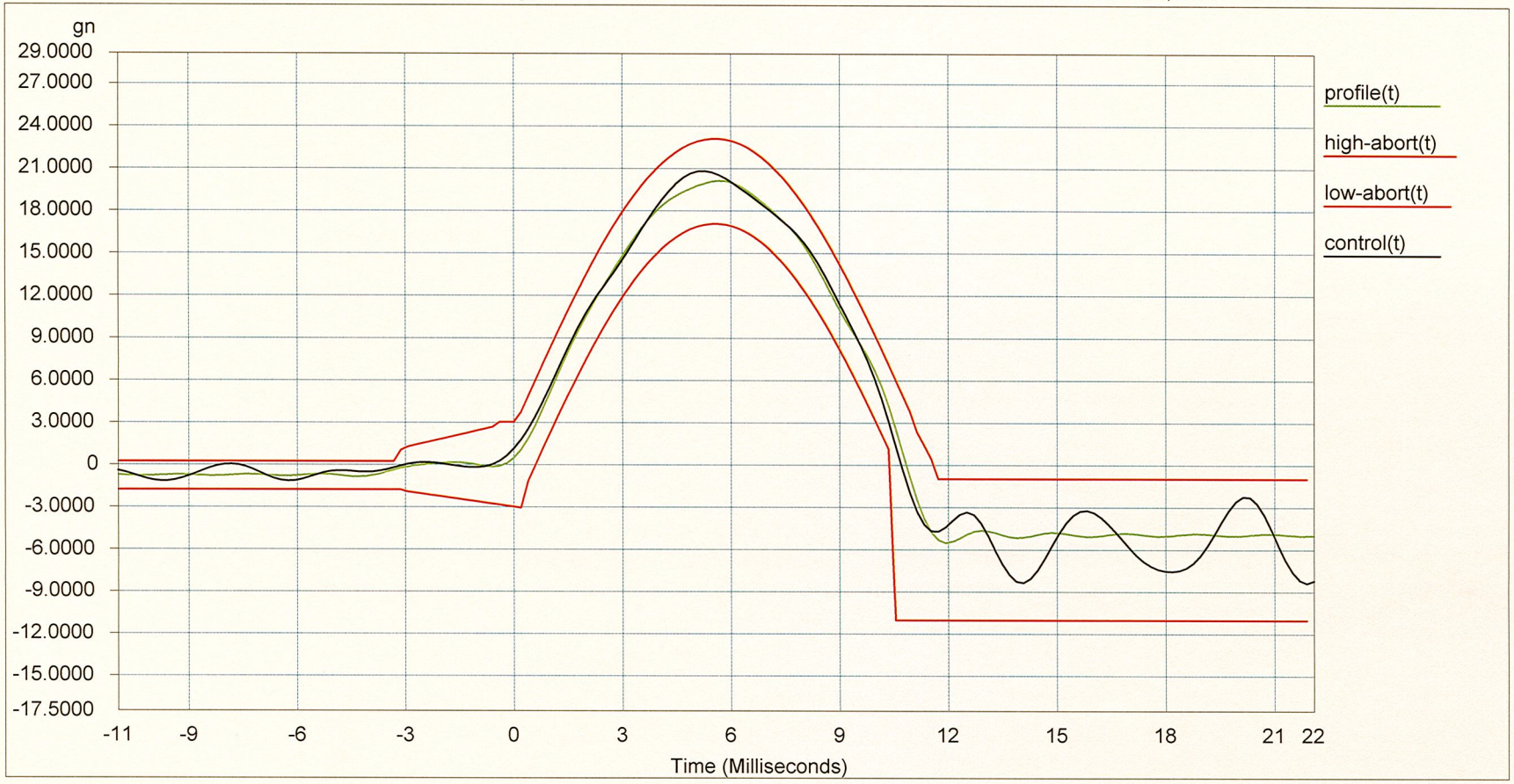
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:11:15 AM, Wednesday, January 26, 2011 Report created at 11:11:15 AM, Wednesday, January 26, 2011

Axis -Y

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-12-23



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 20.715540 Control RMS: 3.001211 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

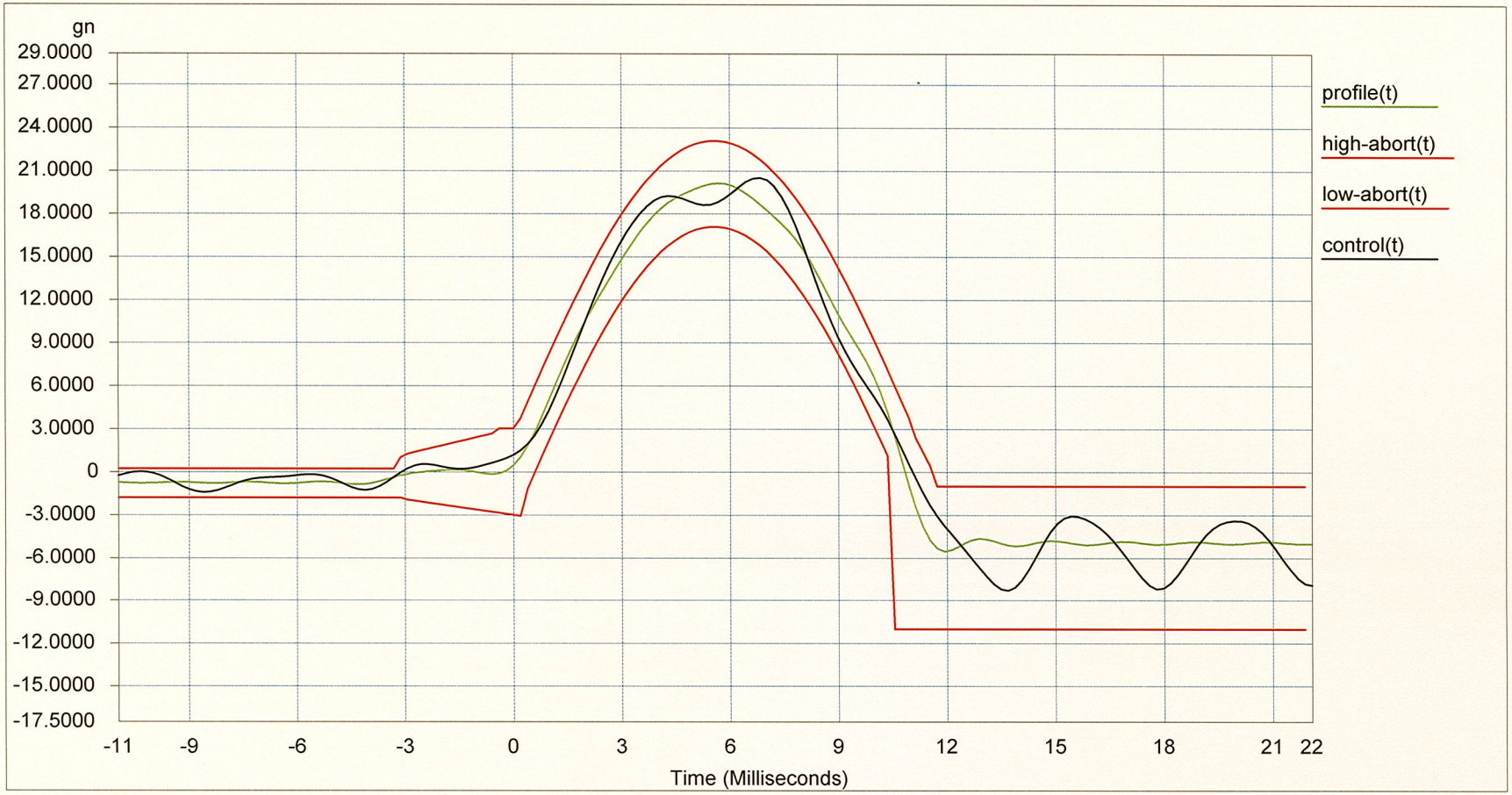
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:12:43 AM, Wednesday, January 26, 2011 Report created at 11:12:43 AM, Wednesday, January 26, 2011

Axis Z

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-05-21



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 20.405706 Control RMS: 3.023833 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

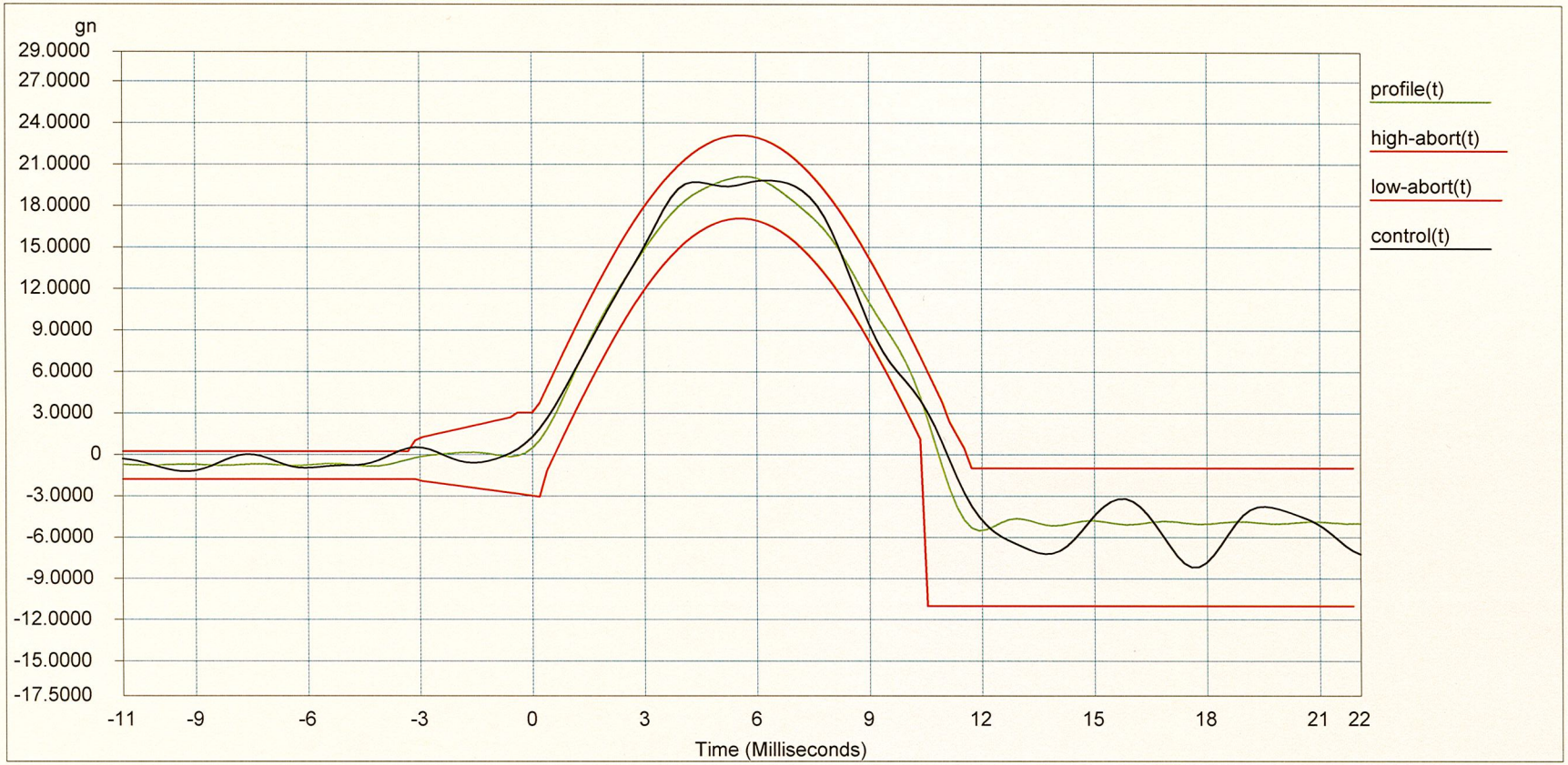
Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:05:41 AM, Wednesday, January 26, 2011 Report created at 11:05:42 AM, Wednesday, January 26, 2011

Axis -Z

Project File Name: 研揚 20g 11mS.prj

Profile Name: 研揚 20gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Jan 26, 2011 11-07-43



Level: 100 % Block Size: 2048 Elapsed Pulses: 12

Frame Time: 0.400000 Seconds Control Peak: 19.731668 Control RMS: 2.986710 Full Level Elapsed Pulses: 3

dT: 0.000195 Seconds Demand Peak: 20.000000 Demand RMS: 2.875554 Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 20.000000 Pulse Width: 11.000000 ms

Data saved at 11:08:03 AM, Wednesday, January 26, 2011 Report created at 11:08:04 AM, Wednesday, January 26, 2011

-END-