

TESTING / INSPECTION REPORT

DATE : November 11, 2005
REPORT NO : ST-051111-2

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SPECIMEN : Onyx-173D

TEST / INSPECTION ITEMS : Shock Test (See Page 2)

REMARKS :

- The results only apply to the device under test.
- This report is 11 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

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Approved by : <i>David Lee</i> 2005.11.14	Laboratory Head : <i>Chipping Chan</i>



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TESTING EQUIPMENT :

1. Shock Tester : KING DESIGN (KD-9363EM-600F2K-50N120,
 S/N : KDS11054783)
 2. Controller : DACTRON (FRONT-End Box, S/N:5250251)
 3. Control Accelerometer : Wilcoxon Research (WR-777 , S/N:4208)

TEST ENVIRONMENT :

- Temperature : 20±2°C
 Humidity : 70±20% RH

SPECIMEN :

- Model : Onyx-173D
 Quantity : 1 piece

SHOCK TEST SPECIFICATION :

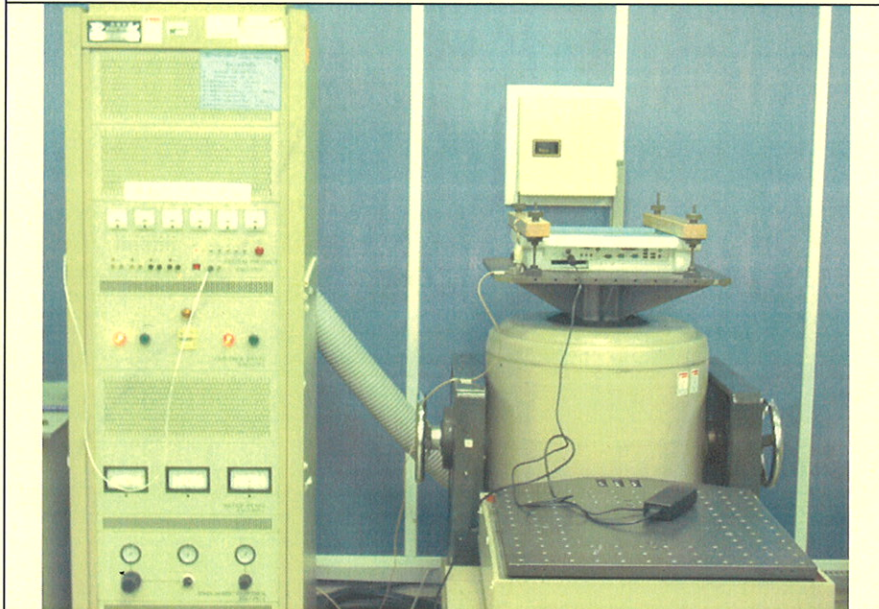
- Wave Form : Half sine wave (Operation)
 Acceleration : 15 g
 Duration Time : 11 ms
 No. of Shock : Each axis 3 times
 Shock Direction : ±X, ±Y, ±Z axis

TEST RESULT :

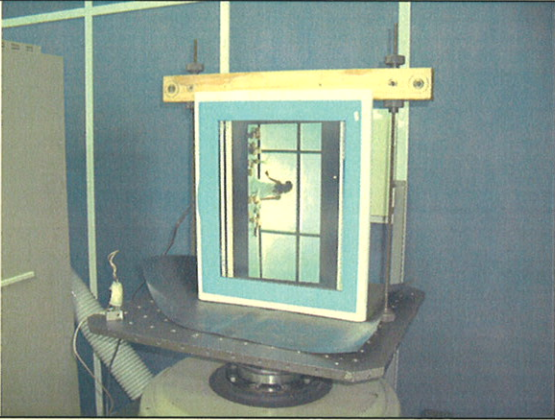
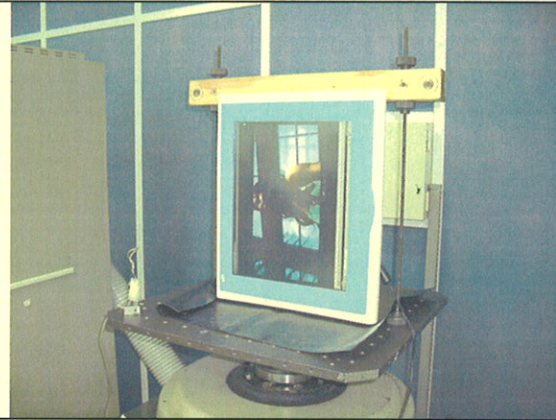


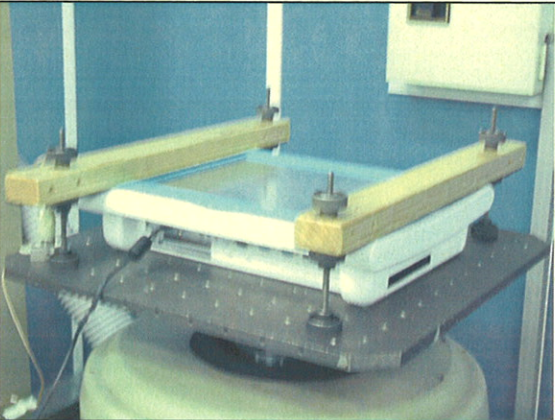
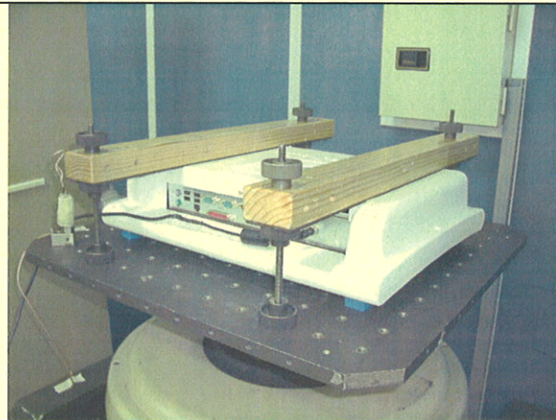
Describe	PASS	FAIL	Non-Judgment
Function judgment	√	---	---
Appearance check	√	---	---

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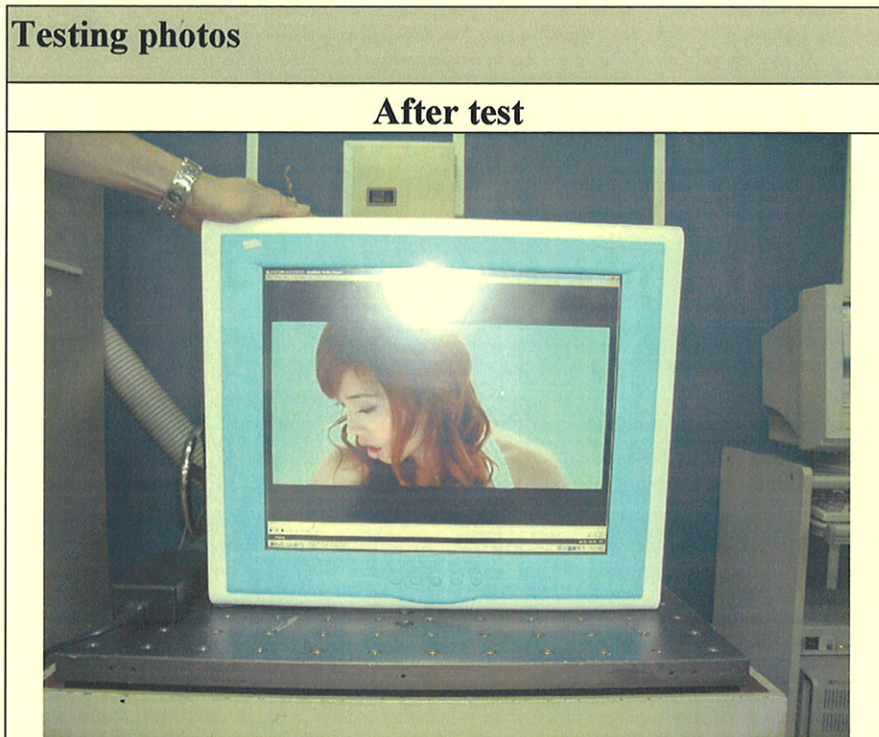
Testing photos



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Testing photos	
AXIS X	AXIS -X
	
AXIS Y	AXIS -Y
	
AXIS Z	AXIS -Z
	

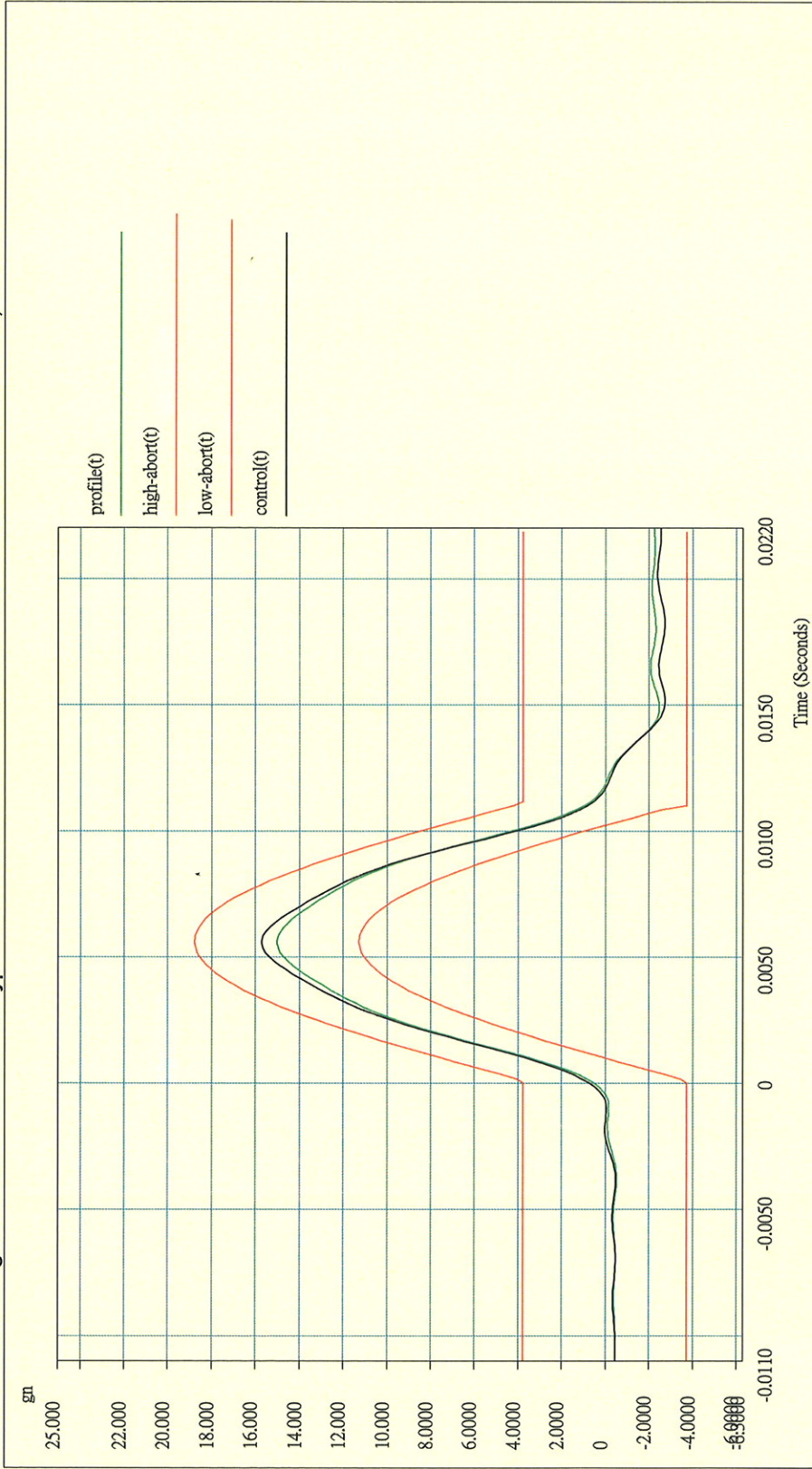
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Axis X

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10-04-23



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

Frame Time: 0.341333 Seconds Control Peak: 15.709053 gn Control RMS: 2.112935 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0

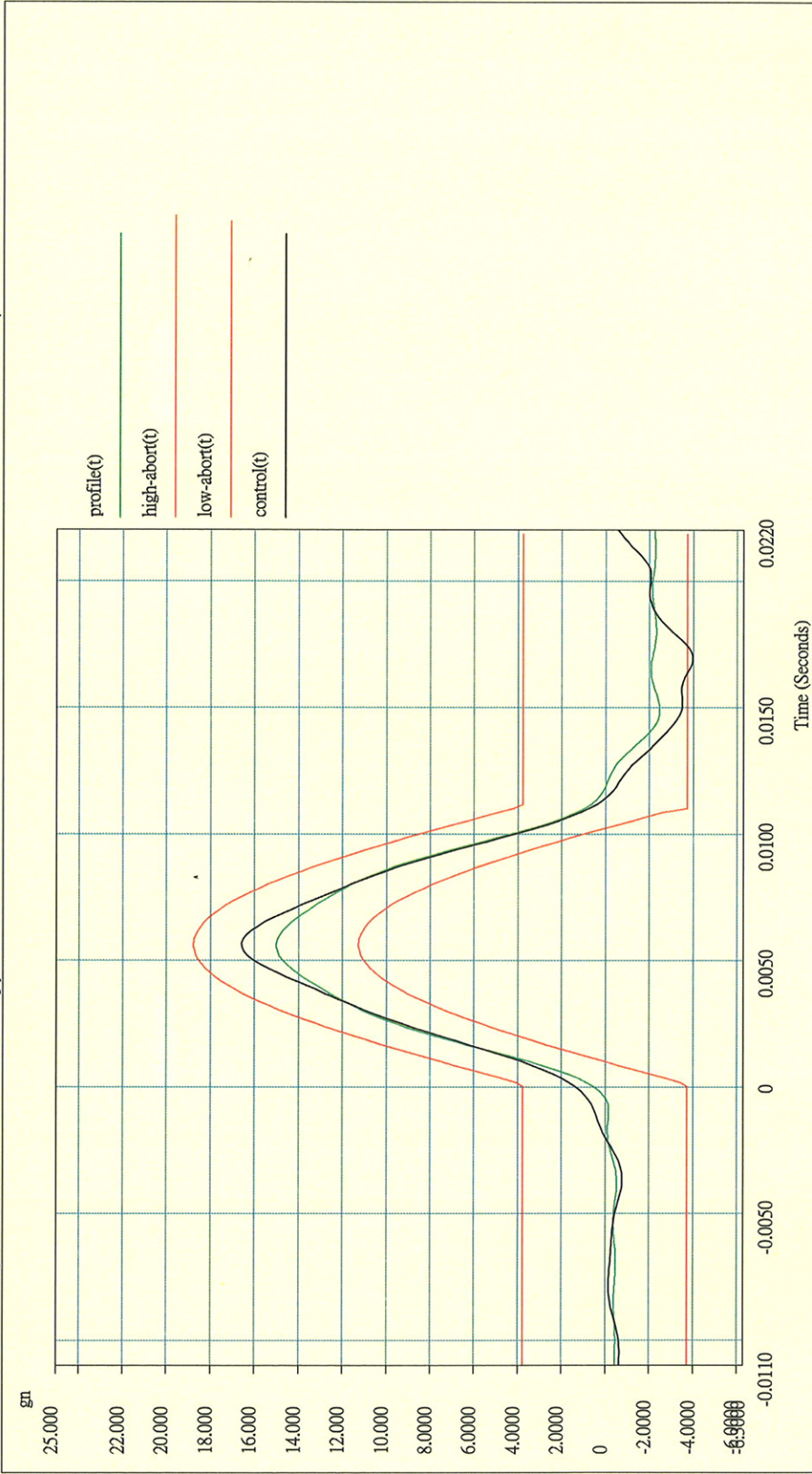
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 10:04:48 AM, Thursday, November 10, 2005 Report created at 10:10:05 AM, Thursday, November 10, 2005

Axis -X

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10-13-12



Level: 100 % Block Size: 2048 Elapsed Pulses: 13

Frame Time: 0.341333 Seconds Control Peak: 16.571938 gn Control RMS: 2.219164 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0

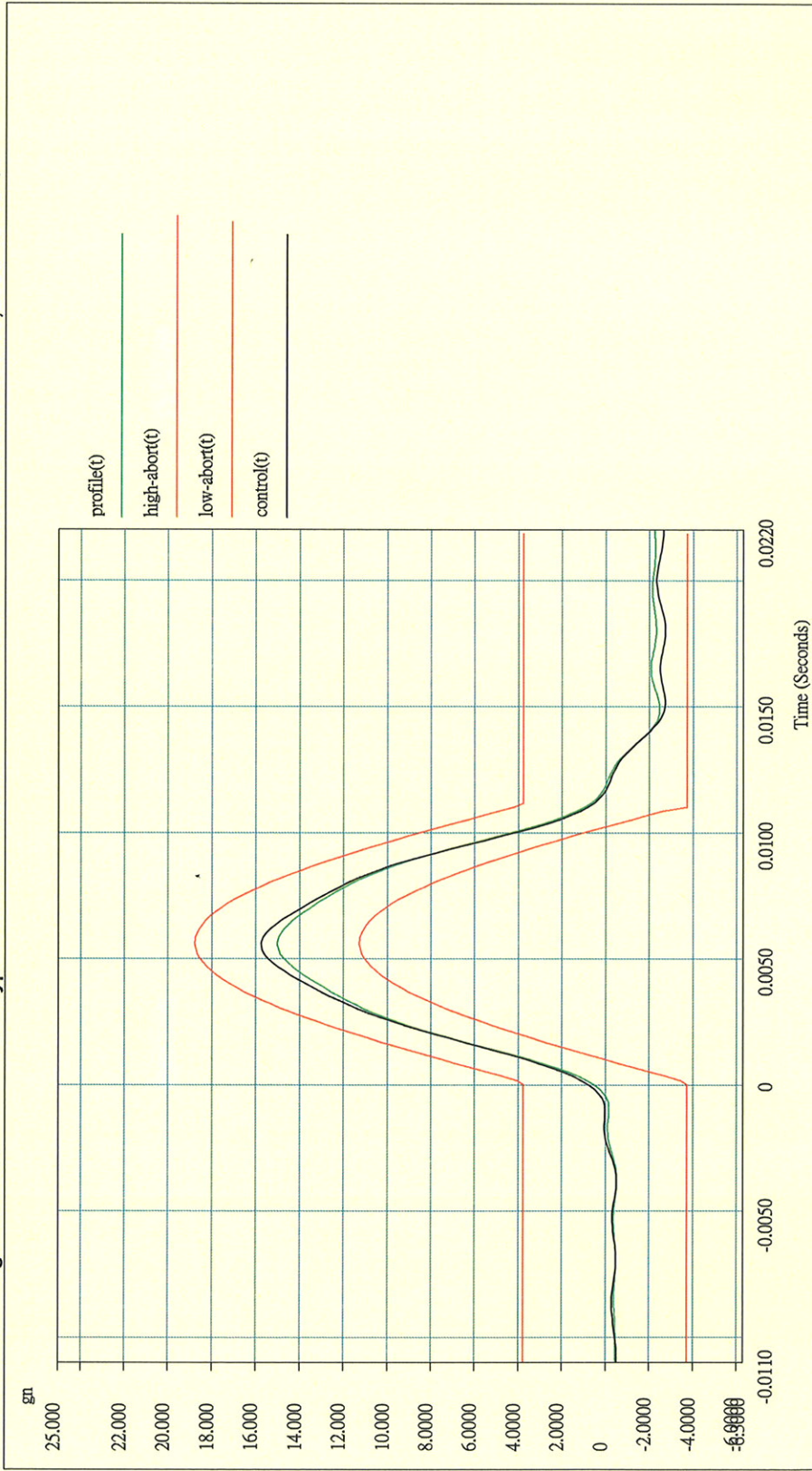
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 10:13:37 AM, Thursday, November 10, 2005 Report created at 10:13:45 AM, Thursday, November 10, 2005

Axis y

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10-18-10



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

Frame Time: 0.341333 Seconds Control Peak: 15.745062 gn Control RMS: 2.112283 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0

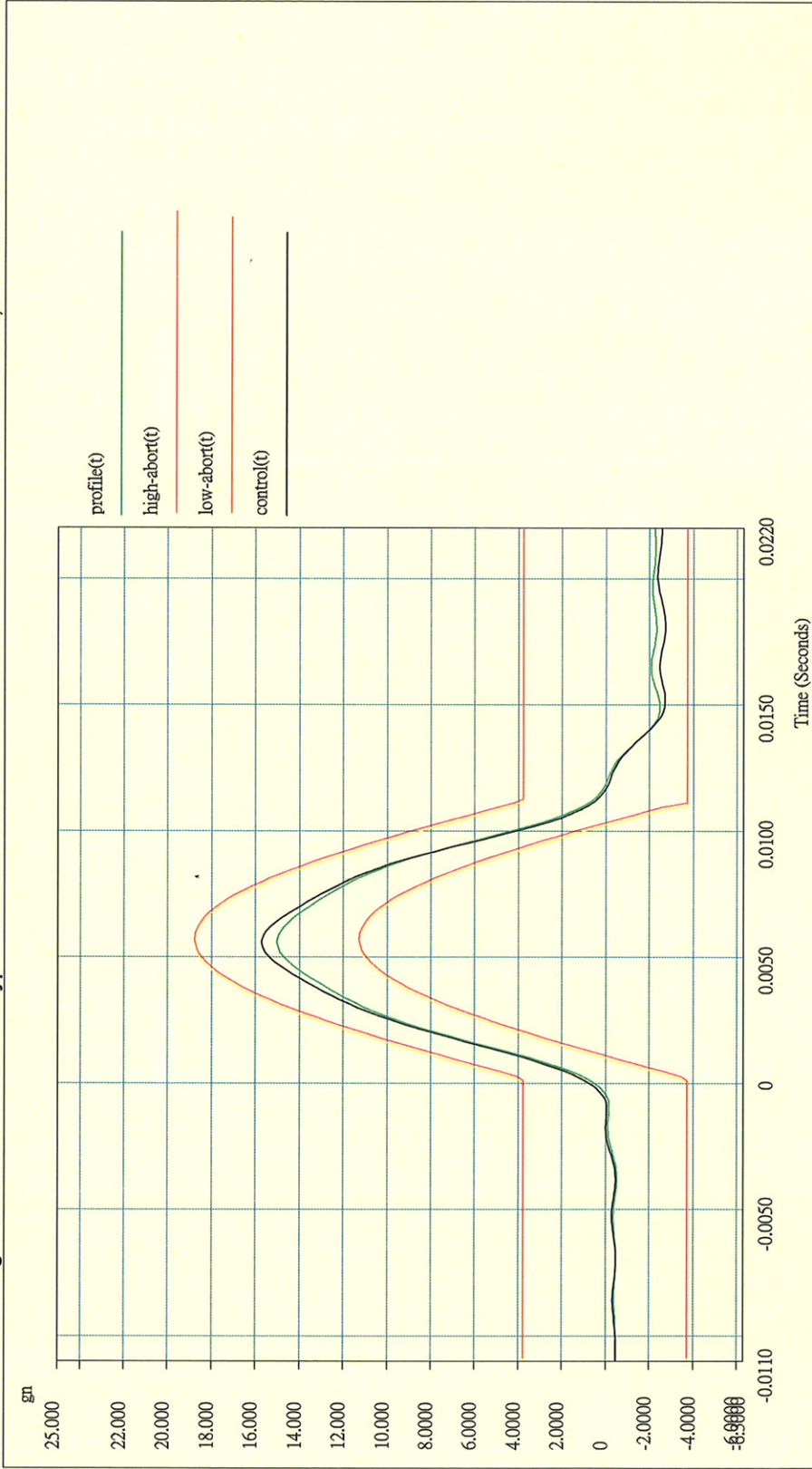
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 10:18:35 AM, Thursday, November 10, 2005 Report created at 10:18:43 AM, Thursday, November 10, 2005

Axis - y

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10:22:34

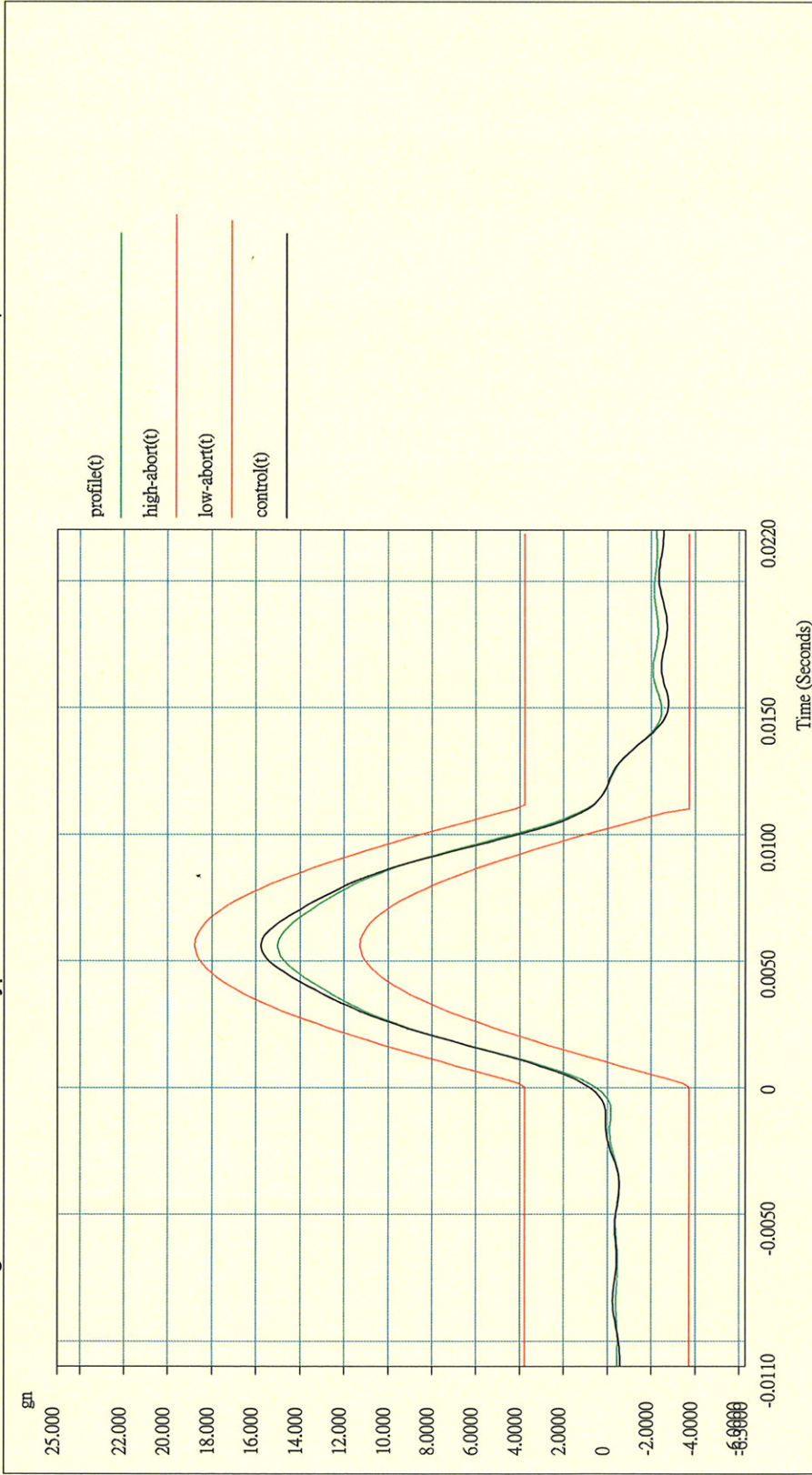


Level: 100 % Block Size: 2048 Elapsed Pulses: 12
Frame Time: 0.341333 Seconds Control Peak: 15.701504 gn Control RMS: 2.112867 gn Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms
Data saved at 10:22:59 AM, Thursday, November 10, 2005 Report created at 10:23:07 AM, Thursday, November 10, 2005

Axis Z

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10:27-23



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

Frame Time: 0.341333 Seconds Control Peak: 15.771269 gn Control RMS: 2.112074 gn Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0

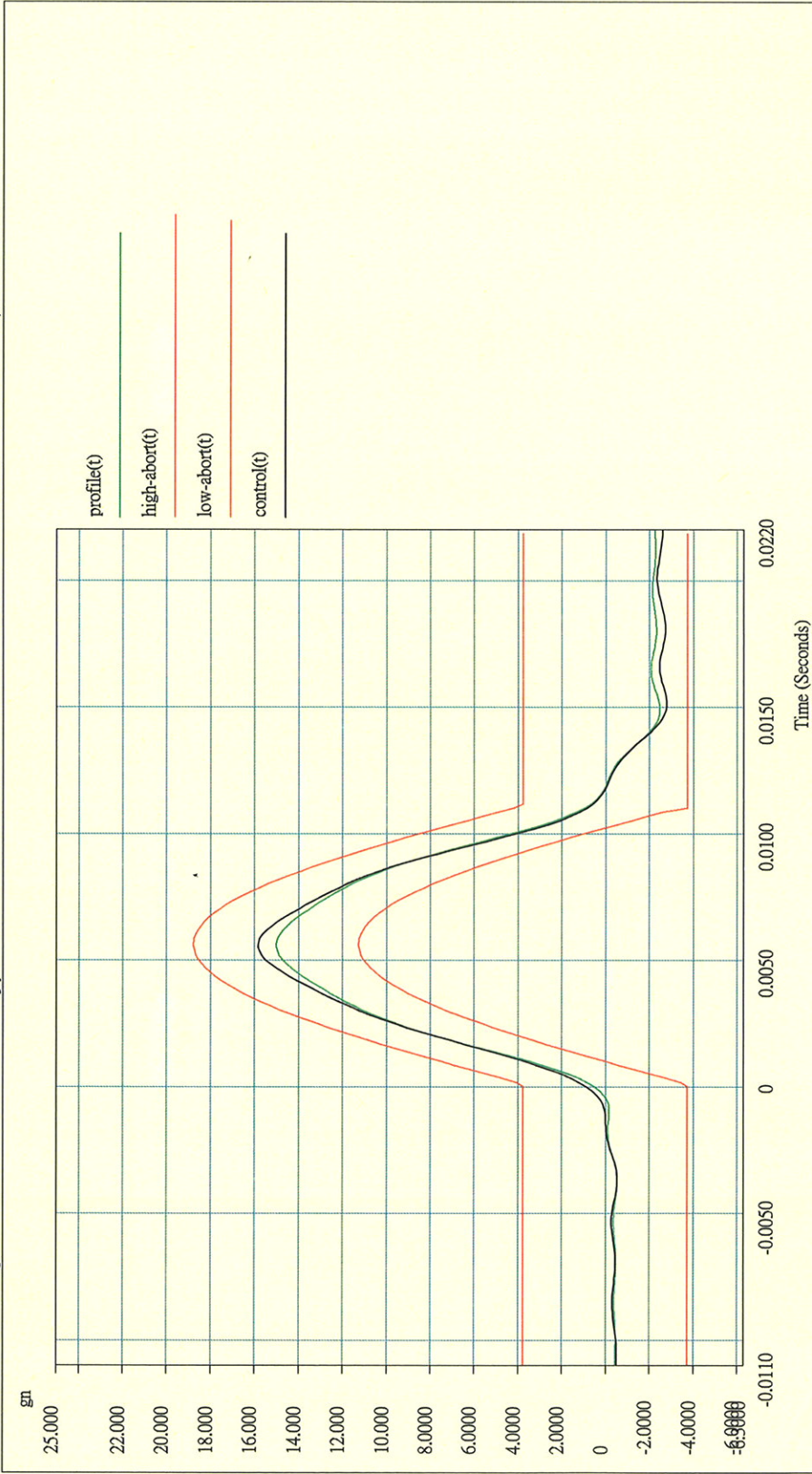
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 10:27:48 AM, Thursday, November 10, 2005 Report created at 10:27:56 AM, Thursday, November 10, 2005

Axis -Z

Project File Name: 研揚 15g 11ms.prj

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Nov 10, 2005 10-34-43



Level: 100 % Block Size: 2048 Elapsed Pulses: 12
Frame Time: 0.341333 Seconds Control Peak: 15.831757 gn Control RMS: 2.113634 gn Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 2.011591 gn Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms
Data saved at 10:35:08 AM, Thursday, November 10, 2005 Report created at 10:35:16 AM, Thursday, November 10, 2005