

## TESTING / INSPECTION REPORT

DATE : November 8, 2005  
REPORT NO : ST-051108-1

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SPECIMEN : AOP-8150WT

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.

Test Engineer : <i>Angus Wu</i>	
Approved by : <i>David Lee</i>	Laboratory Head : <i>Chipping Chan</i>



## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

1. Shock Tester : KING DESIGN (KD-9363EM-600F2K-50N120,  
 S/N : KDS11054986)  
 2. Controller : DACTRON (FRONT-End Box, S/N: 4529465)  
 3. Control Accelerometer : Wilcoxon Research (WR-777 , S/N:3425)

### TEST ENVIRONMENT :

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

### SPECIMEN :

- Model : AOP-8150WT  
 Quantity : 1 piece

### SHOCK TEST SPECIFICATION :

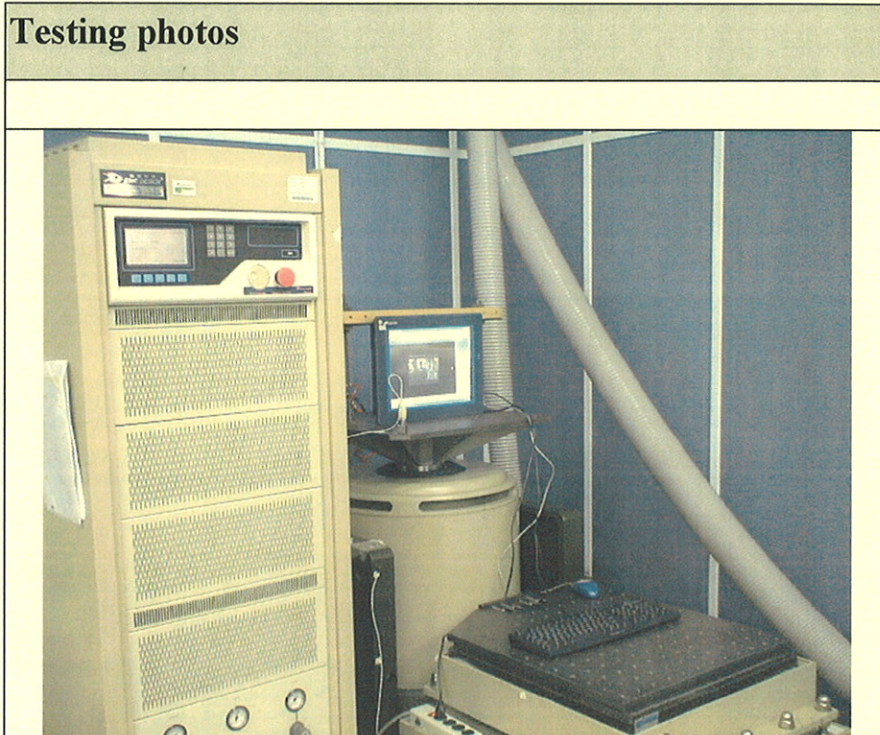
- Wave Form : Half sine wave (Operation)  
 Acceleration : 15 g  
 Duration Time : 11 ms  
 No. of Shock : Each axis 3 times  
 Shock Direction : ±X, ±Y, ±Z axis

### TEST RESULT :

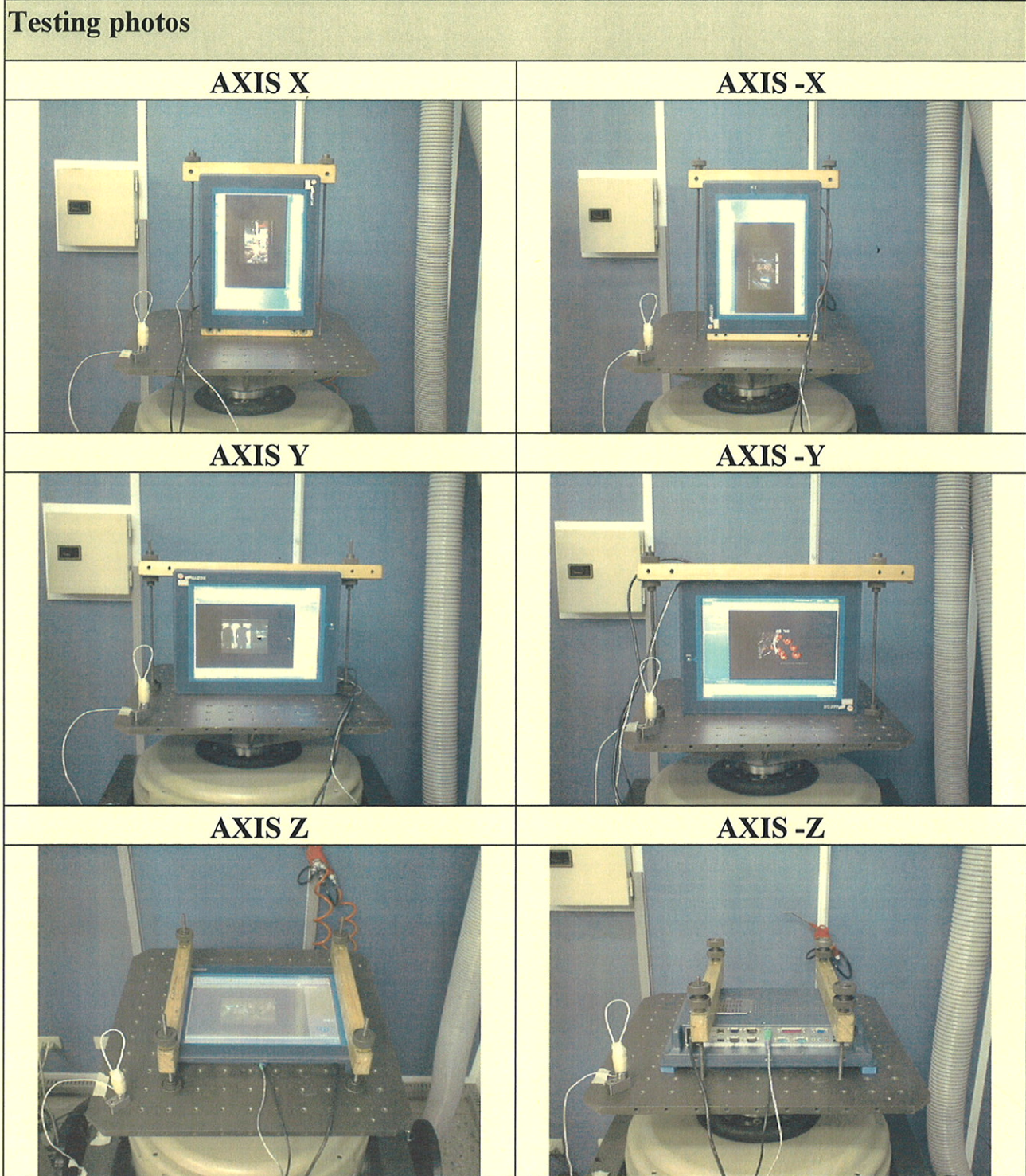
Describe	PASS	FAIL	Non-Judgment <sup>(1)</sup>
Function judgment	---	---	√
Appearance check	---	---	√

(1)--This test report record object test procedure and environment, not including test result.

## TESTING / INSPECTION REPORT



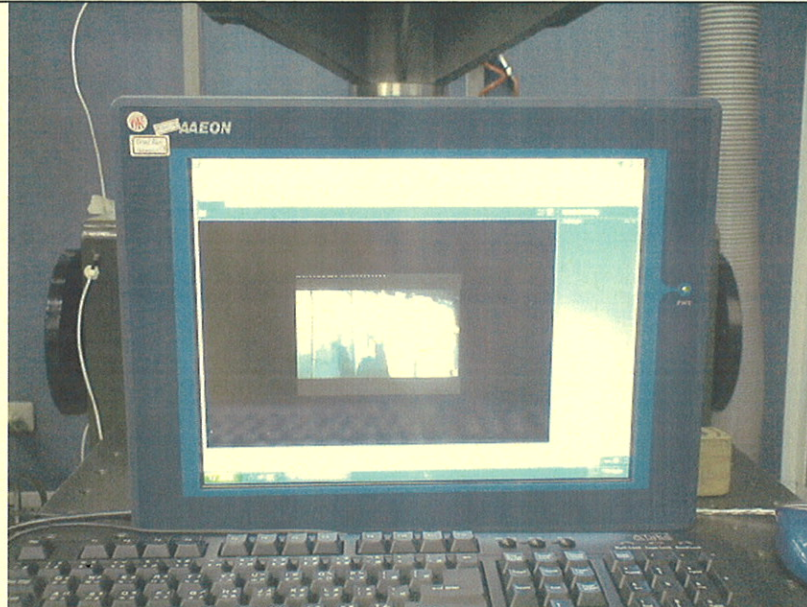
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### Testing photos

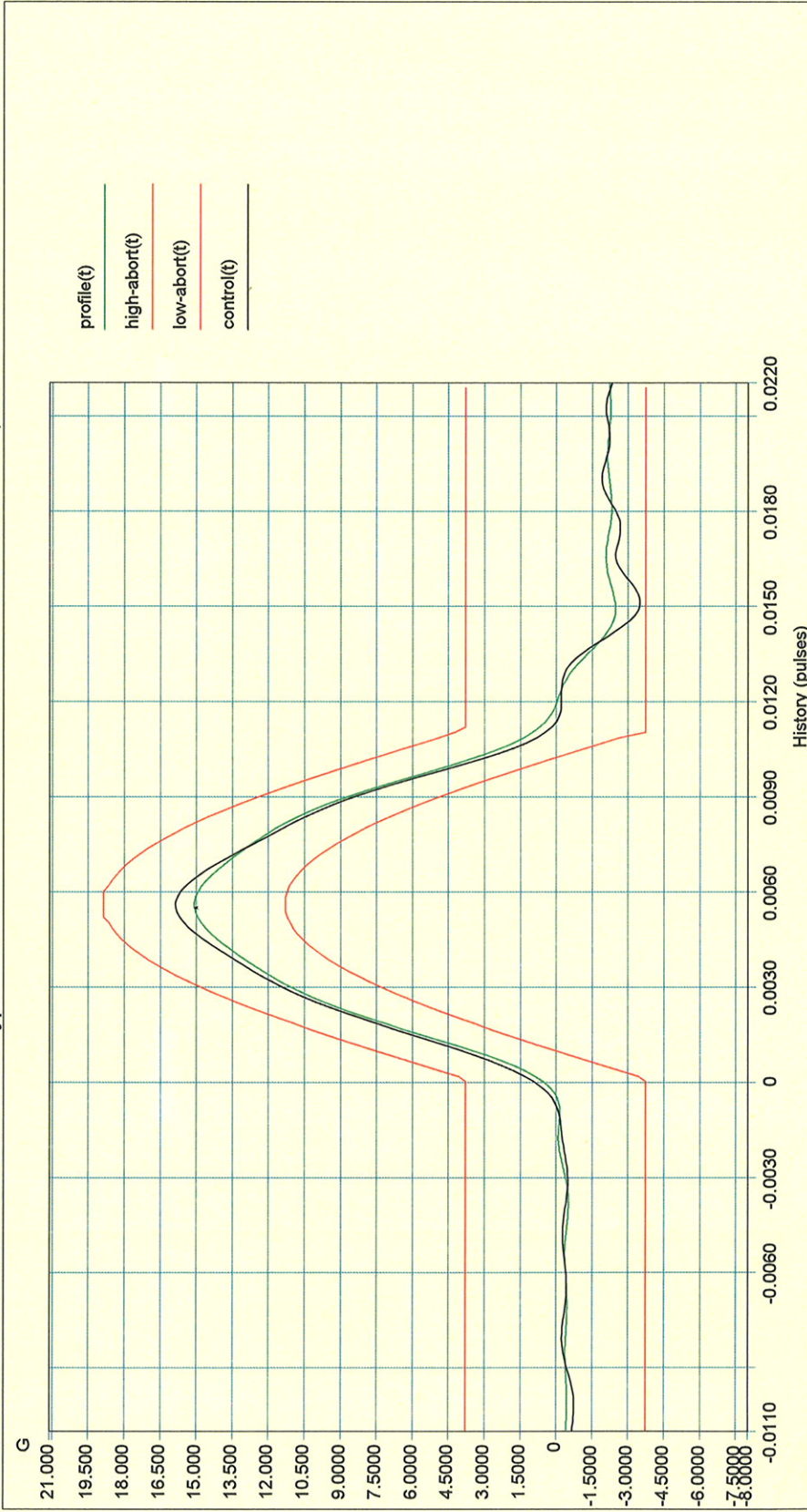
#### After test



Axis x

Project File Name: 15G 11ms 研陽(SHOCK).prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Nov 02, 2005 14-15-55



Level: 100 % Block Size: 2048 Elapsed Pulses: 13  
Frame Time: 0.341333 Seconds Control Peak: 15.772295 G Control RMS: 2.111138 G Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 2.011591 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms  
Data saved at 02:17:08 PM, Wednesday, November 02, 2005 Report created at 02:17:09 PM, Wednesday, November 2, 2005

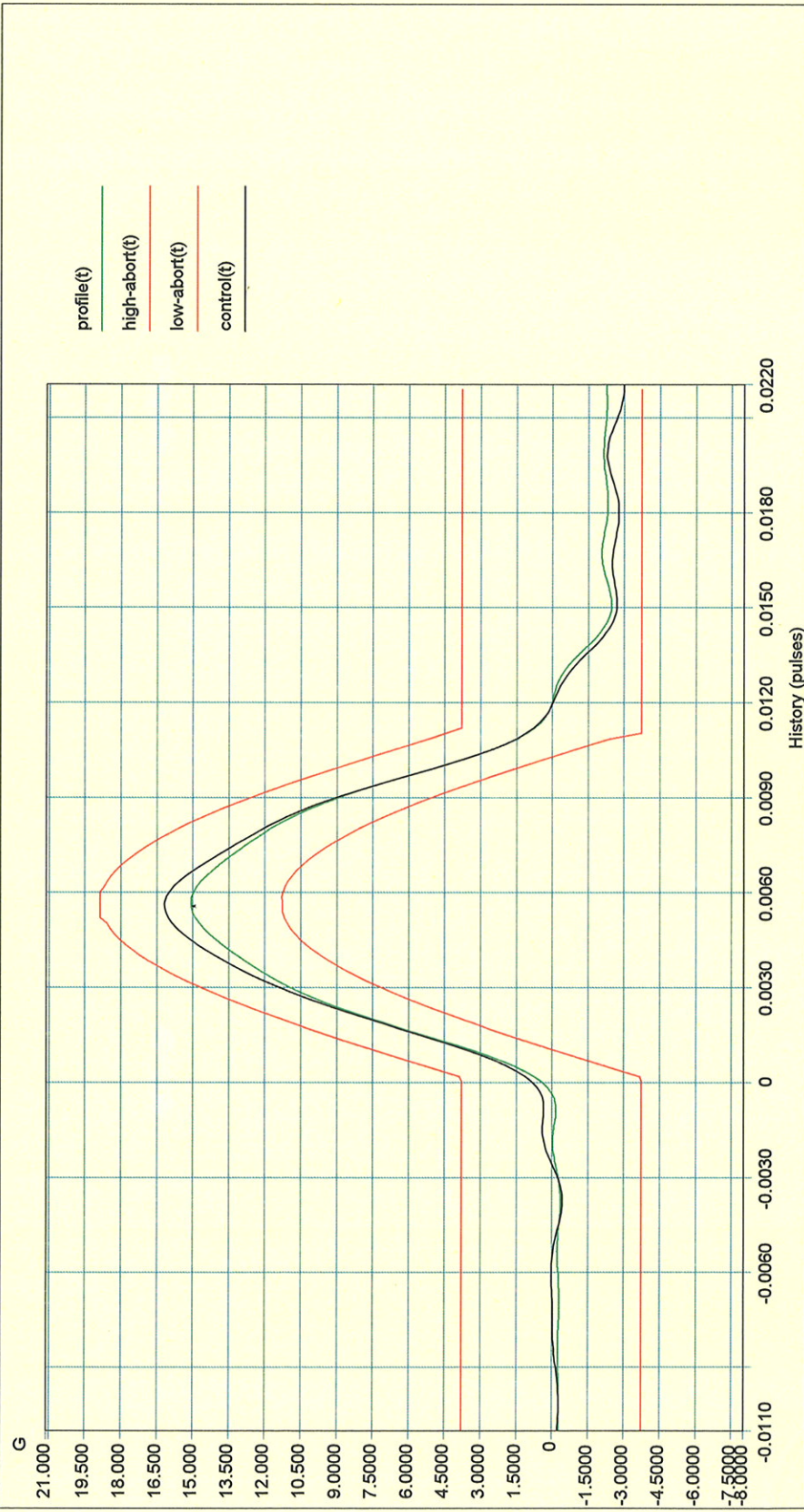
Axis -X

Project File Name: 15G 11ms 研陽(SHOCK).prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Nov 02,2005 15-30-51



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

Frame Time: 0.341333 Seconds Control Peak: 16.092691 G Control RMS: 2.170887 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 2.012407 G Remaining Pulses: 0

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

Data saved at 03:31:16 PM, Wednesday, November 02, 2005 Report created at 03:31:17 PM, Wednesday, November 2, 2005

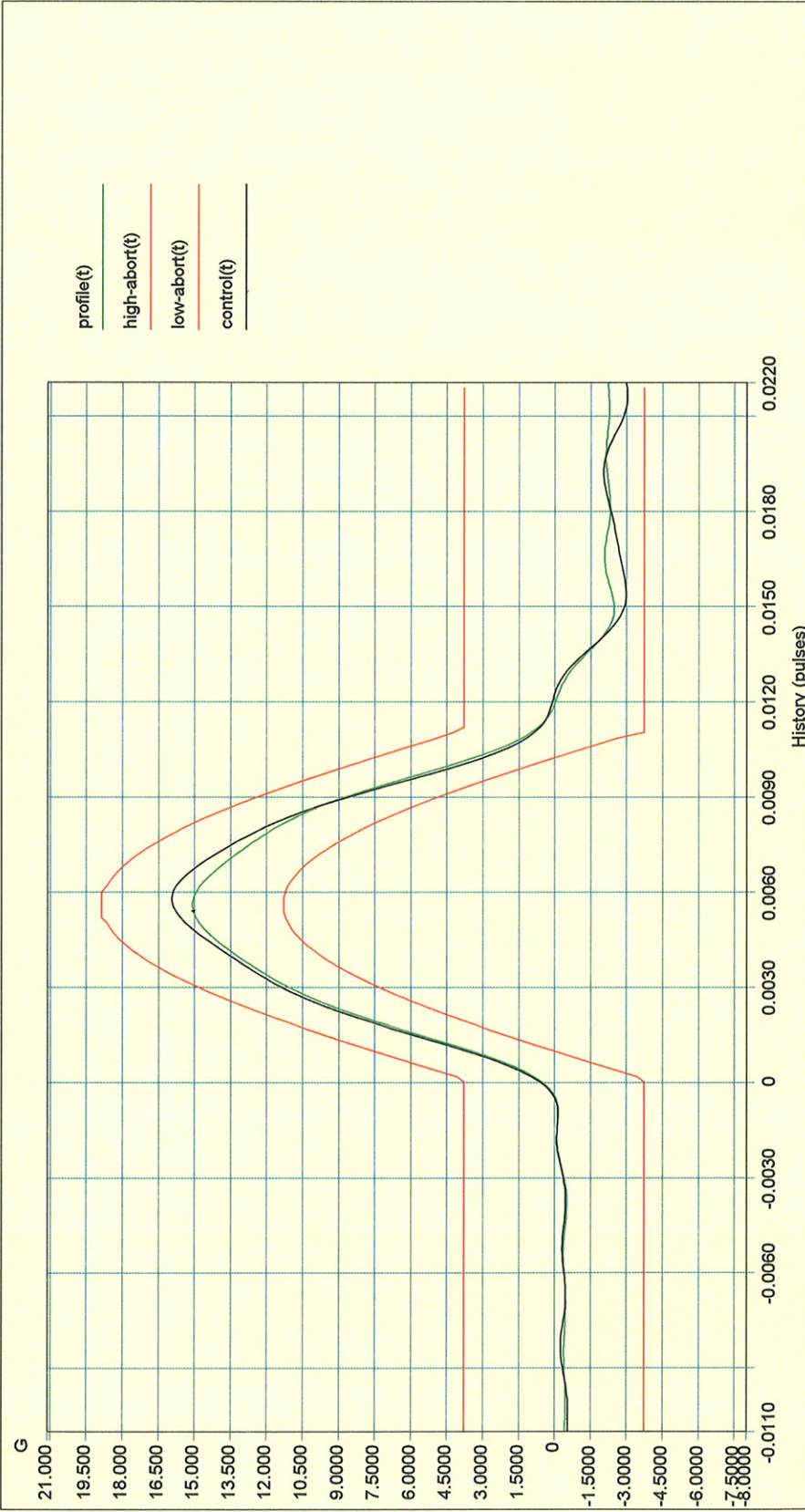
Axis y

Project File Name: 15G 11ms 研陽(SHOCK).prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .Run Nov 02, 2005 14-31-37



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

Frame Time: 0.341333 Seconds Control Peak: 15.856487 G Control RMS: 2.123681 G Full Level Elapsed Pulses: 3

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

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

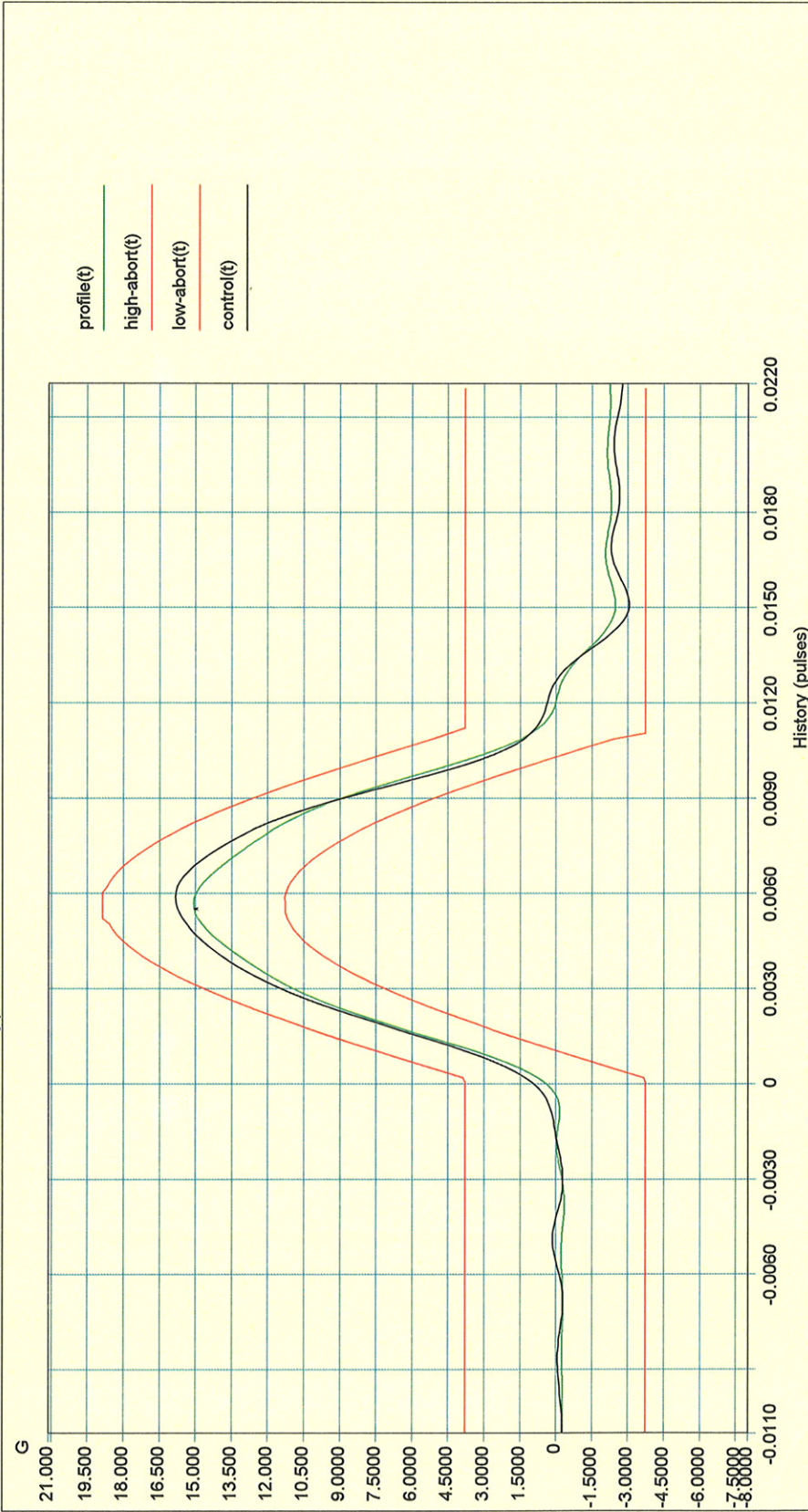
Data saved at 02:32:43 PM, Wednesday, November 02, 2005 Report created at 02:32:44 PM, Wednesday, November 2, 2005



Axis -y

Project File Name: 15G 11ms 研陽(SHOCK).prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Nov 02, 2005 15-26-36



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

Frame Time: 0.341333 Seconds Control Peak: 15.751425 G Control RMS: 2.170641 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 2.012407 G Remaining Pulses: 0

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

Data saved at 03:27:05 PM, Wednesday, November 02, 2005 Report created at 03:27:06 PM, Wednesday, November 2, 2005

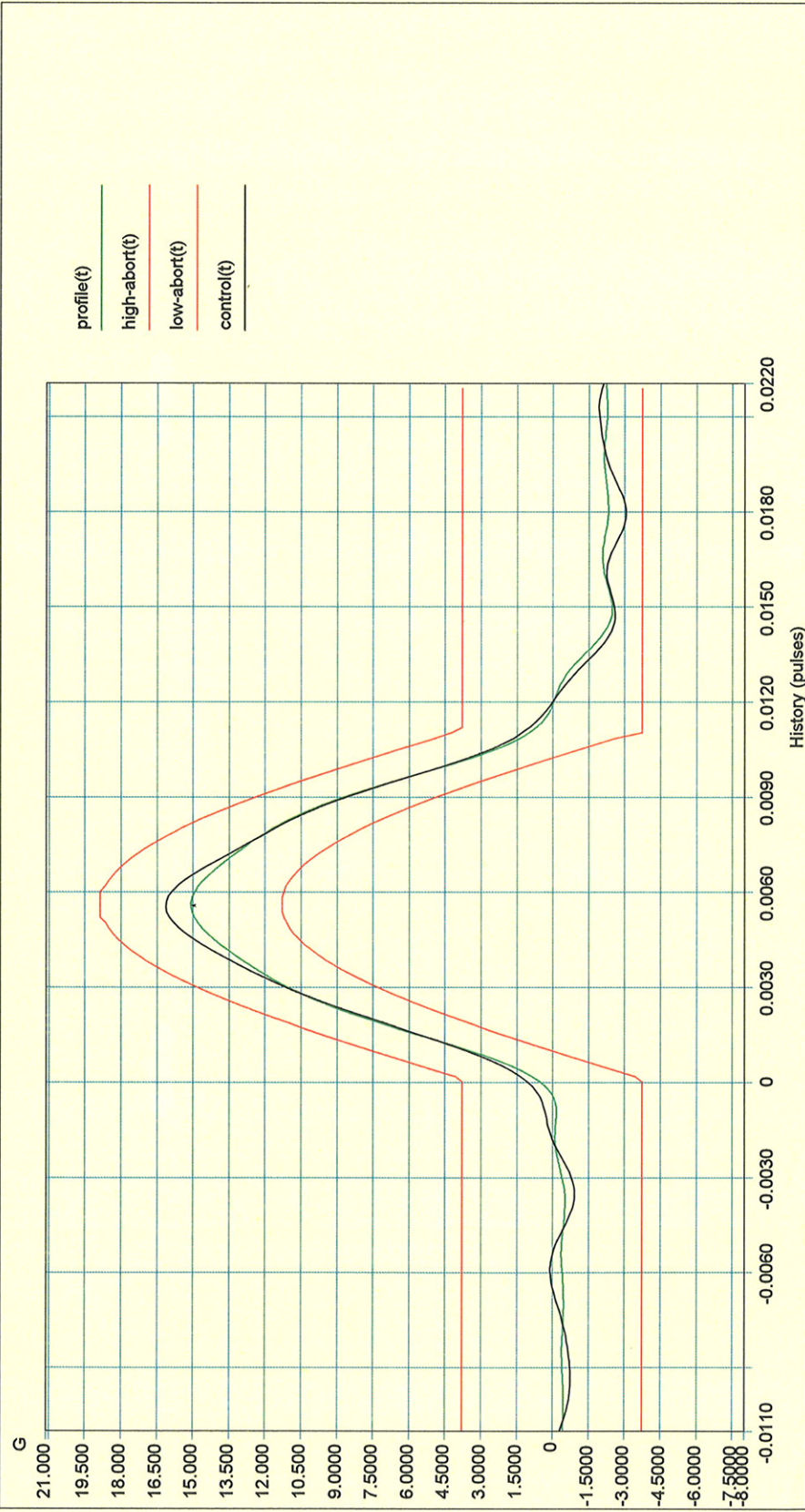
Axis Z

Project File Name: 15G 11ms 研場(SHOCK).prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Nov 02,2005 14-25-48



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

Frame Time: 0.341333 Seconds Control Peak: 16.049440 G Control RMS: 2.116540 G Full Level Elapsed Pulses: 3

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

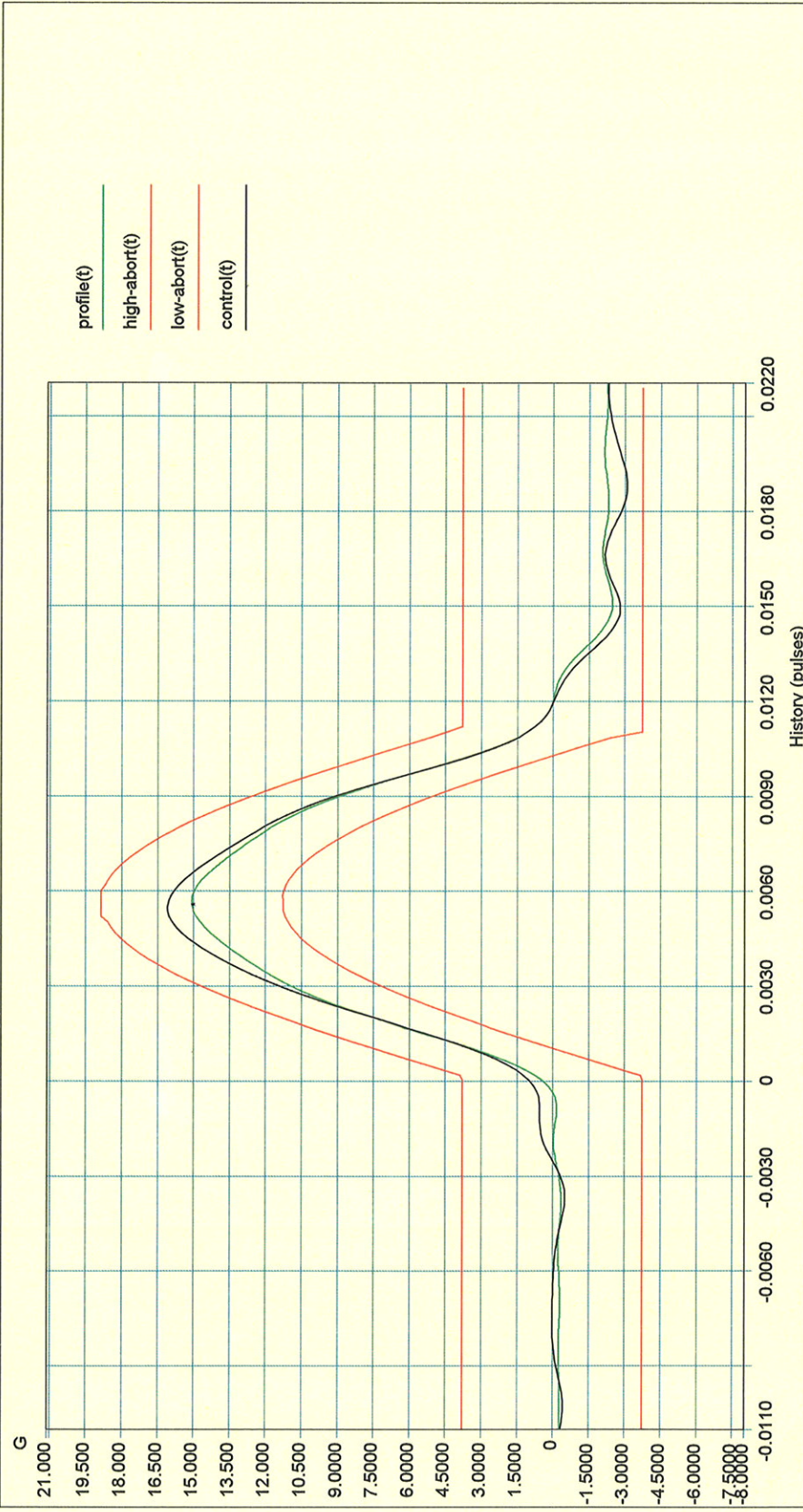
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 02:26:54 PM, Wednesday, November 02, 2005 Report created at 02:26:55 PM, Wednesday, November 2, 2005

Axis -z

Project File Name: 15G 11ms 研陽(SHOCK).prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Nov 02,2005 15-32-06



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

Frame Time: 0.341333 Seconds Control Peak: 15.995885 G Control RMS: 2.168682 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 2.012407 G Remaining Pulses: 0

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

Data saved at 03:32:29 PM, Wednesday, November 02, 2005 Report created at 03:32:30 PM, Wednesday, November 2, 2005