

## TESTING / INSPECTION REPORT

DATE : March 25, 2005  
REPORT NO : ST-050325-5

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SPECIMEN : APC-8122

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

REMARKS :

- The results only apply to the device under test.
- This report is 9 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.



|                         |                               |
|-------------------------|-------------------------------|
| Test Engineer : Wade    |                               |
| Approved by : David Lee | Laboratory Head : Chiung Chan |

## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT :

1. Shock Tester : KING DESIGN (KD-9363EM-1000F2K-50N120,  
S/N : GUG02102091)  
2. Controller : DACTRON (FRONT-End Box, S/N:7459933)  
3. Control Accelerometer : Wilcoxon Research (WR-777 , S/N:4207)

### TEST ENVIRONMENT :

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

### SPECIMEN :

Model : APC-8122  
Quantity : 1 piece

### SHOCK TEST SPECIFICATION :

Wave Form : Half sine wave  
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. |      |      |                             |

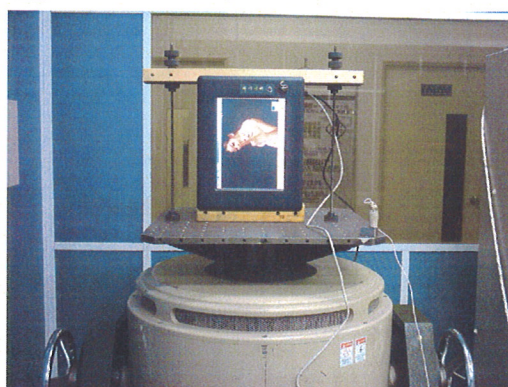
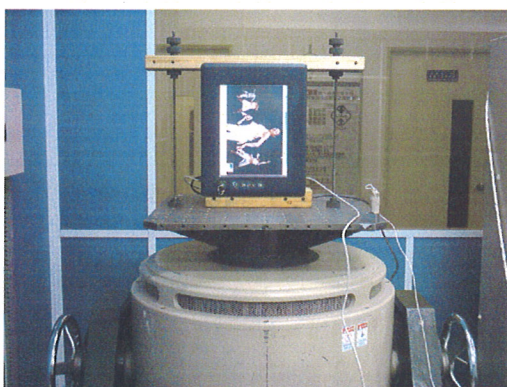


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### Testing photos

#### APC-8122

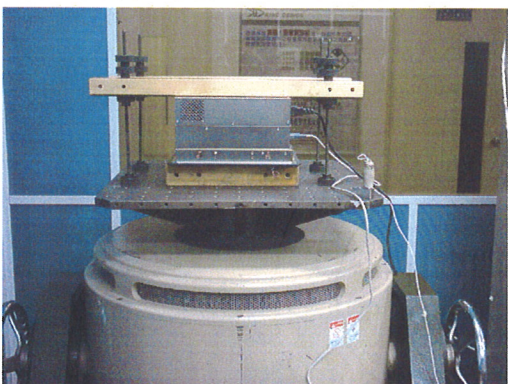
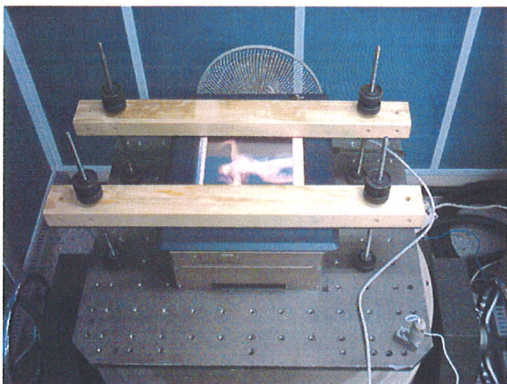
#### AXIS $\pm$ X



#### AXIS $\pm$ Y



#### AXIS $\pm$ Z





# Axis X

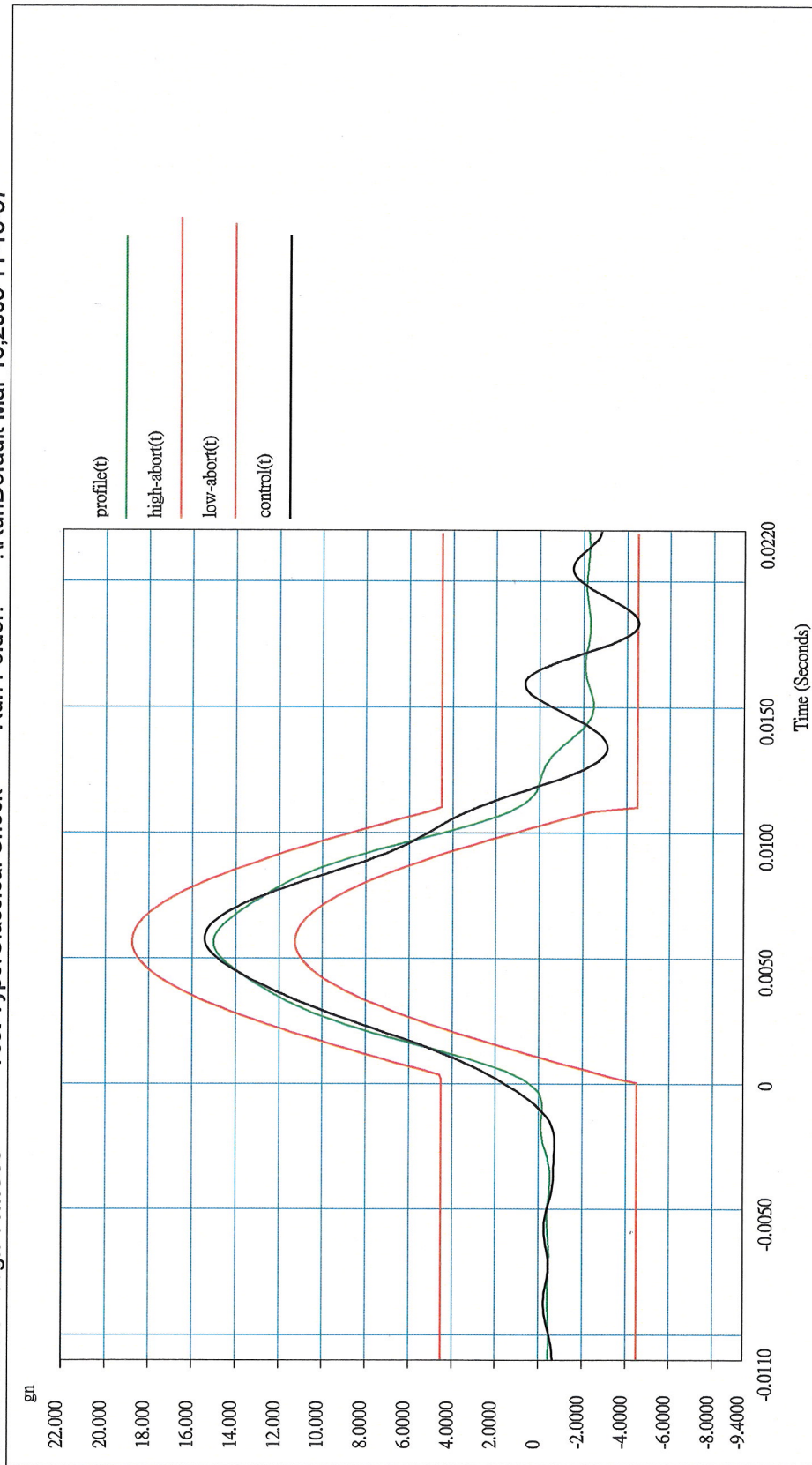
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Mar 18, 2005 11-13-57



Level: 100 %Block Size: 4096 Elapsed Pulses: 10 Frame Time: 0.682667 Seconds Control Peak: 15.415233 gn

Control RMS: 1.558133 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 14.999999 gn

Demand RMS: 1.476277 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms

Data saved at 11:14:17 AM, Friday, March 18, 2005 Report created at 11:14:31 AM, Friday, March 18, 2005

Axis -X

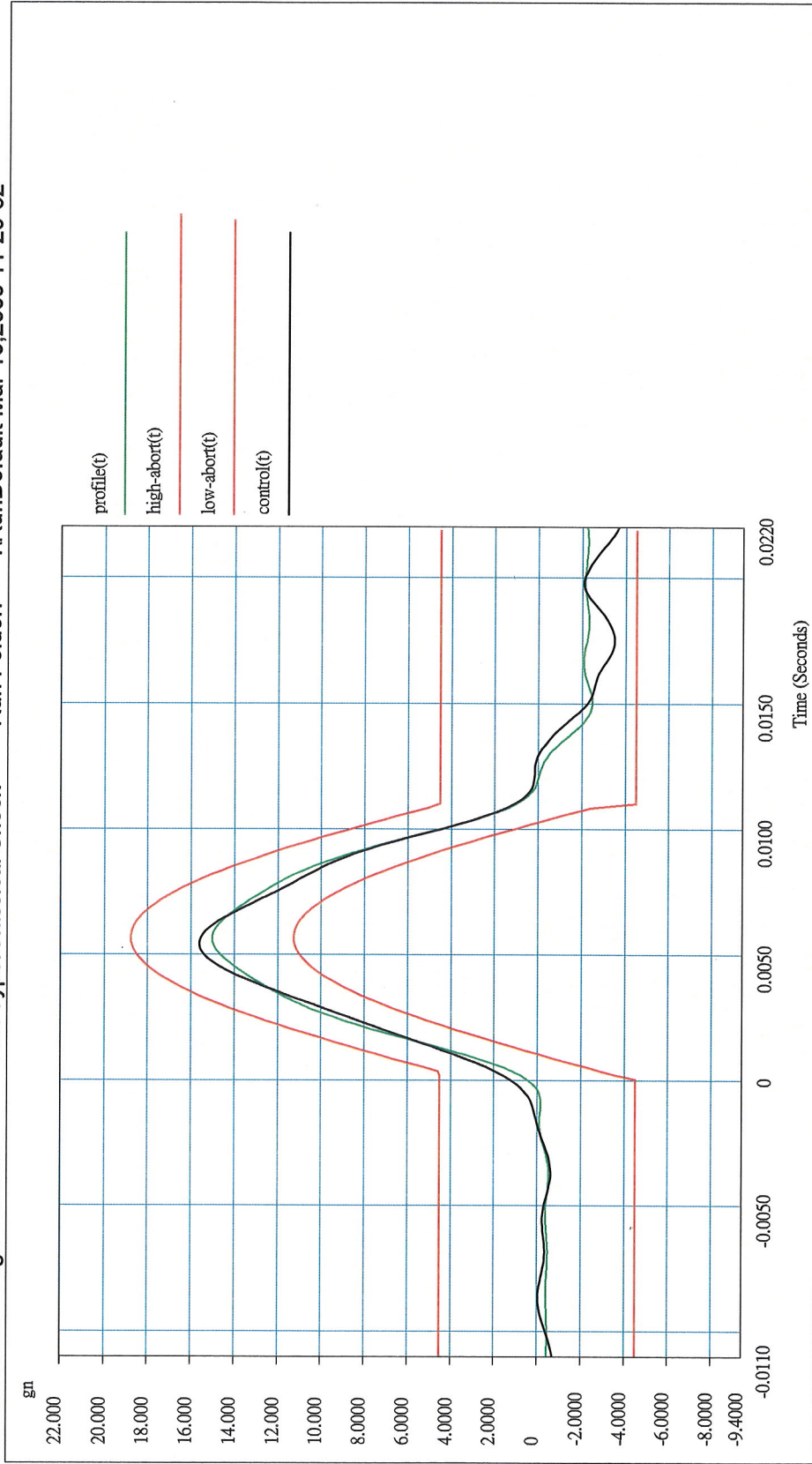
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Mar 18, 2005 11:20:32



Level: 100 %Block Size: 4096Elapsed Pulses: 10 Frame Time: 0.682667 Seconds Control Peak: 15.592879 gn  
Control RMS: 1.508724 gnFull Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 14.999999 gn  
Demand RMS: 1.476277 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:20:53 AM, Friday, March 18, 2005 Report created at 11:20:55 AM, Friday, March 18, 2005

Axis Y

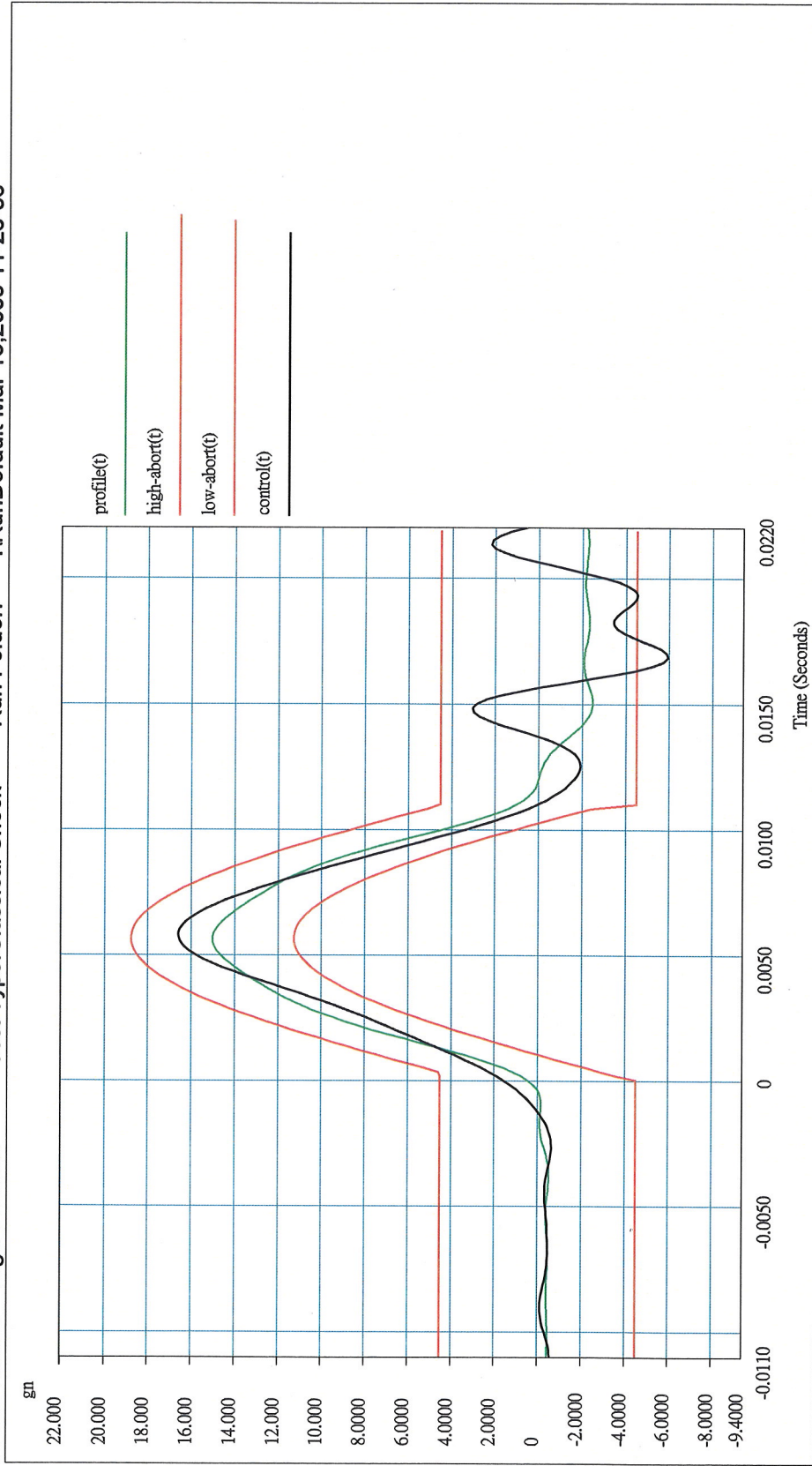
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Mar 18, 2005 11-26-56



Level: 100 %Block Size: 4096Elapsed Pulses: 10 Frame Time: 0.682667 Seconds Control Peak: 16.577435 gn  
Control RMS:1.570556 gnFull Level Elapsed Pulses: 3dT: 0.000167 Seconds Demand Peak: 14.999999 gn  
Demand RMS: 1.476277 gnRemaining Pulses: 0 Pulse Type:Half SineAmplitude:14.999999 gn Pulse Width:11.000001 ms  
Data saved at 11:28:18 AM, Friday, March 18, 2005 Report created at 11:28:20 AM, Friday, March 18, 2005



Axis -Y

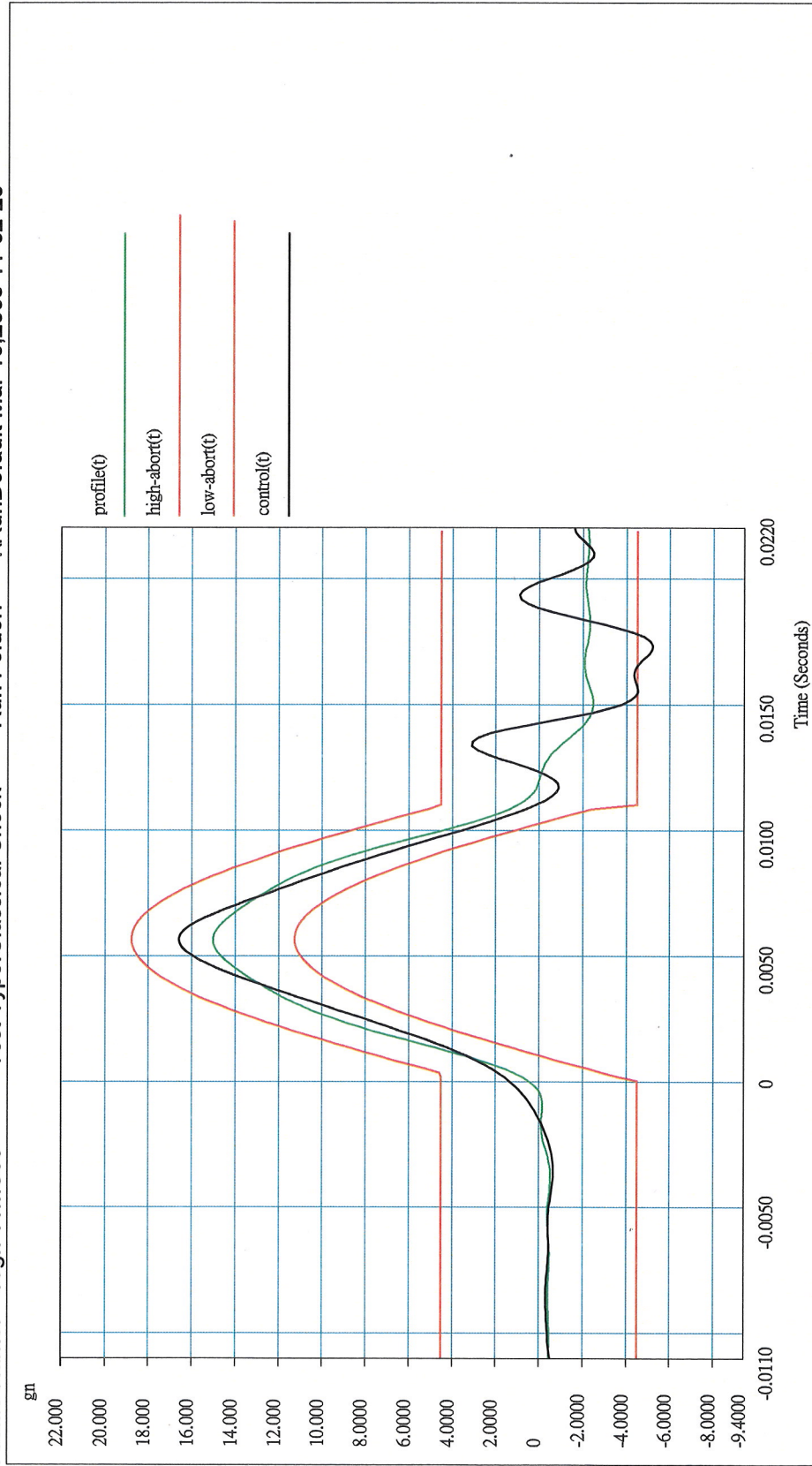
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.RunDefault Mar 18, 2005 11:32:20



Level: 100 %Block Size: 4096 Elapsed Pulses: 10 Frame Time: 0.682667 Seconds Control Peak: 16.575893 gn

Control RMS: 1.537186 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 14.999999 gn

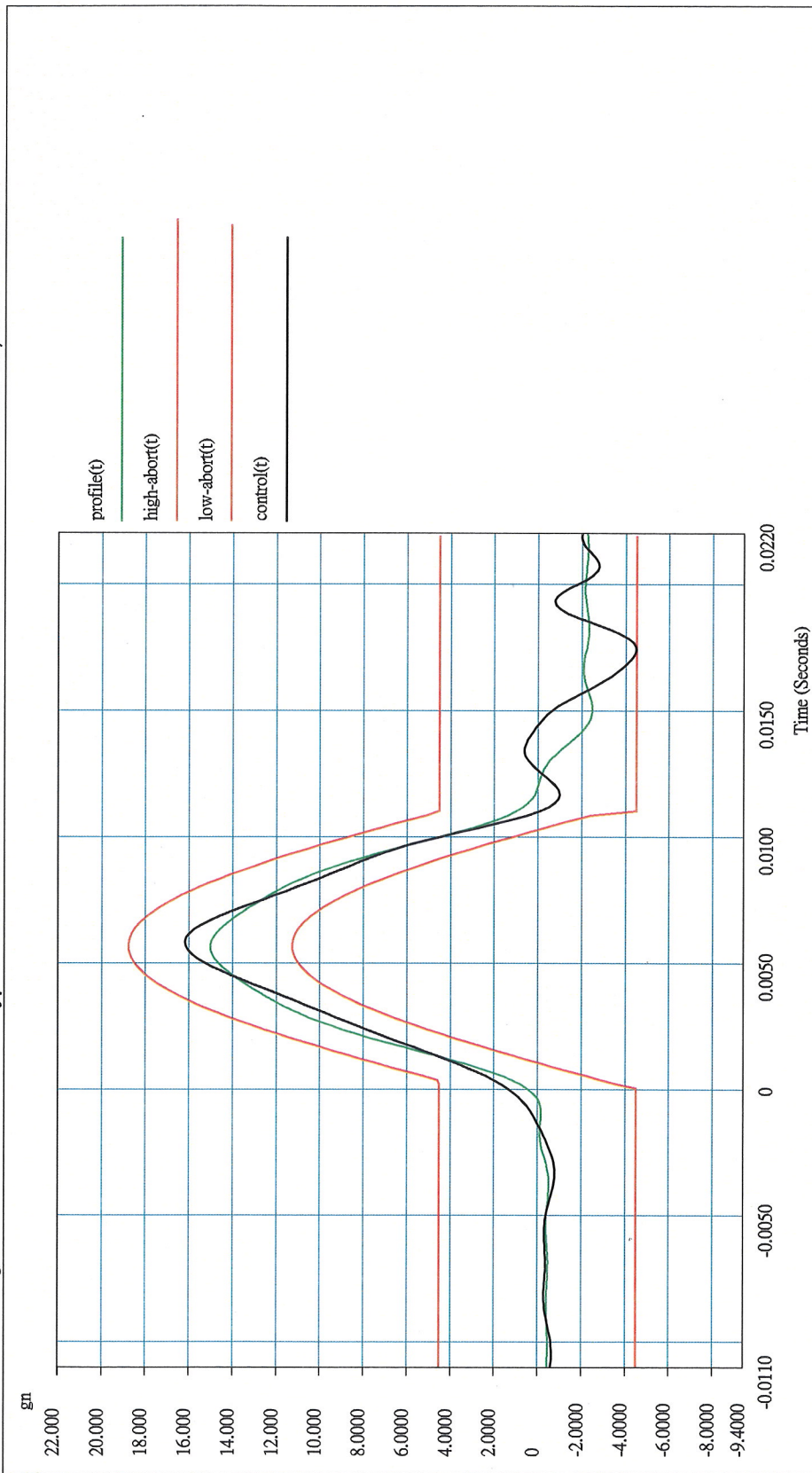
Demand RMS: 1.476277 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.0000001 ms

Data saved at 11:32:42 AM, Friday, March 18, 2005 Report created at 11:32:43 AM, Friday, March 18, 2005

# Axis Z

Project File Name: Untitled

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 18, 2005 11-42-01



Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Frame Time: 0.682667 Seconds Control Peak: 16.166374 gn  
Control RMS: 1.496578 gn Full Level Elapsed Pulses: 3 dt:0.000167 Seconds Demand Peak: 14.999999 gn  
Demand RMS: 1.476277 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 11:42:22 AM, Friday, March 18, 2005 Report created at 11:42:23 AM, Friday, March 18, 2005



# Axis -Z

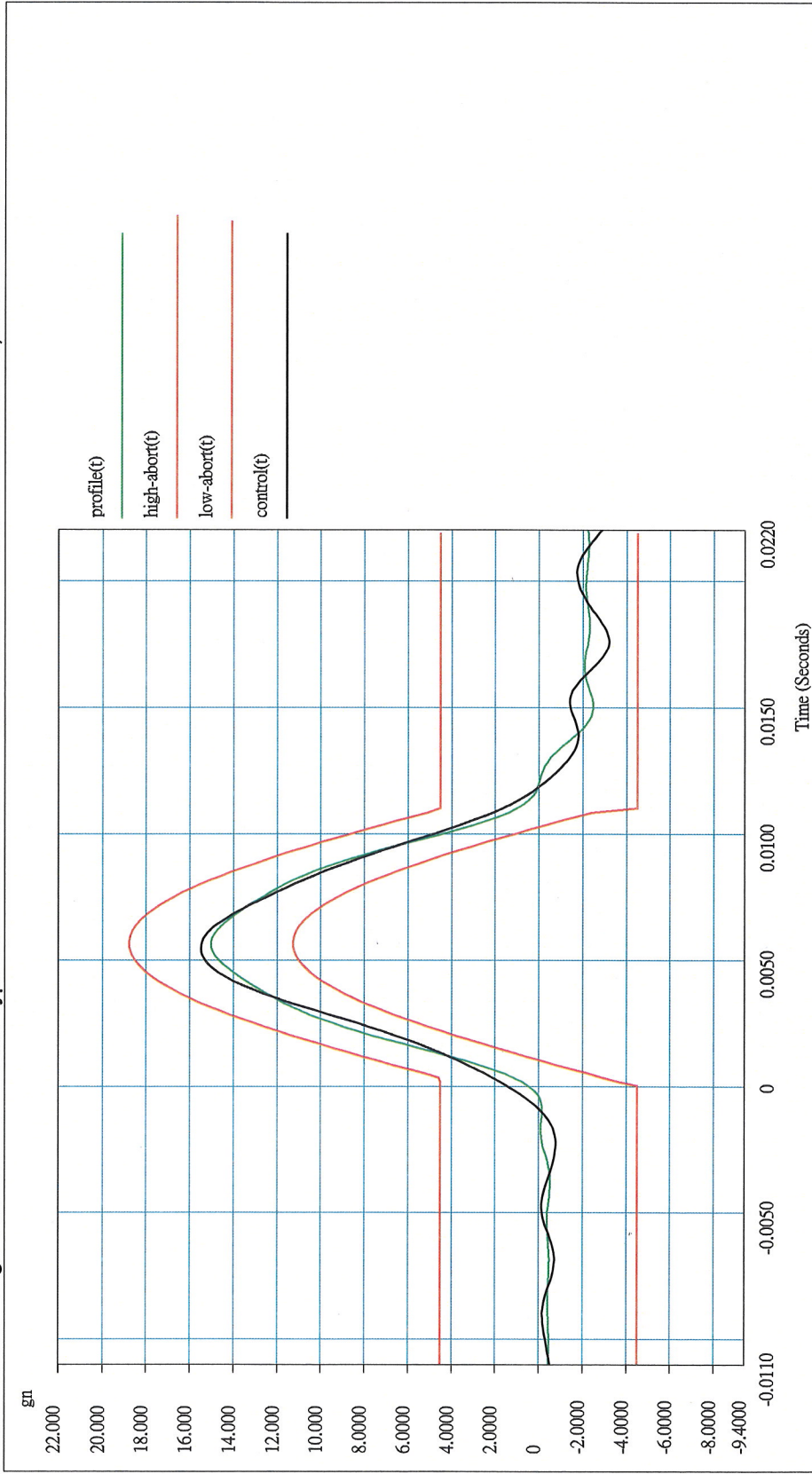
Project File Name: Untitled

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder:

.\RunDefault Mar 18,2005 11:49:30



Level: 100 %Block Size: 4096 Elapsed Pulses:10 Frame Time: 0.682667 Seconds Control Peak: 15.472390 gn

Control RMS: 1.503054 gn Full Level Elapsed Pulses: 3 dT:0.000167 Seconds Demand Peak: 14.999999 gn

Demand RMS: 1.476277 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width:11.000001 ms

Data saved at 11:49:51 AM, Friday, March 18, 2005 Report created at 11:49:52 AM, Friday, March 18, 2005