

## TESTING / INSPECTION REPORT

DATE : November 27, 2006  
REPORT NO : ST-061128-1

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SPECIMEN : AOP-8070HT

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>Lynn Chen</i>          |  |
| Approved by : <i>2006.11.29 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 : 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 : AOP-8070HT
- Quantity : 1 piece

### SHOCK TEST SPECIFICATION :

- Wave Form : Half sine wave
- Acceleration : 30 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  | √    | ---  | ---          |



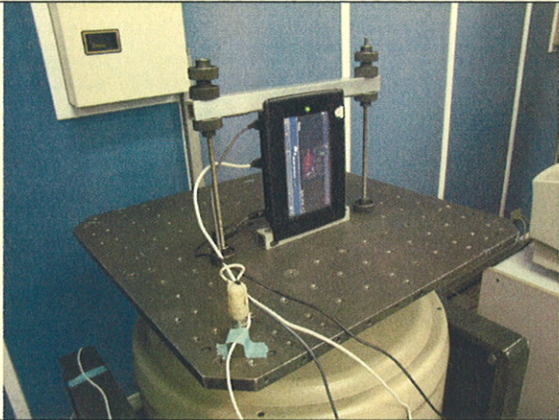
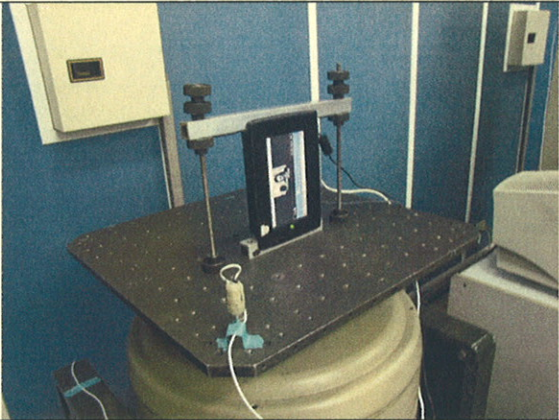

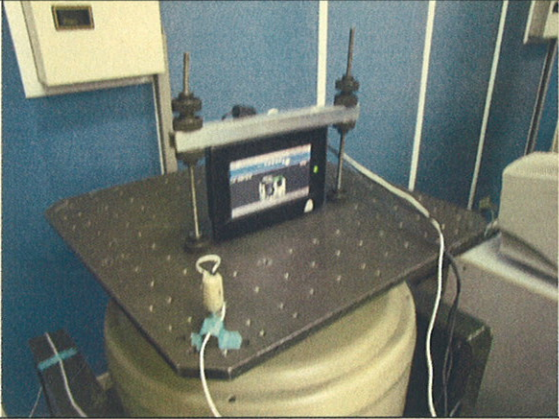


## TESTING / INSPECTION REPORT

### Testing photos





**TESTING / INSPECTION REPORT**

| Testing photos  |  |
|---|--|
| <b>AXIS X</b>   | <b>AXIS -X</b>   |
|   |   |
| <b>AXIS Y</b>   | <b>AXIS -Y</b>   |
|  |  |
| <b>AXIS Z</b>   | <b>AXIS -Z</b>   |
|  |  |



## TESTING / INSPECTION REPORT

### Testing photos

#### After test

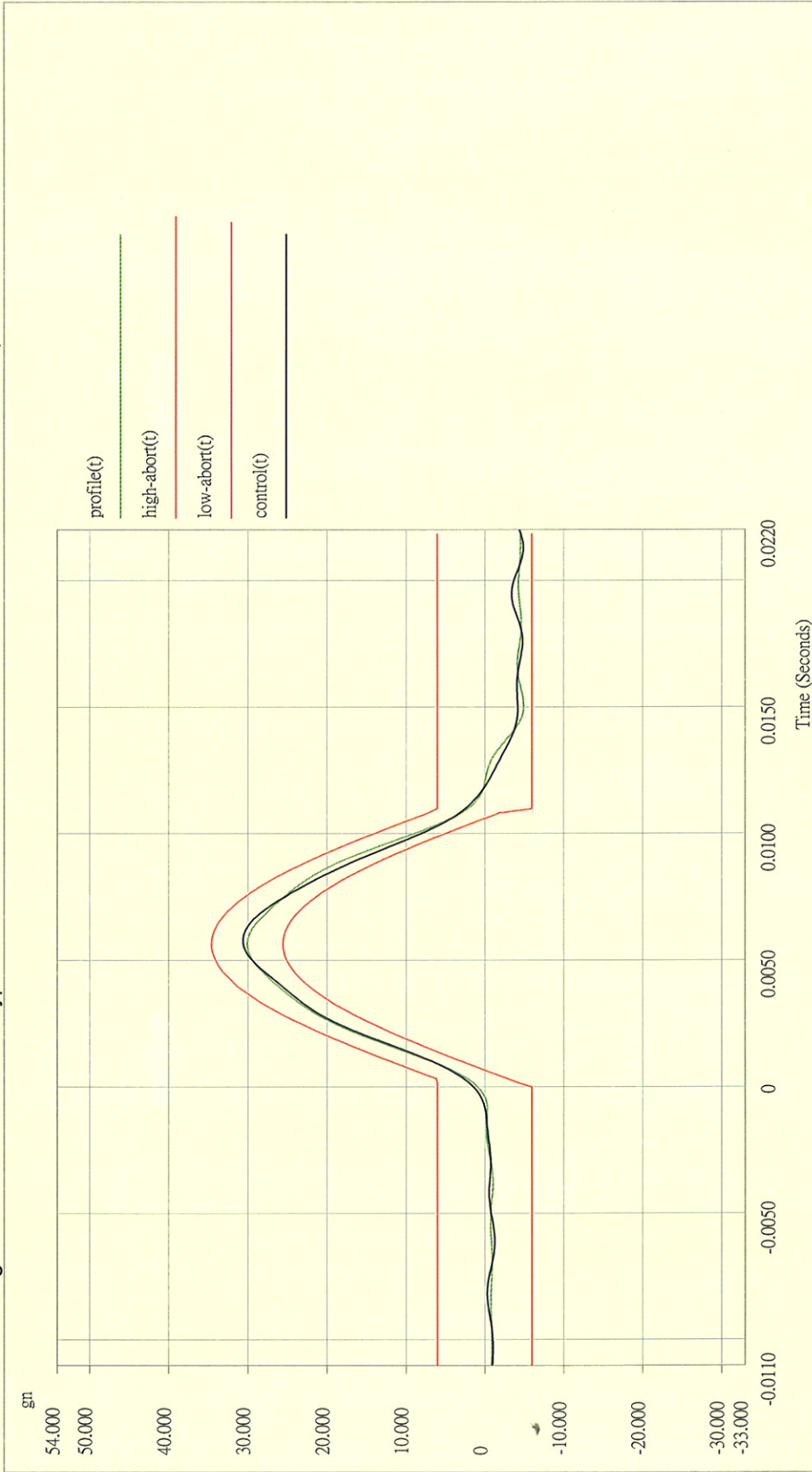




Axis X

Project File Name: 研揚 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-26-48



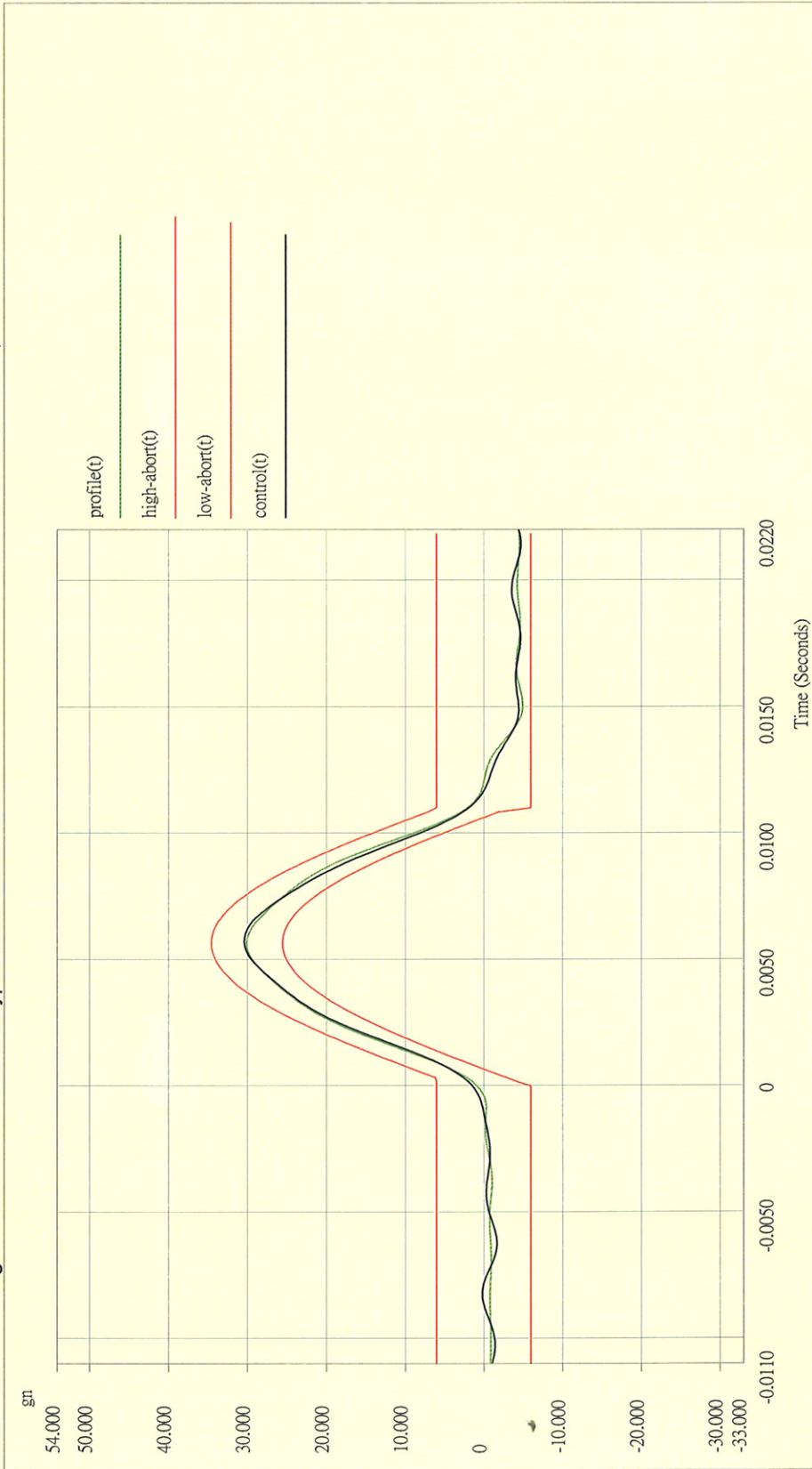
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.515358 gn  
Control RMS: 2.942539 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:27:20 AM, Monday, November 27, 2006 Report created at 10:27:23 AM, Monday, November 27, 2006



Axis -X

Project File Name: 研揚 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-28-14



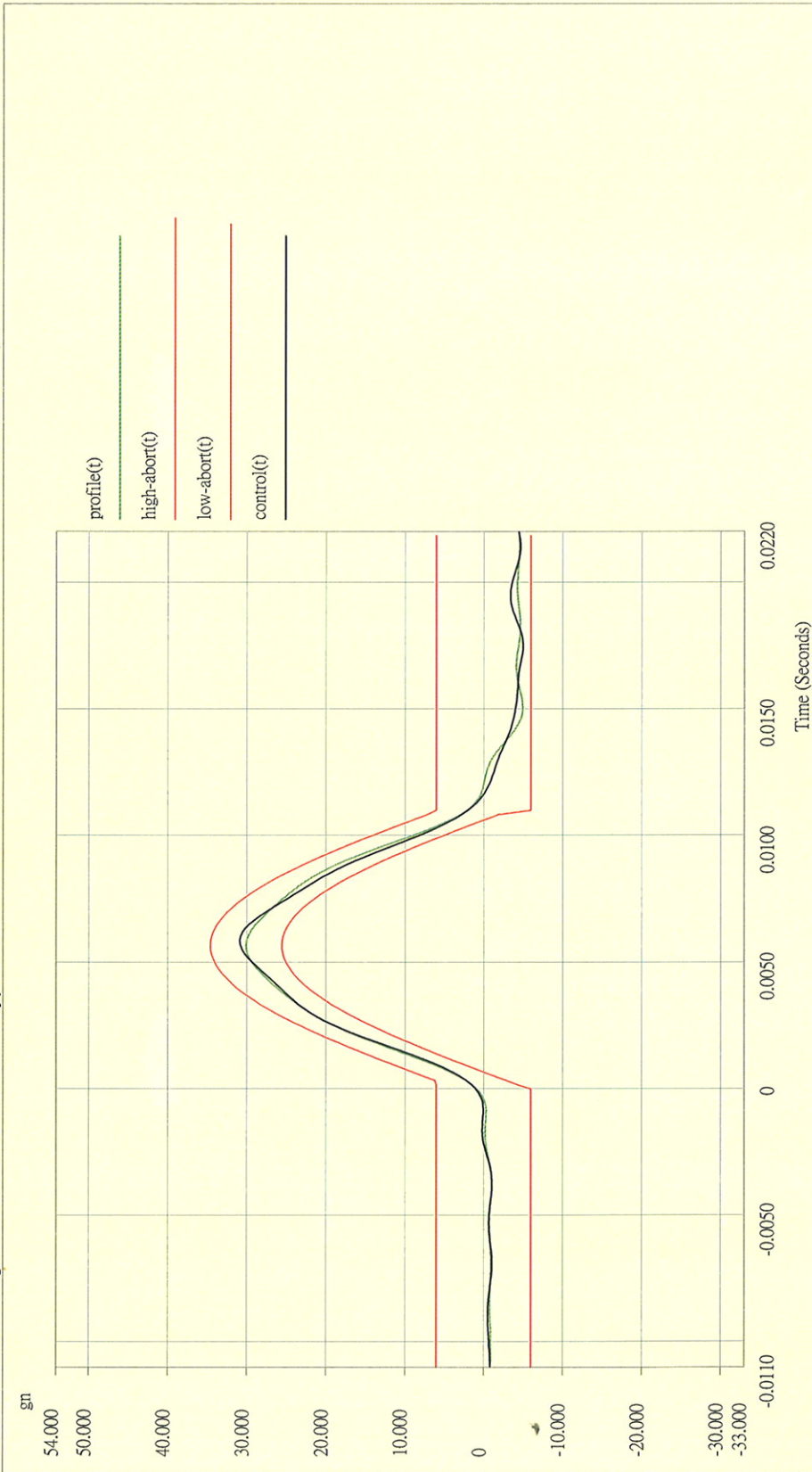
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.324432 gn  
Control RMS: 2.946597 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:28:42 AM, Monday, November 27, 2006 Report created at 10:28:45 AM, Monday, November 27, 2006



Axis Y

Project File Name: 研揚 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-30-14



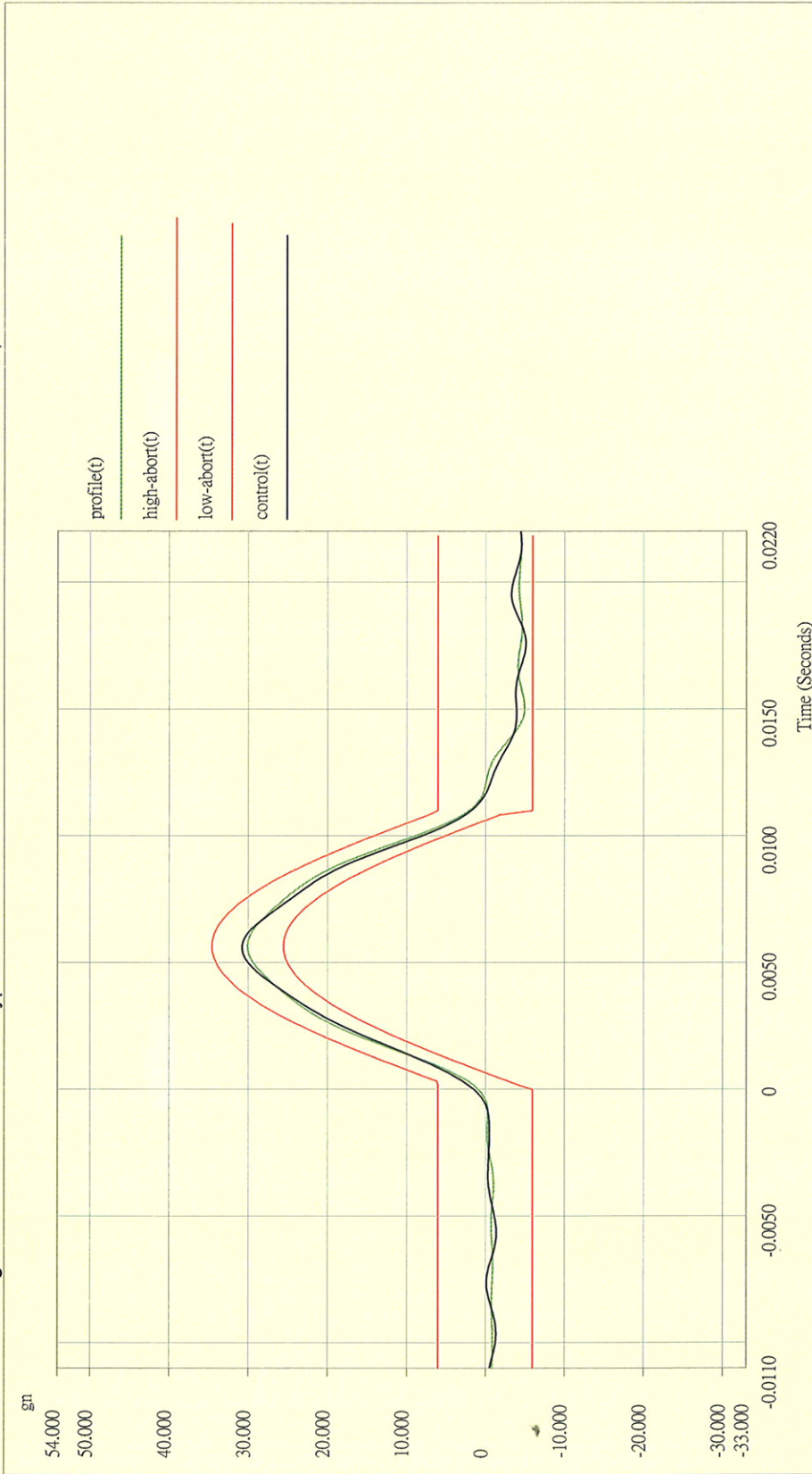
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.783482 gn  
Control RMS: 2.946570 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:30:42 AM, Monday, November 27, 2006 Report created at 10:30:45 AM, Monday, November 27, 2006



Axis -Y

Project File Name: 研揚 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-31-41



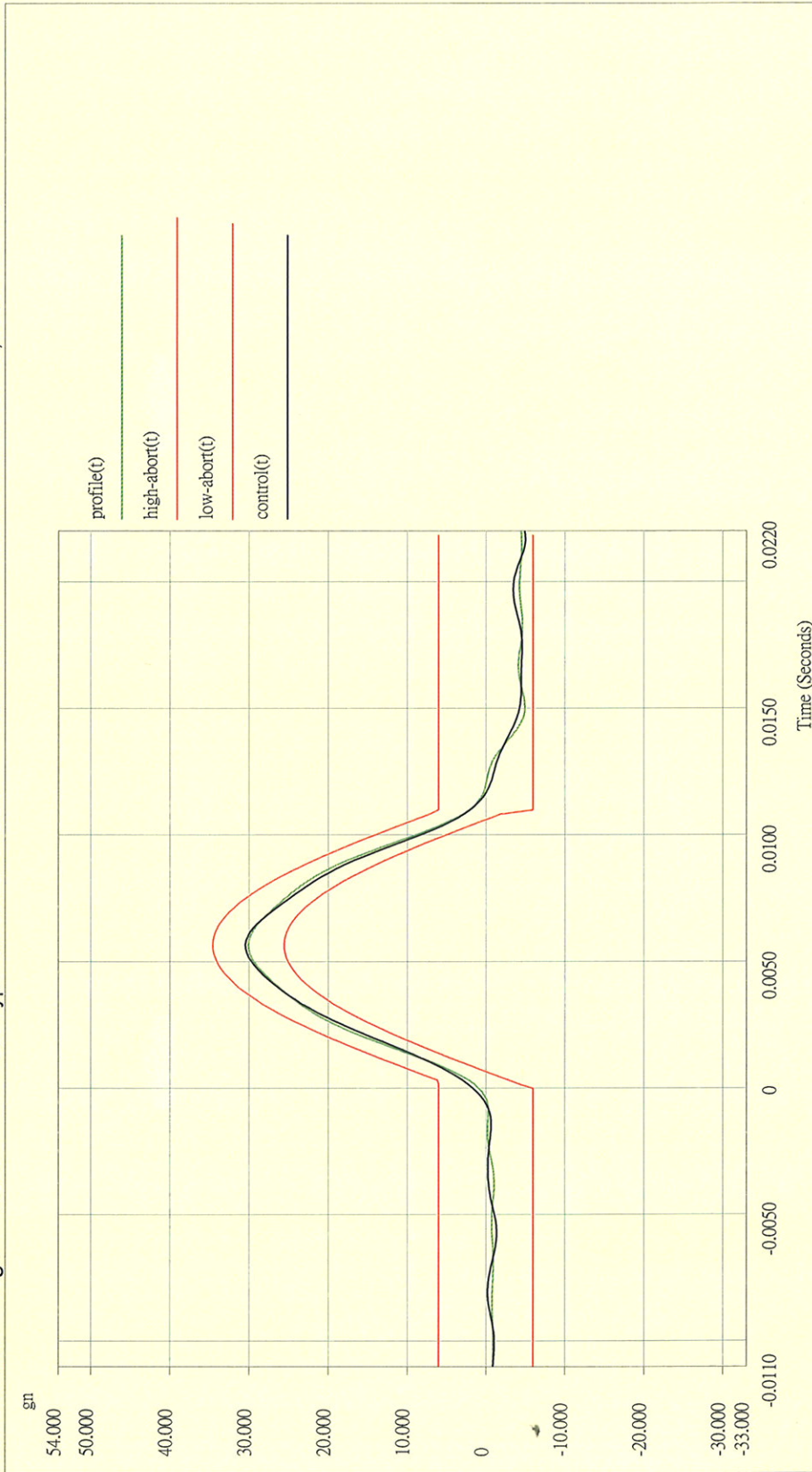
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.687450 gn  
Control RMS: 2.946087 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:32:07 AM, Monday, November 27, 2006 Report created at 10:32:10 AM, Monday, November 27, 2006



Axis Z

Project File Name: 研揚 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-21-03



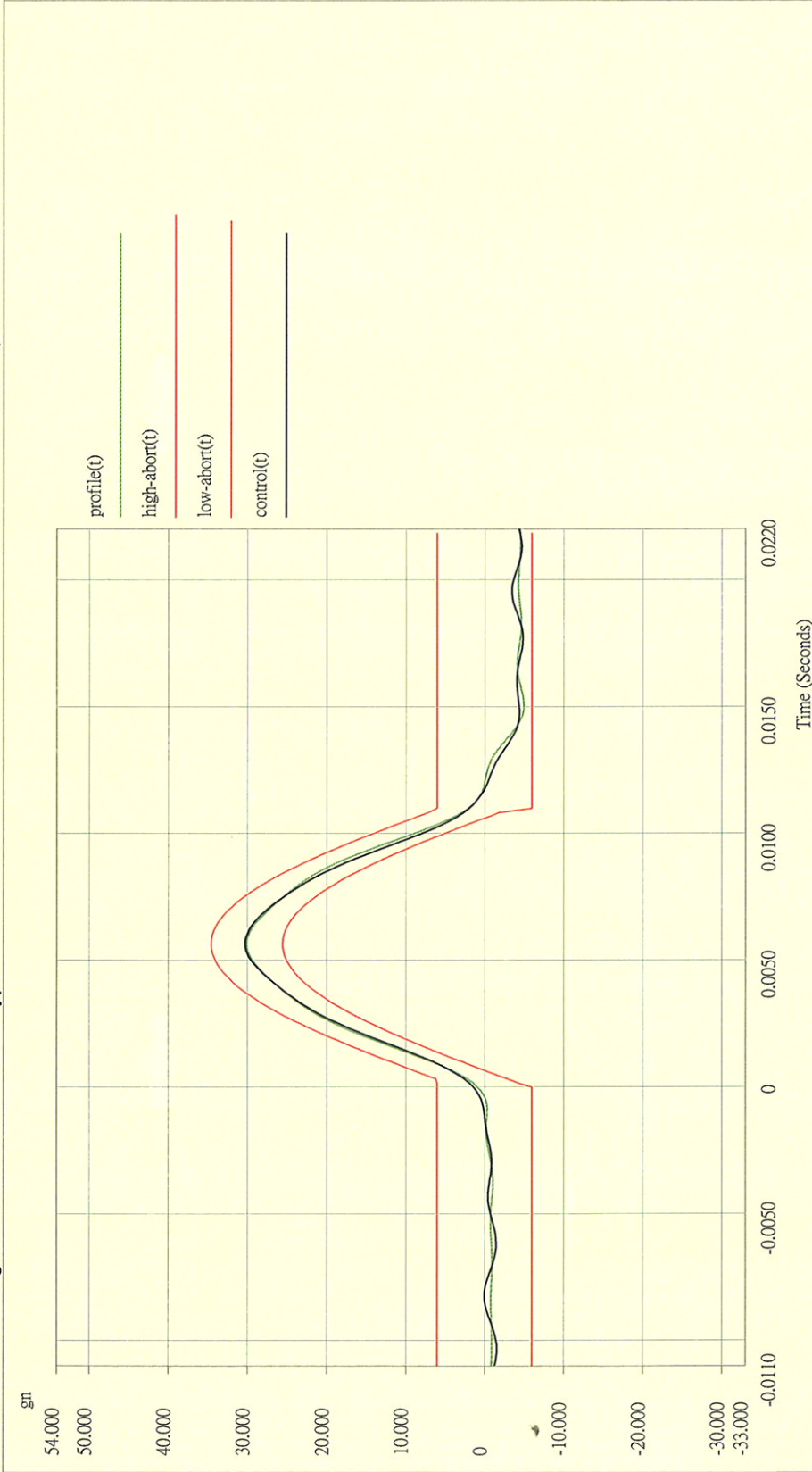
Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.342175 gn  
Control RMS: 2.942348 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:21:30 AM, Monday, November 27, 2006 Report created at 10:21:32 AM, Monday, November 27, 2006



Axis -Z

Project File Name: 研場 30g 11ms.prj

Profile Name: 30gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 27,2006 10-24-20



Level: 100 % Block Size: 4096 Elapsed Pulses: 13 Frame Time: 0.682667 Seconds Control Peak: 30.191597 gn  
Control RMS: 2.948739 gn Full Level Elapsed Pulses: 3 dT: 0.000167 Seconds Demand Peak: 29.999998 gn  
Demand RMS: 2.952554 gn Remaining Pulses: 0 Pulse Type: Half Sine Amplitude: 29.999998 gn Pulse Width: 11.000001 ms  
Data saved at 10:24:46 AM, Monday, November 27, 2006 Report created at 10:24:49 AM, Monday, November 27, 2006