



**KING DESIGN INDUSTRIAL CO., LTD.**

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Reliability & Communications Testing Instruments

**VIBRATION LABORATORY**

<http://www.king-design.com.tw>

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### TESTING / INSPECTION REPORT

DATE : April 23, 2004

REPORT NO : ST-040423-4

COMPANY : AAEON Technology Inc.

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 : APC-8152 / APD-7211

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

REMARKS :

- The results only apply to the device under test.
- This report is 16 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer :	<i>Dennis</i>	Laboratory Head :	<i>Dennis</i>
Approved by :	<i>David</i>		





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## TESTING / INSPECTION REPORT

### TESTING EQUIPMENT:

1. Shock Tester : KING DESIGN (KD-9363-600P2K-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 : 24±2℃  
Humidity : 70±20% RH

### SPECIMEN:

Model : APC-8152 / APD-7211  
Quantity : Each model 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:

Appearance check : No damage  
Function check : Normal



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## TESTING / INSPECTION REPORT

Testing photos

APC-8152

AXIS 1X



AXIS 1Y



AXIS 1Z





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## TESTING / INSPECTION REPORT

Testing photos

APD-7211

AXIS ±X



AXIS ±Y



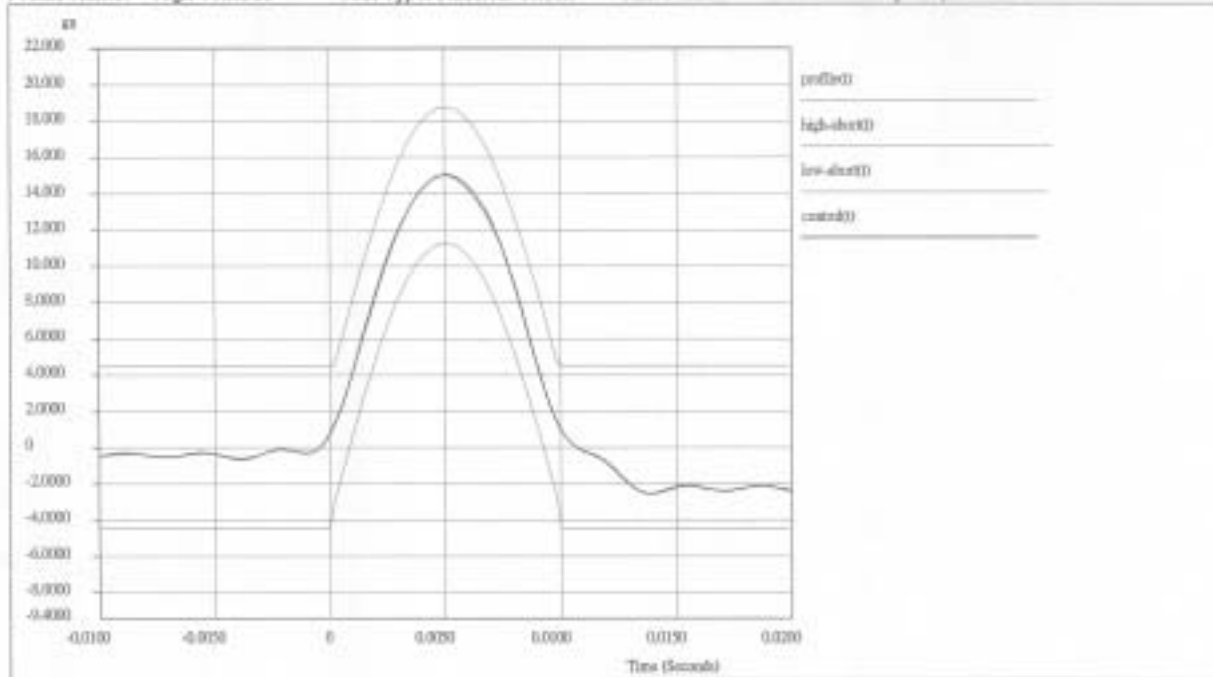
AXIS ±Z



Axis X

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 14-54-39

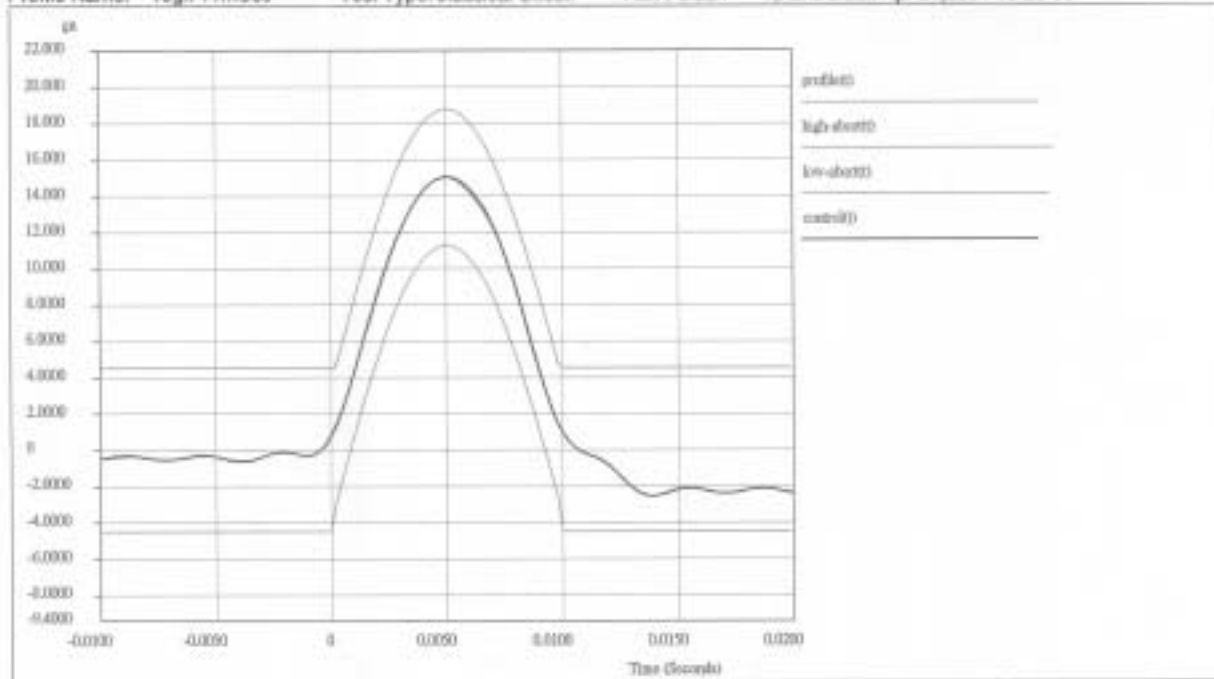


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.224305 gn Control RMS: 1.432361 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 02:54:59 PM, Wednesday, April 21, 2004 Report created at 02:55:12 PM, Wednesday, April 21, 2004

Axis -X

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 16-25-05

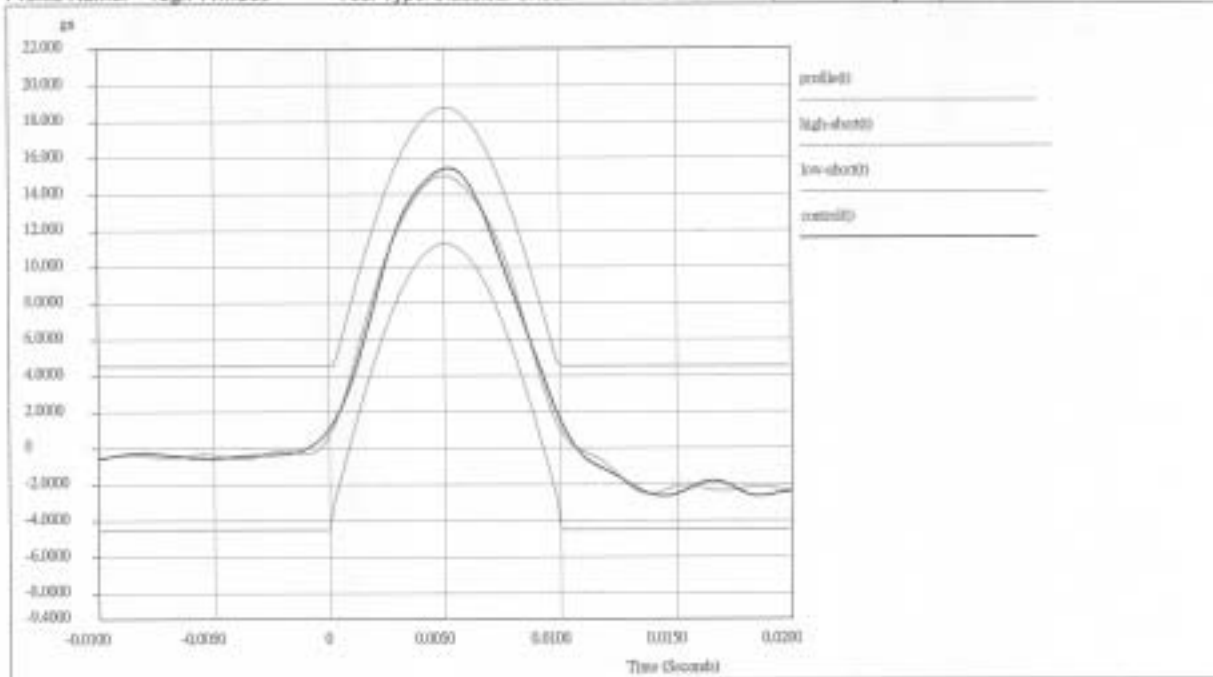


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.029323 gn Control RMS: 1.431043 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 04:25:26 PM, Wednesday, April 21, 2004 Report created at 04:25:32 PM, Wednesday, April 21, 2004

Axis Y

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 14-33-46

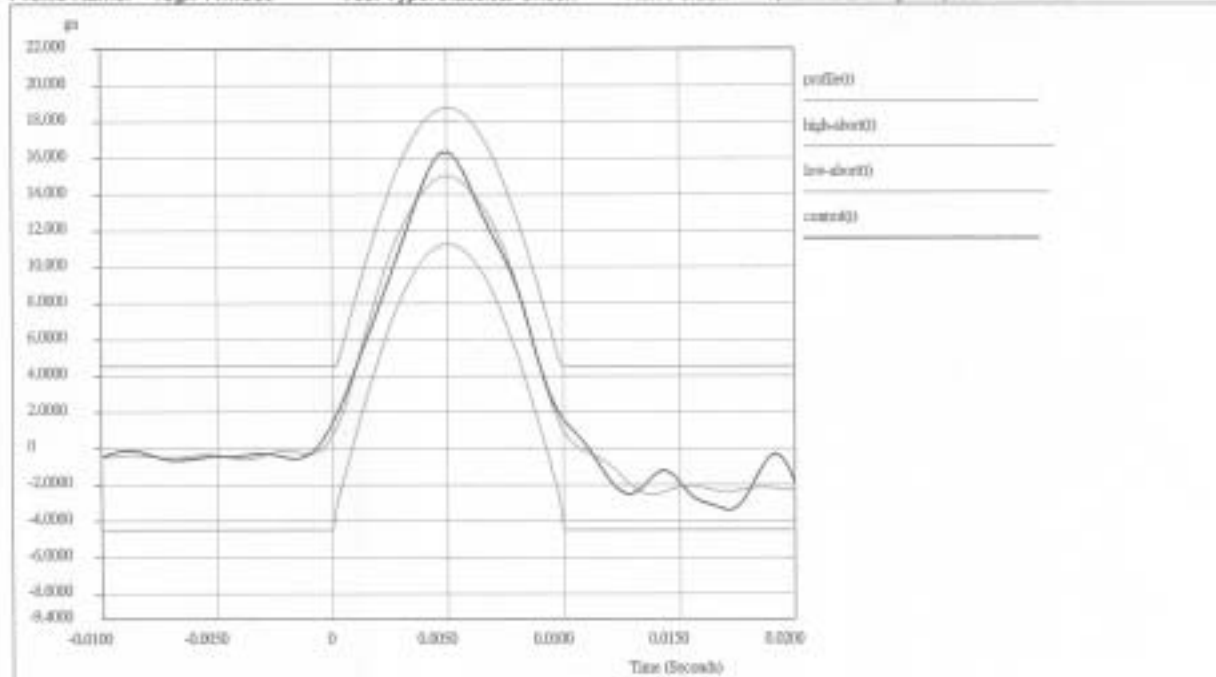


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.425469 gn Control RMS: 1.435630 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421353 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 02:34:06 PM, Wednesday, April 21, 2004 Report created at 02:34:07 PM, Wednesday, April 21, 2004

Axis -Y

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 14-41-05



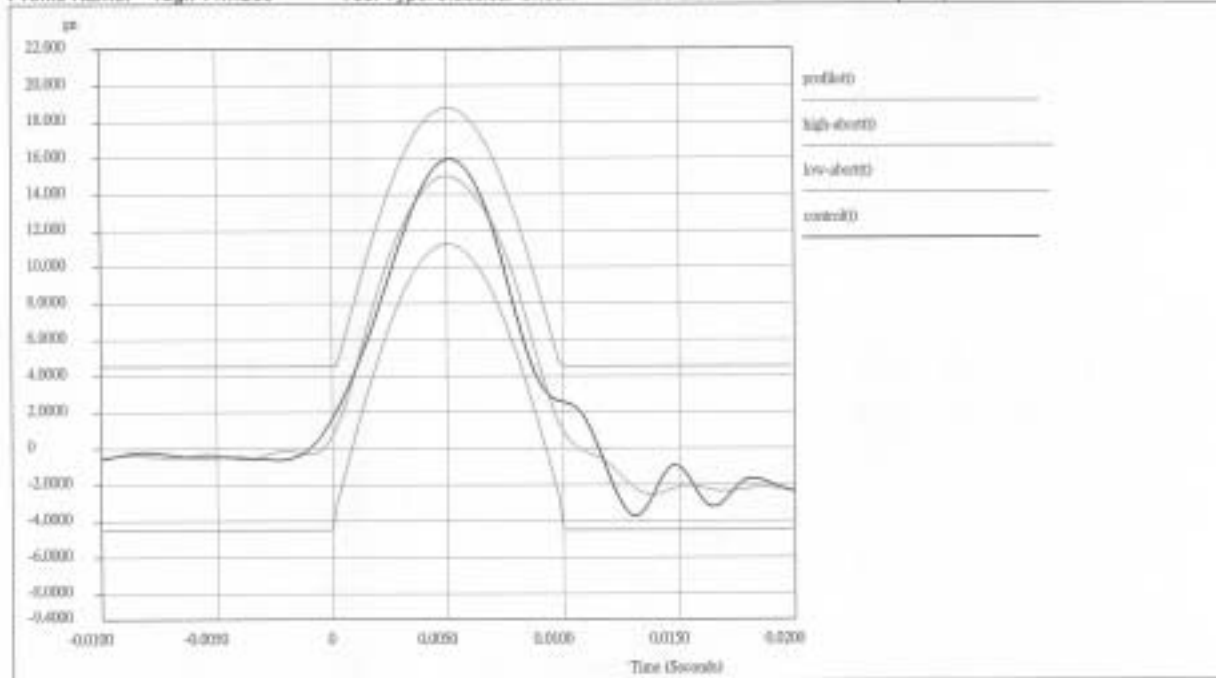
Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 16.316778 gn Control RMS: 1.444253 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 02:41:25 PM, Wednesday, April 21, 2004 Report created at 02:41:26 PM, Wednesday, April 21, 2004



Axis Z

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .RunDefault Apr 21, 2004 14-18-59

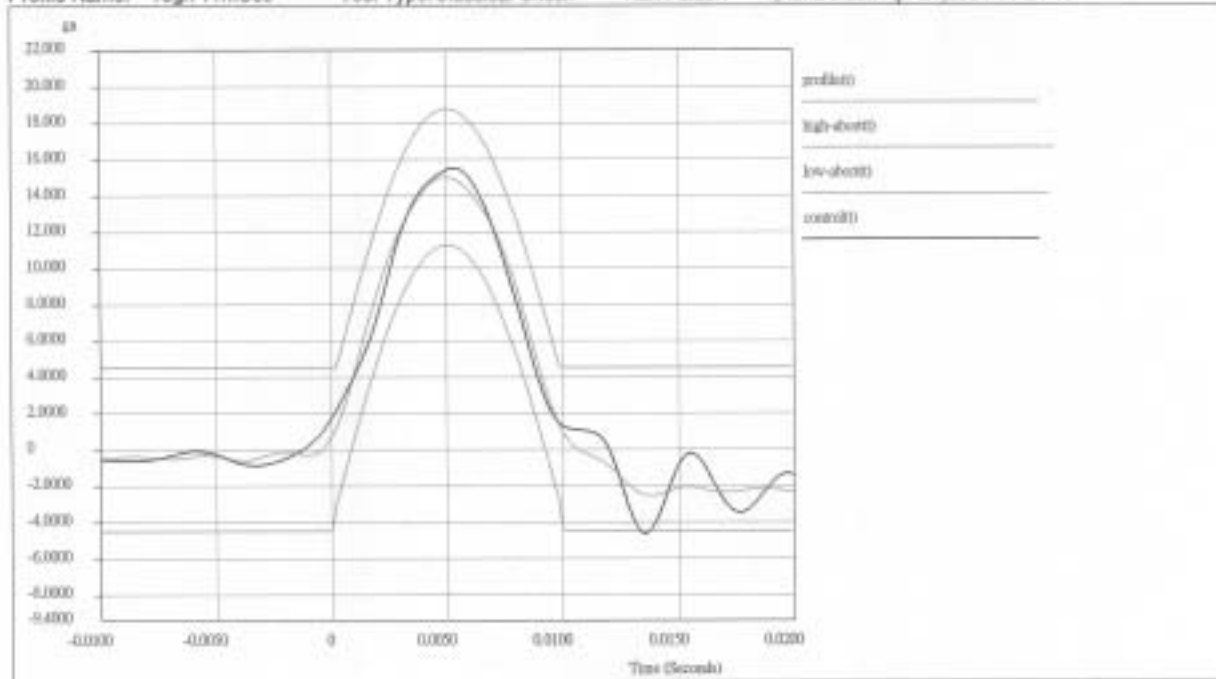


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.937783 gn Control RMS: 1.438820 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 02:19:23 PM, Wednesday, April 21, 2004 Report created at 02:19:23 PM, Wednesday, April 21, 2004

Axis -Z

Project File Name: APC-8152

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 14-24-19

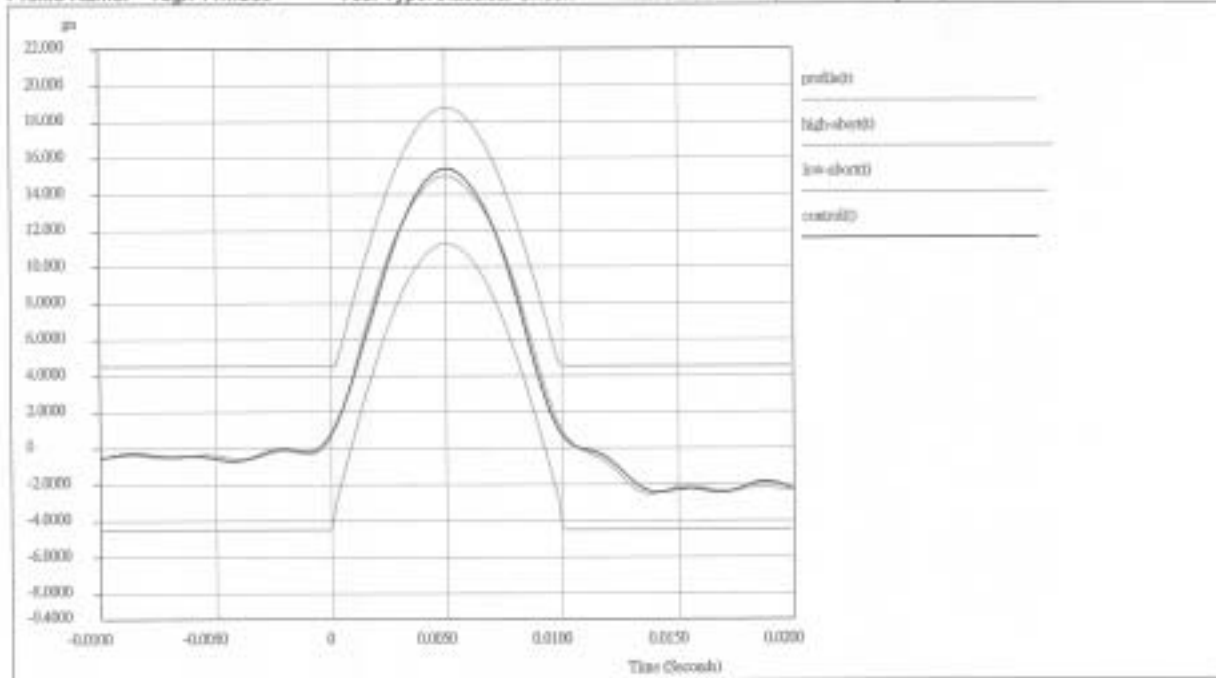


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.495245 gn Control RMS: 1.440542 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 02:24:40 PM, Wednesday, April 21, 2004 Report created at 02:24:41 PM, Wednesday, April 21, 2004

Axis X

Project File Name: APD-7211

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 15-48-47

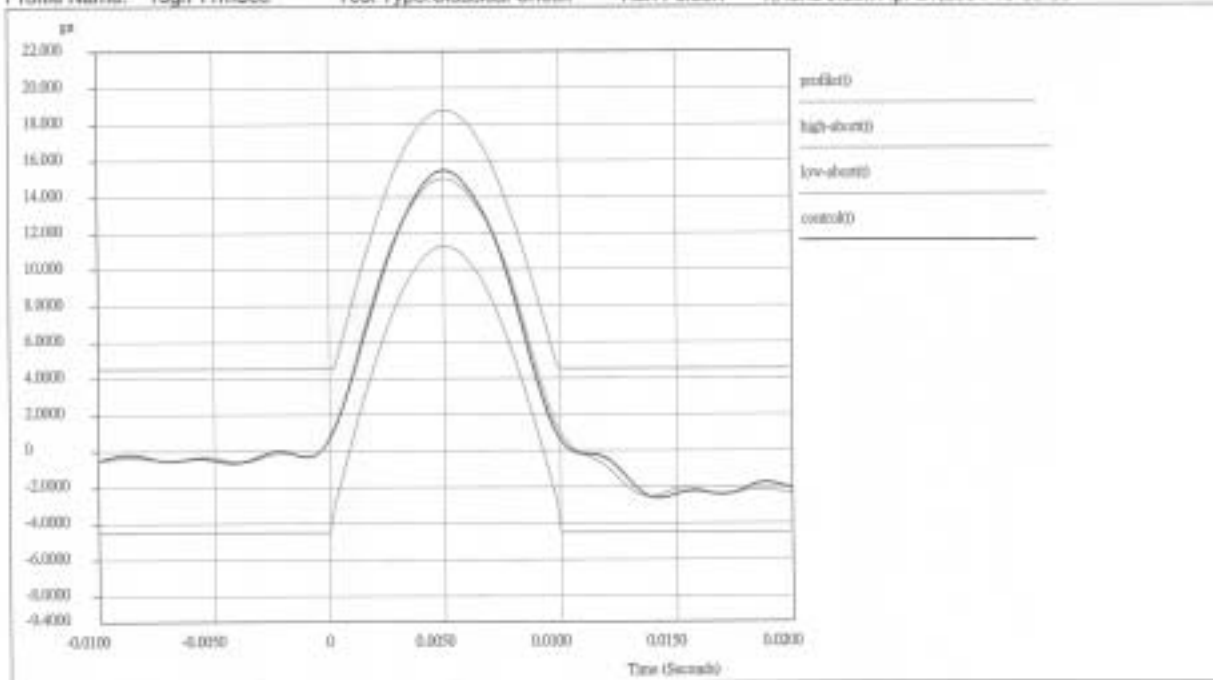


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682867 Seconds Control Peak: 15.397993 gn Control RMS: 1.432324 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:48:44 PM, Wednesday, April 21, 2004 Report created at 03:48:45 PM, Wednesday, April 21, 2004

Axis -X

Project File Name: APD-7211

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 15-53-00



Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.449298 gn Control RMS: 1.434566 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:53:41 PM, Wednesday, April 21, 2004 Report created at 03:53:42 PM, Wednesday, April 21, 2004

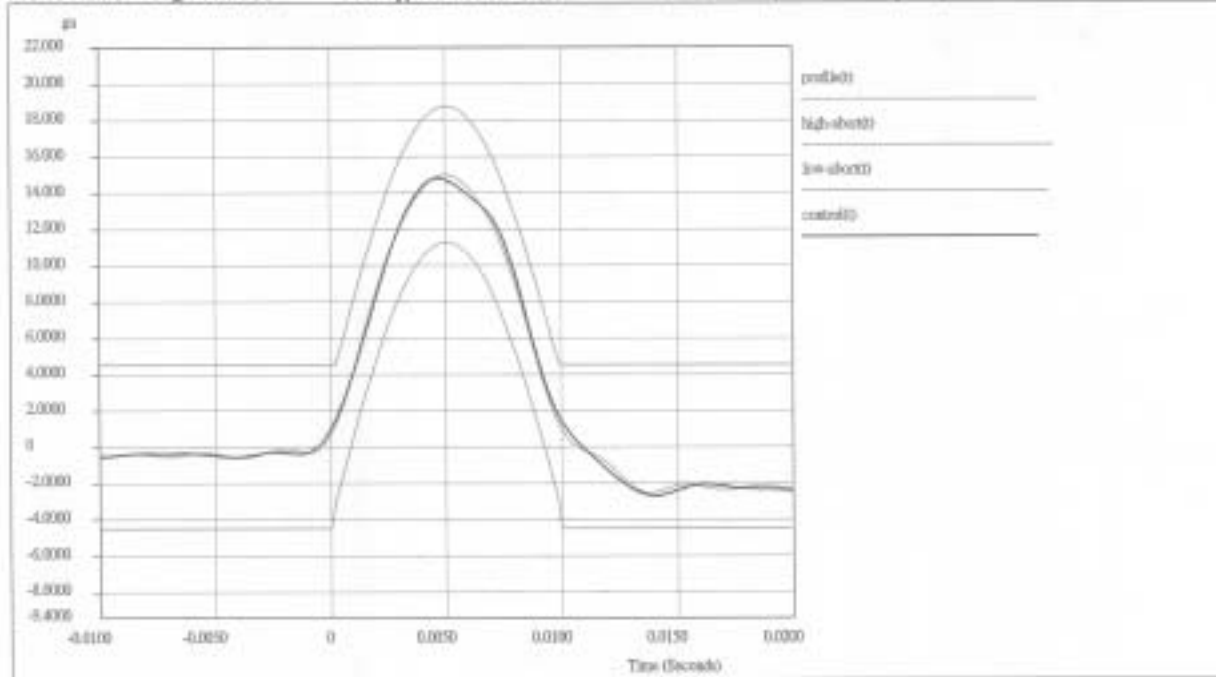
Axis Y

Project File Name: APD-7211

Profile Name: 15gn 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Apr 21, 2004 15-36-01

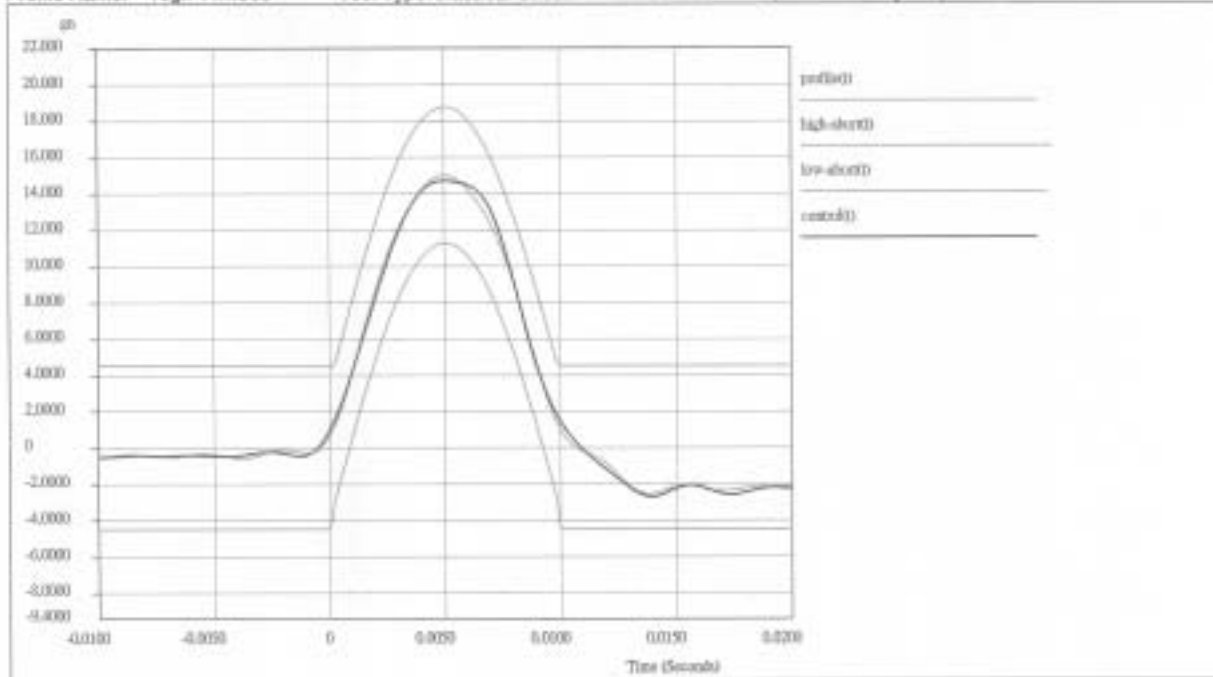


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 14.797740 gn Control RMS: 1.431841 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:36:23 PM, Wednesday, April 21, 2004 Report created at 03:36:23 PM, Wednesday, April 21, 2004

Axis -Y

Project File Name: APD-7211

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 15-41-16

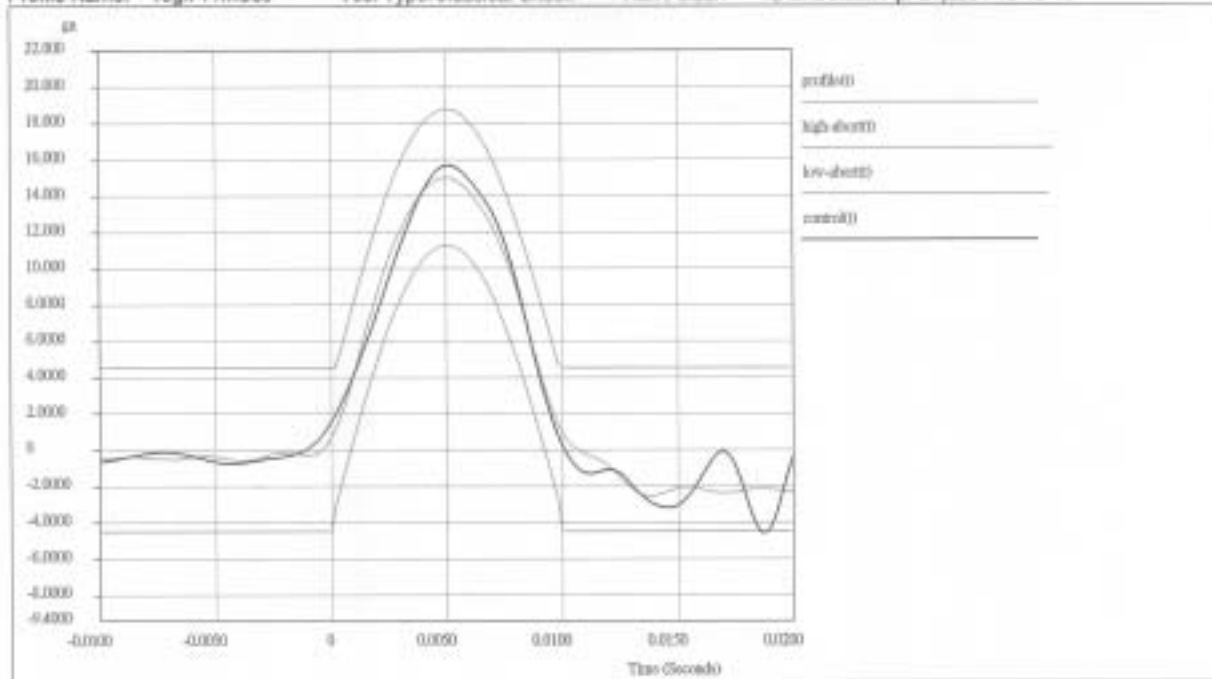


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 14.702804 gn Control RMS: 1.434277 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:41:37 PM, Wednesday, April 21, 2004 Report created at 03:41:38 PM, Wednesday, April 21, 2004

Axis Z

Project File Name: APD-7211

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Apr 21, 2004 15-16-46

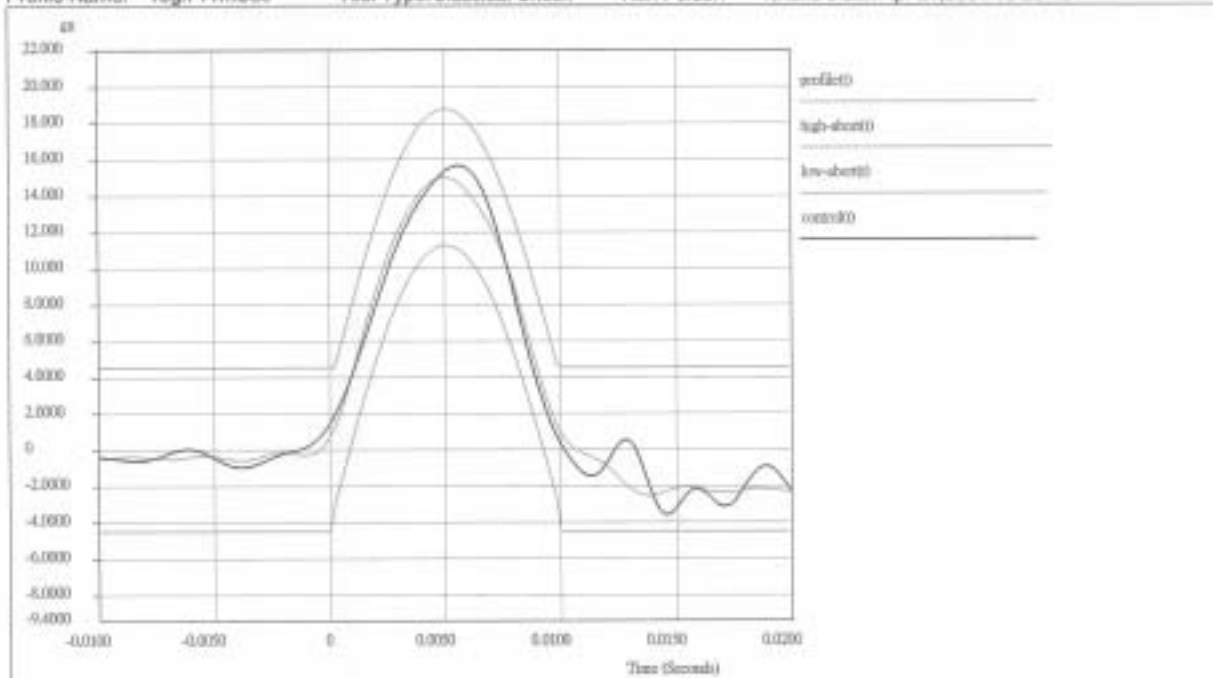


Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682667 Seconds Control Peak: 15.665561 gn Control RMS: 1.463891 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:18:47 PM, Wednesday, April 21, 2004 Report created at 03:18:47 PM, Wednesday, April 21, 2004

Axis -Z

Project File Name: APD-7211

Profile Name: 15gn 11mSec Test Type: Classical Shock Run Folder: ./RunDefault Apr 21, 2004 15-25-43



Level: 100 % Block Size: 4096 Elapsed Pulses: 10  
Frame Time: 0.682567 Seconds Control Peak: 15.658898 gn Control RMS: 1.453678 gn Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.999999 gn Demand RMS: 1.421363 gn Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.999999 gn Pulse Width: 11.000001 ms  
Data saved at 03:26:08 PM, Wednesday, April 21, 2004 Report created at 03:26:08 PM, Wednesday, April 21, 2004