



KING DESIGN INDUSTRIAL CO., LTD.

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Reliability & Communication Testing Instruments

VIBRATION LABORATORY

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TESTING / INSPECTION REPORT

DATE : April 27, 2004

REPORT NO : ST-040427-1

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

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SPECIMEN : APC-8172 / ONYX-152/SBS series

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 Tsai</i>	Laboratory Head :	<i>David Lee</i>
Approved by :	<i>David Lee</i>		
	<i>2004.4.28</i>		





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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 : 24± 2℃
Humidity : 70± 20% RH

SPECIMEN:

Model : APC-8172 / ONYX-152/SBS series
Quantity : Each model 1 piece

SHOCK TEST SPECIFICATION:

- (1)Wave Form : Half sine wave (APC-8172)
Acceleration : 15 g
Duration Time : 11 ms
No. of Shock : Each axis 3 times
Shock Direction : ± X, ± Y, ± Z axis
- (2)Wave Form : Half sine wave (ONYX-152/SBS series)
Acceleration : 10 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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Reliability & Component's Testing Instruments

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TESTING / INSPECTION REPORT

Testing photos

APC-8172

AXIS ± X



AXIS ± Y



AXIS ± Z



KING DESIGN
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TESTING / INSPECTION REPORT

Testing photos

ONYX-152/SBS series

AXIS \pm X



AXIS \pm Y



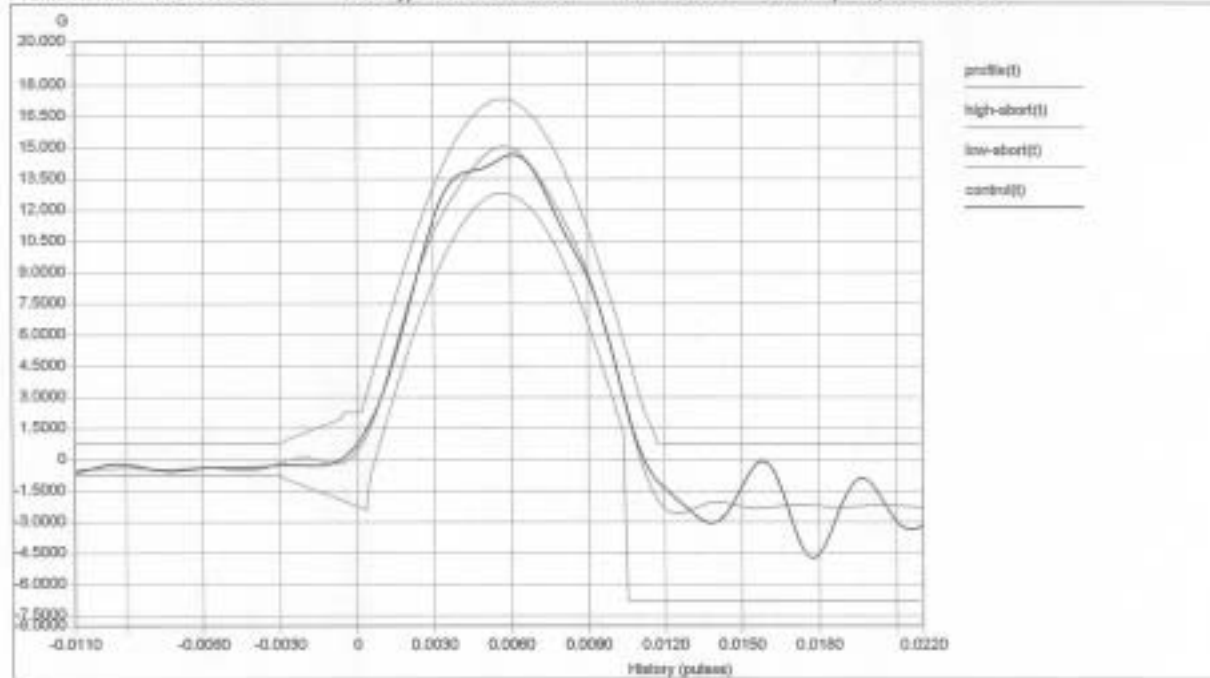
AXIS \pm Z



Axis X

Project File Name: 研圖 APC-8172 series.ptj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 15-38-07

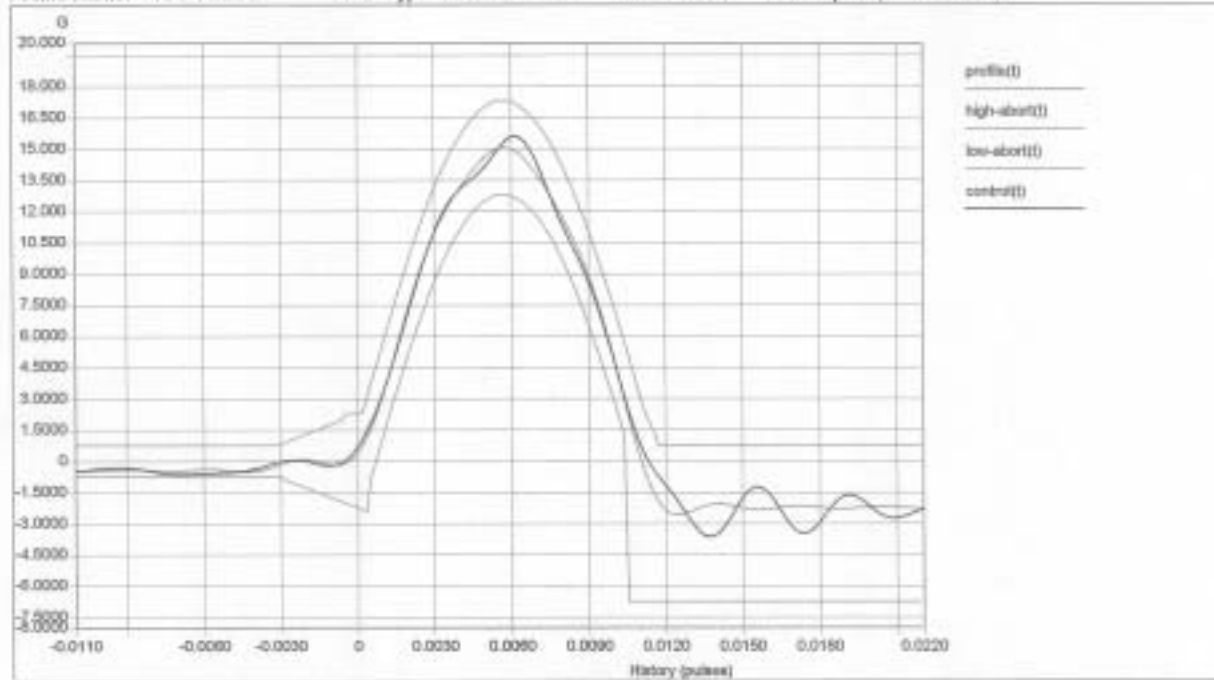


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.882867 Seconds Control Peak: 14.606036 G Control RMS: 1.487164 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480828 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:38:28 PM, Friday, April 23, 2004 Report created at 03:38:28 PM, Friday, April 23, 2004

Axis -X

Project File Name: 研圖 APC-8172 series.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 15-43-08

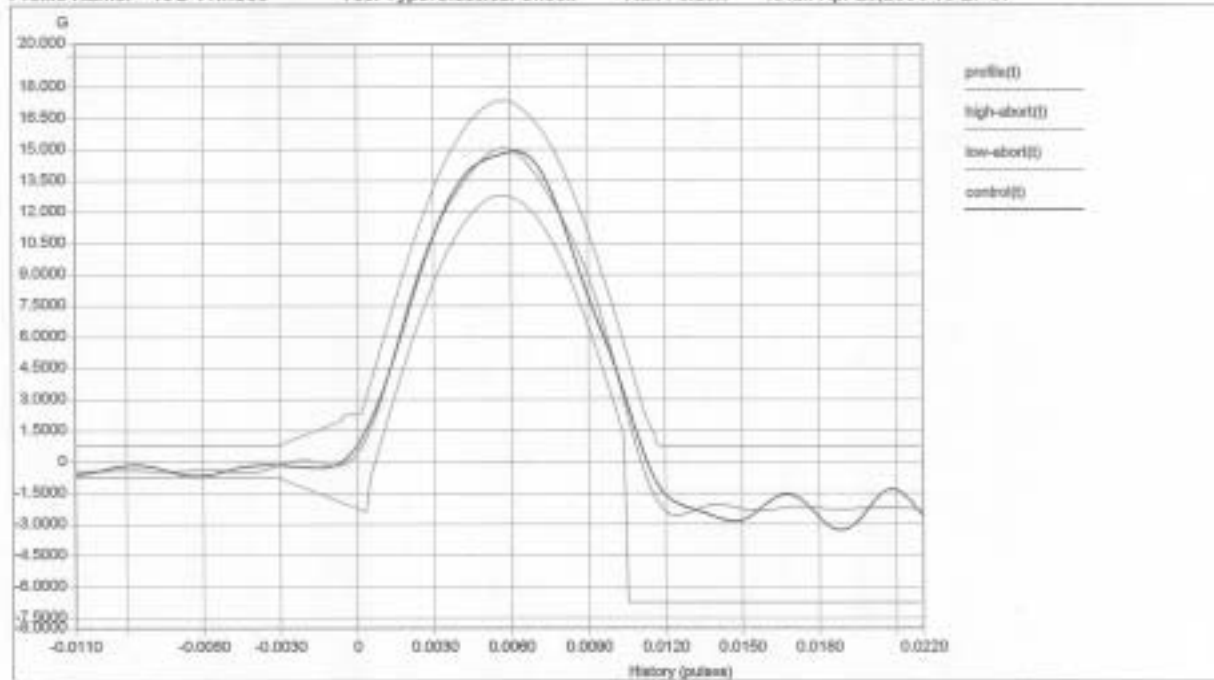


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682687 Seconds Control Peak: 15.553989 G Control RMS: 1.495885 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:43:29 PM, Friday, April 23, 2004 Report created at 03:43:29 PM, Friday, April 23, 2004

Axis Y

Project File Name: 研器 APC-8172 series.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .VRun Apr 23, 2004 15-27-07

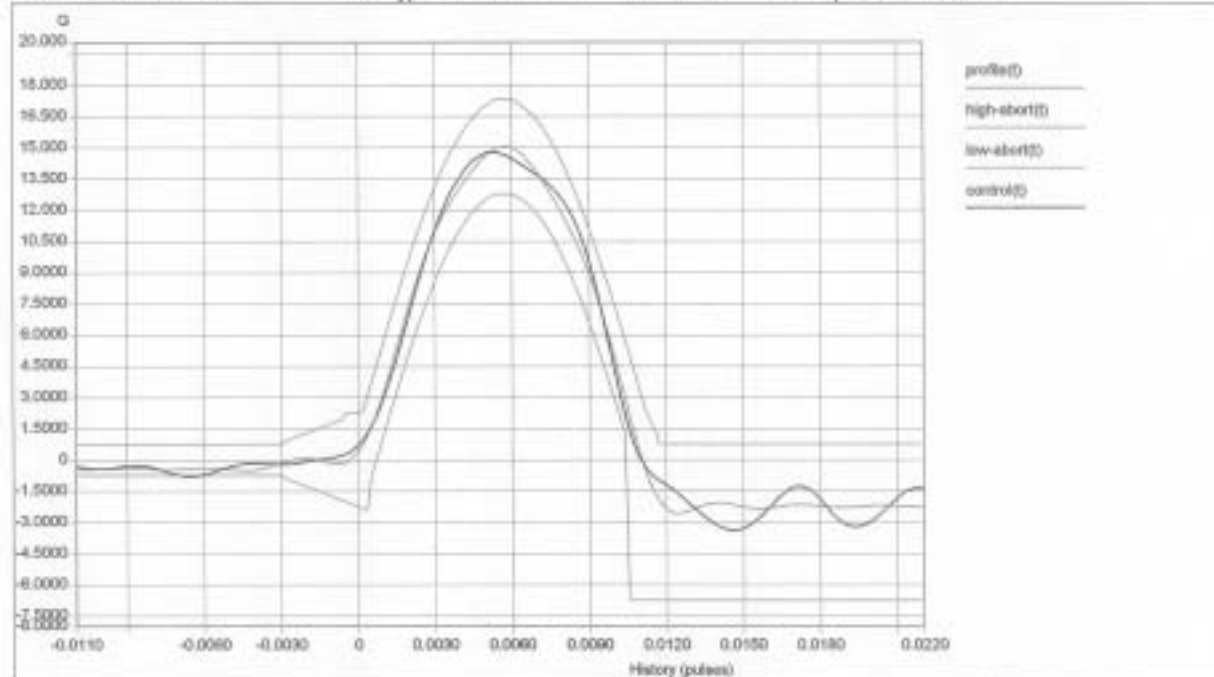


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 14.855141 G Control RMS: 1.490982 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480828 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:27:27 PM, Friday, April 23, 2004 Report created at 03:27:28 PM, Friday, April 23, 2004

Axds -Y

Project File Name: 研測 APC-8172 series.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 15-31-39

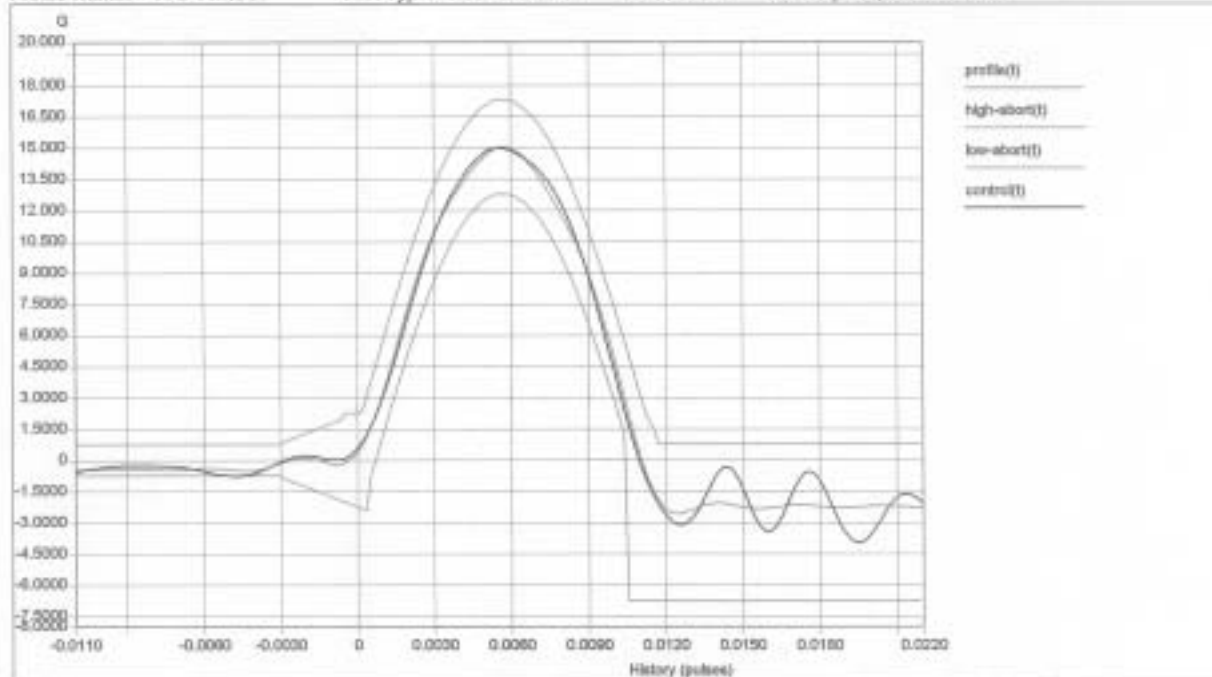


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 14.722542 G Control RMS: 1.504949 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:32:00 PM, Friday, April 23, 2004 Report created at 03:32:01 PM, Friday, April 23, 2004

Axis Z

Project File Name: 新機 APC-8172 series.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .Run Apr 23, 2004 15-15-02

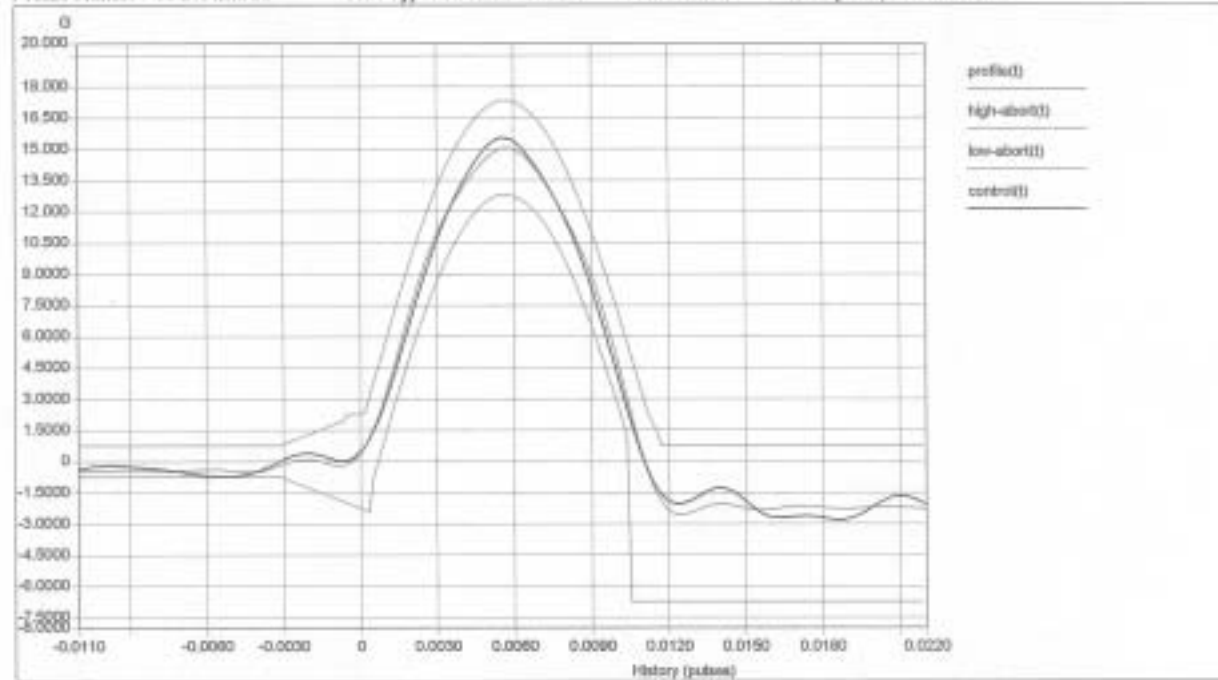


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.552557 Seconds Control Peak: 14.946186 G Control RMS: 1.500817 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:15:26 PM, Friday, April 23, 2004 Report created at 03:15:27 PM, Friday, April 23, 2004

Axis -Z

Project File Name: 研攝 APC-8172 series.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 15-19-17

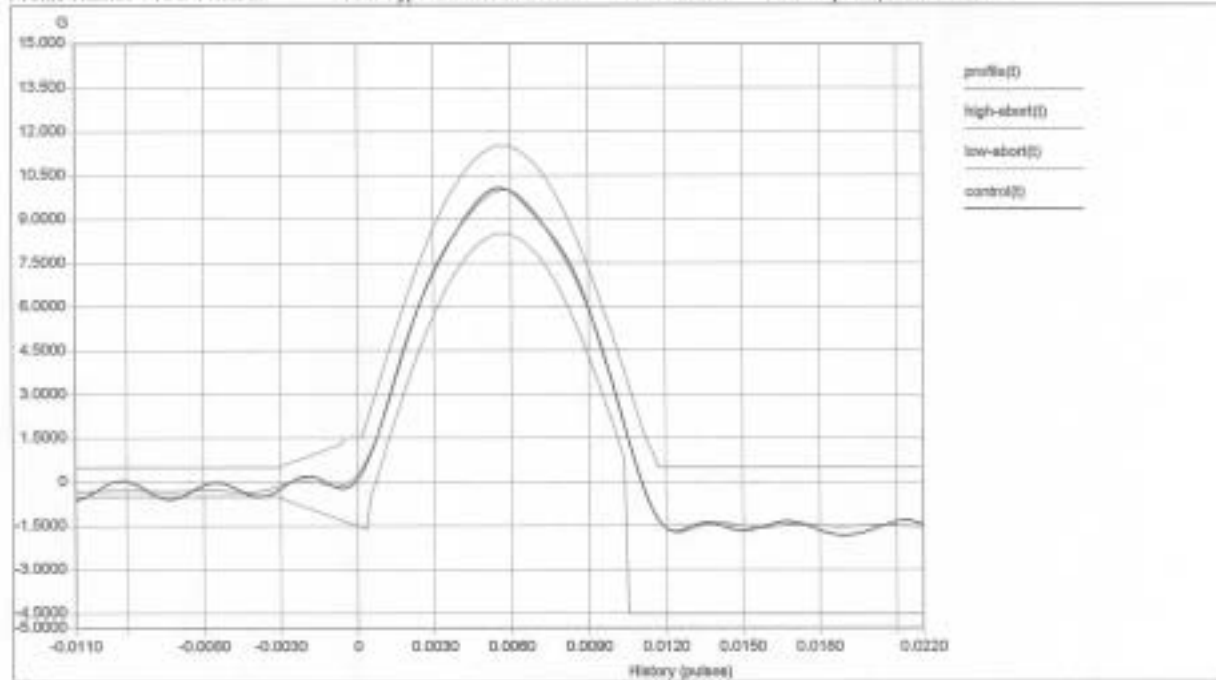


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682867 Seconds Control Peak: 15.477173 G Control RMS: 1.491639 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms
Data saved at 03:19:38 PM, Friday, April 23, 2004 Report created at 03:19:39 PM, Friday, April 23, 2004

Axds X

Project File Name: 研圖 ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 14-57-44

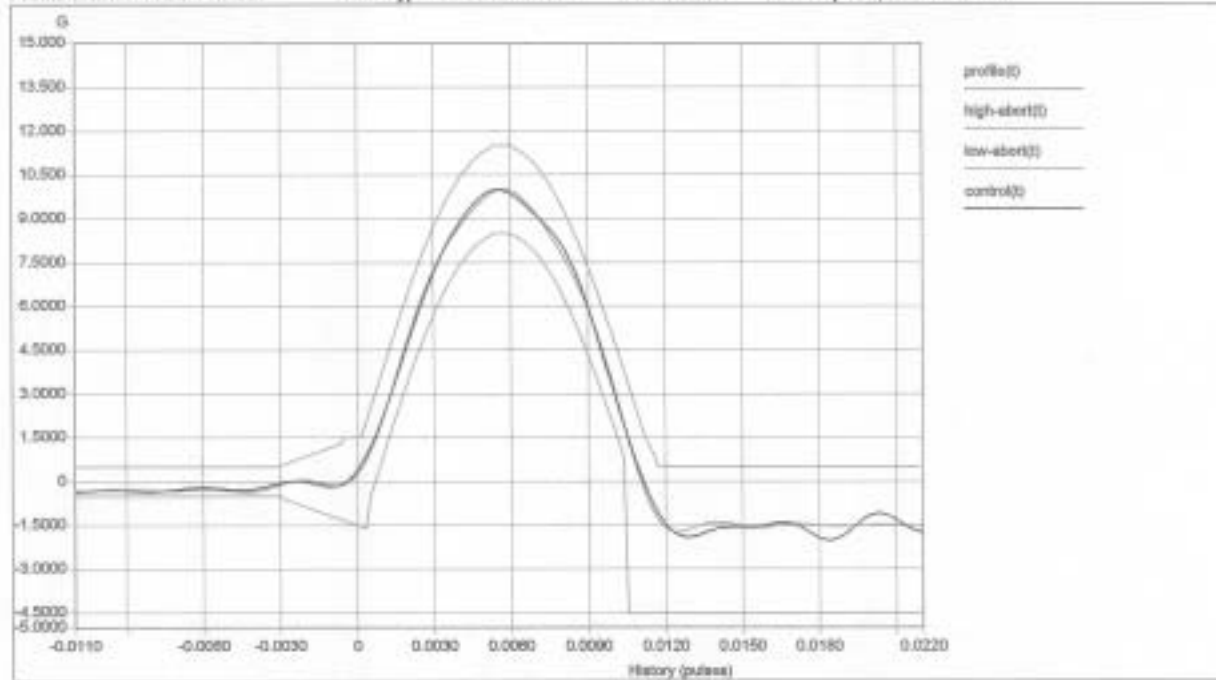


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 10.060799 G Control RMS: 1.005091 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987085 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 02:58:16 PM, Friday, April 23, 2004 Report created at 02:58:17 PM, Friday, April 23, 2004

Axis -X

Project File Name: 研圖 ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 15-01-05

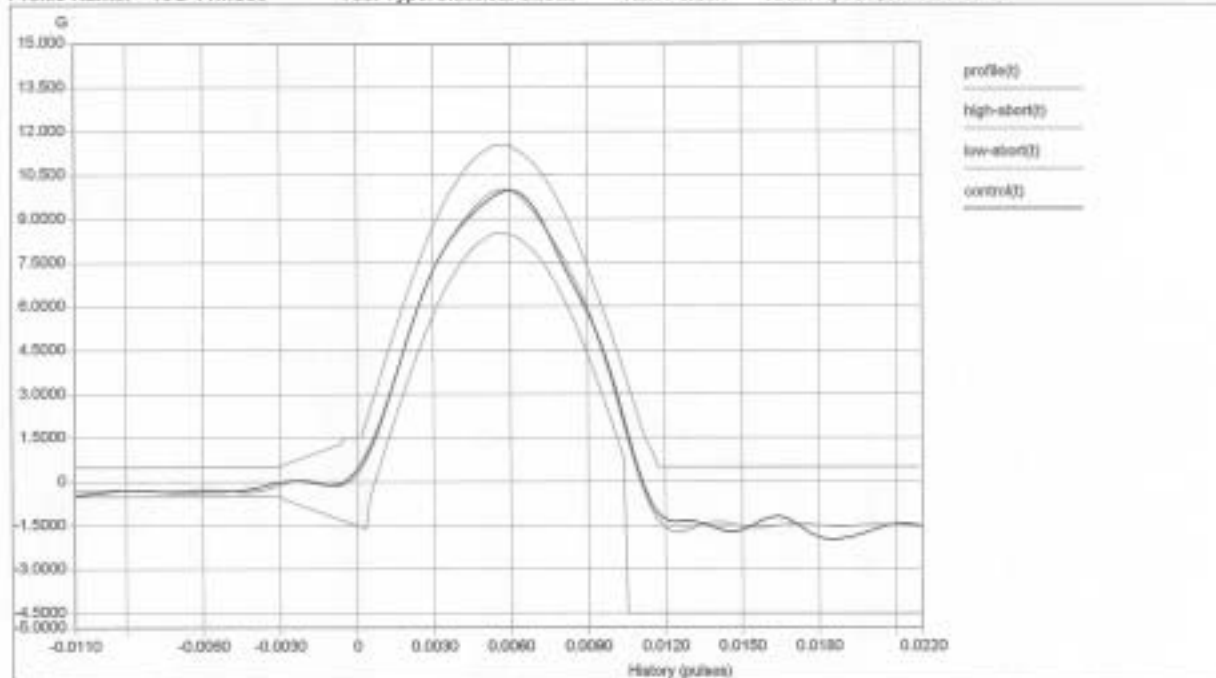


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 9.984533 G Control RMS: 0.996370 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987085 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 03:01:26 PM, Friday, April 23, 2004 Report created at 03:01:27 PM, Friday, April 23, 2004

Axis Y

Project File Name: 研測 ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 14-47-55

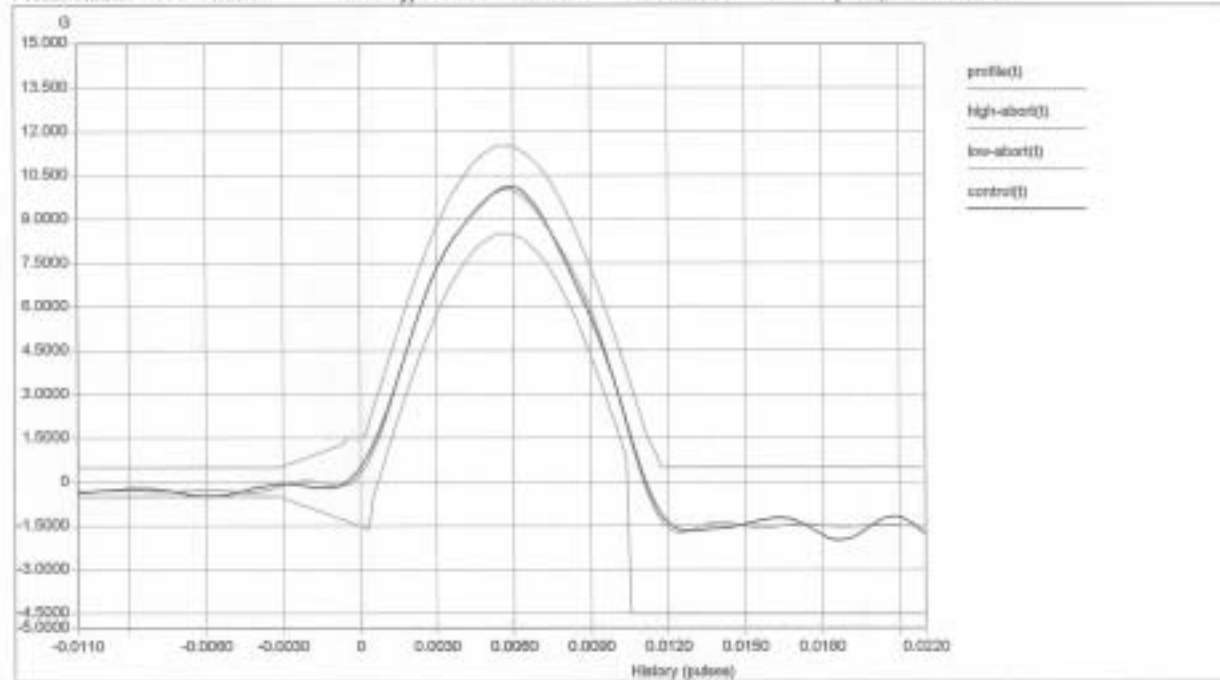


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 9.961079 G Control RMS: 0.989551 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987085 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 02:48:15 PM, Friday, April 23, 2004 Report created at 02:48:16 PM, Friday, April 23, 2004

Axis -Y

Project File Name: 研攝 ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 14-52-26

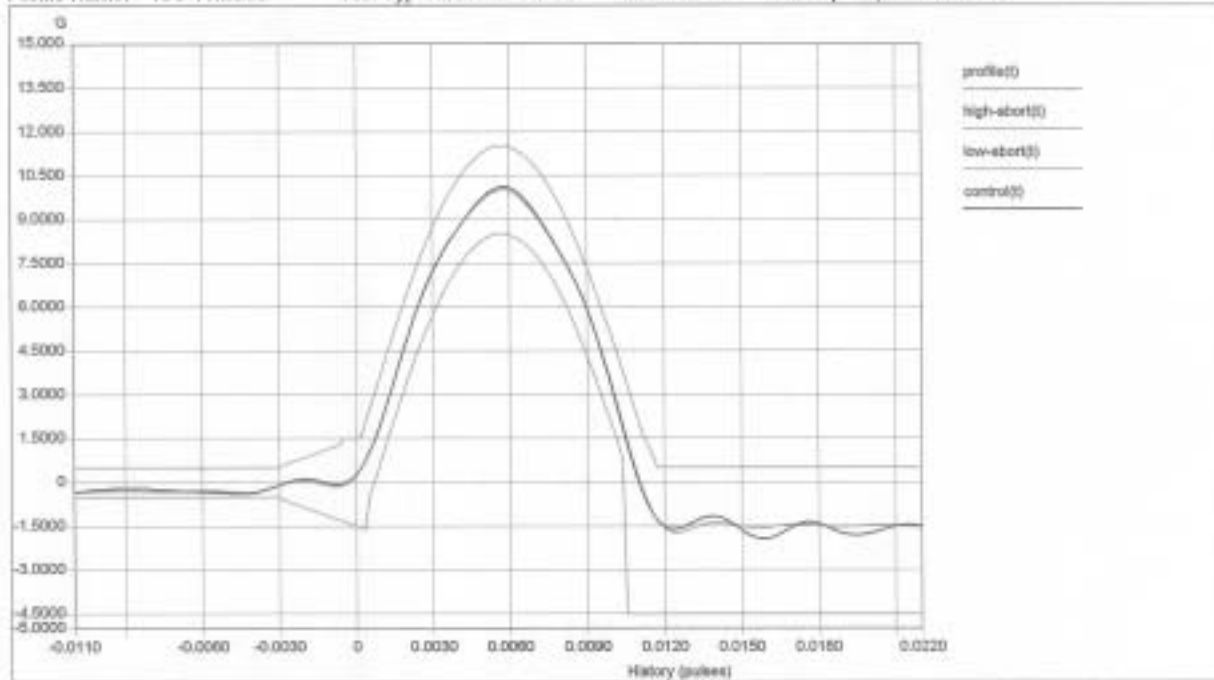


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.652667 Seconds Control Peak: 10.111063 G Control RMS: 0.994353 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987085 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 02:52:47 PM, Friday, April 23, 2004 Report created at 02:52:47 PM, Friday, April 23, 2004

Axis Z

Project File Name: 研器 ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 14-31-15

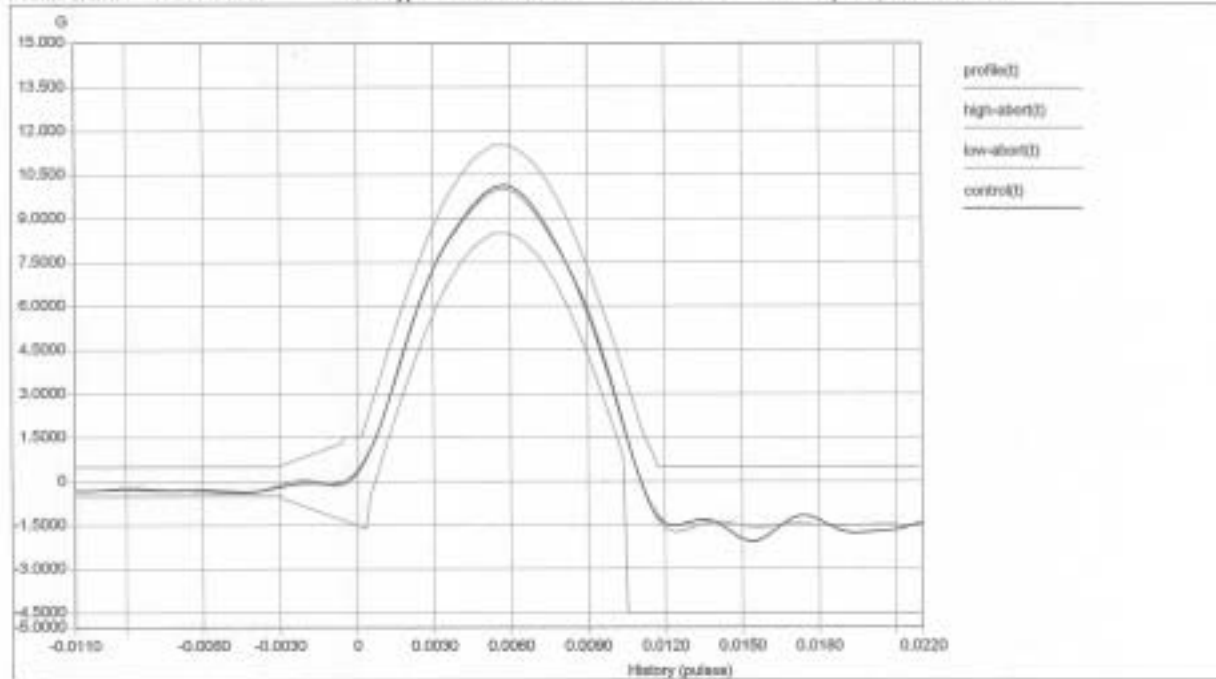


Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 10.102736 G Control RMS: 0.995980 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987065 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 02:31:35 PM, Friday, April 23, 2004 Report created at 02:31:37 PM, Friday, April 23, 2004

Axis -Z

Project File Name: 研[?] ONYX-152 SBS series.prj

Profile Name: 10G 11mSec Test Type: Classical Shock Run Folder: .\Run Apr 23, 2004 14-38-53



Level: 100 % Block Size: 4096 Elapsed Pulses: 10
Frame Time: 0.682667 Seconds Control Peak: 10.127261 G Control RMS: 0.998289 G Full Level Elapsed Pulses: 3
dT: 0.000167 Seconds Demand Peak: 10.000000 G Demand RMS: 0.987085 G Remaining Pulses: 0
Pulse Type: Half Sine Amplitude: 10.000000 G Pulse Width: 11.000001 ms
Data saved at 02:39:14 PM, Friday, April 23, 2004 Report created at 02:39:15 PM, Friday, April 23, 2004