



**AAEON Technology INC.**  
ISO-9001/ISO-14001 Certified  
Industrial Automation PCs

# OPD-217A

## Shock Test Report

Issued by:

\_\_\_\_\_  
JACKSON CHEN  
ME Engineer

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*03/05/2003*

\_\_\_\_\_  
Date

Reviewed by:

\_\_\_\_\_  
J.F LIN  
ME Manager

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*03/05/2003*

\_\_\_\_\_  
Date

1. Test Product : Modular System Industrial Display Panel

2. Model Name: OPD-217A

3. Test Date: 03-05-2003

4. Test Site: KING DESIGN VIBRATION LABORATORY

5. Test Equipment

Type	MFR	Model Number	Serial Number	Last CAL.
Shock Tester	KSON	KD-9363-600FK2-50N120	KDS11054783	
Controller	DACTRON	DSC System Version 0.922	635651	
Control Accelerometer	WILCOXON RESEARCH	WR-777	4207	

6. Test Specification:

Parameters	Targets
Wave Form	Half Sine wave
Acceleration	15g
Duration Time	11ms
No. of Shock	Each axis 3 times
Shock Direction	Bottom, Top, Left, Right, Front, Back axis

7. Test Condition

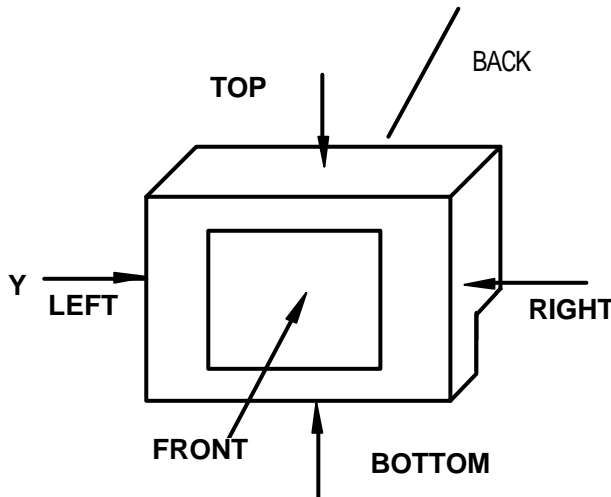
Temperature: 20 ± 2

Humidity: 70 ± 20%RH

Sample: Unpacked; Operation

Software: Windows 98 run Media Player (VCD viewing)

8. Axial Definition

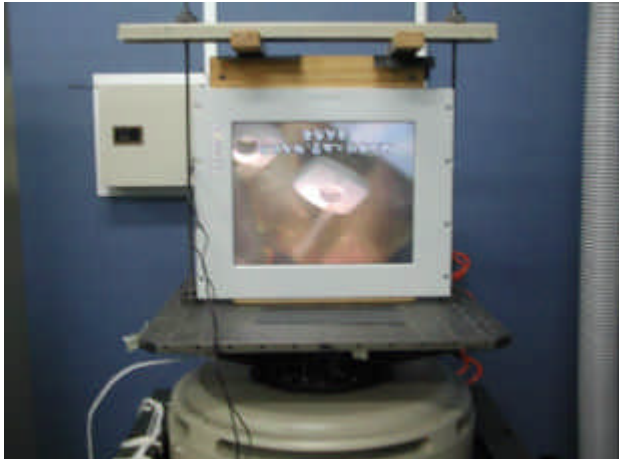


9. Test Result:

- a. The system structure doesn't deformation; Function is OK during system test.
- b. The system structure doesn't have any deformation; All functions are OK after shock test.

10. Testing Photos

TOP



Bottom



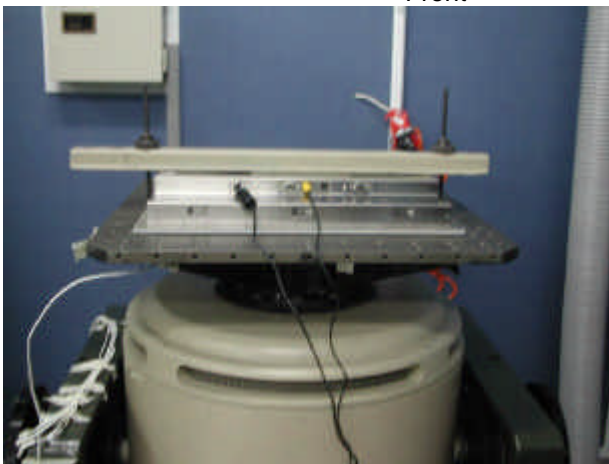
Left



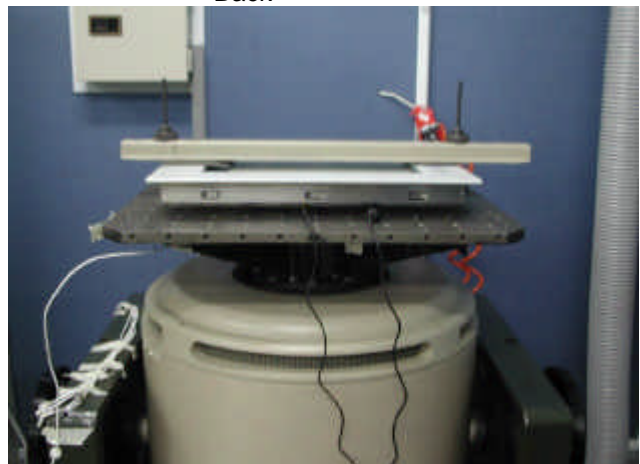
Right



Front



Back



## 12. Test Curve

Axis X+

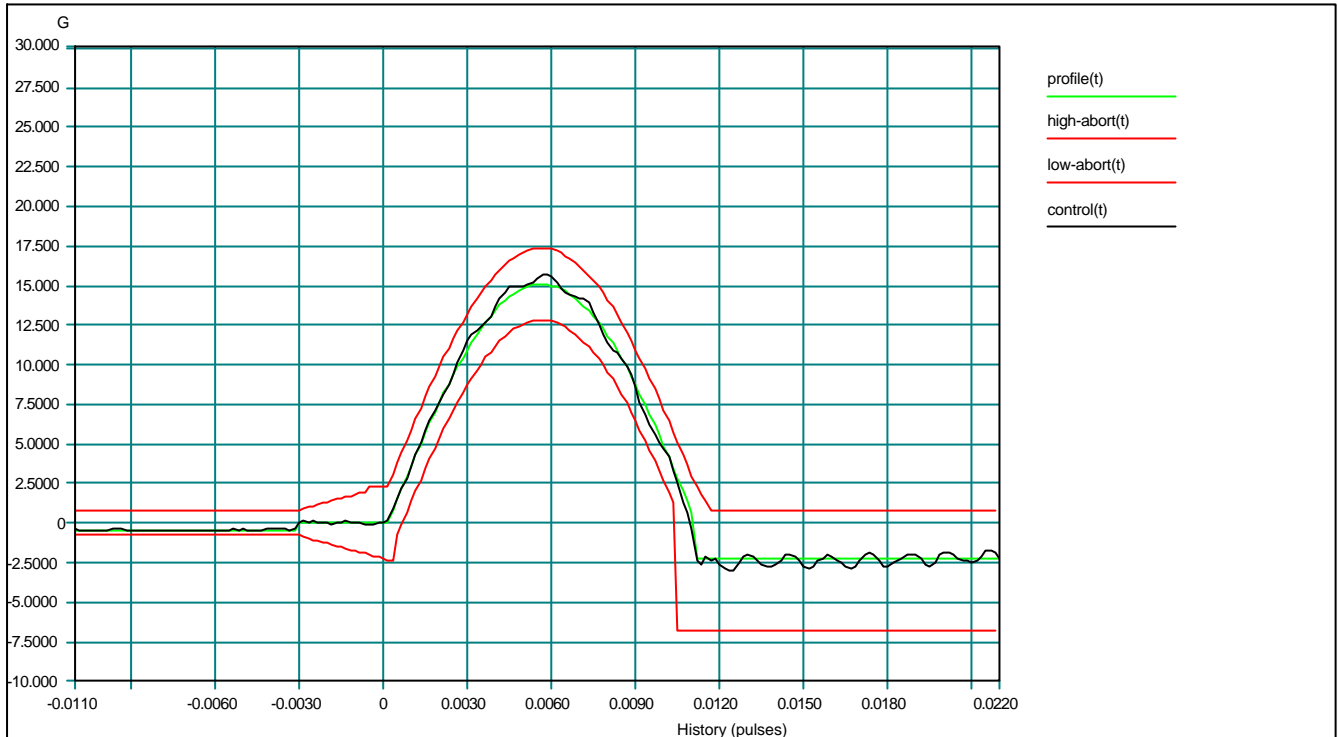
Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run

Mar 05,2003 14-03-18



Level: 100 %

Block Size:4096

Elapsed Pulses: 12

Frame Time: 0.682667 Seconds

Control Peak: 15.407006 G

Control RMS: 1.529050 G Full Level

Elapsed Pulses: 3

dT: 0.000167 Seconds

Demand Peak: 14.999999 G

Demand RMS: 1.495993 G Remaining Pulses:

0

Pulse Type: Half Sine

Amplitude: 14.999999 G

Pulse Width: 11.000001 ms

Data saved at 02:03:41 PM, Wednesday, March 05, 2003

Report created at 02:03:43 PM, Wednesday, March 5, 2003

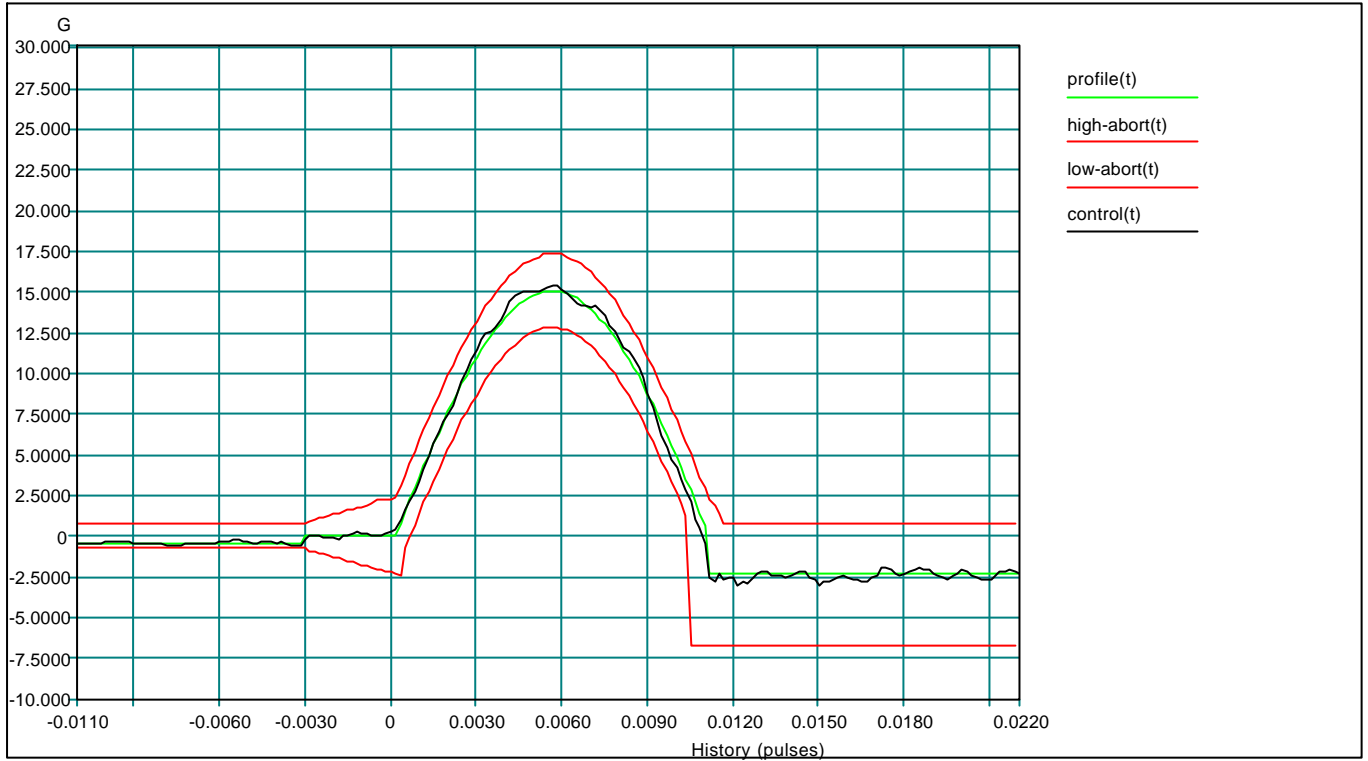
Axis X-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 14-09-57



Level: 100 %      Block Size: 4096      Elapsed Pulses: 12

Frame Time: 0.682667 Seconds      Control Peak: 15.675263 G      Control RMS: 1.525846 G      Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds      Demand Peak: 14.999999 G      Demand RMS: 1.495993 G      Remaining Pulses: 0

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

Data saved at 01:47:21 PM, Wednesday, March 05, 2003      Report created at 01:47:23 PM, Wednesday, March 5, 2003

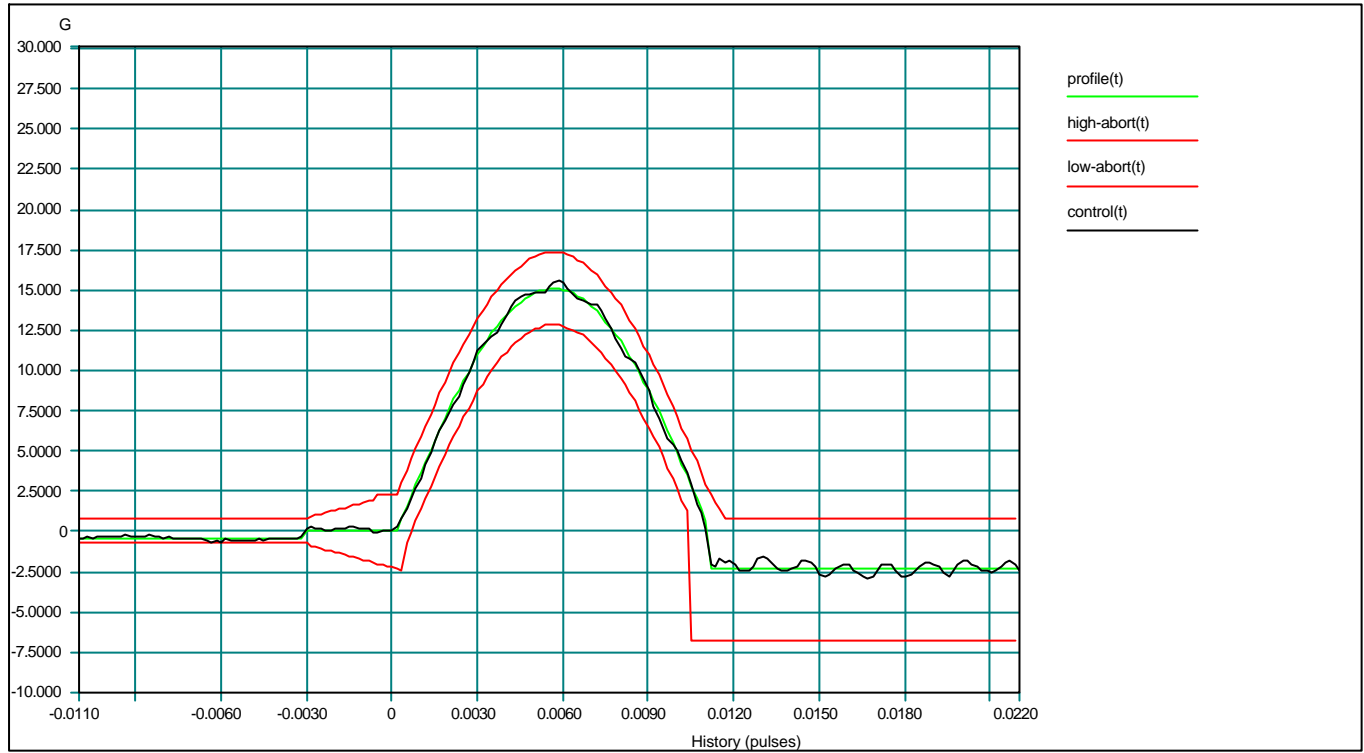
Axis Y+

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 14-15-48



Level: 100 %      Block Size: 4096      Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds      Control Peak: 15.639970 G      Control RMS: 1.525630 G      Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds      Demand Peak: 14.999999 G      Demand RMS: 1.495993 G      Remaining Pulses: 0  
Pulse Type: Half Sine      Amplitude: 14.999999 G      Pulse Width: 11.000001 ms

Data saved at 01:37:36 PM, Wednesday, March 05, 2003      Report created at 01:37:39 PM, Wednesday, March 5, 2003

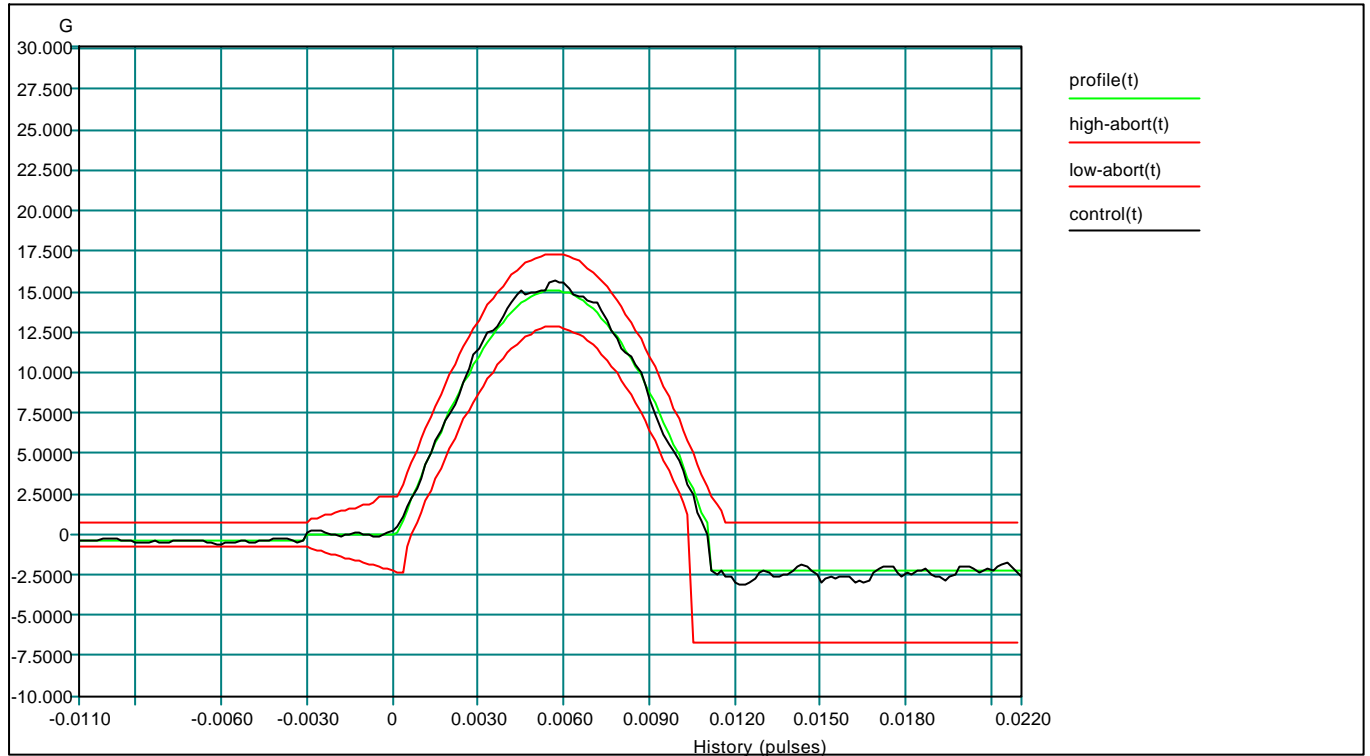
Axis Y-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 14-18-52



Level: 100 % Block Size:4096 Elapsed Pulses: 12

Frame Time: 0.682667 Seconds Control Peak: 15.656457 G Control RMS: 1.528695 G Full Level

Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.495993 G Remaining Pulses:

0

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

Data saved at 02:19:10 PM, Wednesday, March 05, 2003 Report created at 02:19:11 PM, Wednesday, March 5, 2003

Axis Z+

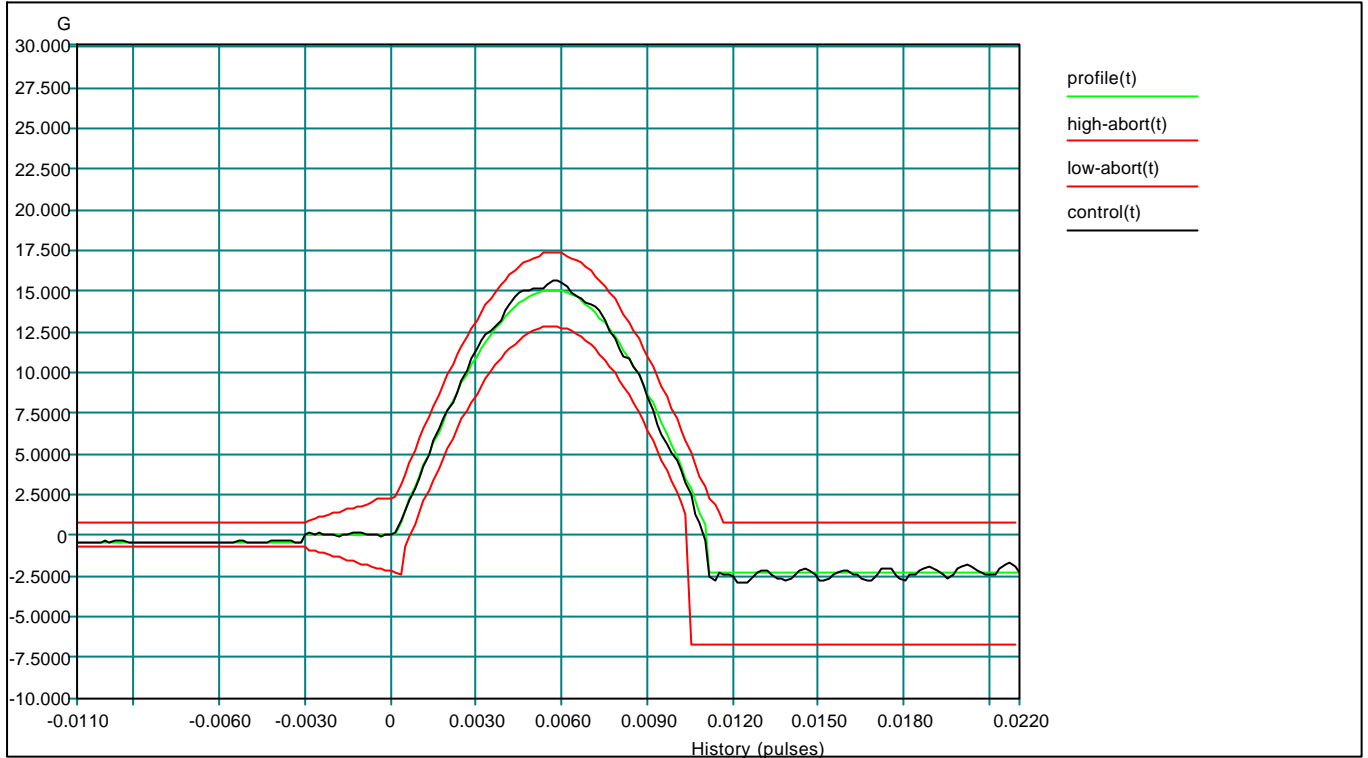
Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder:

.\Run Mar 05,2003 13-54-34



Level: 100 % Block Size:4096 Elapsed Pulses: 12

Frame Time: 0.682667 Seconds Control Peak: 15.730399 G Control RMS: 1.528587 G Full Level

Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.495993 G Remaining Pulses:

0

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

Data saved at 01:54:53 PM, Wednesday, March 05, 2003

Report created at 01:54:55 PM, Wednesday, March 5, 2003



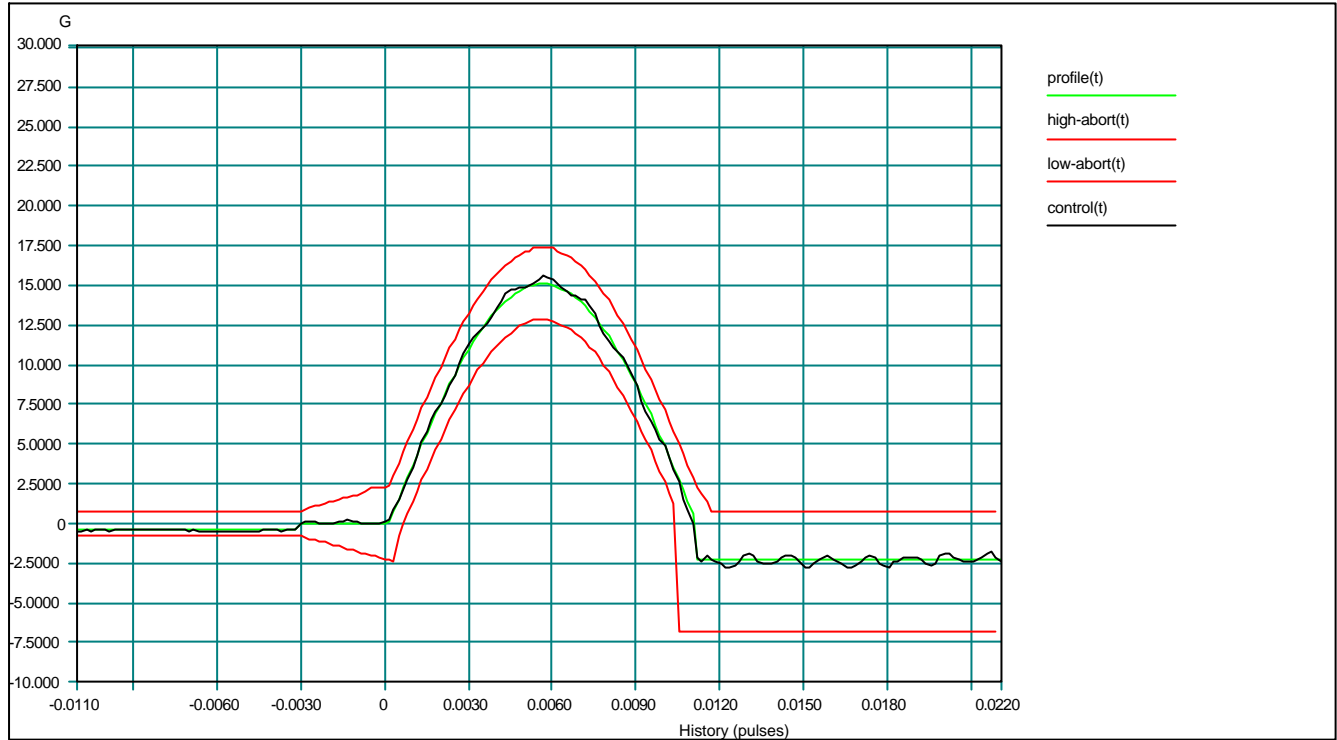
Axis Z-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-57-21



Level: 100 %

Block Size:4096

Elapsed Pulses: 12

Frame Time: 0.682667 Seconds

Control Peak: 15.740726 G

Control RMS: 1.531627 GFull Level

Elapsed Pulses: 3

dT: 0.000167 Seconds

Demand Peak: 14.999999 G

Demand RMS: 1.495993 GRemaining Pulses:

0

Pulse Type:Half Sine

Amplitude: 14.999999 G

Pulse Width: 11.000001 ms

Data saved at 01:57:45 PM, Wednesday, March 05, 2003

Report created at 01:57:48 PM, Wednesday, March 5, 2003