



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

# **AMB-232A**

## **Shock Test Report**

**Report NO. : 03P030015**

**Issued by:**

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**Rex Chang**  
**QE Engineer**

**/**

**03/06/2003**

\_\_\_\_\_  
**Date**

**Reviewed by:**

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**Wen - Yuan Yang**  
**QE Manager**

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**03/06/2003**

\_\_\_\_\_  
**Date**

1. Test Product : Modular System Industrial Display Panel

2. Model Name: AMB-232A

3. Test Date: 02-22-2003

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

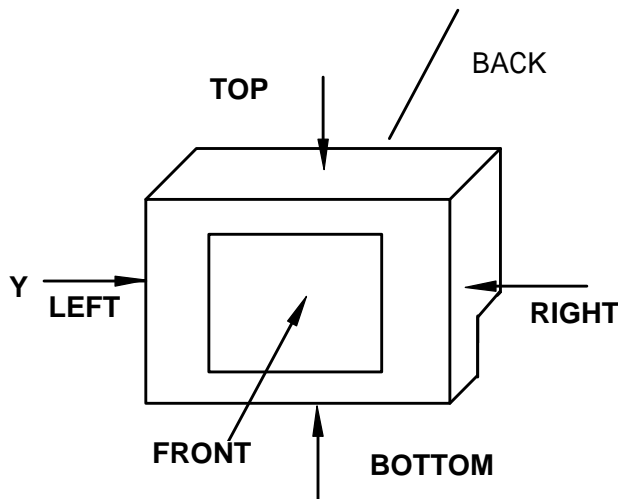
Temperature: 20 ± 2

Humidity: 70 ± 20%RH

Sample: Unpacked; Operation

Software: Windows 98 run Media Player (VCD viewing)

8. Axial Definition

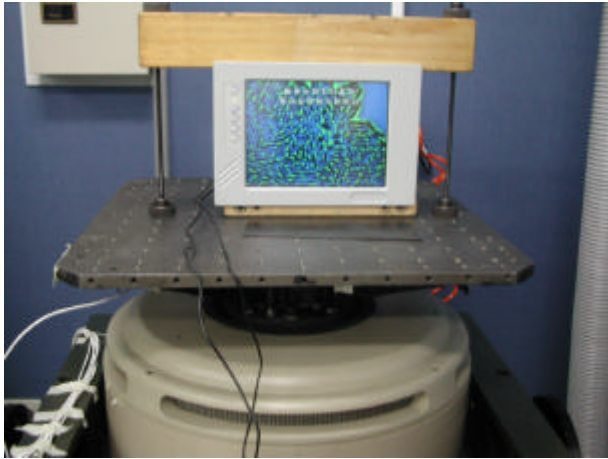


9. Test Result:

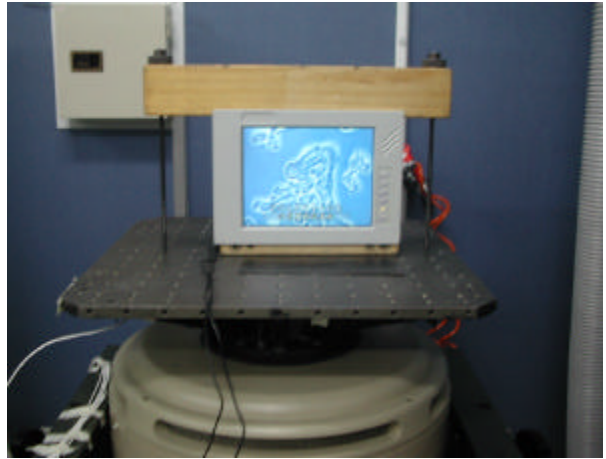
- a. The system structure doesn't deformation; Function is OK during system test.
- b. The system structure doesn't have any deformation; All functions are OK after shock test.

10. Testing Photos

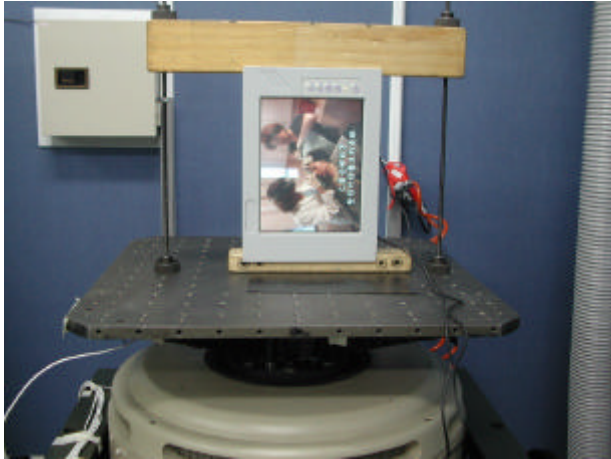
TOP



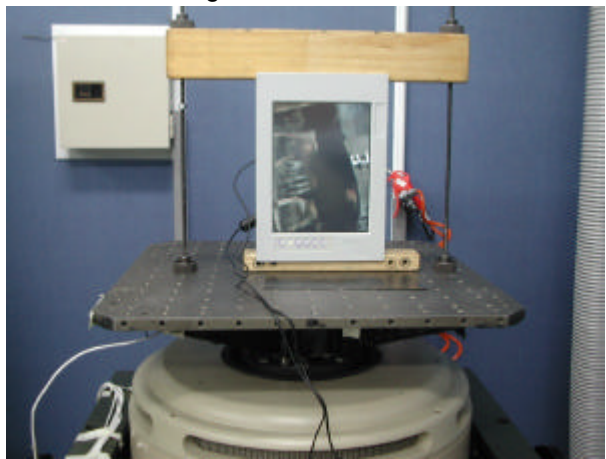
Bottom



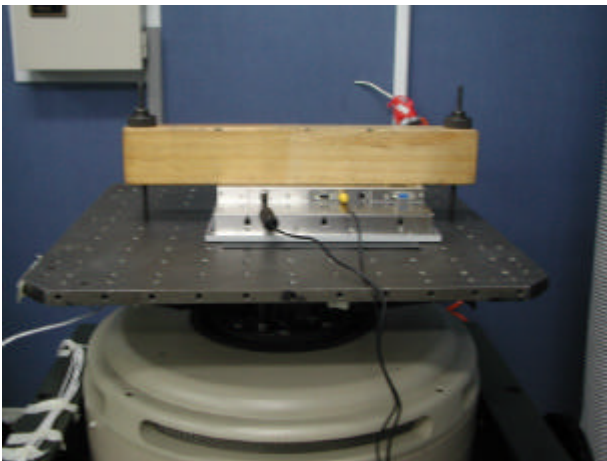
Left



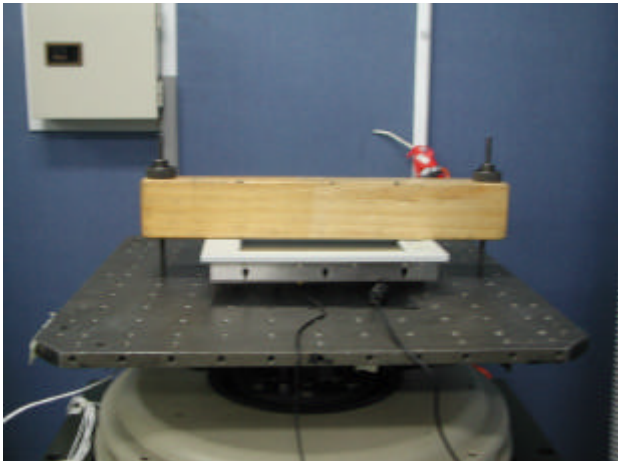
Right



Front



Back



## 12. Test Curve

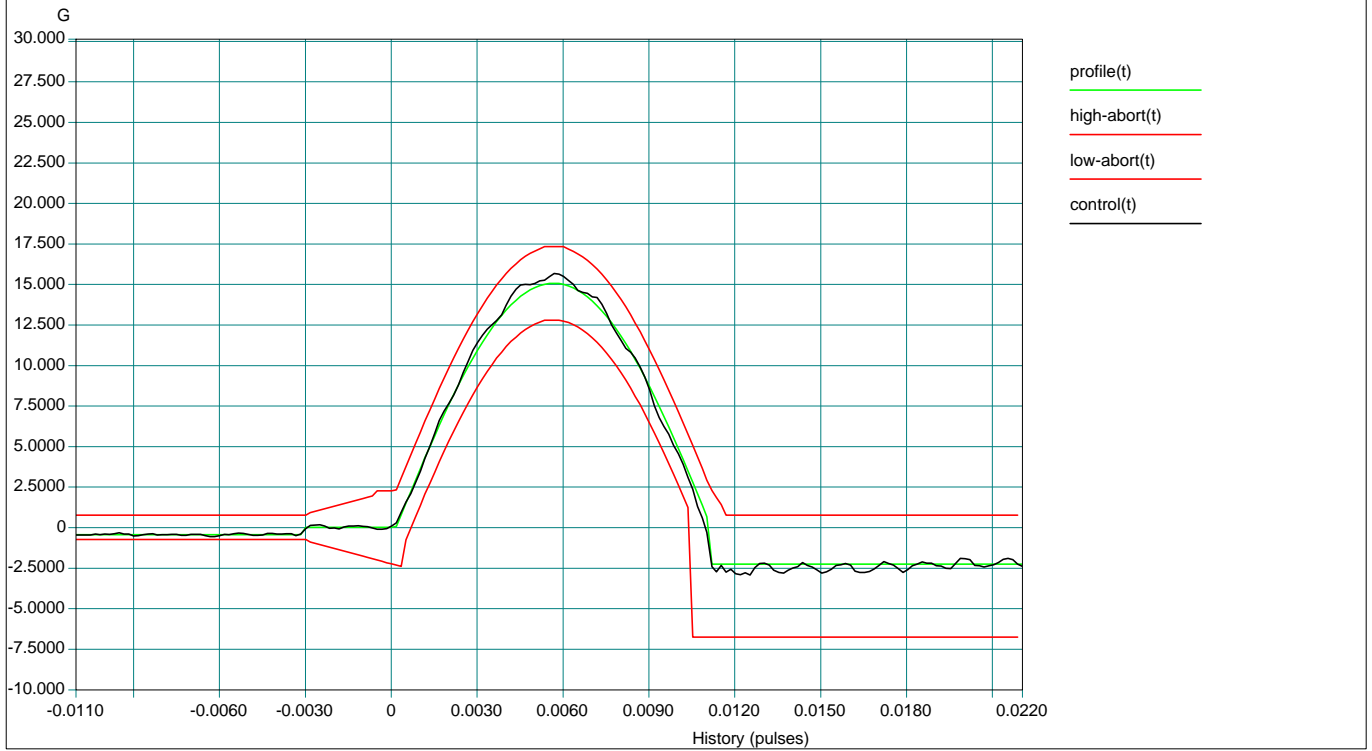
Axis X+

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-44-29



Level: 100 %      Block Size: 4096      Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds      Control Peak: 15.596710 G      Control RMS: 1.526090 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 01:44:47 PM, Wednesday, March 05, 2003

Report created at 01:44:49 PM, Wednesday, March 5, 2003

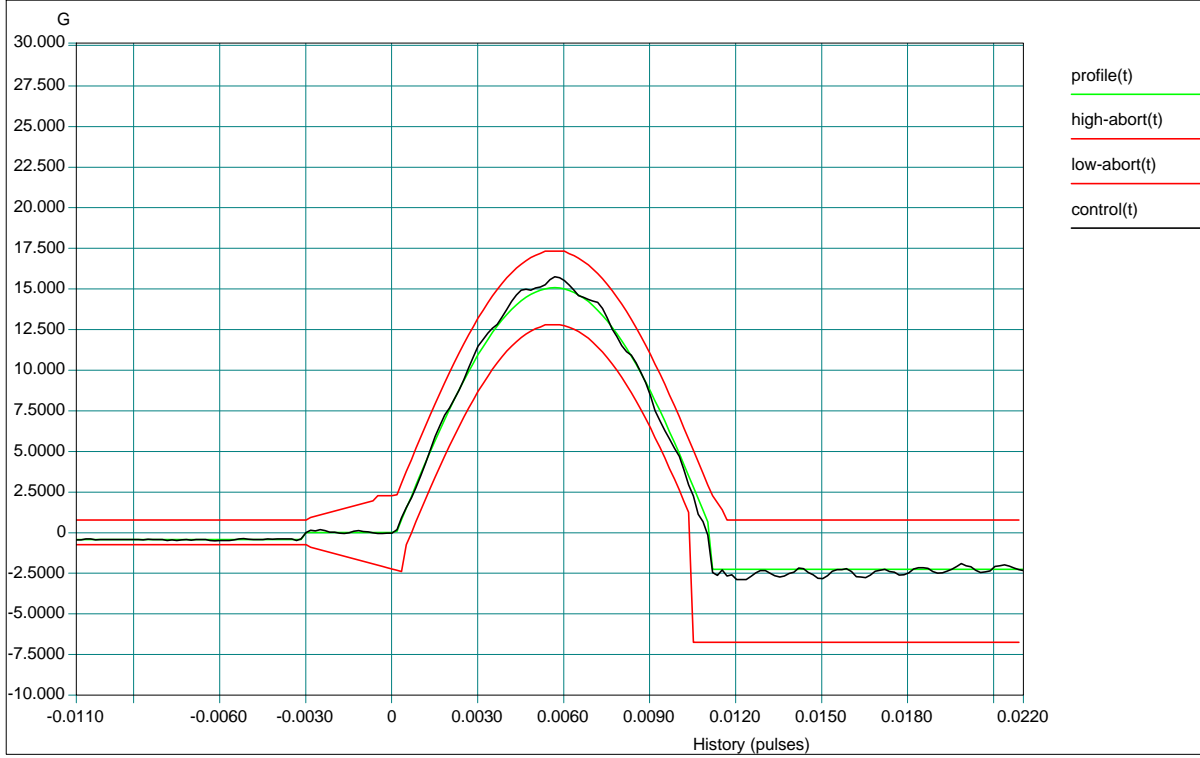
Axis X-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-46-58



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

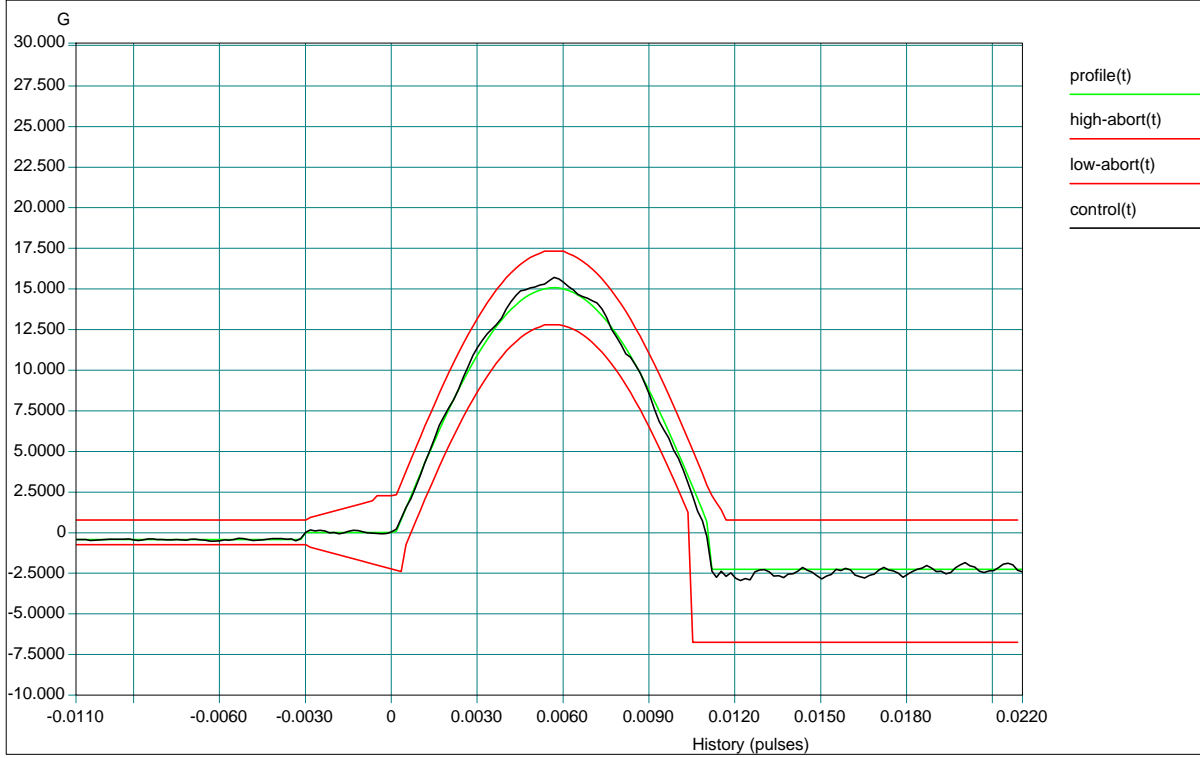
Axis Y+

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-37-01



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

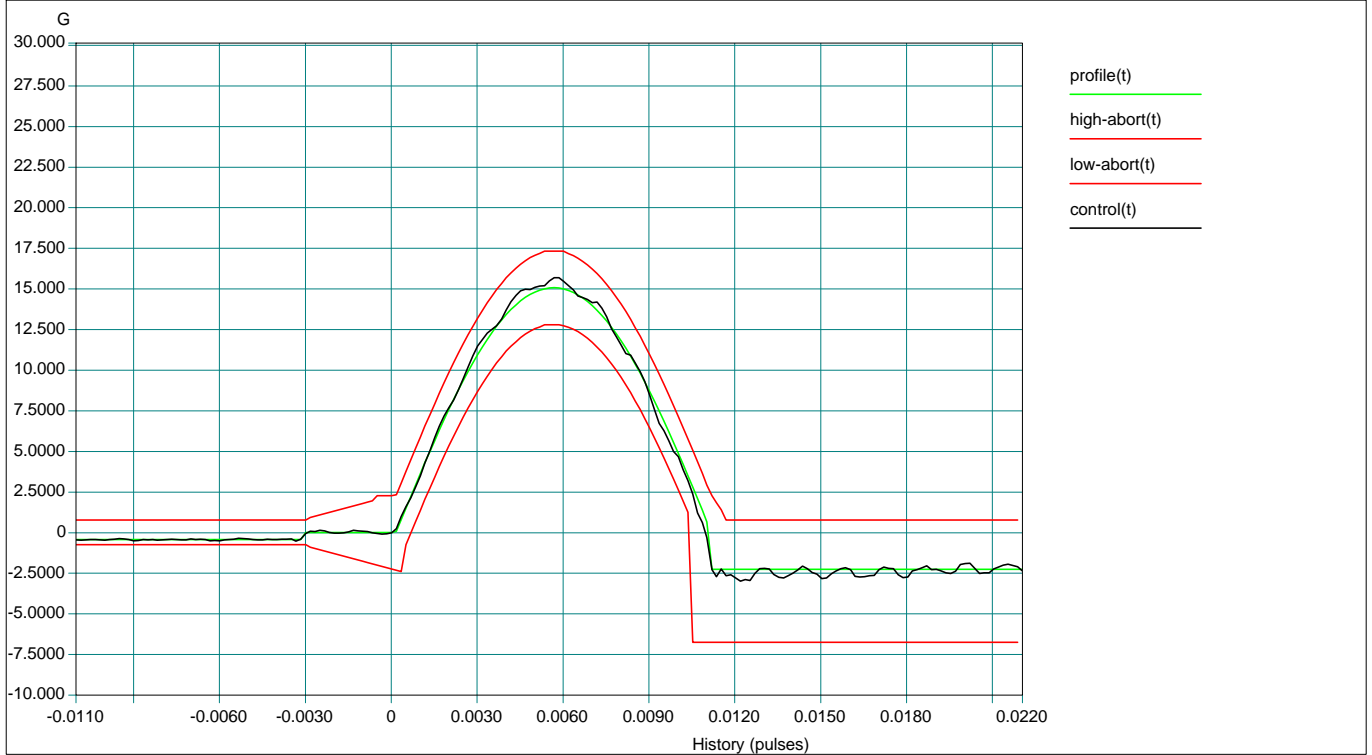
Axis Y-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-40-15



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

Frame Time: 0.682667 Seconds Control Peak: 15.607875 G Control RMS: 1.525173 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 01:40:37 PM, Wednesday, March 05, 2003

Report created at 01:40:39 PM, Wednesday, March 5, 2003

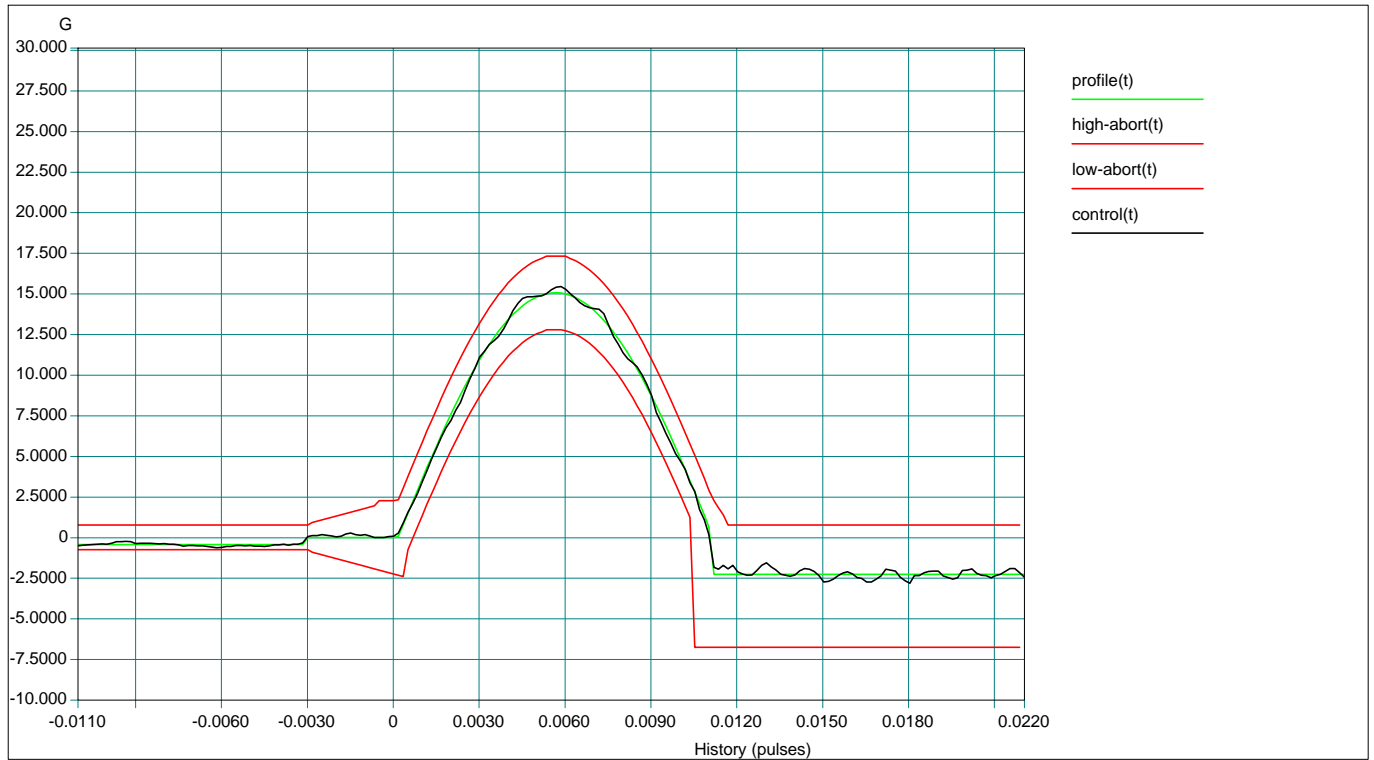
Axis Z+

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-29-46



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 15.416141 G Control RMS: 1.506824 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 01:30:24 PM, Wednesday, March 05, 2003

Report created at 01:30:27 PM, Wednesday, March 5, 2003



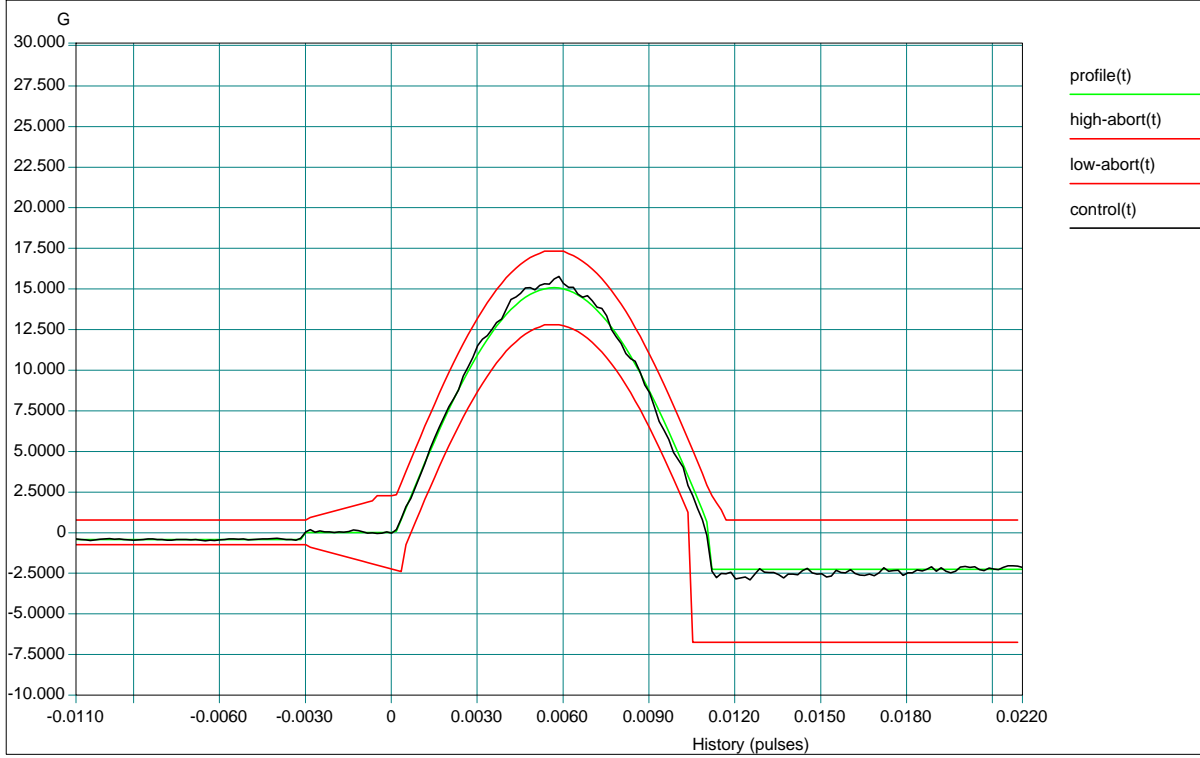
Axis Z-

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Mar 05,2003 13-33-07



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

Frame Time: 0.682667 Seconds      Control Peak: 15.694689 G      Control RMS: 1.525137 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 01:33:28 PM, Wednesday, March 05, 2003

Report created at 01:33:29 PM, Wednesday, March 5, 2003