

# OPD-215A

## Shock Test Report

Report NO :

Issued by:

\_\_\_\_\_  
Tery Huang  
ME Engineer

/

*23/1/2003*

\_\_\_\_\_  
Date

Reviewed by:

\_\_\_\_\_  
Jonny Cheng  
ME Manger

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*23/1/2003*

\_\_\_\_\_  
Date

Test Date: 23/1/2003

Test Product: **15" Open Display Monitors**

Test Site: KING DESIGN VIBRATION LABORATORY

Performed By : Art Liao

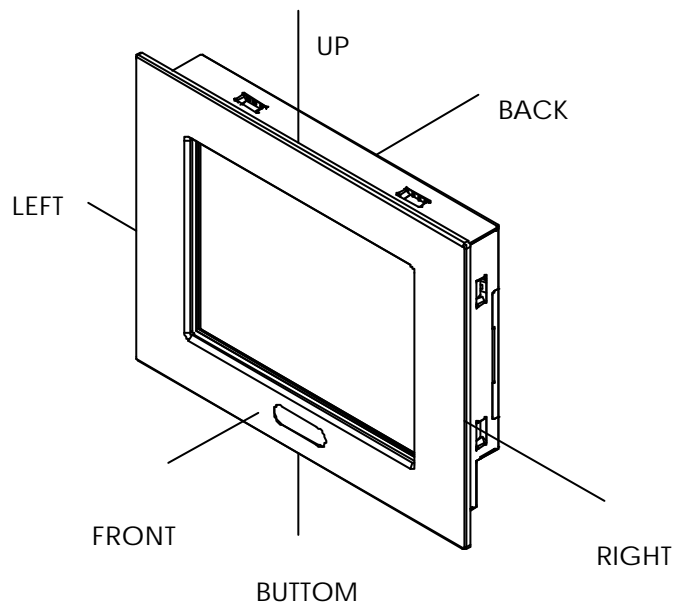
Test Standard : Reference IEC68-2-27 Testing procedures  
Test Ea : Conformity

**Test Equipment:**

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

**Test Condition :**

1. Operation
2. Wave Form : Half Sine wave
3. Acceleration : 15g
4. Duration Time : 11ms
5. No. of Shock : Each axis 3 times
6. Shock Direction : Bottom, Top, Left, Right, Front, Back axis
7. Axial Definition :



**Sample Configuration & Quantity Under Test :**

Using one OPD-215A Display Mointor

**Performance Criteria :**

- 1.The system structure doesn' t deformation; Function is OK during system test..
- 2.The switch button , cover, and slot should work properly without any interference.

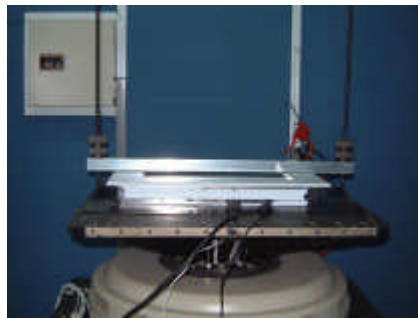
**Test Result :**

**Passed.**

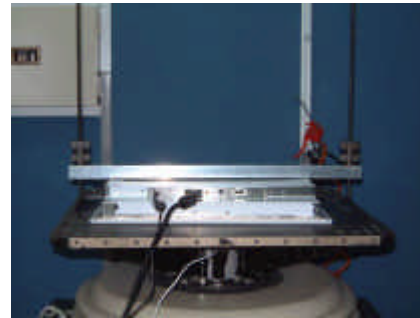
The OPD-215A. meets Shock Operation test.

**Testing Photos :**

TOP



Bottom



Left



Right



Front



Back





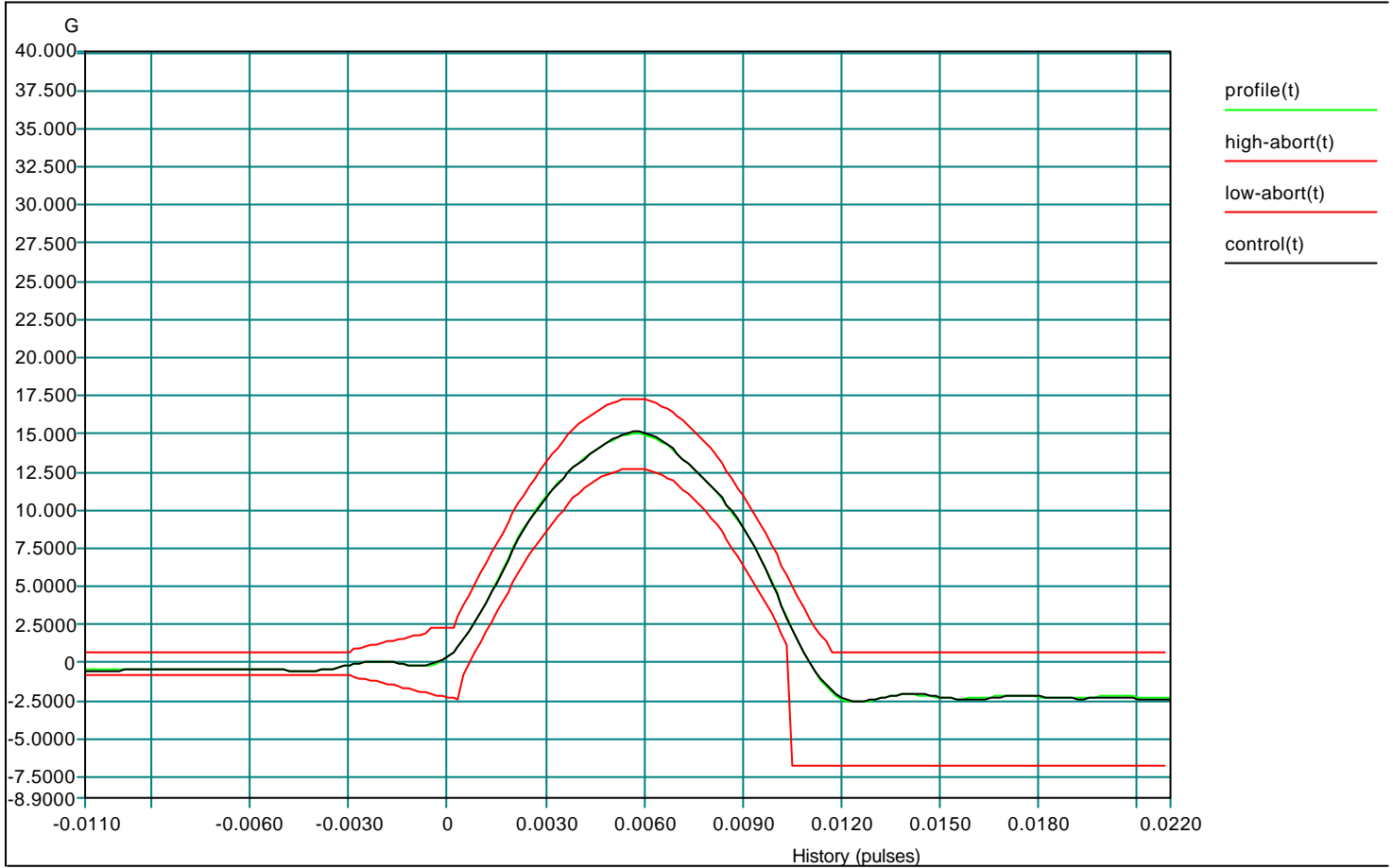
Axis z OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-45-30



Level: 100 % Block Size:4096 Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds Control Peak: 15.106660 G Control RMS: 1.491491 G Full Level Elapsed Pulses: 5  
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 10:45:52 AM, Thursday, January 23, 2003 Report created at 10:45:53 AM, Thursday, January 23, 2003



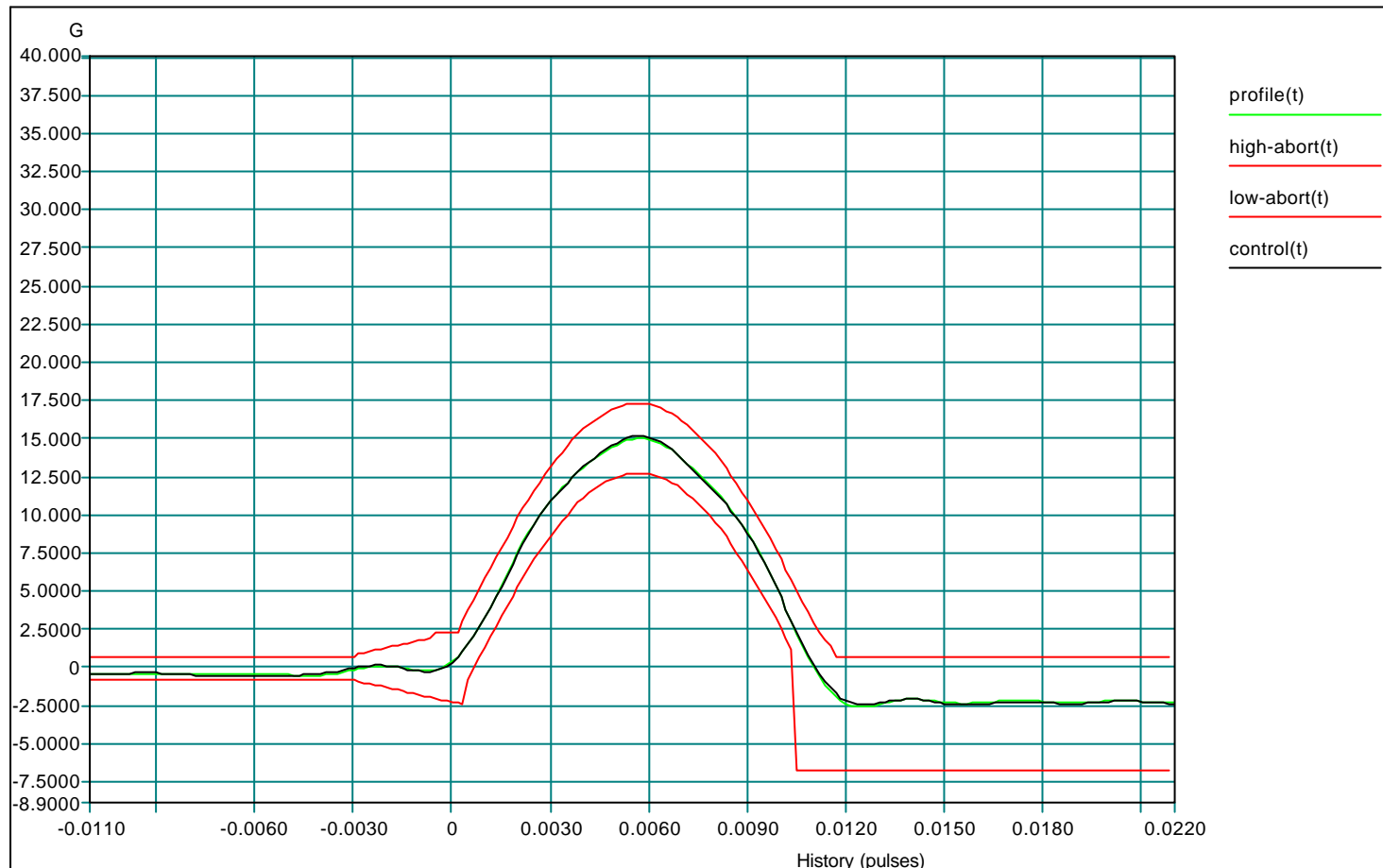
Axis -z OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-47-18



Level: 100 % Block Size:4096 Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds Control Peak: 15.164515 G Control RMS: 1.491396 G Full Level Elapsed Pulses: 5  
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

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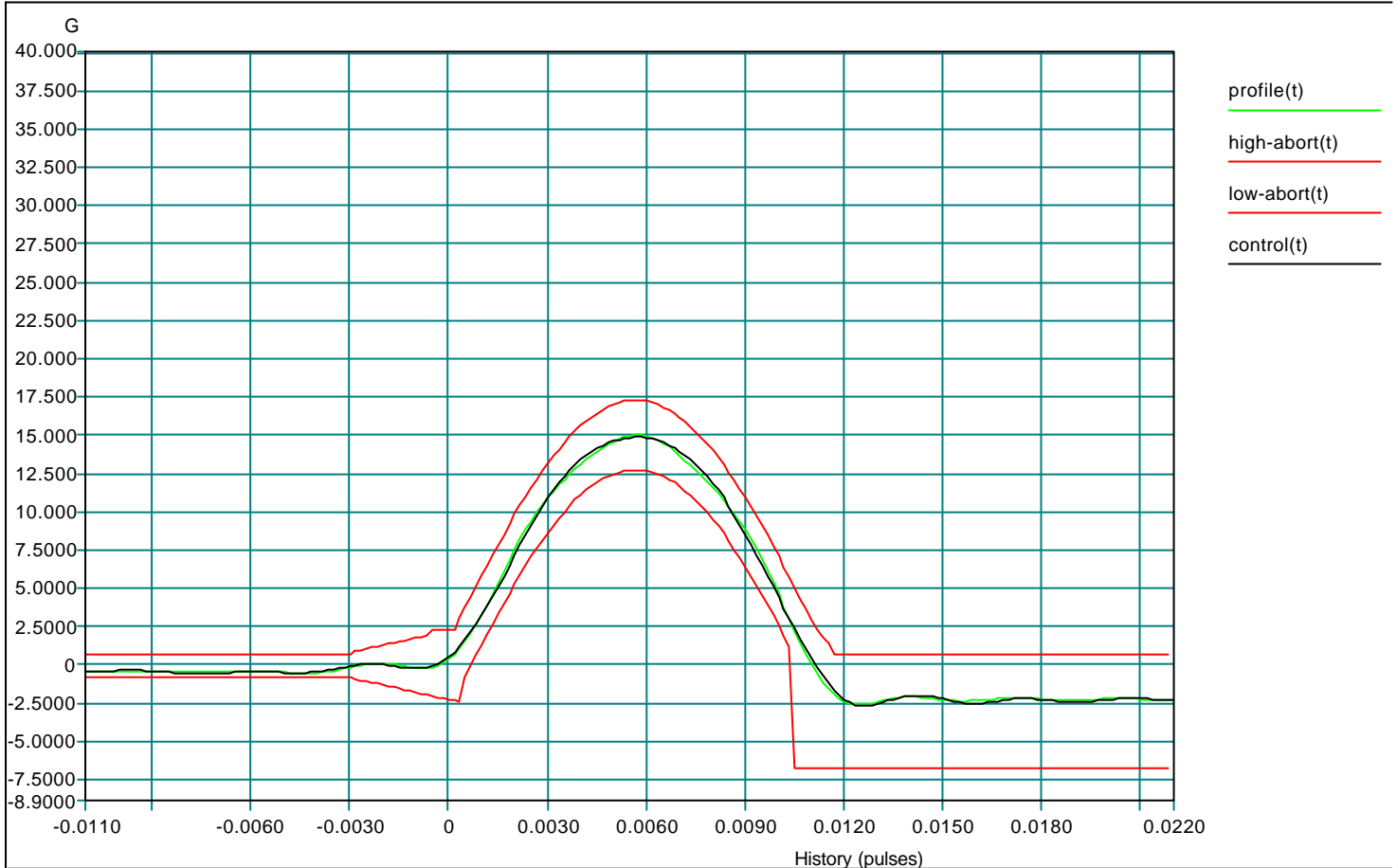
Axis x OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-49-56



Level: 100 %      Block Size:4096      Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds      Control Peak: 14.861610 G      Control RMS: 1.493990 G Full Level Elapsed Pulses: 5  
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

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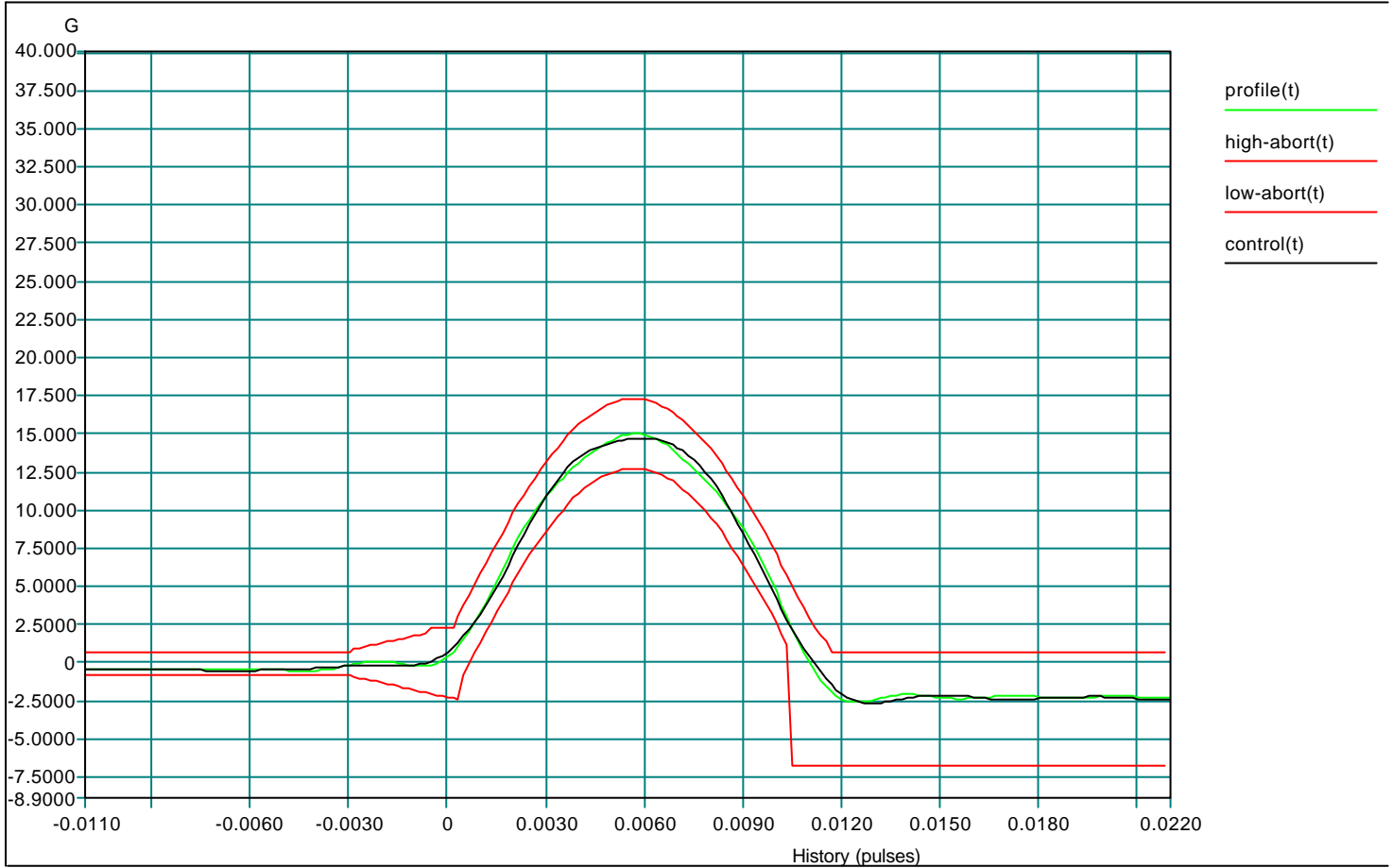
Axis -x OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-51-36



Level: 100 %      Block Size:4096      Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds      Control Peak: 14.697993 G      Control RMS: 1.493145 G Full Level Elapsed Pulses: 5  
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

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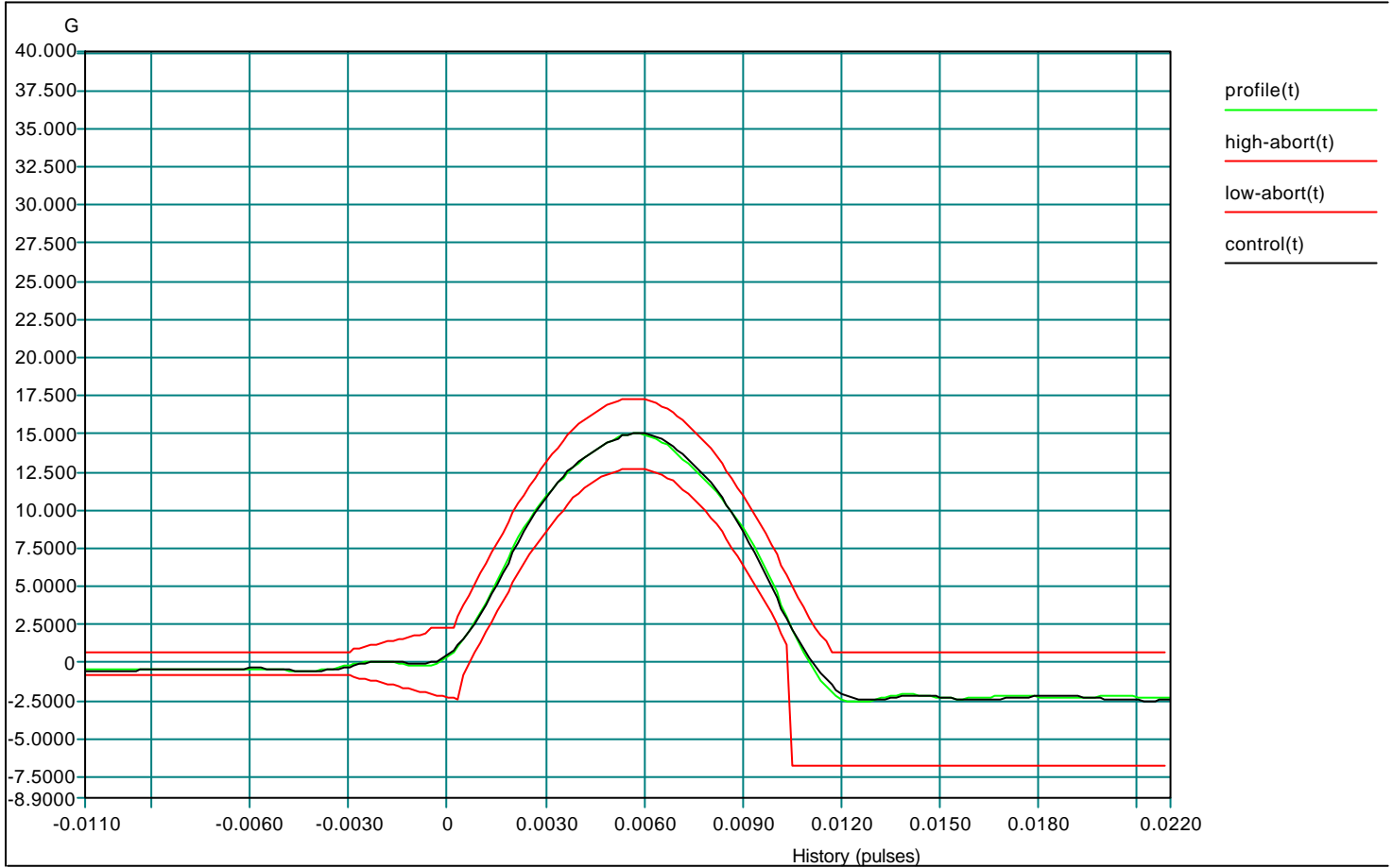
Axis -y OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-54-42



Level: 100 %      Block Size:4096      Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds      Control Peak: 15.016815 G      Control RMS: 1.491042 G Full Level Elapsed Pulses: 5  
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 10:54:59 AM, Thursday, January 23, 2003      Report created at 10:55:00 AM, Thursday, January 23, 2003





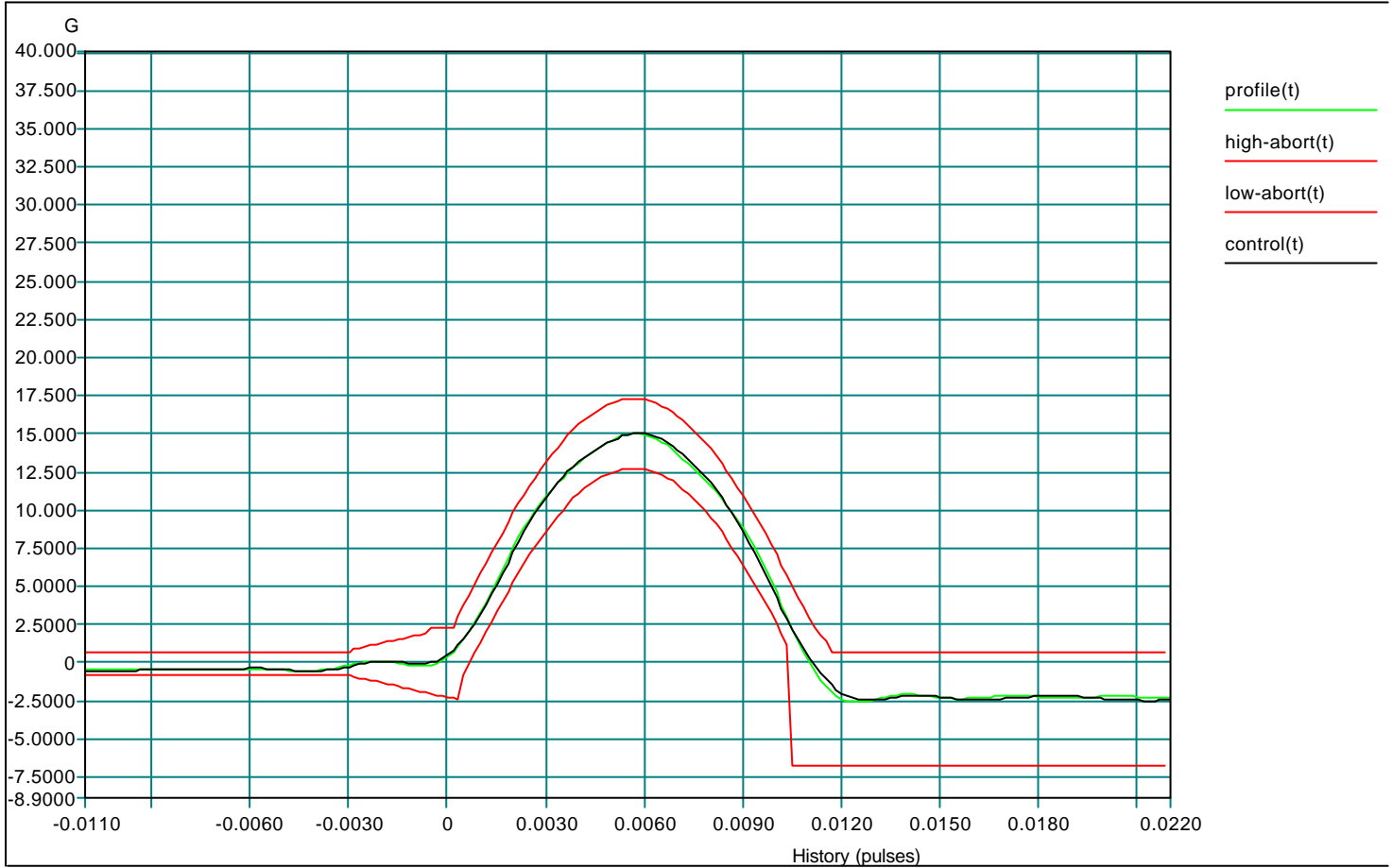
Axis -y OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-54-42



Level: 100 % Block Size:4096 Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds Control Peak: 15.016815 G Control RMS: 1.491042 G Full Level Elapsed Pulses: 5  
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 10:54:59 AM, Thursday, January 23, 2003 Report created at 10:55:00 AM, Thursday, January 23, 2003



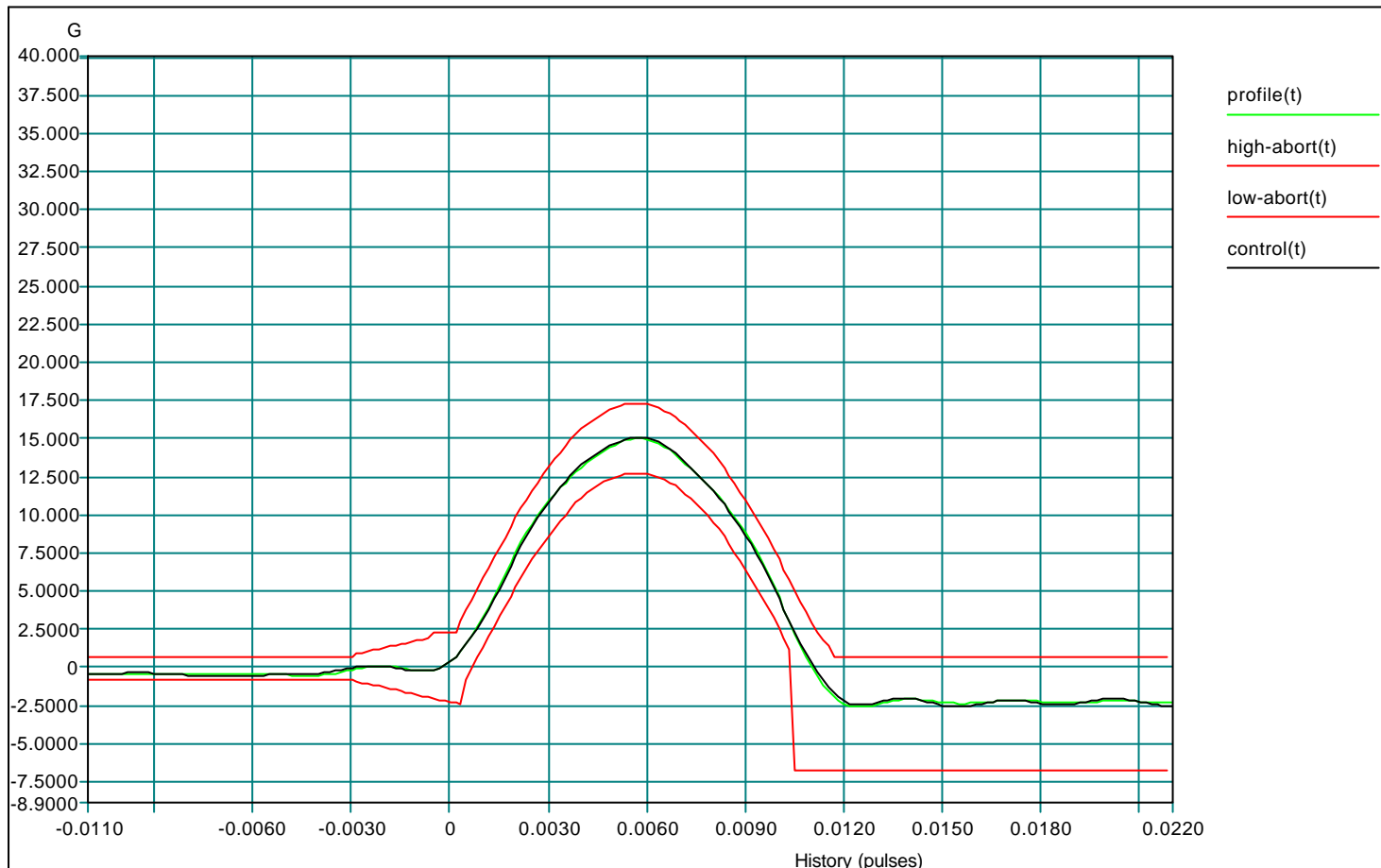
Axis y OPD-215A

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 23,2003 10-56-37



Level: 100 % Block Size:4096 Elapsed Pulses: 12  
Frame Time: 0.682667 Seconds Control Peak: 15.064720 G Control RMS: 1.491940 G Full Level Elapsed Pulses: 5  
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 10:56:56 AM, Thursday, January 23, 2003 Report created at 10:56:57 AM, Thursday, January 23, 2003

