

# AMB-551

## Shock Test Report

**Report NO :**

**Issued by:**

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*11/22/2002*

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

\_\_\_\_\_  
Date

**Reviewed by:**

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*11/22/2002*

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Jonny Cheng  
ME Engineer

\_\_\_\_\_  
Date

**Test Date:** 22-11-2002  
**Test Product:** AMB-551  
**Test Site:** KING DESIGN VIBRATION LABORATORY  
**Performed By :** Art Liao

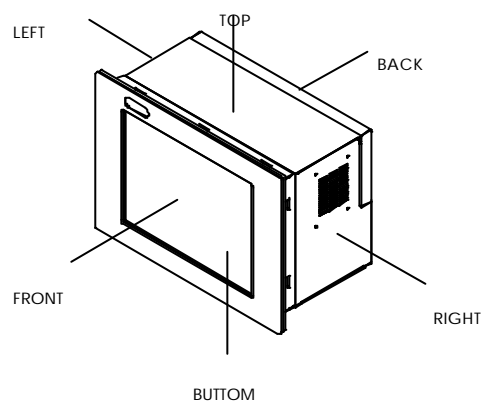
**Test Standard :** Reference IEC68-2-27 Testing procedures  
Test Ea : Conformity

**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. Non-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 AMB-551 Modular system industrial panel PCs.

1. CPU : Intel Pentium III 850MHz
2. Memory : NEC D4564841G5-A80-9JF (SDRAM PC-100) 64MB.
3. HDD : Fujitsu MHN 2060AT

**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 AMB-551 Modular system industrial panel PCs. meets Shock Non-operation test.

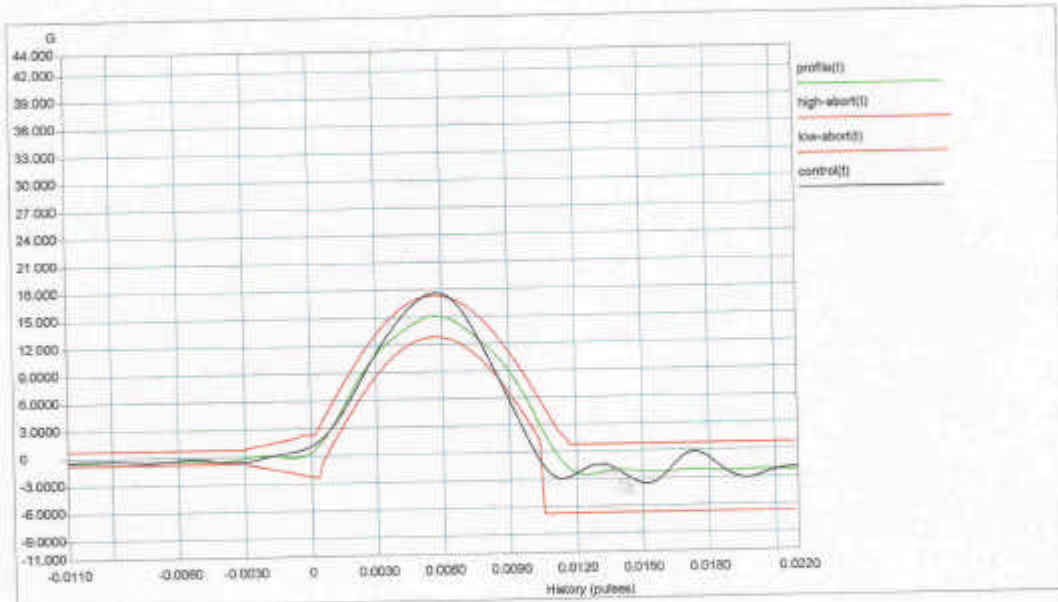
**Testing Photos :****TOP****Bottom****Left****Right****Front****Back**

## Test Curve :X

Axis x

Project File Name: 研提 15G 11ms.prj

Profile Name: 15G 11msSec Test Type: Classical Shock Run Folder: .\RunDefault Nov 22,2002 11:35:04



Level: 100 % Block Size: 4096 Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds Control Peak: 17.516157 G Control RMS: 1.584563 G Full Level Elapsed Pulses: 1  
dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms  
Data saved at 11:35:33 AM, Friday, November 22, 2002 Report created at 11:35:38 AM, Friday, November 22, 2002

Test Curve :-X

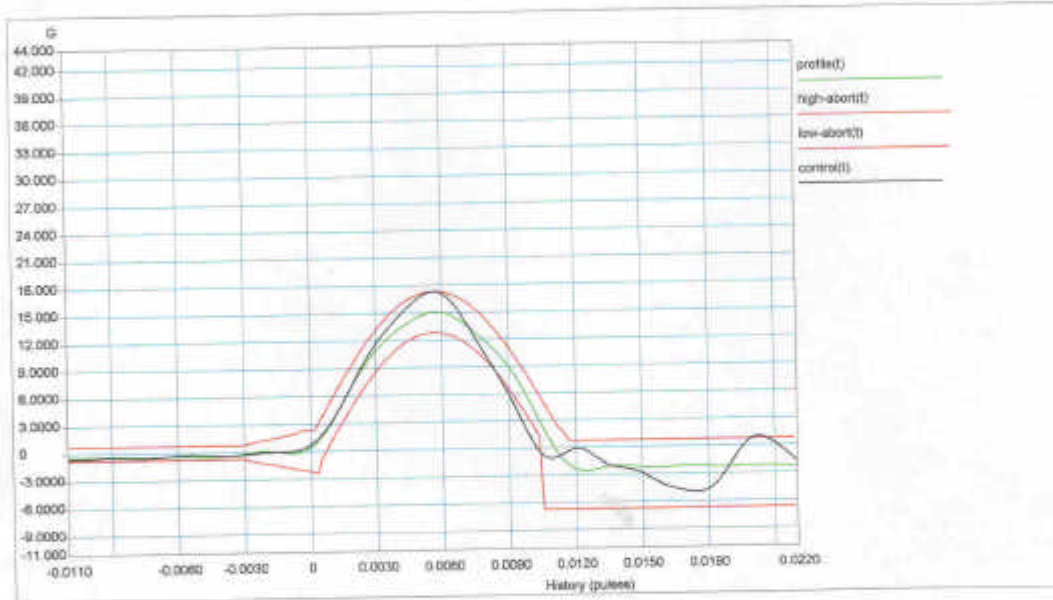
Axis -x

Project File Name: 耐振 15G 11m4.pej

Profile Name: 15G 11m5ec

Test Type: Classical Shock

Run Folder: .RunDefault Nov 22, 2002 11-42-43



Level: 100 %      Block Size: 4096      Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds      Control Peak: 17.222622 G      Control RMS: 1.668169 G Full Level Elapsed Pulses: 1  
 dT: 0.000167 Seconds      Demand Peak: 14.989828 G      Demand RMS: 1.479623 G Remaining Pulses: 0  
 Pulse Type: Half Sine      Amplitude: 14.989828 G      Pulse Width: 11.000001 ms  
 Data saved at 11:43:01 AM, Friday, November 22, 2002      Report created at 11:43:04 AM, Friday, November 22, 2002

## Test Curve :Y

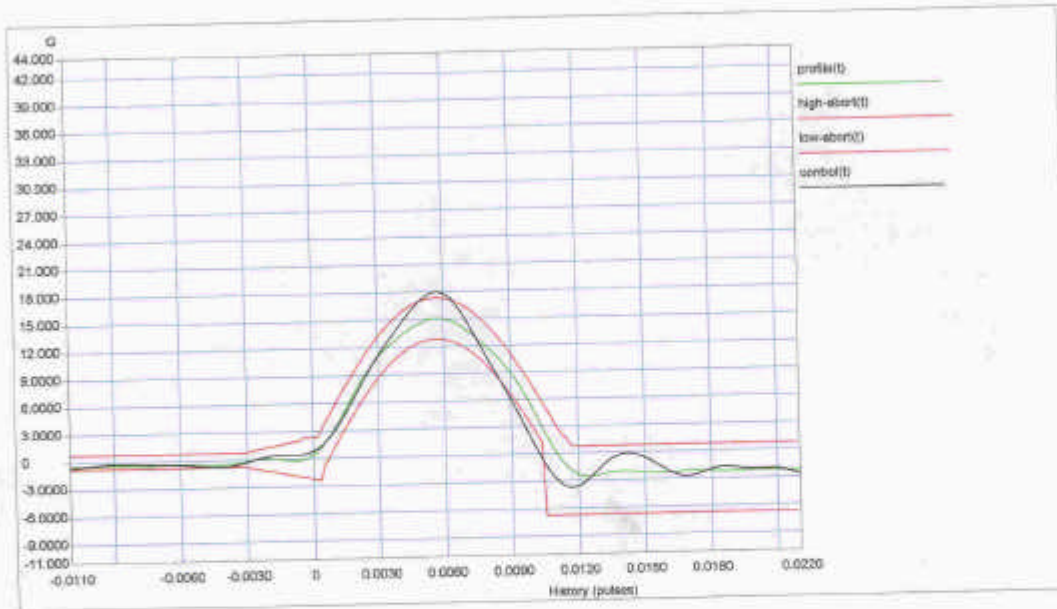
Axis y

Project File Name: 研機 15G (1ms.pr)

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: \RunDefault Nov 22,2002 11:52:41



Level: 100 %      Block Size: 4096      Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds      Control Peak: 17.872505 G      Control RMS: 1.726389 G      Full Level Elapsed Pulses: 1  
dT: 0.000167 Seconds      Demand Peak: 14.989828 G      Demand RMS: 1.479623 G      Remaining Pulses: 0  
Pulse Type: Half Sine      Amplitude: 14.989828 G      Pulse Width: 11.000001 ms  
Data saved at 11:53:08 AM, Friday, November 22, 2002      Report created at 11:53:12 AM, Friday, November 22, 2002

## Test Curve :-Y

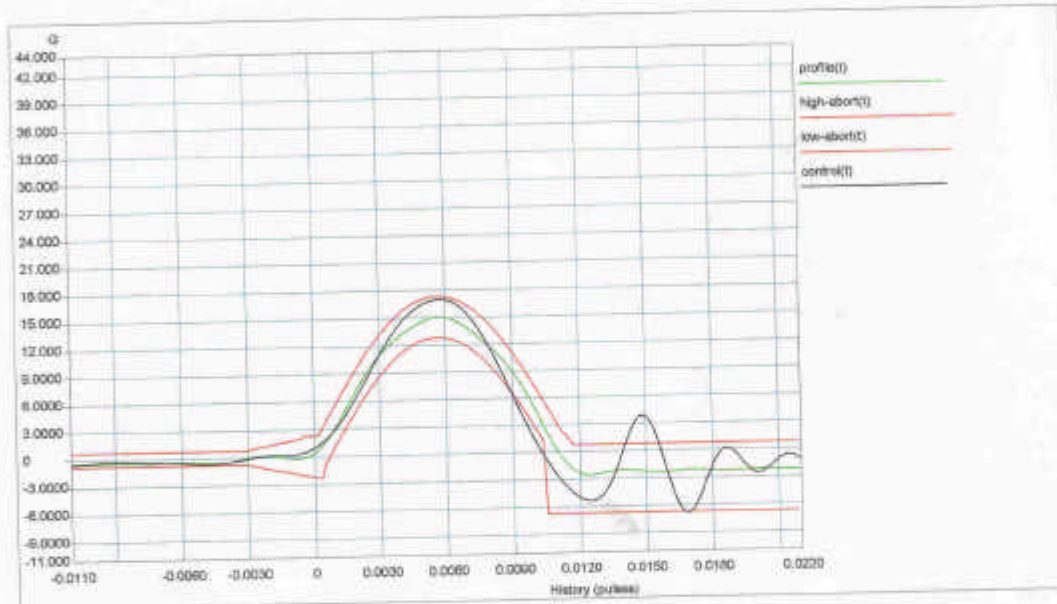
Axis -y

Project File Name: 研測 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: \RunDefault Nov 22, 2002 11-56-22



Level: 100 %      Block Size: 4096      Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds      Control Peak: 16.899820 G      Control RMS: 1.596838 G Full Level Elapsed Pulses: 1  
dT: 0.000167 Seconds      Demand Peak: 14.989828 G      Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine      Amplitude: 14.989828 G      Pulse Width: 11.000001 ms  
Data saved at 11:56:47 AM, Friday, November 22, 2002      Report created at 11:56:50 AM, Friday, November 22, 2002

## Test Curve :Z

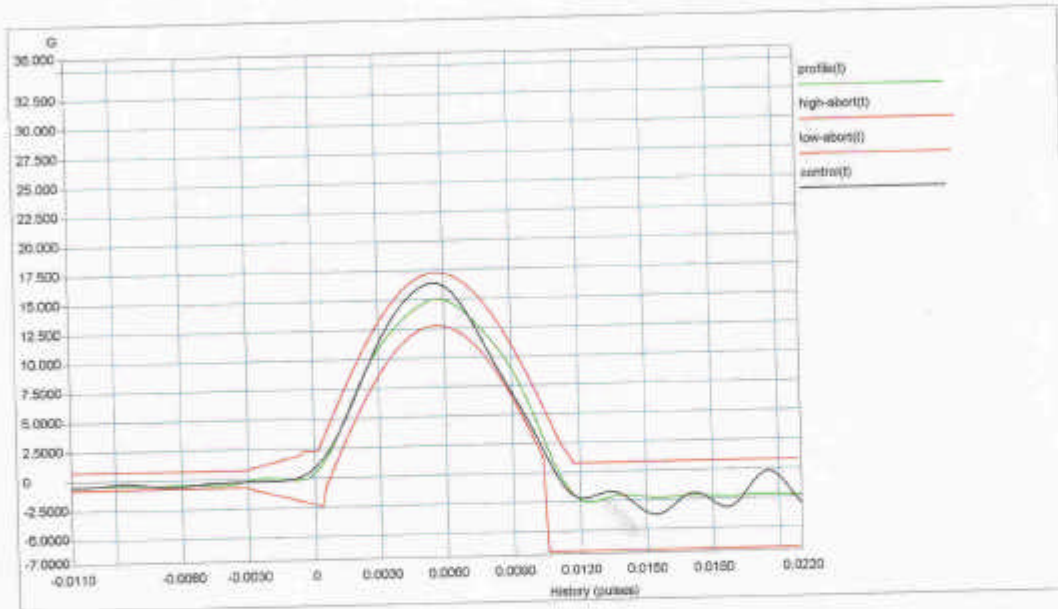
Axis z

Project File Name: 研測 15g 11ms.ptj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .RunDefault Nov 22, 2002 10:40:56



Level: 100 % Block Size: 4096 Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds Control Peak: 16.360498 G Control RMS: 1.524937 G Full Level Elapsed Pulses: 1  
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 10:40:57 AM, Friday, November 22, 2002 Report created at 10:41:18 AM, Friday, November 22, 2002



## Test Curve :-Z

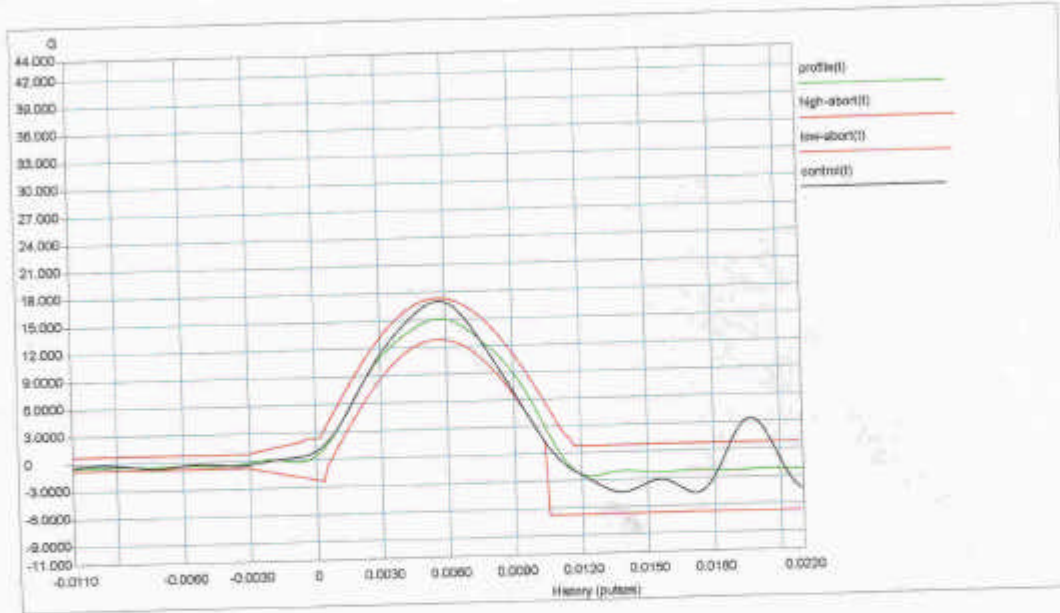
Axis :-Z

Project File Name: 研機 15G 11ms.prj

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\RunDefault Nov 22,2002 11:39:47



Level: 100 %      Block Size: 4096      Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds      Control Peak: 16.901325 G      Control RMS: 1.648067 G Full Level Elapsed Pulses: 1  
dT: 0.000167 Seconds      Demand Peak: 14.989828 G      Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine      Amplitude: 14.989828 G      Pulse Width: 11.000001 ms  
Data saved at 11:40:10 AM, Friday, November 22, 2002      Report created at 11:40:13 AM, Friday, November 22, 2002