

Shock Test Report

Test Item: Shock Test		File No: SDT-003932
Product Name: IPPC1202-RE V-A1	S/N: S02IPPC12--A10100P	Quantity: 1
Date: 2015 / 07 / 24	Temperature: 23.4°C	Humidity: 46.0%RH
Place: Intertek Lab	Inspector: Kevin	Leader: Tony Tsai

Configuration:

Item	Description	S/N
M/B	IB806-D25S V-1.0	ZD01IB806---10030P
CPU	Intel® Atom™ Processor D2550 (1M Cache, 1.86 GHz)	C018ATOMG18615100P
PCH	Intel® CG82NM10 PCH	C01382NM100024000P
HeatSink	IPPC-1202-RE V-A1	H051IPPC1202RE00AP
DIMM	Transcend / SO-DIMM DDR3L 2G/1600 1.35V 256M*8 [TS7W9SDSQ-I]	C0373900200081520P
SSD	Intel / 2.5" SATA3 180G MLC 530 SERIES 7mm [SSDSC2BW180A401]	A002SSDSA180G1000P
Board	IP930 V-B1	ZD05IP930---0B110P
Board	ID910 V-B1	ZD06ID910---0B110P
LCD Panel	IVO / 12.1" TFT-LCD [M121GNX2 R1]	A003LCDM121GNX000P
Touch panel	ELO / 12.1" 5-WIRE RESISTIVE ZERO-BEZEL [E803003]	A003LCDPANEL07600P
Controller	PENMOUNT / [6202B-CW5]	A008CTRL6202B0000P
CASE	IPPC-1202-RE V-A1	Y02IPPC12020A1100P
PSU	FSP / ADAPTER 84W 12V W/LOCK [FSP084-DIBAN2]	A005PS084W0070200P

Test Result:

	Appearance Check	Functional Check	Conclusion Result
Non-operating	Pass	Pass	Pass
Operating	Pass	Pass	Pass

Test Equipment:

Item	Description	Remark
Equipment	Vibration Shaker	Intertek Lab
Manufacturer	Shinken	
Model Number	G-0220 N	
Data of Calibration	Sep. 29, 2014	

Test Procedure:

1. Check the sample's appearance before the test.
2. Install the sample on the testing table and set up testing condition.
3. After testing, take off sample from table putting in the storage area.
4. Observe the sample and record for any visible change after testing.

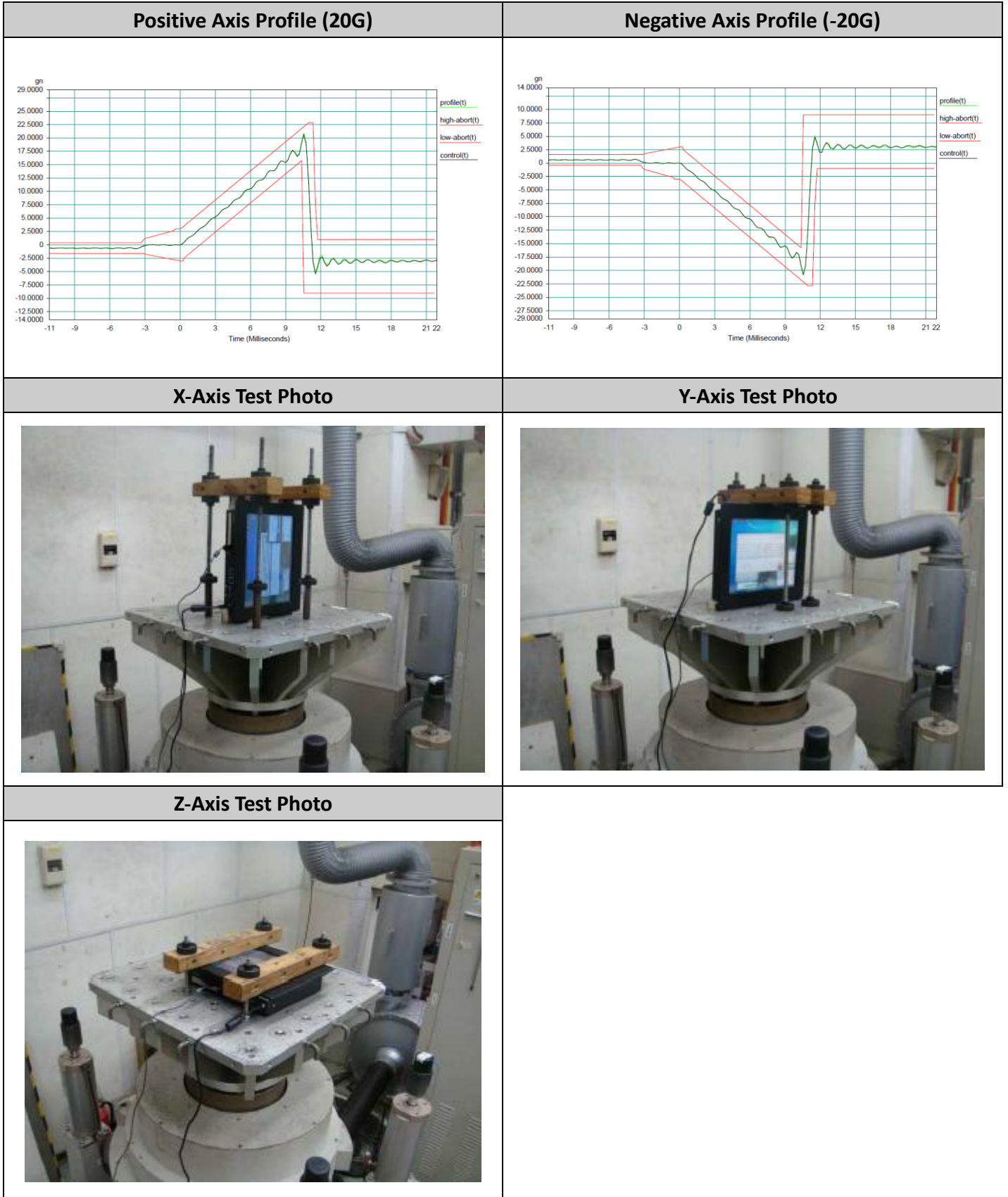
Conditions:

The test was performed with reference to MIL-STD-810G Method 516.6

	Operating	Non-Operating
Wave Form	Sawtooth Wave	Sawtooth Wave
Acceleration	20G	40G
Duration Time	11 ms	11 ms
Shock Direction	$\pm X$, $\pm Y$, $\pm Z$ axis, each axis 3 times.	$\pm X$, $\pm Y$, $\pm Z$ axis, each axis 3 times.

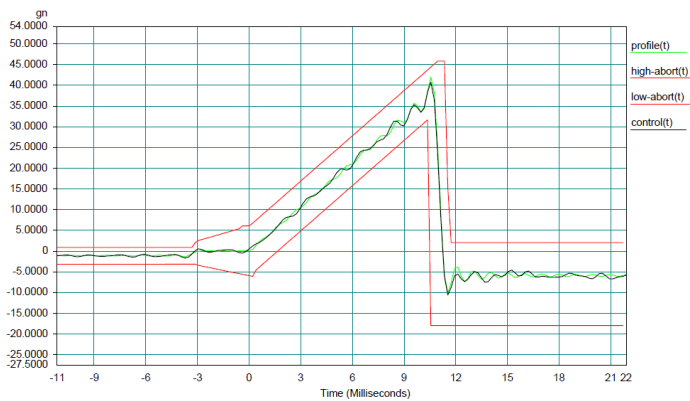
Testing Photos:

1. Shock (Operating):

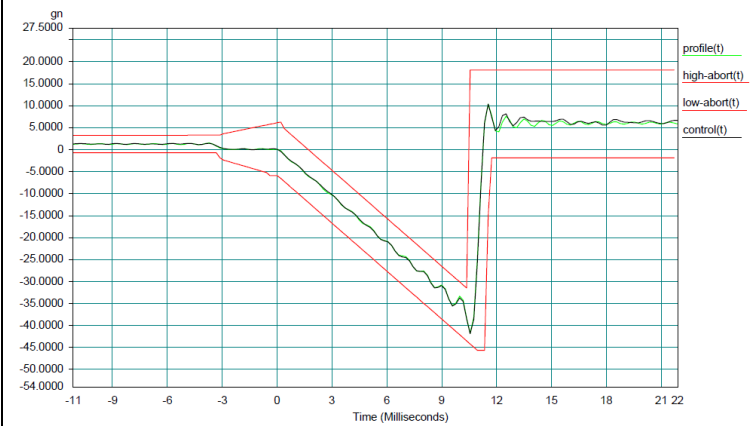


2. Shock (Non- Operating):

Positive Axis Profile (40G)



Negative Axis Profile (-40G)



X Axis Test Photo



Y Axis Test Photo



Z Axis Test Photo



Sample Functional Check Photo after the test(Pass)

The screenshot displays the BurnInTest software interface with several test windows open. A 'STOP BIT' window is prominently overlaid in the center. The main window shows a summary table of test results.

BurnInTest - CPU

Test	Threads	Executed	Verified
General:	1	492917.4	492917.4
Floating Point:	0	244469.3	244469.3
Extensions:	3	514006.3	514006.3
Primes:	0	1036.0	1036.0
Max Heat:		N/A	

*Extensions: MMX,SSE,SSE2,SSE3

BurnInTest - 3D Test

0.08 fps (294x172x32)
 HAL (hw vp): Intel(R) Graphics Media Accelerator 3B

BurnInTest - Disk Test

Disk: C: - Cycle 5 Verifying
 13%
 Free disk scan progress:
 24%
 Pattern: Sequential data pattern
 MBytes Written: 5328.0
 MBytes Verified: 4557.0
 Current Speed : 1.6 MB/Sec

BurnInTest - Memory (RAM) - Standard

Cycle 148: Testing
 26%
 Pattern: 32-bit Zeros (00000000)
 Total RAM: 2035.9 MB
 Free RAM: 498.6 MB
 Test RAM: 941.2 MB
 MBytes Written: 138731.4 MB
 MBytes Verified: 138423.5 MB
 Speed (W / R): 340.3 / 0.0 MB/s

BurnInTest - Video Memory Test

Available Video Memory: 32.00MB
 Test Video Memory: 15.00MB

STOP BIT

Burn In Results

Test Name: T-PC
 Configuration file: LastUsed.bitcfg
 Status: RUNNING
 Start time: Tue Jul 14 17:04:32 2015
 Stop time: -
 Duration: 001h 24m 09s

Test Name	Cycle	Operations	Errors	Last Error Description
2D Graphics	15	956	0	No errors
3D Graphics	0	880	0	No errors
CPU	296	1,252 Trillion	0	No errors
Disk (C:)	5	10.365 Billion	0	No errors
Disk (D:)	9	15.836 Billion	0	No errors
Memory (RAM)	148	290 Billion	0	No errors
Network 1	39	1,584 Million	0	No errors
Sound	20	70.042 Million	0	No errors
Video Playback	0	30	0	No errors

View errors by categories

Ready

SiSoftware Sandra v20...
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 2015/7/14