

FWS-7360

With 2.5" SATA HDD

Vibration Test Report

Report NO: 18I090005

Test Cause

For ATRF No. QE180210 Request



Summary	<p><input checked="" type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail Note : There is/are ___ defect(s) not list in the report, please check it in the DTS Website.</p> <p><input type="checkbox"/> Pass with Deviation Comment: _____</p>
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Issue date

2018-03-16

QE Manager

KJ Wang

Test Engineer

Jerry Chen

Test item list

1. *Test item list* ----- 2
2. *Configuration of EUT* ----- 3
3. *Random Vibration Operation Test* ----- 4
4. *Random Vibration Non-operation Test* ----- 5

Testing Result

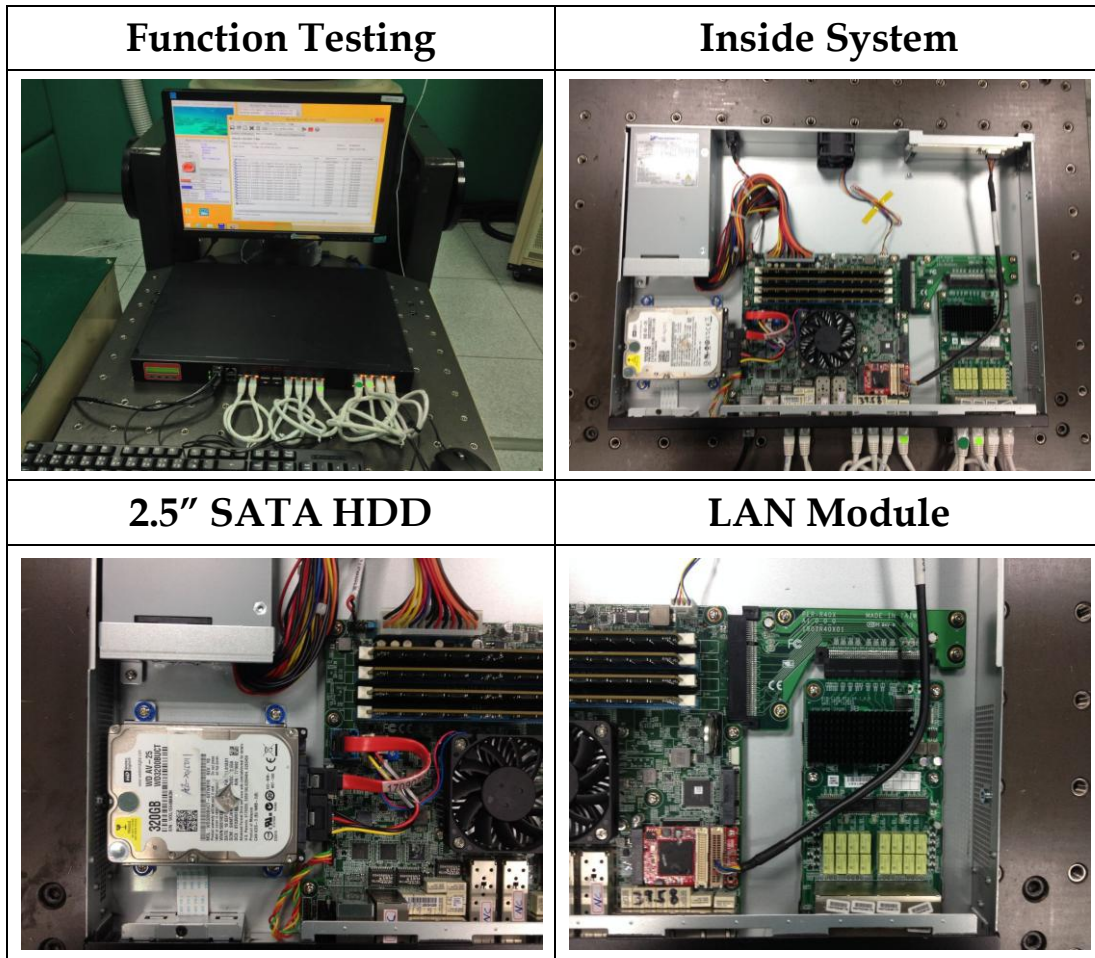
Num	Test item list	Result	Remark
1.	Random vibration operation test	Pass	
2.	Random vibration non-operation test	Pass	

Configuration of EUT

Num	Item	Spec
1	Model Name	FWS-7360 / Ver. A0.1
2	Main Board	NMB-7360 / Ver. A0.1
3	BIOS Ver.	FWS-7360 R0.2 (K736AM02) (02/09/2018)
4	CPU Type	Intel Atom CPU C3958 @ 2.00GHz
5	Memory	Innodisk 16GB DDR4 2666 REG *4 / chipset: SEC 746 K4A8G045WB BCTD
6	2.5" SATA HDD	WD / WD3200BUCT / 320GB *1
7	Riser Card	PER-R40X / Ver. A1.0
8	LAN Module	NIM-C13B / Rev. A0.1
9	VGA display card	EMPV-1201-C1
10	Test Software	Windows 8 / Run PassMark BurnIn test 8.1 Pro
11	Adapter:	FSP / FSP100-50LG / 100W

Photos

After test



Random Vibration Operation Test

Test Date: 03-15-2018

Test Product: FWS-7360 (with 2.5" SATA HDD)

Test Site: AAEON QE Dept.

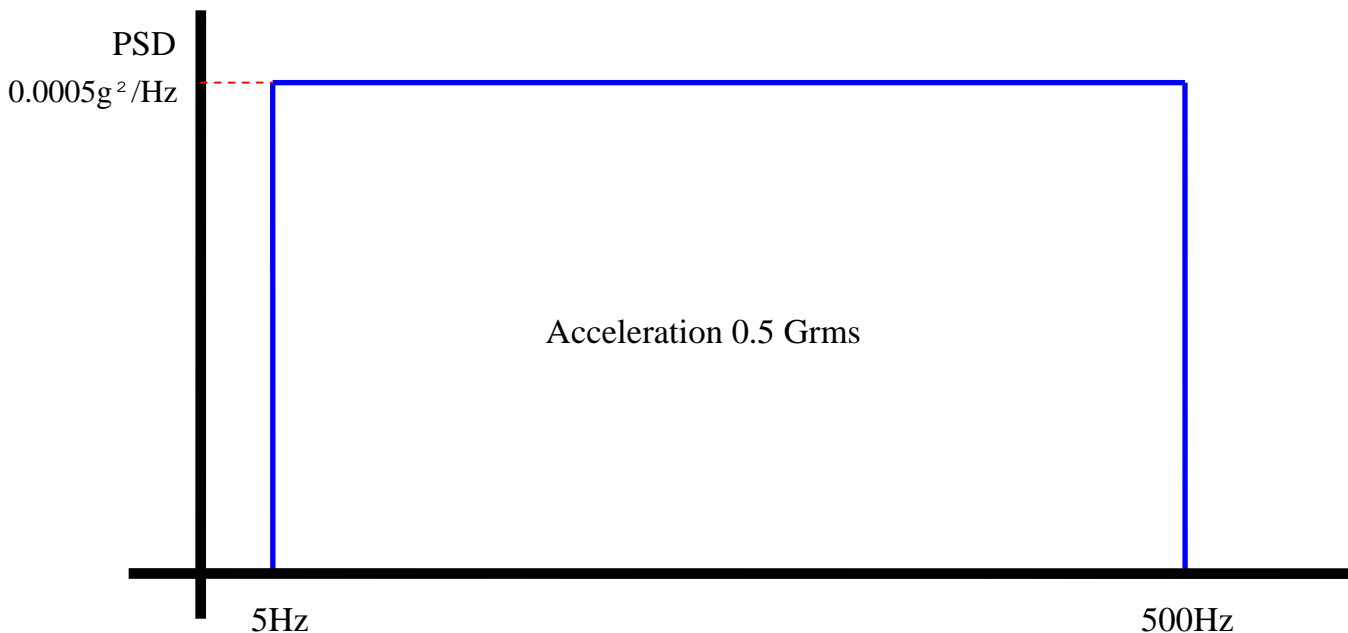
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broad-band random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N120
Serial Number: UU110099090
Date of Calibration: 10/11/2017
Due date of Calibration: 10/10/2018

Test Condition:

1. Operation
2. Test Acceleration: 0.5 Grms Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axes
5. Test Time: 60min each axis
6. Test Software: Windows 8 / Run PassMark Burn In Test 8.1 Pro.
7. Test Vibration Curve:



Test Result:

No structure deformation was found, and function was working normally.

Random Vibration Non-operation Test

Test Date: 03-16-2018

Test Product: FWS-7360 (with 2.5" SATA HDD)

Test Site: AAEON QE Dept.

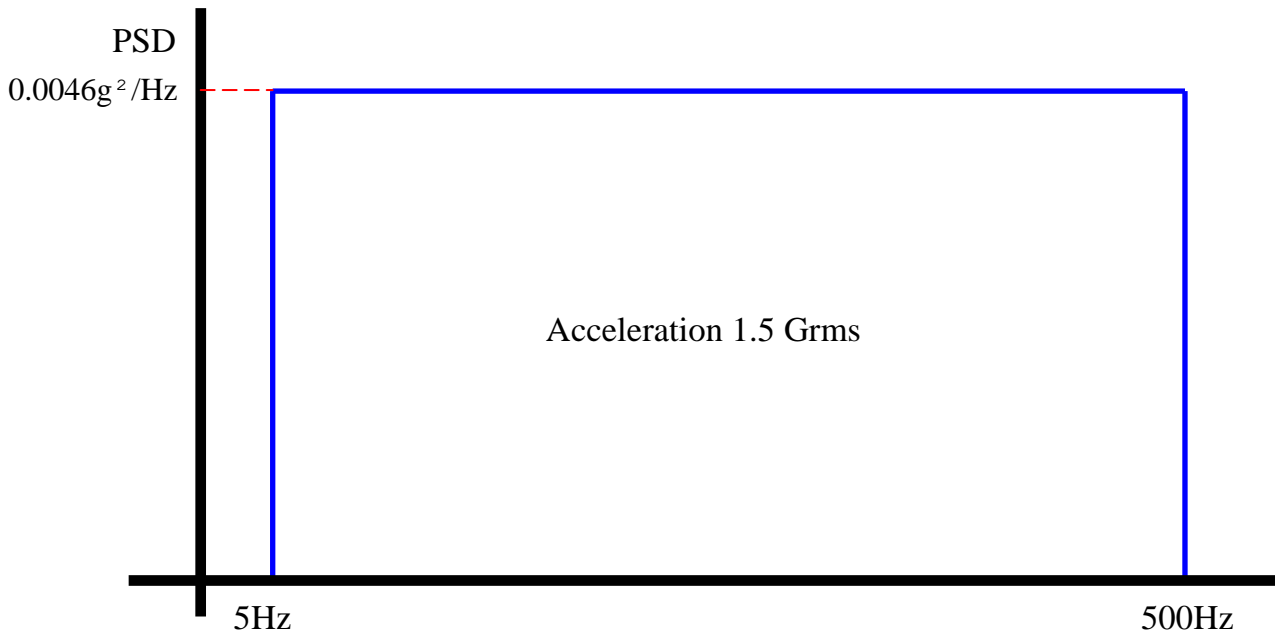
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broadband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N120
Serial Number: UU110099090
Date of Calibration: 10/11/2017
Due date of Calibration: 10/10/2018

Test Condition:

1. Non-operation
2. Test Acceleration: 1.5 Grms Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axes
5. Test Time: 60min each axis
6. Test Vibration Curve:



Test Result:

No structure deformation was found, and function was working normally after vibration test.