

FWS-2273

With 2.5" SATA HDD

Vibration Test Report

Report NO: 17I030013



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

2017-08-07

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

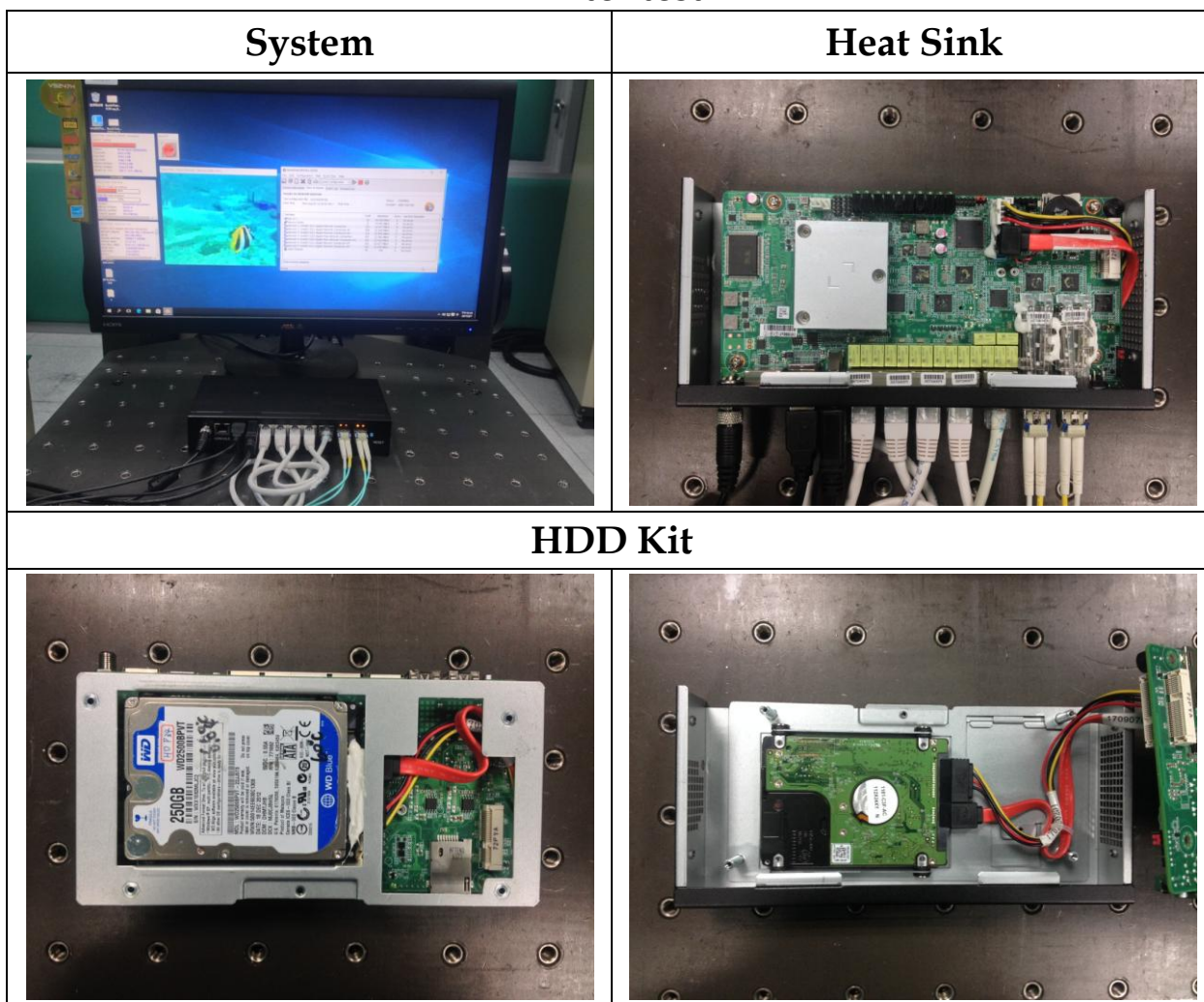
Num	Test item list	Result	Remark
1.	Random vibration operation test	Pass	
2.	Random vibration non-operation test	Pass	

Configuration of EUT

Num	Item	Spec
1	Fanless System	FWS-2273 / Ver. A0.1
2	Main Board	NMB-2273 / Ver. A0.1
3	BIOS Ver.	NMB-2273 R0.0 (N273AM00) (06/16/2017)
4	CPU Type	Intel Celeron N3350 / 1.10GHz
5	Memory	Transcend 8GB DDR3L 1600 SO I / SEC K4B4G0846D
6	2.5" SATA HDD	WD 250GB / WD2500BPVT
7	Test Software	Windows 10 / Run PassMark BurnIn test 8.0 Pro
8	Adapter:	FSP / FSP040-RHAN2 / 12V, 3.33A

Photos

After test



Random Vibration Operation Test

Test Date: 08-03-2017

Test Product: FWS-2273 (with 2.5" SATA HDD)

Test Site: AAEON QE Dept.

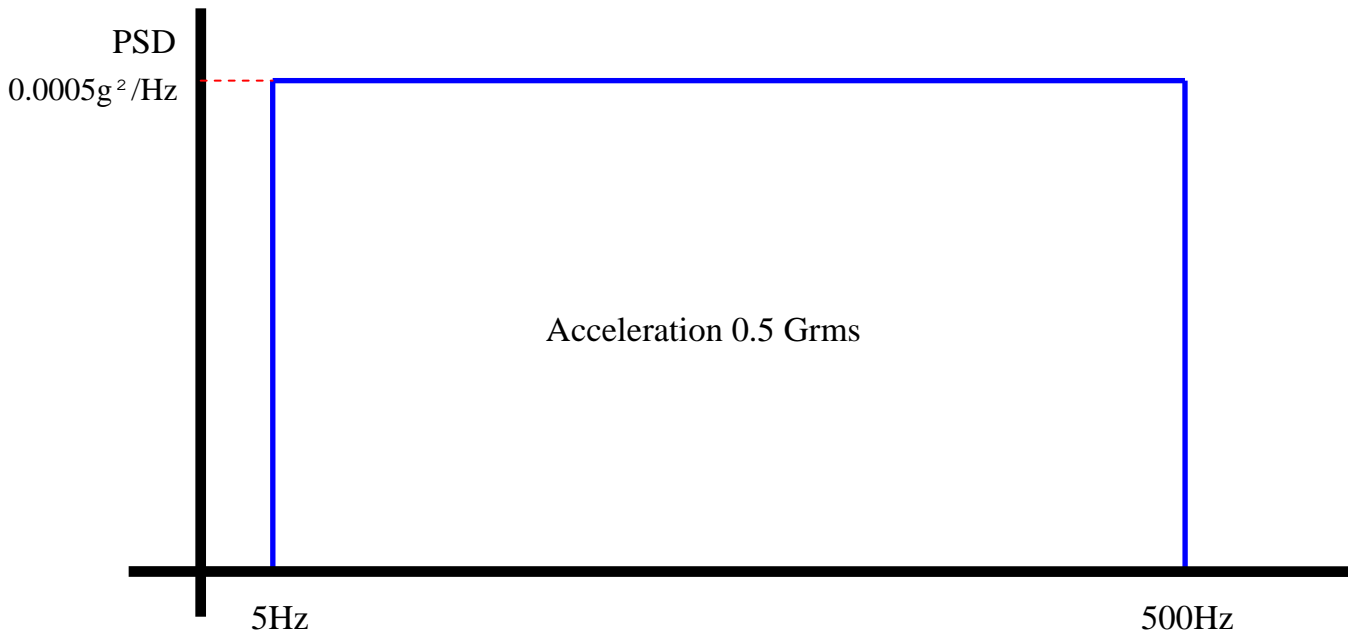
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broad-band random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N120
Serial Number: UU110099090
Date of Calibration: 10/18/2016
Due date of Calibration: 10/17/2017

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 10 / Run PassMark Burn In Test 8.0 Pro.
7. Test Vibration Curve:



Test Result:

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

Random Vibration Non-operation Test

Test Date: 08-04-2017

Test Product: FWS-2273 (with 2.5" SATA HDD)

Test Site: AAEON QE Dept.

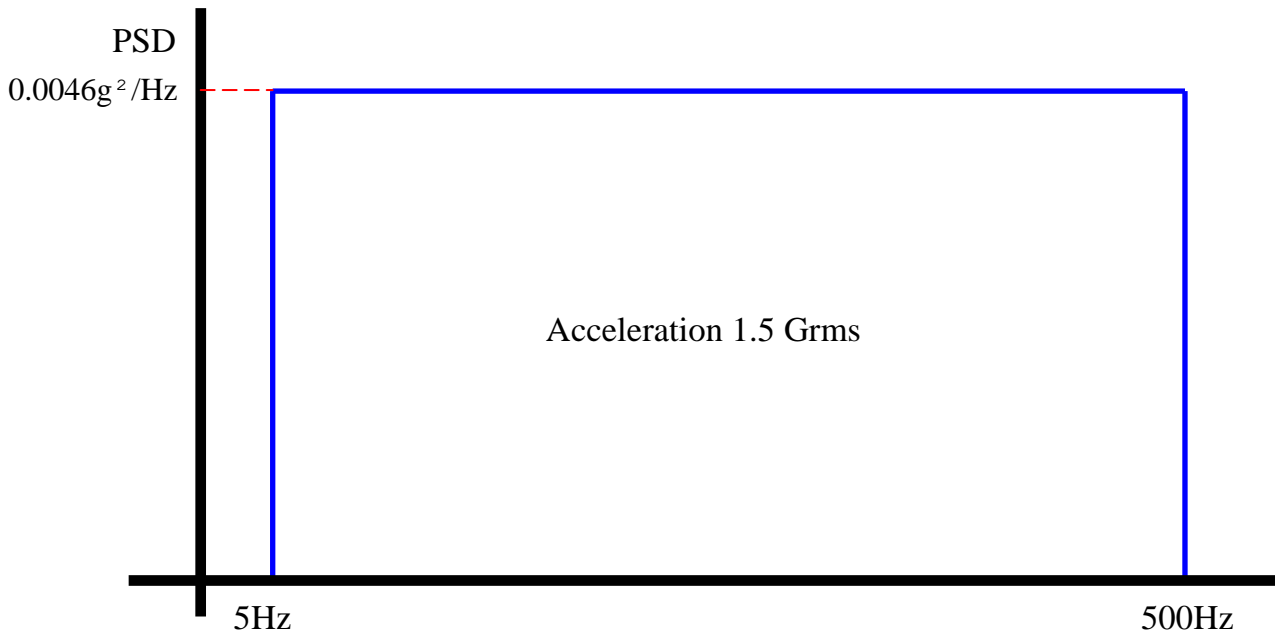
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broadband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N120
Serial Number: UU110099090
Date of Calibration: 10/18/2016
Due date of Calibration: 10/17/2017

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.