

FWS-2272

With SATA DOM + Onboard eMMC

Vibration Test Report

Report NO: 17I030016



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>
---------	---

Issue date

2017-11-02

Approval

KJ Wang

Issued by

Rex Chang

Test item list

1. *Test item list* ----- 2
2. *Random Vibration Operation Test* ----- 3
3. *Random Vibration Non-operation Test* ----- 4

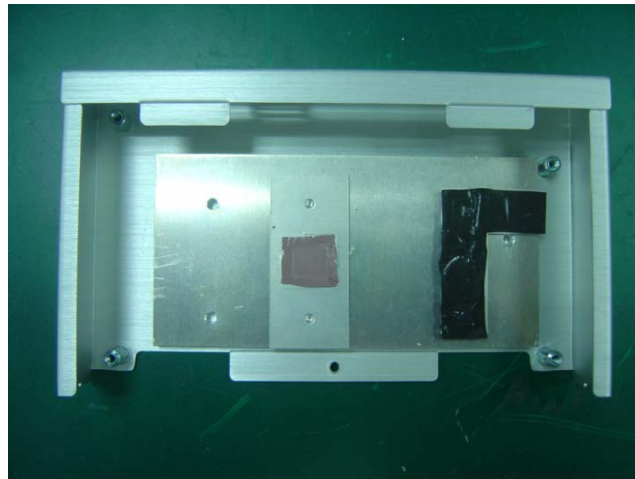
Testing Result

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

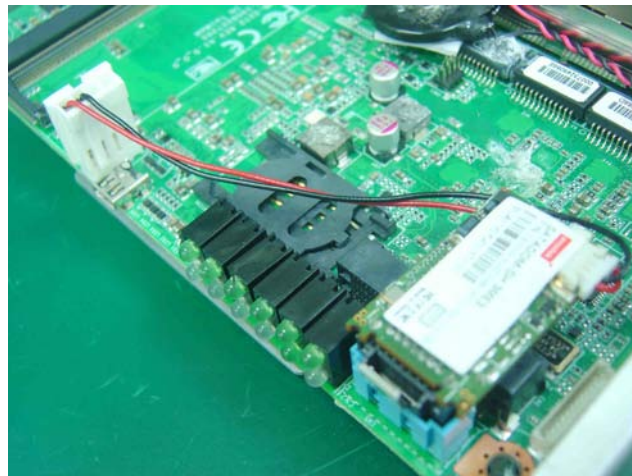
Configuration of EUT

Num	Item	Spec
FWS-2272		
1	CPU Board	NMB-2272 Ver. A1.0
2	CPU	Intel N3350 / 1.10GHz
3	BIOS	R0.5 (K272AM05)(09/19/2017)
4	Onboard Memory	LPDDR4 2GB / SAMSUNG K4F8E304HB-MGCJ
5	SATA DOM	Innodisk SATADOM 3M3E /128GB (with Windows 10 O.S.)
6	Onboard eMMC	Hynix.H26M52208FPR / 16GB
7	Test Software	Windows 10 / Run PassMark Burn In Test 8.1 Pro from SATA DOM
8	Adapter	FSP040-DGAA1 / 12V; 3.33A Max

Heat Sink



SATA DOM



Random Vibration Operation Test

Test Date: 11-01~ 02-2017

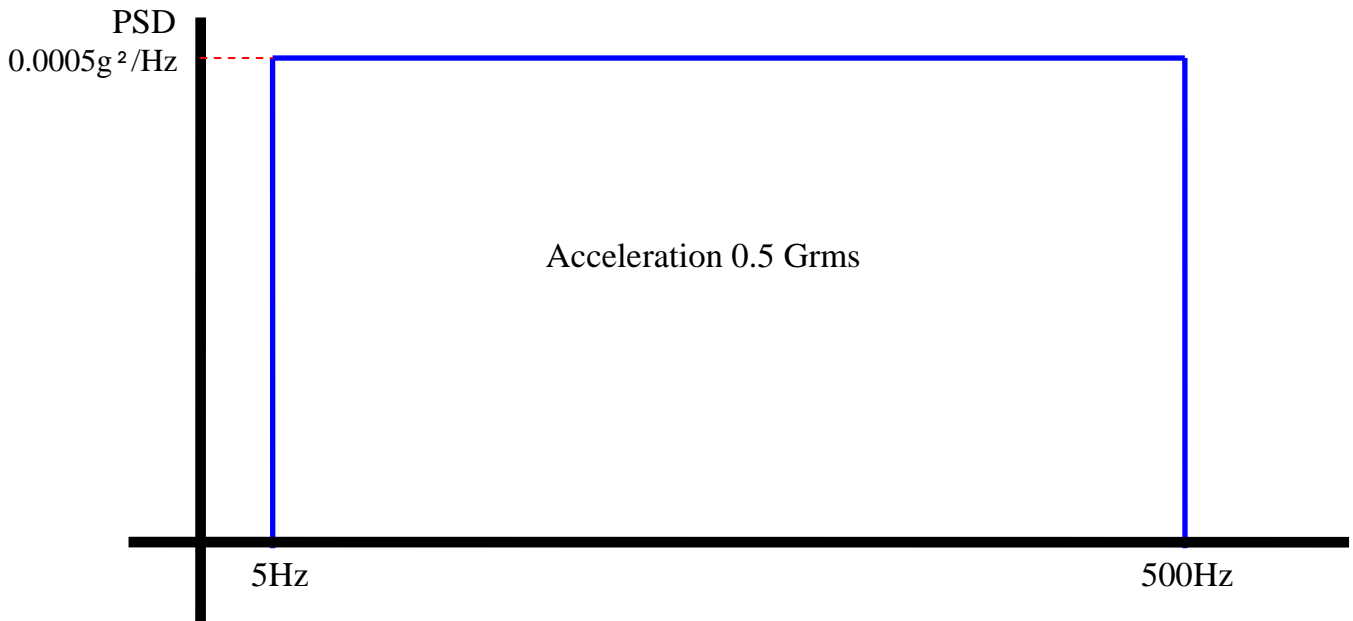
Test Product: FWS-2272 (with SATA DOM + Onboard eMMC)

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-40N20
Serial Number: UU110099090
Date of Calibration: 10/11/2017
Due date of Calibration: 10/10/18

- 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 / 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: 11-02-2017

Test Product: FWS-2272 (with SATA DOM + Onboard eMMC)

Test Site: AAEON QE Dept.

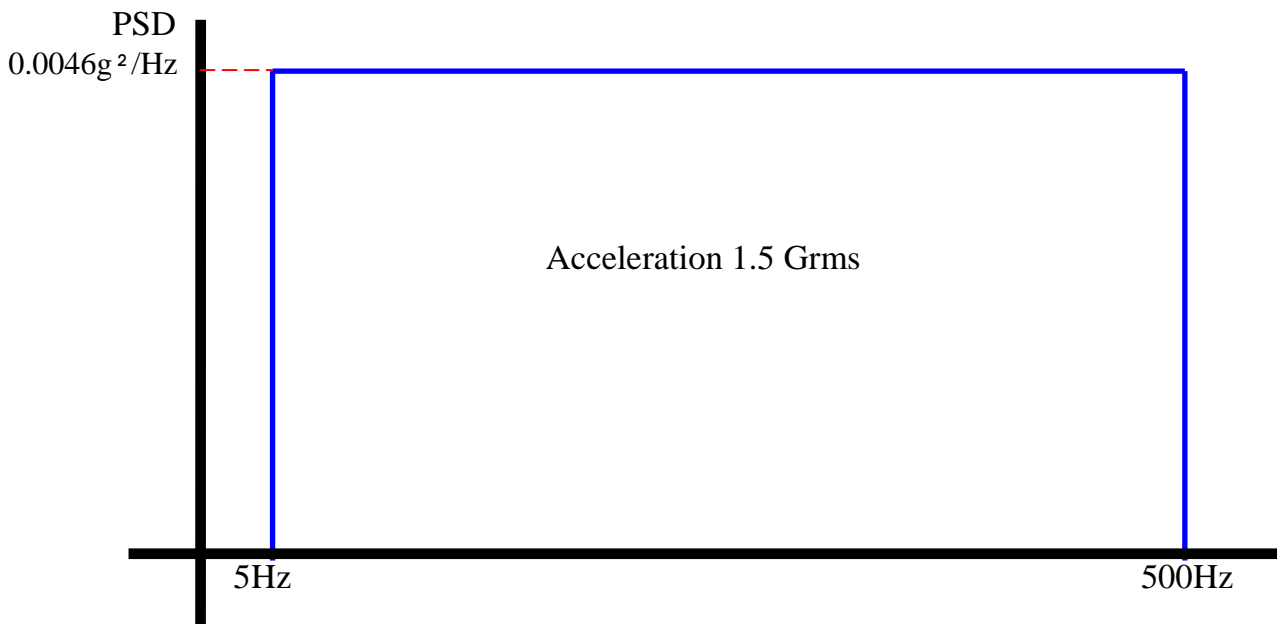
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broadband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/11/2017
Due date of Calibration: 10/10/18

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.