

FWS-2253

With CFD

Vibration Test Report

Report NO: 16I030009



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

2016-04-18

QE Manager

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

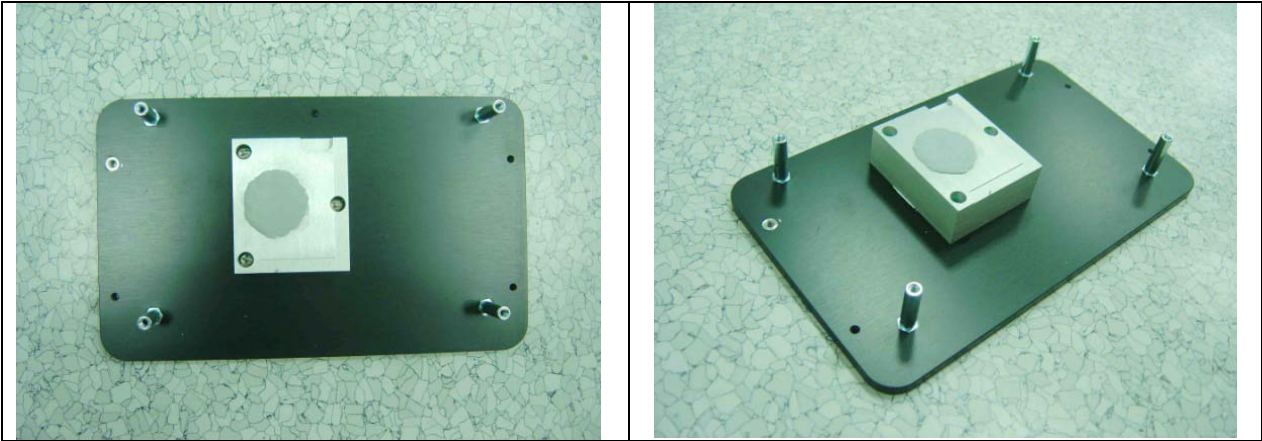
Testing Result

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

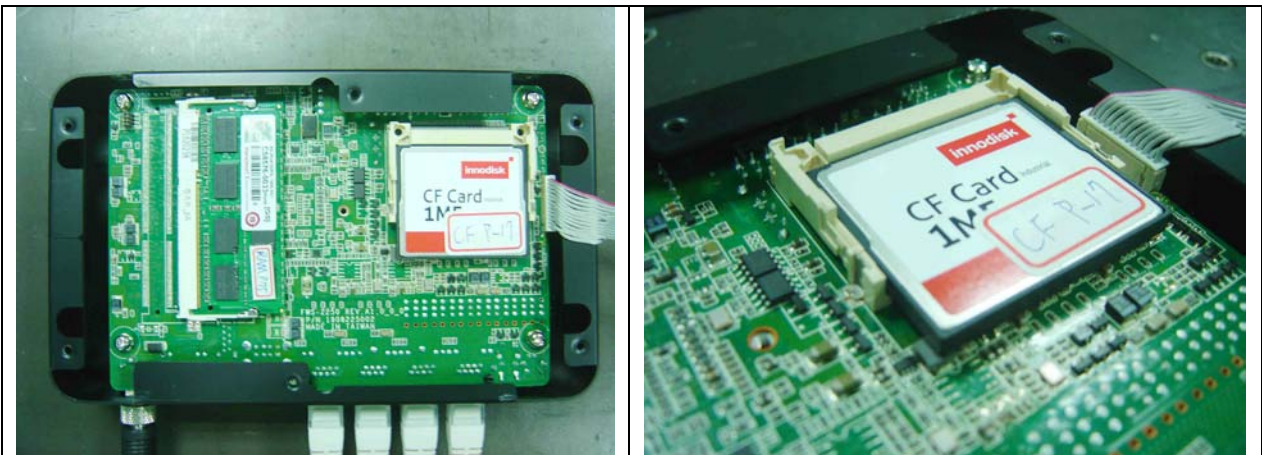
Configuration of EUT

Num	Item	Spec
1.	Main Board:	FWB-2250 Ver. A1.1
	1.BIOS	FWS-2253 R1.2(K225AM12)(09/09/2014)
	2.CPU	Intel® Bay Trail N2807 SOC / 1,58GHz
	3.Wide Temp. Memory	Transcend 8GB * 1 / DDR3L-1333 / SEC K4B4G0846D
2.	Wide Temp. CFD	Innodisk / 16GB / DECFC-16GD53BW1SC-26
3.	Test Software	Windows 8 / Run one Microsoft media player with BurnIn test 8.1 Pro simultaneously.
4.	Adapter	FSP / FSP040-RHAN2 / Output 12V, 3.33A, 40W

Heat Sink



CFD Kit



Random Vibration Operation Test

Test Date: 04-14-2016

Test Product: FWS-2253

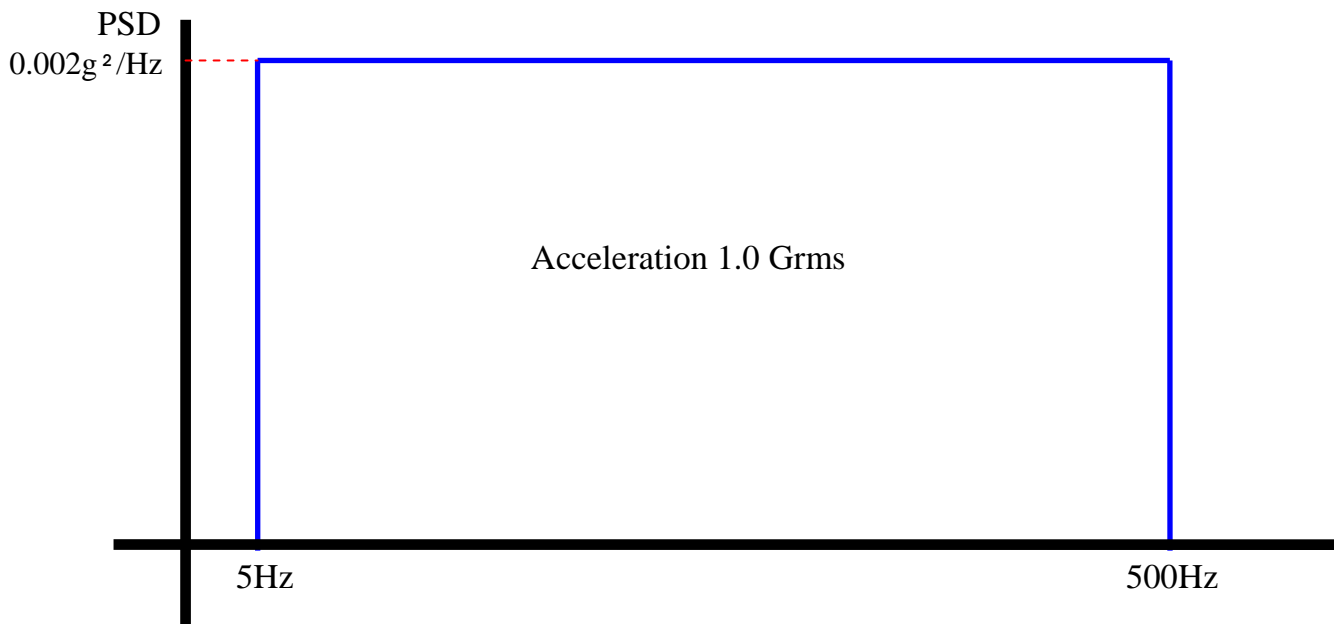
Test Site: AAEON QE Dept.

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: 10/19/2015

Test Condition:

1. Operation
2. Test Acceleration: 1.0 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 one Microsoft media player with BurnIn test 8.1 Pro simultaneously.
7. Test Vibration Curve:



Test Result:

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

Random Vibration Non-operation Test

Test Date: 04-15-2016

Test Product: FWS-2253

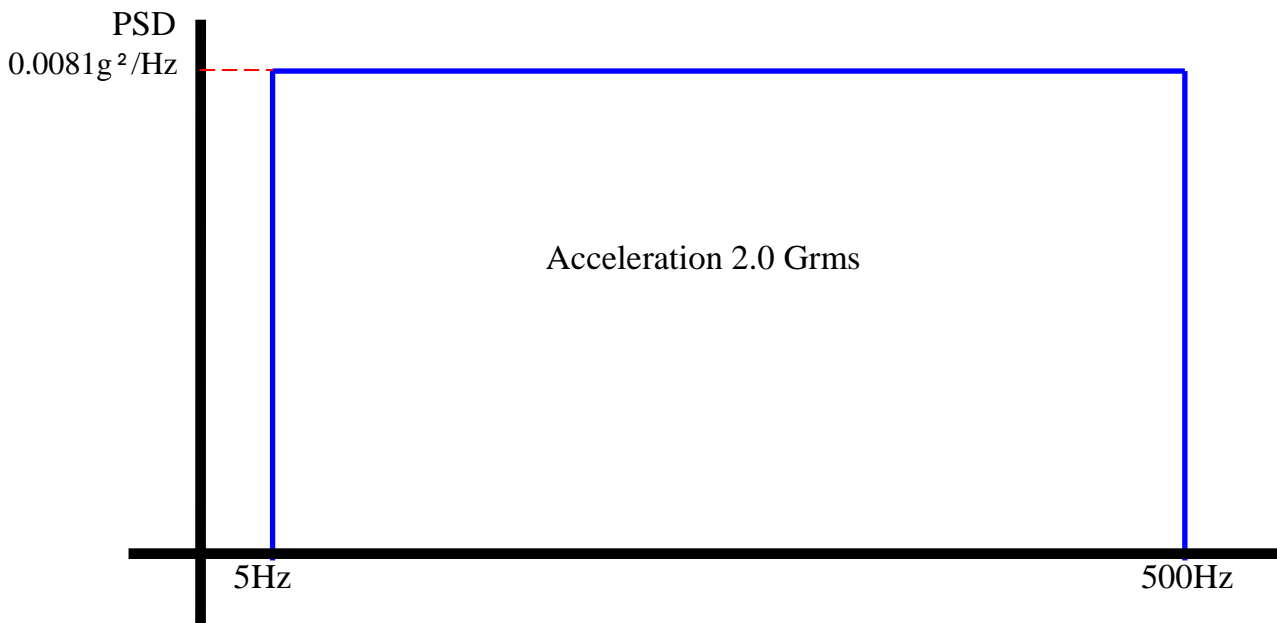
Test Site: AAEON QE Dept.

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: 10/19/2015

Test Condition:

1. Non-operation
2. Test Acceleration: 2.0 Grms Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axes
5. Test Time: 60min each axis
7. Test Vibration Curve:



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