

FWS-7821

Vibration Test Report

Report NO: 16I030016

Issue date	QE Manager	Test Engineer
2016-11-30	KJ Wang	Ben Sun

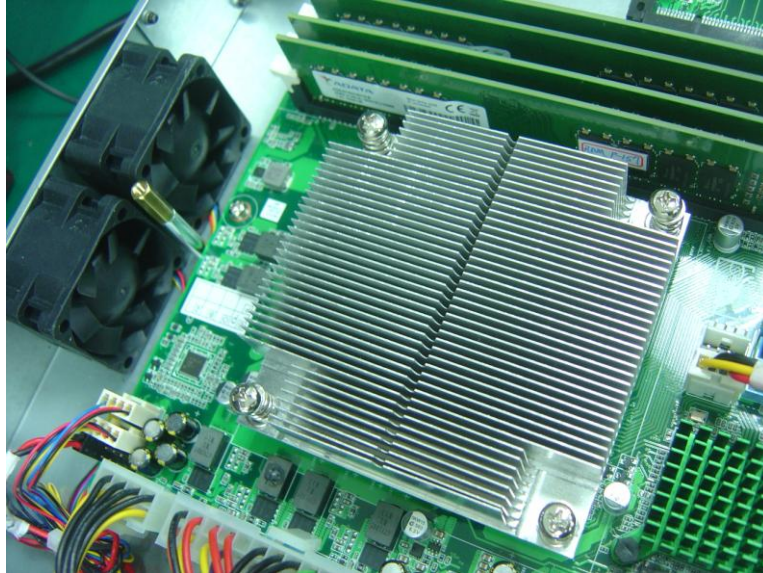
Test item list

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

Test Configuration:

Num	Item	Spec
System:		FWS-7821
1.	Main Board:	FWB-7821 A0.1
	1. BIOS:	FWS-7821 R0.0(K782BM00)
	2. CPU	Intel i5-7500
	4. Memory	Transcend DDR4 2133 8GB SEC K4A4G085WD x4
	5. 2.5" SATA HDD	WD WD2500BPVT 250G 2.5"
	6. Test Software:	Ubuntu 14.10 / iperf test
	Power Supply	ETASIS EFAP-S250 250W

CPU Cooler



Random Vibration Operation Test

Test Date: 11-28~29-2016

Test Product: FWS-7821

Test Site: AAEON QA Dept.

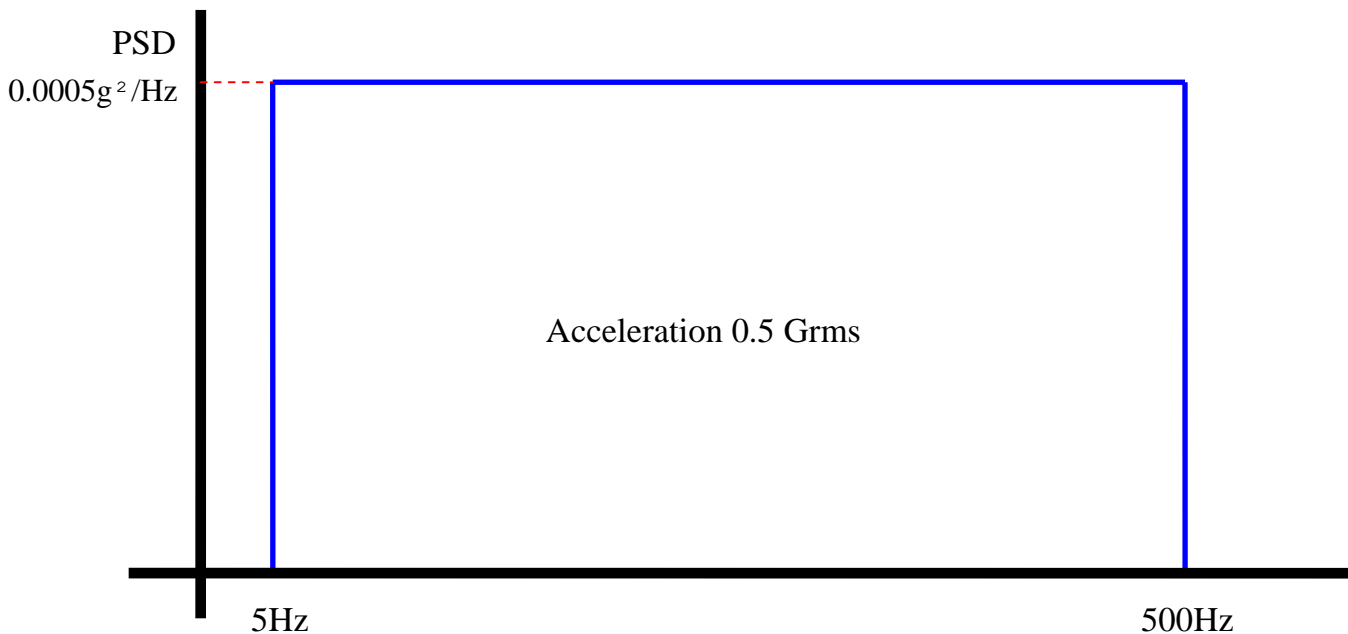
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broad-band random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/18/2016

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: Ubuntu 14.10 / iperf test.
7. Test Vibration Curve:



Test Result:

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

Random Vibration Non-operation Test

Test Date: 11-29~30-2016

Test Product: FWS-7821

Test Site: AAEON QA Dept.

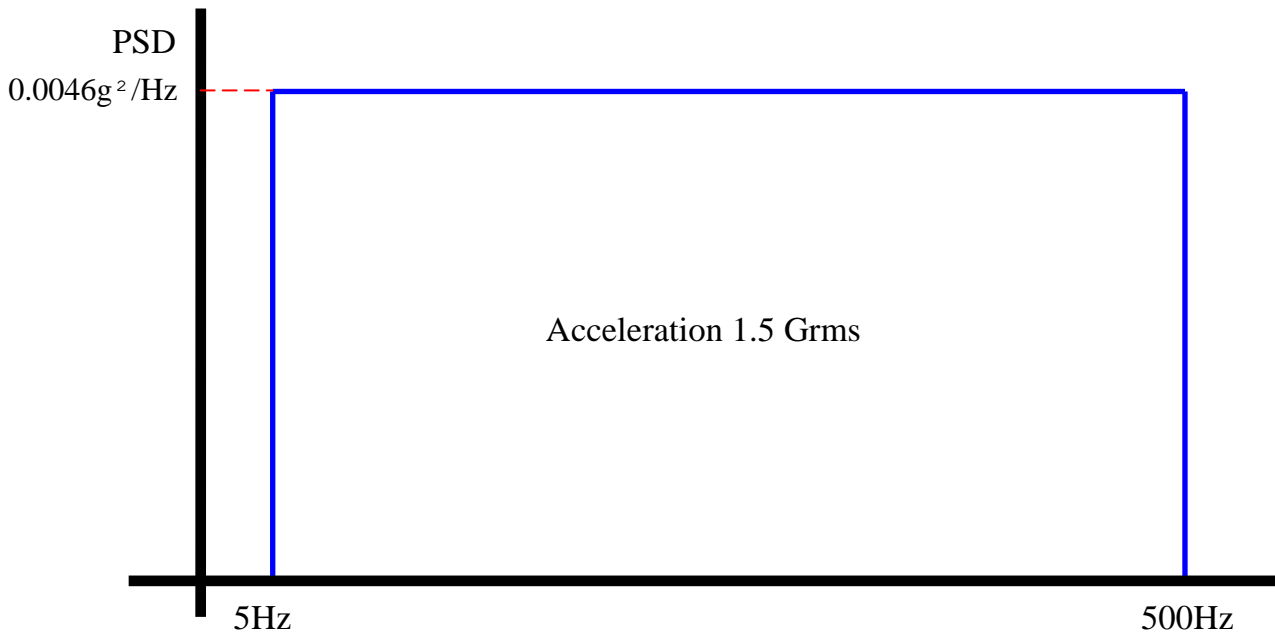
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration boardband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/18/2016

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
7. Test Vibration Curve:



Test Result:

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