

FWS-8500

With 2.5" SATA HDD

Vibration Test Report

Report NO: 15I030010

Issued by:

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09/18/2015

Engineer

Date

Reviewed by:

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09/18/2015

Sr. Manager

Date

Test item list

1. <i>Test item list</i> -----	2
2. <i>Configuration of EUT</i> -----	3
3. <i>Random Vibration Operation Test</i> -----	5
4. <i>Random Vibration Non-operation Test</i> -----	6

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	Device Information
1.	Test Product: FWS-8500 Ver. A0.3	
2.	Client (Main test of system)	
	1. Model Name	FWS-8500 Ver. A0.3
	2. Main board	FWB-8500 Rev. A0.3
	3. BIOS Ver.	FWS-8500 R1.4 (K850AM14) (07/17/2015)
	4. CPU Type	Intel Xeon® E5-2609 v3 1.90GHz x 2
	5. Chipset	Intel Coletto Creek DH8925 PCH
	6. VGA Module	PER-V09V Rev. A1.0
	7. LAN Module	NIM-C13A Rev. A0.2 x 7 (LAN Chipset - 82580EB)
	8. LAN Module	NIM-C13A Rev. A0.2 x 1 (LAN Chipset - i350)
	9. RISER	PER-R36X Rev. A0.1
	10. Memory	innodisk / DDR4 2133 W/ REG DIMM 8GB x16 (SEC / K4A4G045WD)
	11. 2.5" SATA HDD	Toshiba / MQ01ABF032 320GB
	12. Test Software	ubuntu 12.04 LTS / Run iPerf test
	13. Power supply	Zippy / M1U2-5650V4H / +12V 54A / +5VSB 3A
3.	Server (Secondary aid test of system)	
	1. Model Name	FWS-8500 Ver. A0.3
	2. Main board	FWB-8500 Rev. A0.3
	3. BIOS Ver.	FWS-8500 R1.4 (K850AM14) (07/17/2015)
	4. CPU Type	Intel Xeon® E5-2608L v3 2.0GHz x 2
	5. Chipset	Intel Coletto Creek 8925 PCH
	6. VGA Module	PER-V09V Rev. A1.0
	7. LAN Module	NIM-C13A Rev. A0.2 x 1 (LAN Chipset - 82580)
	8. LAN Module	NIM-C13A Rev. A0.2 x 7 (LAN Chipset - i350)
	9. RISER	PER-R36X Rev. A0.1
	10. Memory	ADATA / DDR4 2133 R-DIMM 4GB x2 (SK hynix / H5AN4G8NMFR)
	11. 3.5" SATA HDD	WD / WD5000AAKX 500GB
	12. Test Software	ubuntu 12.04 LTS / Run iPerf test
	13. Power Supply	ETASIS / EFRP-G2657H / +12V 53A / +5VSB 3A

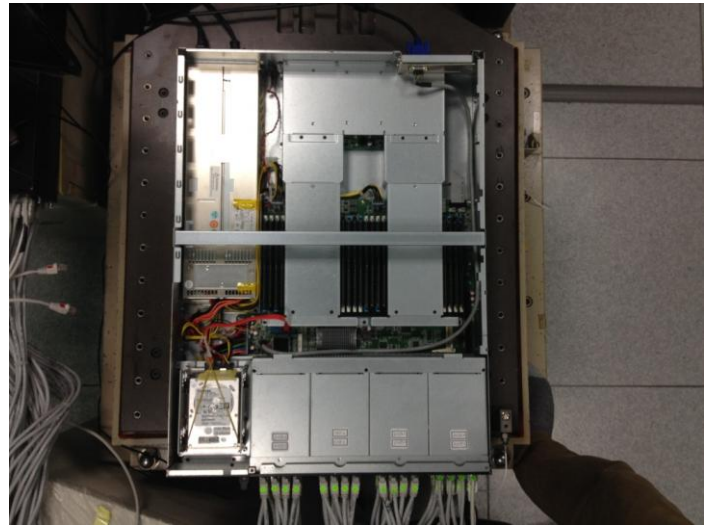
After Test Photos

After test

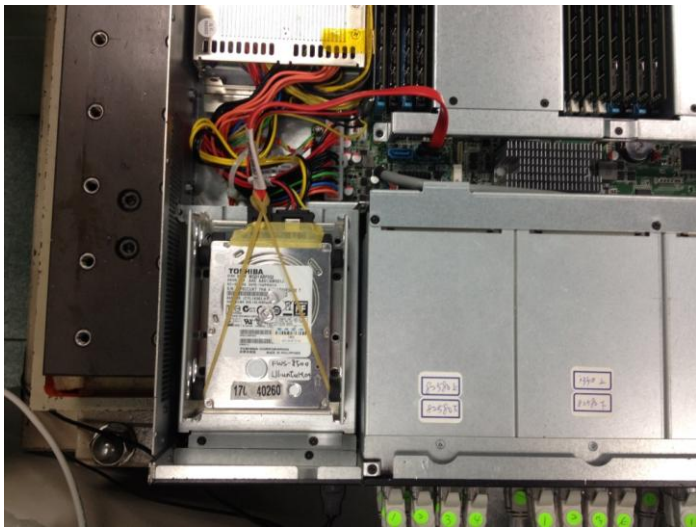


HDD

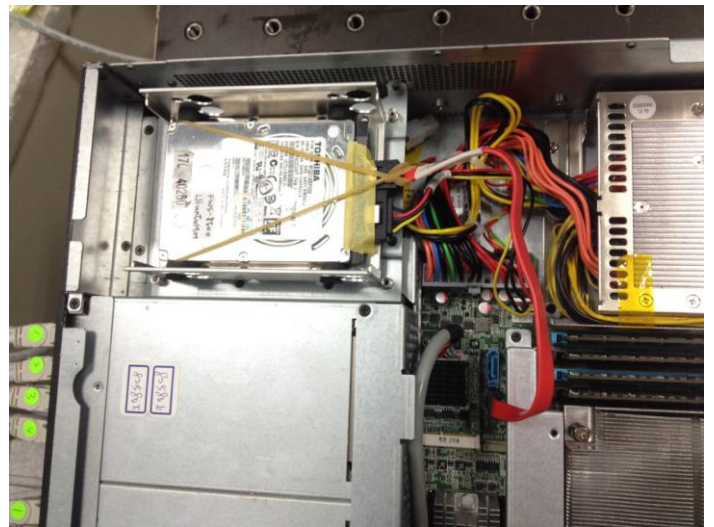
After test



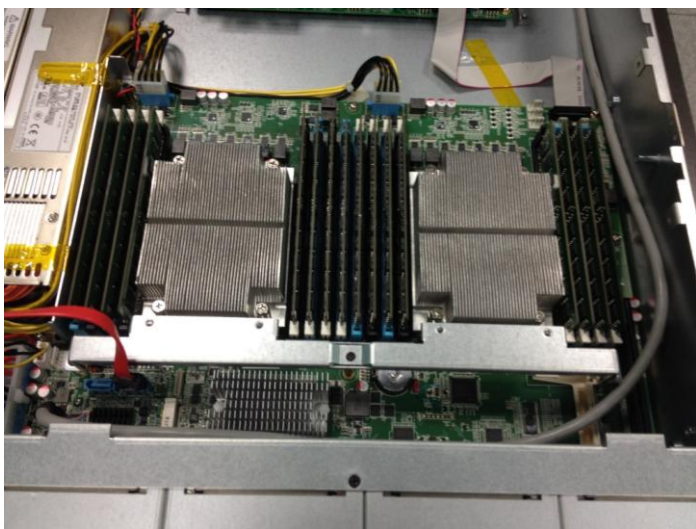
HDD



CPU Heat Sink



LAN Module



Random Vibration Operation Test

Test Date: 09-17-2015

Test Product: FWS-8500 with NIM-C13A (LAN chipset 82580EB & LAN chipset i350)

Test Site: AAEON QE Dept.

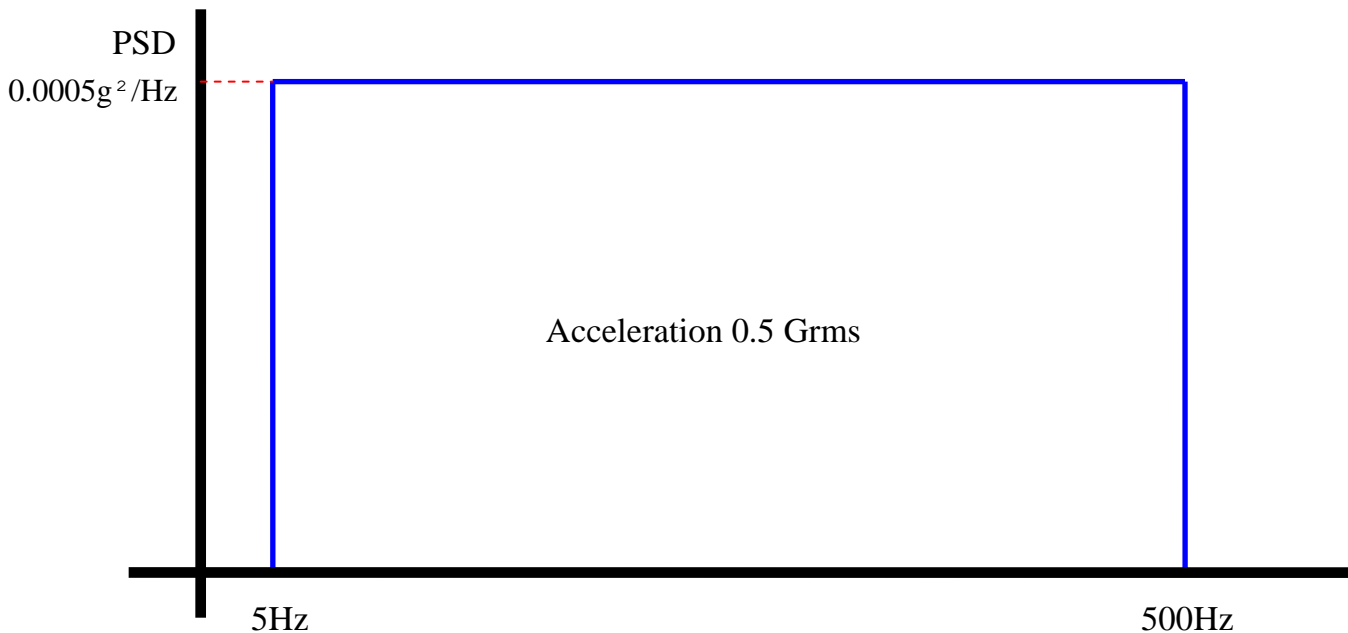
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broad-band random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/20/2014

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 12.04 LTS / Run 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: 09-18-2015

Test Product: FWS-8500 with NIM-C13A (LAN chipset 82580EB & LAN chipset i350)

Test Site: AAEON QE Dept.

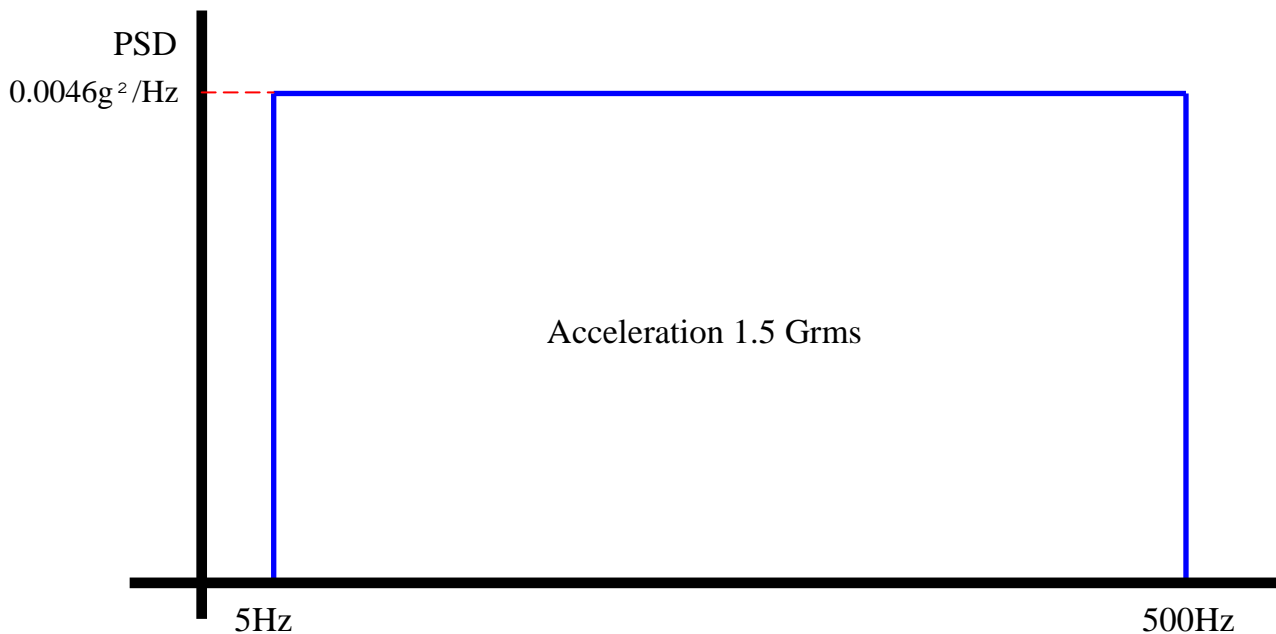
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh: Vibration broadband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/20/2014

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.