



ARC-645M (Intel SF7505VB2 Server Board)

Vibration Test Report

Report NO: 04I030016

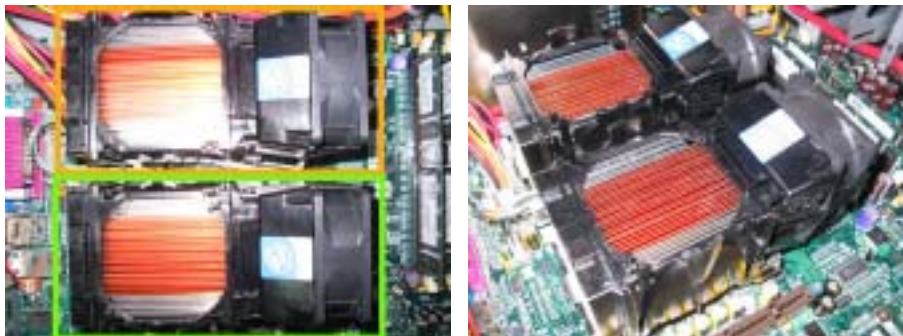
Issued by:	Rex Chang _____ Engineer	/	10/11/2004 _____
Reviewed by:	Wenyuan Yang _____ Manager	/	10/11/2004 _____

1. <i>Test item list</i> -----	2
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Test Configuration:

Num	Item	Spec
1.	Control Box:	ARC- 645M / 4U Rack Mounting Chassis
	1. Main Board	Intel SF7505VB2 Server Board
	2. CPU	Intel (R) Xeon / 2.8 GHz * 2
	3. Memory	512MB SAMSUNG K4H560438E-TCB0 (DDR 266) * 2
	4. Power Supply	Mini Redundant 460W * 2
	5. HDD	Seagate ST3800BAS 80 GB * 2
	6. CD-ROM	BENQ 652A-6N4 52X
	7. FDD	TEAC FD-235HF

CPU Cooler



AS-25 Rugged Anti-Vibration Drive Chassis



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Test Date: 10-08~11-2004

Test Product: ARC-645M (Intel SF7505VB2 Server Board)

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

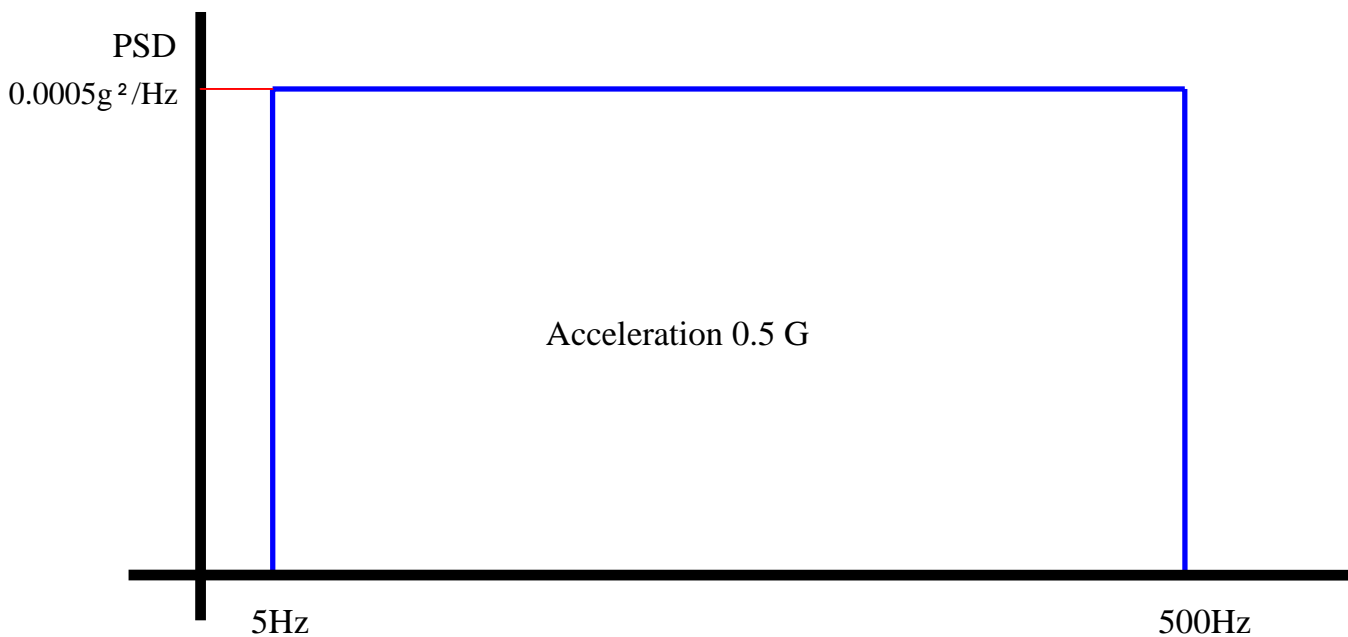
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh : Vibration boardband random test

Test Equipment:

Vibration Simulator System
KING DESIGN Co. LTD.
Model: KD 9363-EM-600F2K-40N20
Serial Number: UU110099090
Date of Calibration: 10/27/2003

Test Condition:

1. Operation
2. Test Acceleration: 0.5 G Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axis
5. Test Time: 60min each axis
6. Test Software: Windows 2000 / Run one Microsoft media player simultaneously.
7. Test Vibration Curve:



Test Result:

The system will freeze under Windows2000 when VCD is playing approximately 30 seconds at axis Z.

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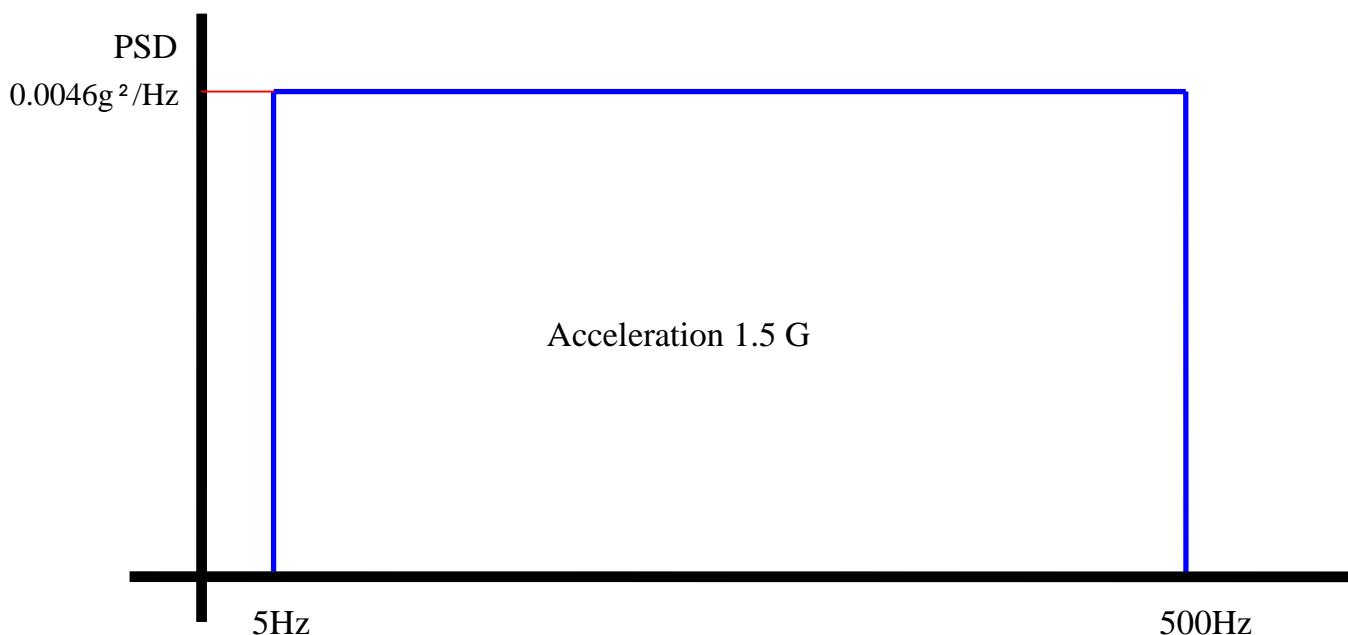
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Date of Calibration: 10/27/2003

Test Condition:

1. Non - Operation
2. Test Acceleration: 1.5 Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axis
5. Test Time: 60min each axis
6. Test Software: Windows 2000 / Run one Microsoft media player simultaneously.
7. Test Vibration Curve:



Test Result:

The system structure doesn't have any deformation; All functions are OK after Random vibration non-operation test.