

ARC-645 (SBC-860 A1.1)
Vibration Test Report

Report NO: 04I030004

Issued by:	Rex Chang _____ Engineer	/	09/16/2004 _____
Reviewed by:	Wenyuan Yang _____ Manager	/	09/16/2004 _____

ARC-645 (SBC-860 Rev: A1.1)

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

Test Configuration:

Num	Item	Spec
1.	Control Box:	ARC- 645 / 4U Rack Mounting Chassis
	1. Main Board	AAEON SBC-860 Rev. A1.1 (BIOS: 1.2)
	2. CPU	Intel Celeron / 2.4 GHz (100x24.0)
	3. Memory	512MB Transcend K4H560838E-TCCE (DDR 333)
	4. Power Supply	Seventeam ST-300BLP 300W (ATX)
	5. HDD	Seagate ST33221A 3.2GB (ATA-33)
	6. CD-ROM	BENQ 652A-6N4 52X
	7. FDD	TEAC FD-235HF
	8. Backplane	BP-214SG-P4 REV:..A1.1

CPU Cooler



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Test Date: 09-14~15-2004

Test Product: ARC-645 (SBC-860 Rev: A1.1)

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

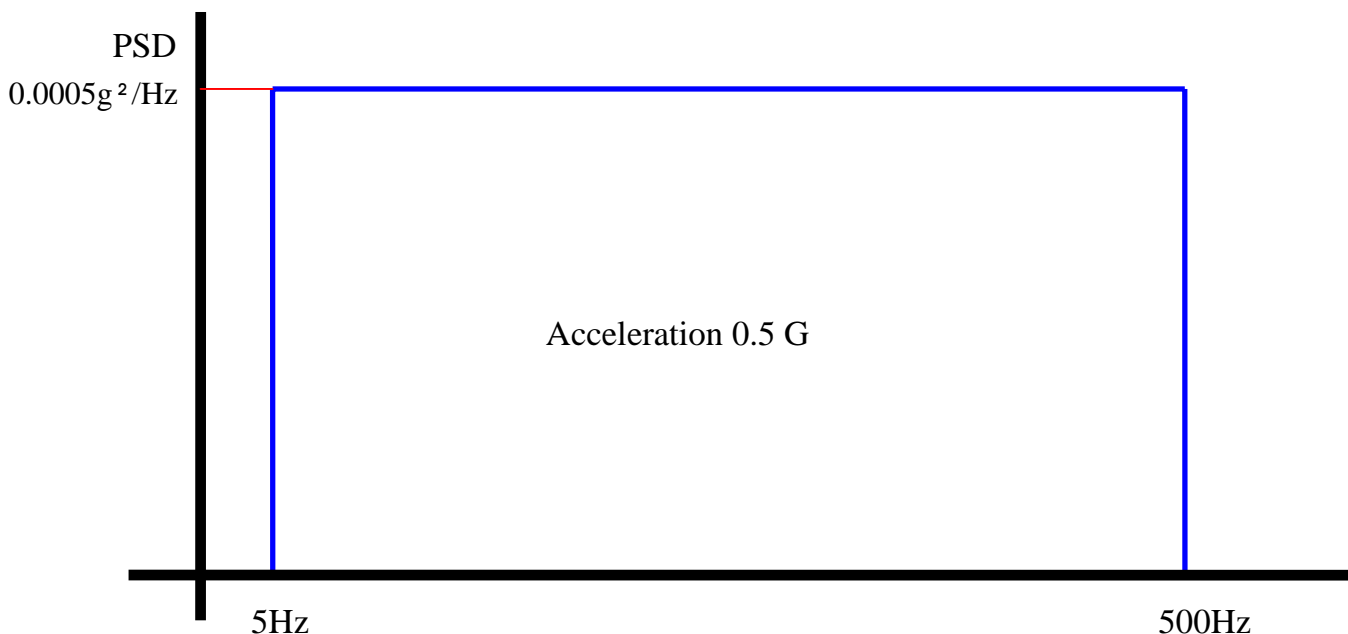
Test Standard: Reference IEC68-2-64 Testing procedures
Test Fh : Vibration boardband random test

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 axes
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 deformation; Function is OK during system test.

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Test Date: 09-15-2004

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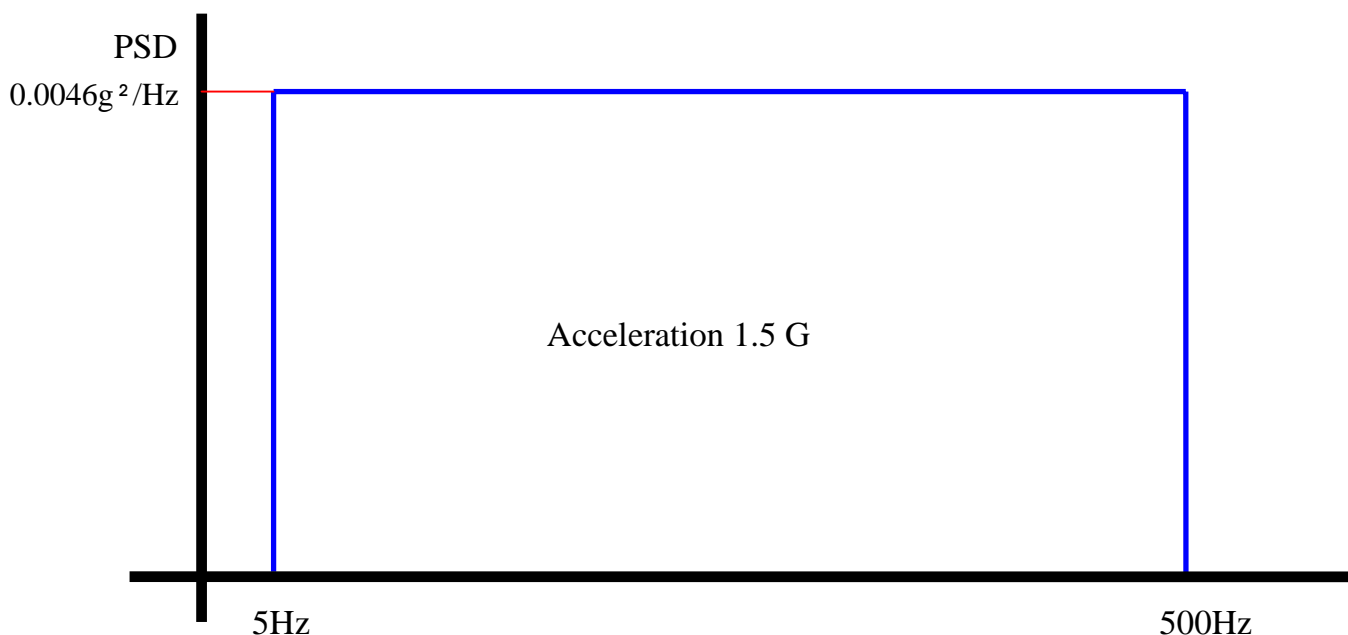
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Test Condition:

1. Non - Operation
2. Test Acceleration: 1.5G Random
3. Test Frequency: 5-500Hz
4. Test Axis: X, Y, Z axes
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.