

AAEON

ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-656
QE Vibration Test Report

Release Date : 08/09/1999

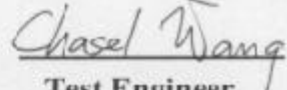
Issue Stamp



QA Manager



QE Manager



Test Engineer

Random Vibration Test

SBC-656

Test Date : August 4 , 1999

Test Site : Advantech QA Environment Lab

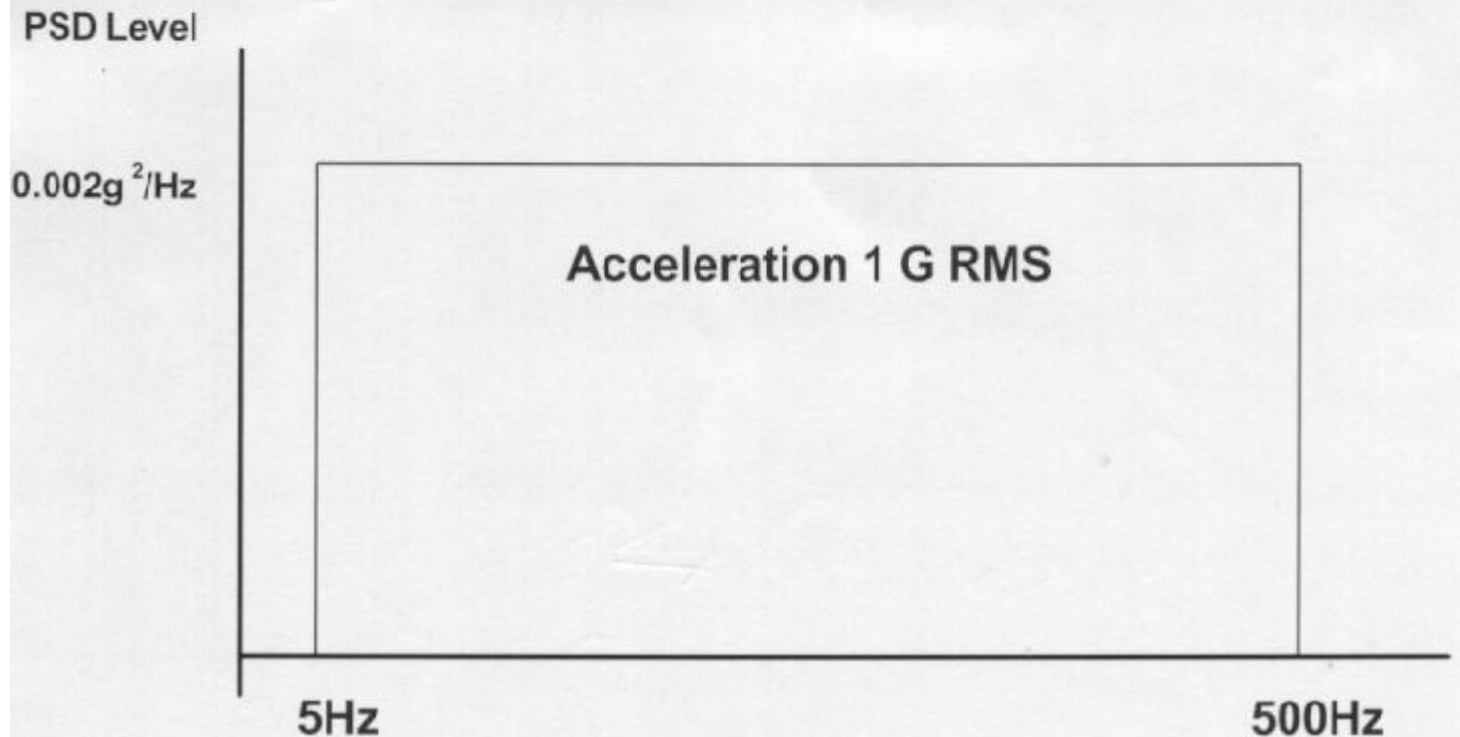
Performed By : Chasel Wang

Test Standard : Reference IEC68-2-36 Testing procedures

Test Fdb : Random vibration wide band reproducibility medium

Test Condition :

1. Test PSD level: $0.002G^2/Hz$
2. Test Acceleration: 1G rms
3. Test Frequency: 5-500Hz
4. Test Axis: X,Y,Z axis
5. Test Time: 1hr pre axis
6. Test Vibration Curve:



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SBC-656

Test Equipment : Vibration Simulator System
KING DESIGN Co. LTD.
Model: 9363EM-20030-25N80
S / N: MC104053285
Date of Calibration: 04-14-1999

Sample Configuration & Quantity Under Test:

Using one SBC-656 Rev.A1 Half-Size CPU Card
With the following options installed :

- 1.Chassis : AMPC-106
- 2.CPU : Intel Celeron 433 MHz
- 3.Chipset : Intel 440 BX
- 4.RAM memory : NEC D4564841G5-A80-9JF 128MB
- 5.VGA interface : C&T 69000
- 6.I/O Chipset : Winbond W83977 with Fully 16-bit I/O decoded
- 7.Ethernet interface : Realtek RTL8139A
- 8.Test software : QAPlus/fe 5.29

Performance Criteria:

Electronic function check:

- 1.Power on/off check.
- 2.CMOS data setting check.
- 3.The QAPlus/fe test program select normal item to test. The system must pass these items.

Mechanical function check:

- 1.The connecter,jumps,slot can work properly without any interference.
- 2.All screws are tighten up appropriately.

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SBC-656

Test Result :

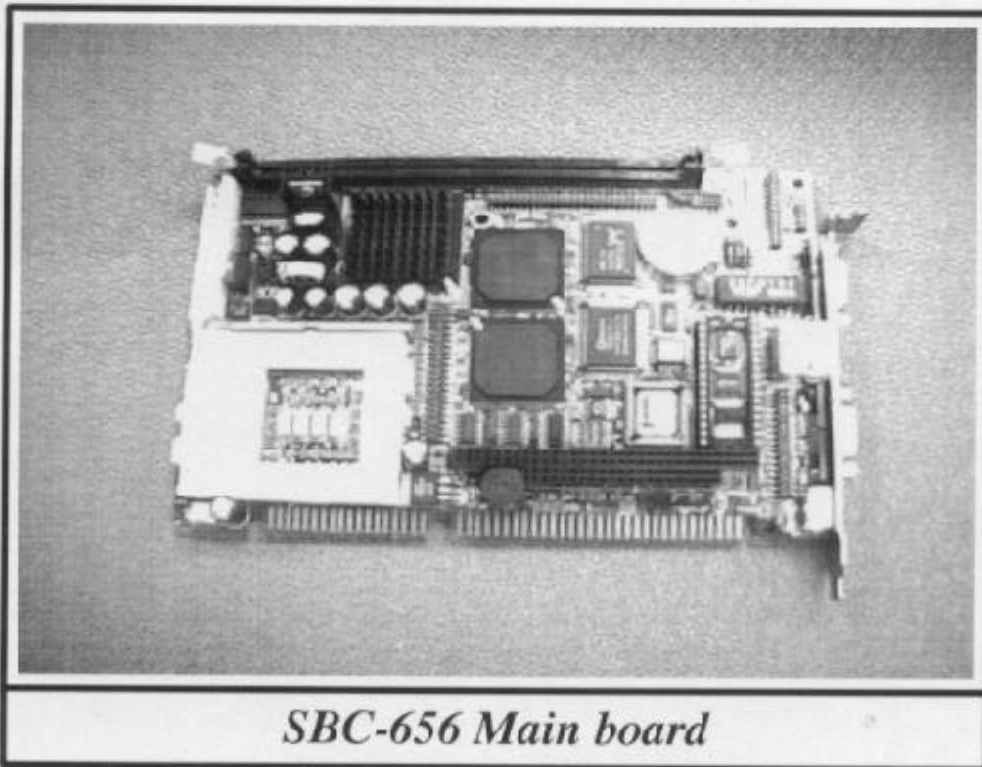
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The SBC-656 product meets the QA test specification.

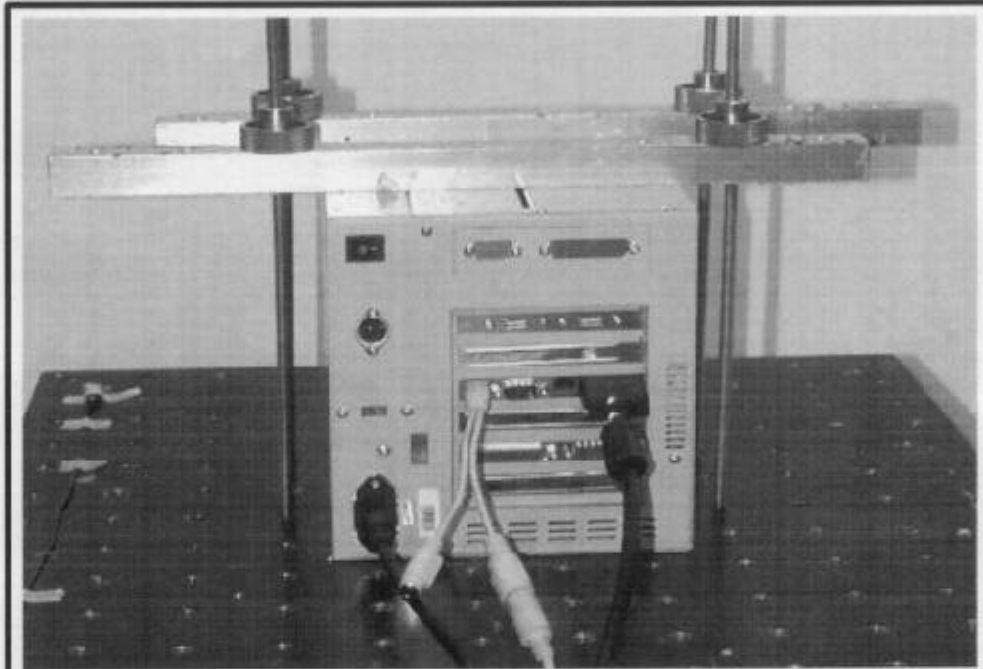
Photograph :



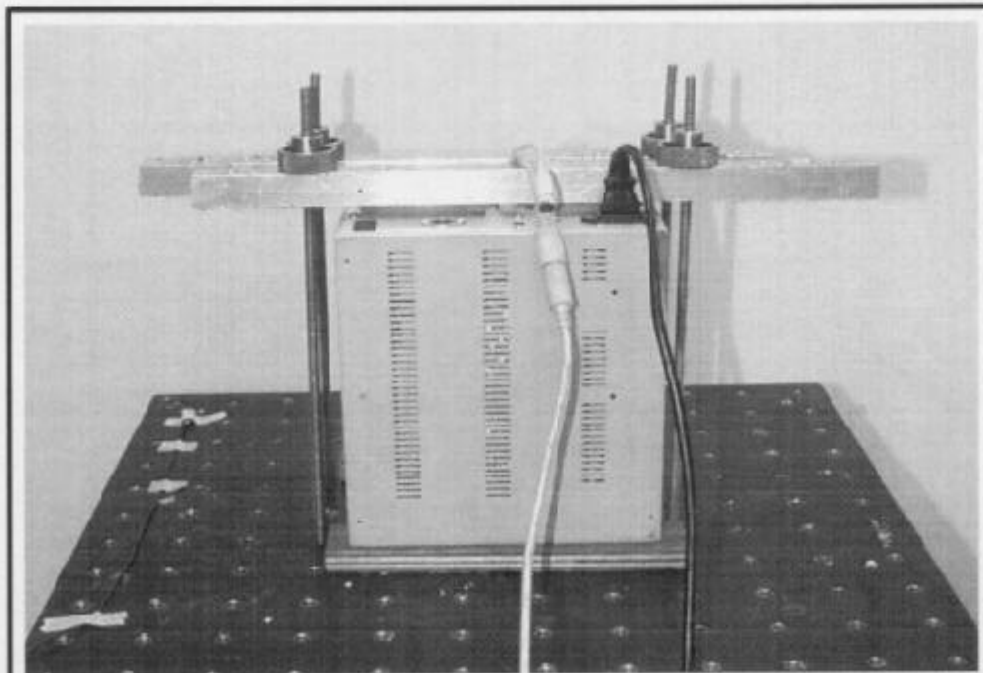
Random Vibration Test

SBC-656

Photograph:



X-Axis 1G random vibration test

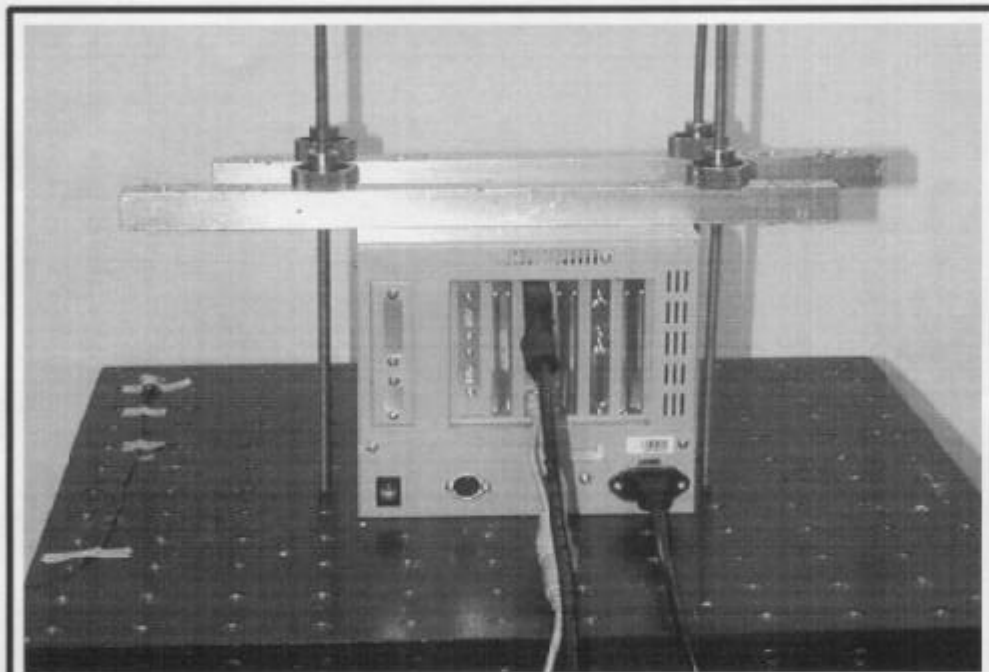


Y-Axis 1G random vibration test

Random Vibration Test

SBC-656

Photograph:



Z-Axis 1G random vibration test