AAEON

ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-557
QE Vibration Test Report

Release Date : 08/06/1999

Issue Stamp	QA Manager	QE Manager	Test Engineer

Random Vibration Test

SBC-557

Test Date : August 3 , 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: $0.002G^2/Hz$

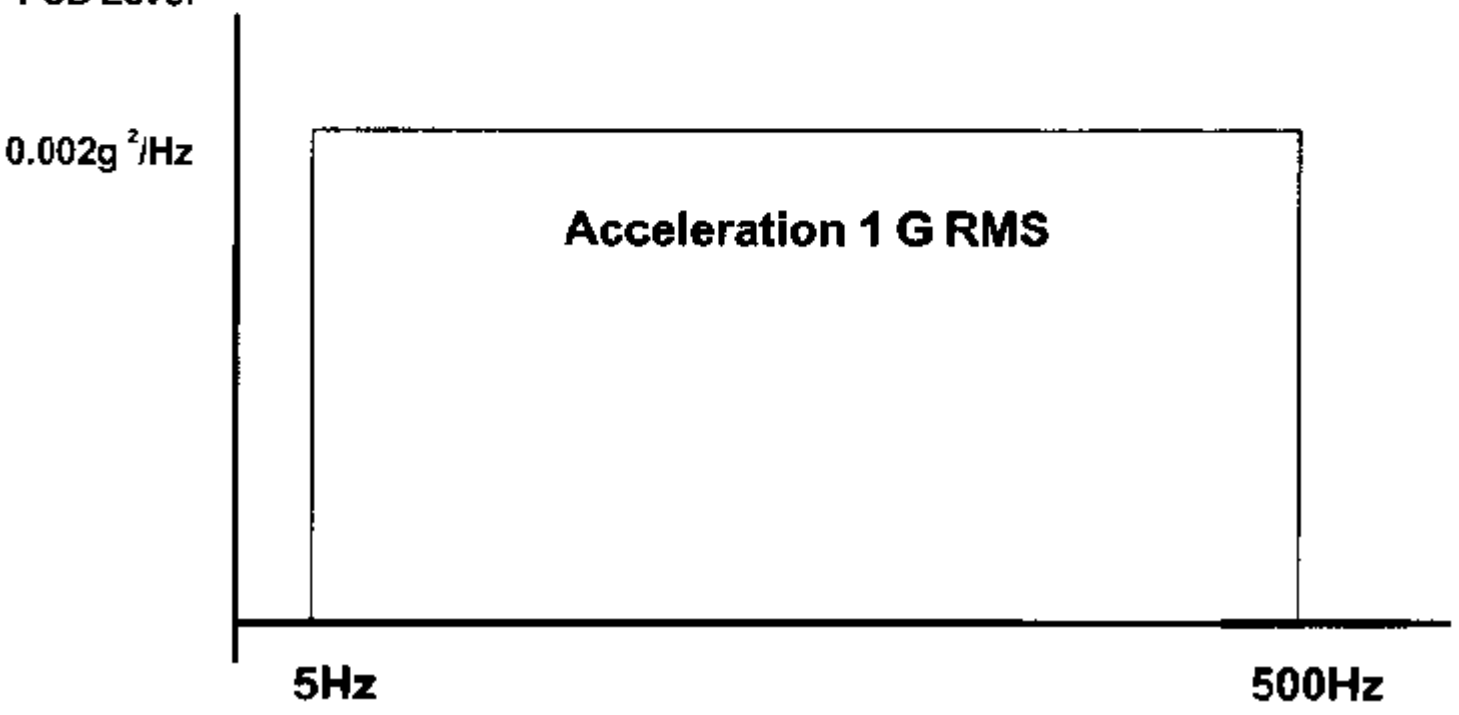
2.Test Acceleration: 1G rms

3.Test Frequency: 5-500Hz

4.Test Axis: X,Y,Z axis

5.Test Time: 1hr pre axis

6.Test Vibration Curve:



Random Vibration Test

SBC-557

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-557 Rev.A0 Half-Size CPU Card
With the following options installed :
1.Chassis : AMPC-106
2.CPU : AMD-K6- 300 MHz
3.Chipset : ALi 1541/1543
4.RAM memory : NEC D4564841G5-A80-9JF 128MB
5.VGA interface : C&T 69000
6.I/O Chipset : ALi 1543
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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Test Result :

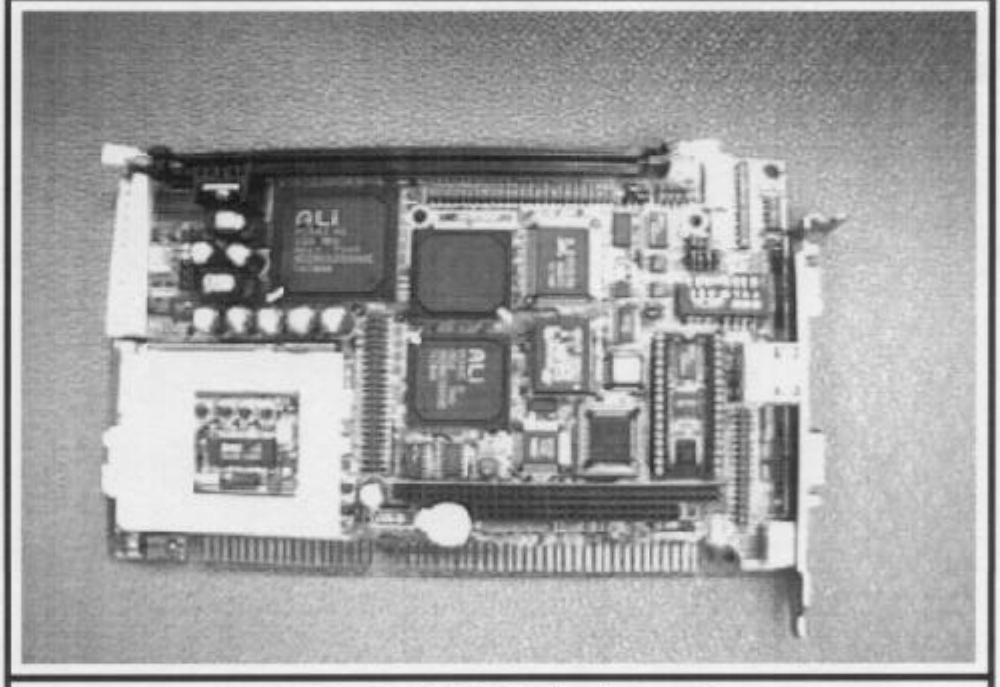
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The SBC-557 product meets the QA test specification.

Photograph :

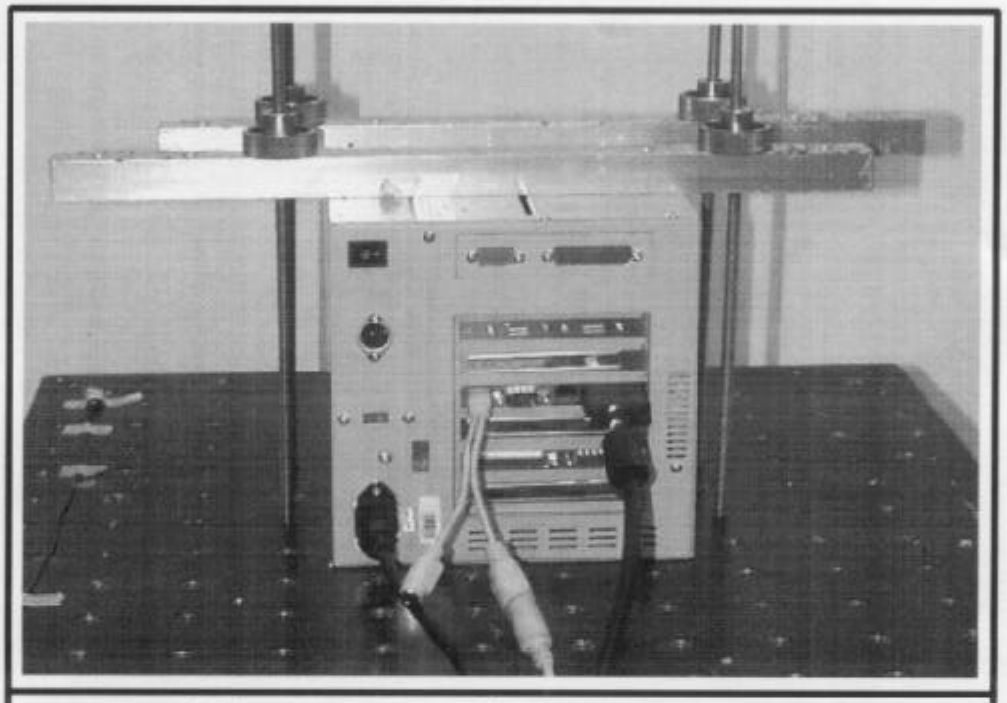


SBC-557 Main board

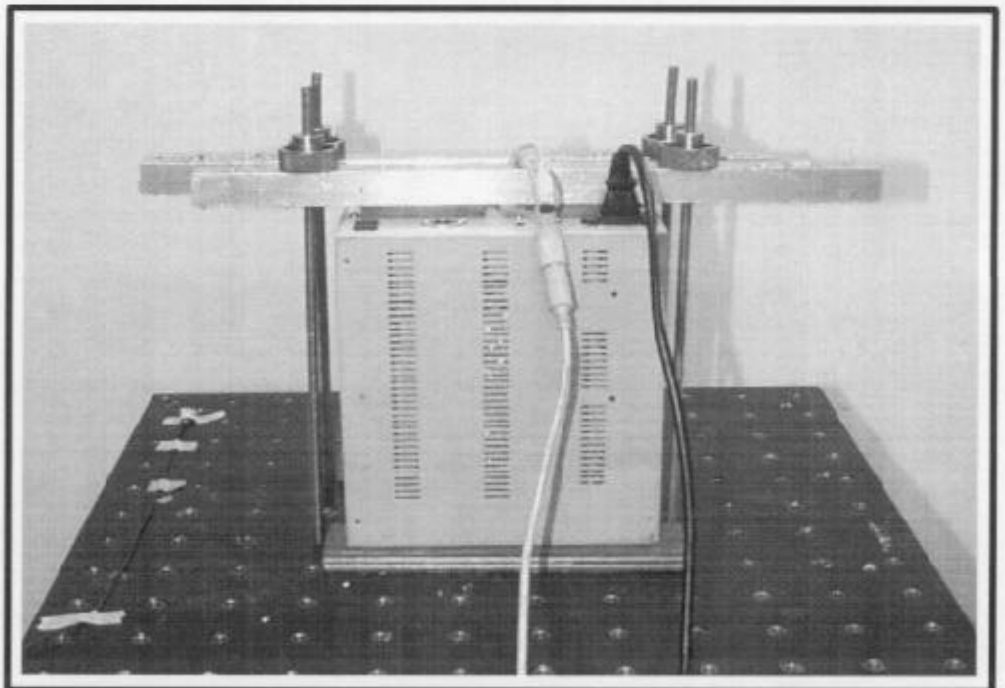
Random Vibration Test

SBC-557

Photograph:

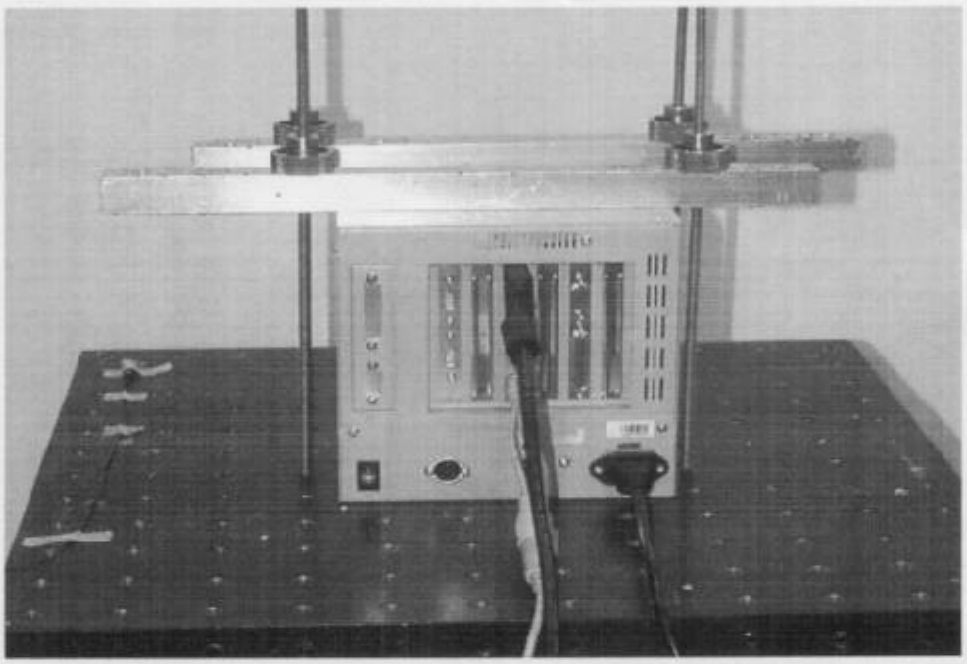


X-Axis 1G random vibration test



Y-Axis 1G random vibration test

Photograph:



Z-Axis 1G random vibration test