



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-597

Vibration Test Report

Release Date : Dec. 20, 1999

Issue Stamp

QA Manager

QE Manager

Test Engineer

Random Vibration Test

Model Name : SBC-597

Test Date : December 20 , 1999

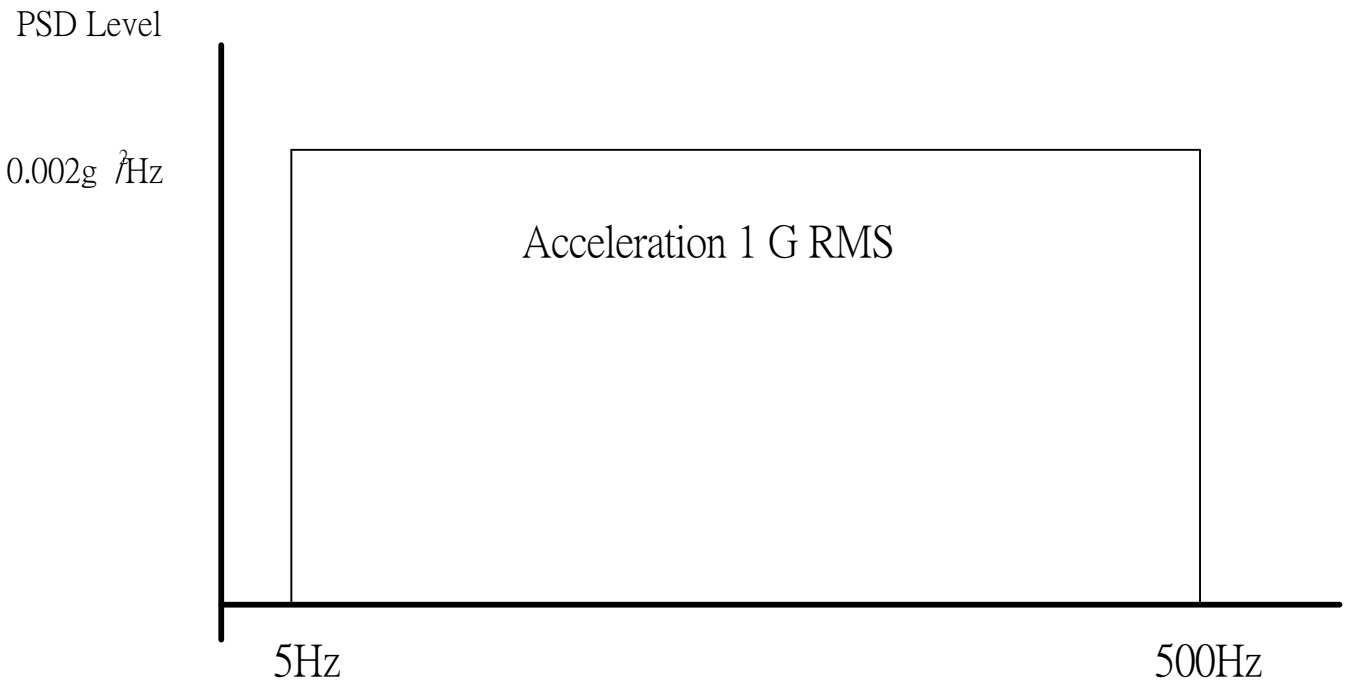
Test Site : Advantech QA Environment Lab

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 : 0.002 G²/Hz
- 2. Test Acceleration : 1G rms
- 3. Test Frequency: 5-500 Hz
- 4. Test Axis : X, Y, Z axis
- 5. Test Time : 1 hr pre axis
- 6. Test Vibration Curve :



Random Vibration Test

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-597 Rev.A1 Full-Size CPU Card With the following options installed :

- 1.Chassis : AIPC-110
- 2.CPU : Intel Pentium MMX 233
- 3.Chipset : ALi 1541/1543
- 4.RAM memory : NEC D4516821AG5-A10-9NF 16MB 168-pin DIMM
- 5.VGA interface : C&T 69000
- 6.I/O Chipset : ALi 1543
- 7.Ethernet interface : Realtek RTL8139A 100 Base-Tx Fast Ethernet controller
- 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.

Random Vibration Test

Test Result :

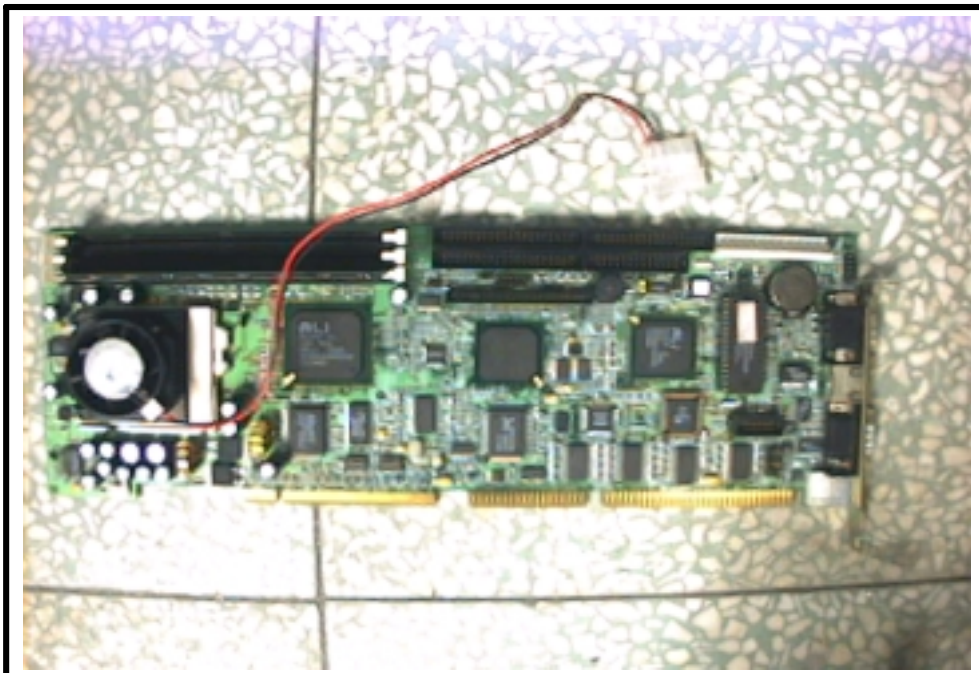
No electronic and mechanical function damage or degradation has been found ,
and without any incurably physical damage degrades the performance.

Conclusion :

Passed .

The **SBC-597** product meets the QA test specification .

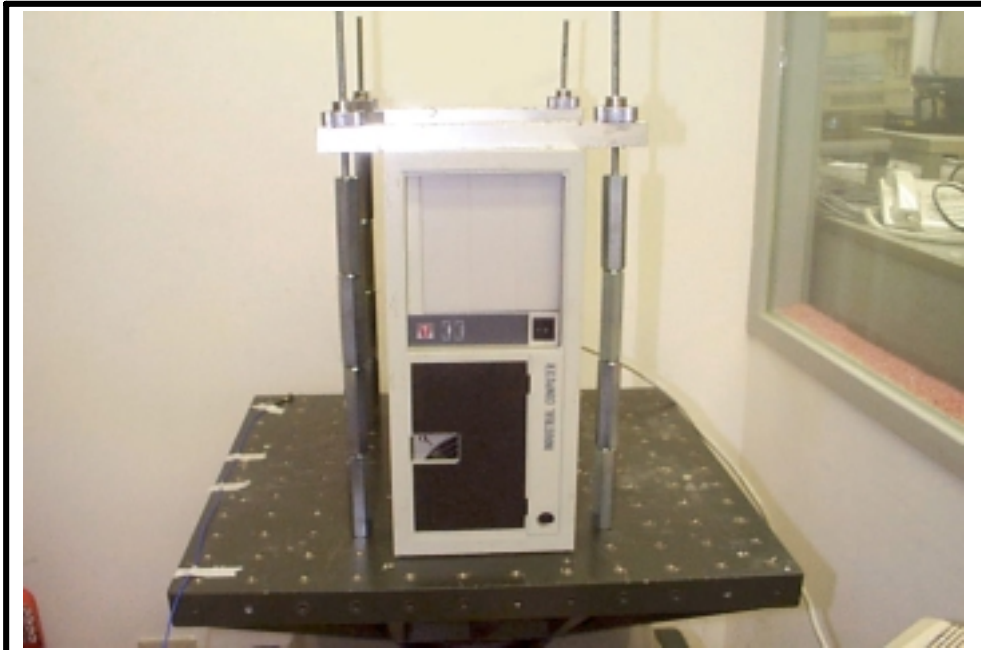
Photograph :



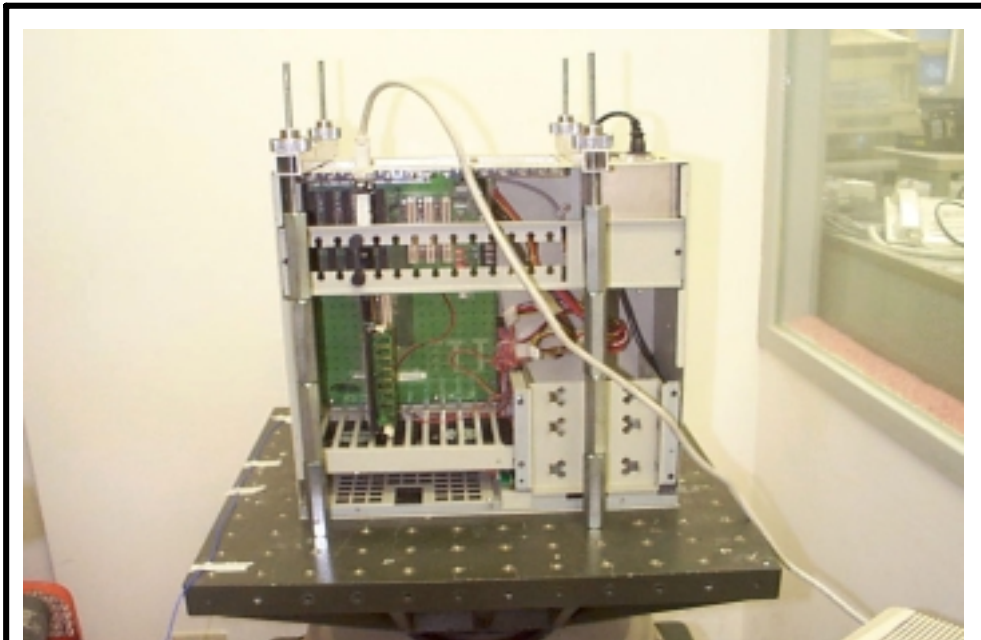
SBC-597 Main board

Random Vibration Test

Photograph :



X-Axis 1G random vibration test



Y-Axis 1G random vibration test

Random Vibration Test

Photograph :

