AAEON

ISO-9001/ISO-1400 Certified
Industrial Automation PCs

SBC-492
QE Vibration Test Report

Release Date : 06/17/1998

Issue Stamp	QA Manager	QE Manager	Test Engineer
		Chen an Lee	Chasel Wang

SBC-492 **Random Vibration Test** **Report No.** 98V013

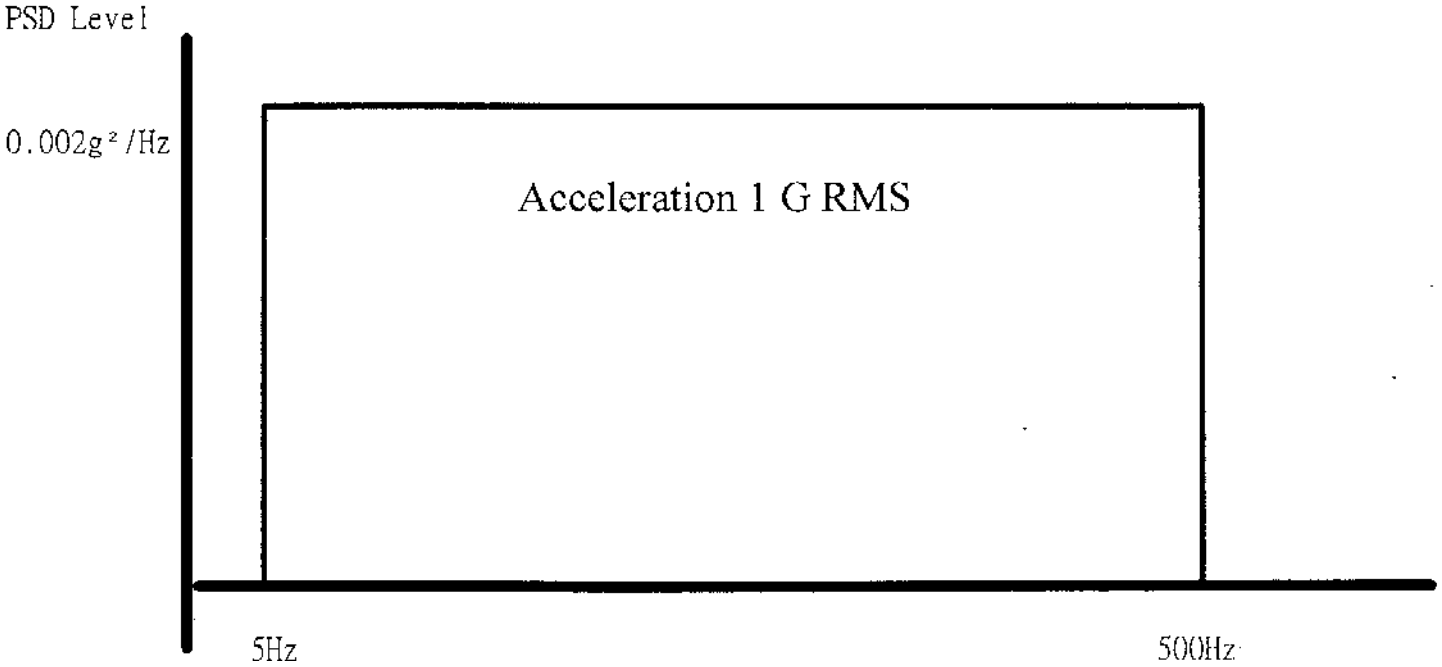
QA Lab Reliability test

Test Date : May 27, 1998
Test Site : Advantech QA Environment Lab
Performed By : CT Wu
Charles Chang

Test Standard : Reference IEC68-2-36 Testing procedures
Test Fdb : Random vibration wide band reproducibility medium

Test Condition :

1. Test PSD level : 0.002G²/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 :



Test Equipment : Vibration Simulator System
KING DESIGN Co. LTD.
Model : 9363EM-20030-25N80
S / N : MC104053285
Date of Calibration : 04-14-1998

Sample Configuration & Quantity Under Test :

using one SBC-492 Rev A0 Main board following options installed:
1. Chassis: AIPC-110
2. CPU: AMD DX4-100 97220
3. Core logic: ALi M1487 9629
   ALi M1489 9649
4. SRAM: UMC 61256AS-12 9810
5. DRAM: SEC KM44C4000AK-6 16M×2 EDORAM
6. VGA: Trident TGUI9440-1
7. VRAM: V53C16258HK40
8. I/O: SMC FDC37C665GT 9746
9. Power: Seasonic SSG-250G
10. 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.

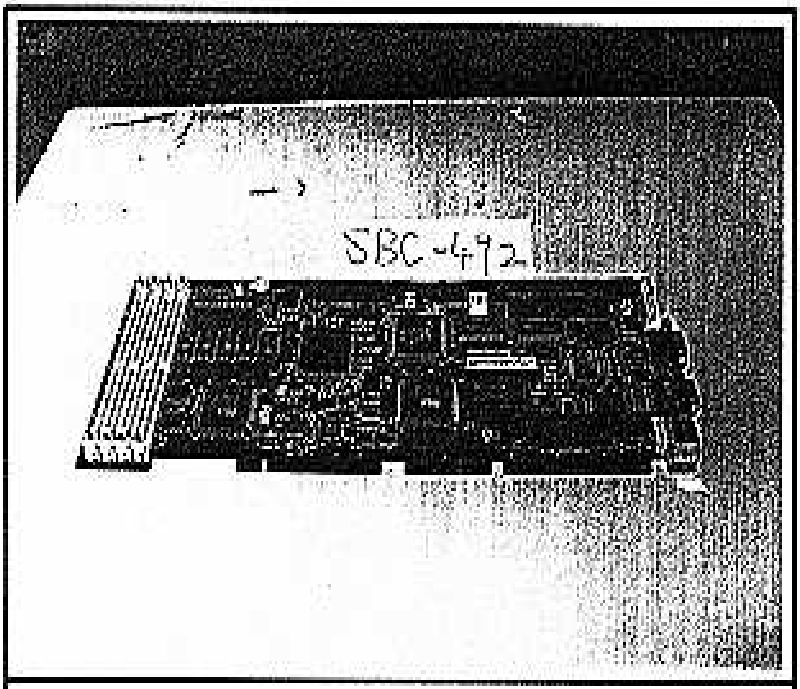
Test Result :

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-492 product meets the QA test specification.

Photograph :



SBC-492 Main board

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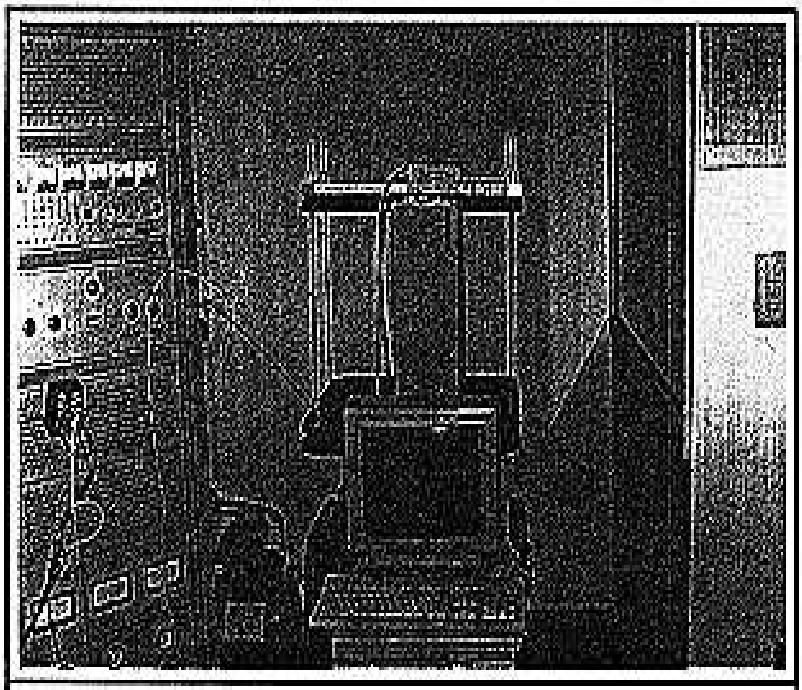
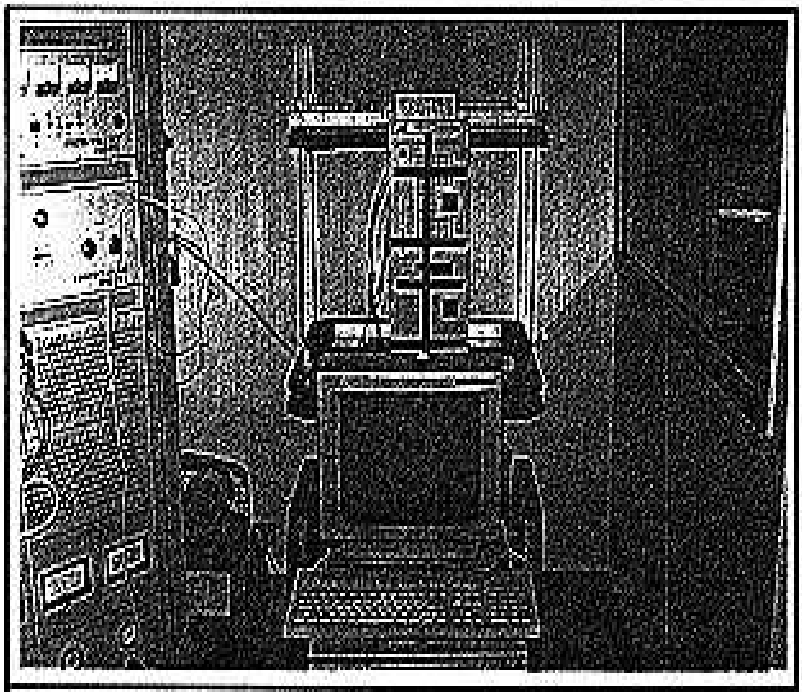
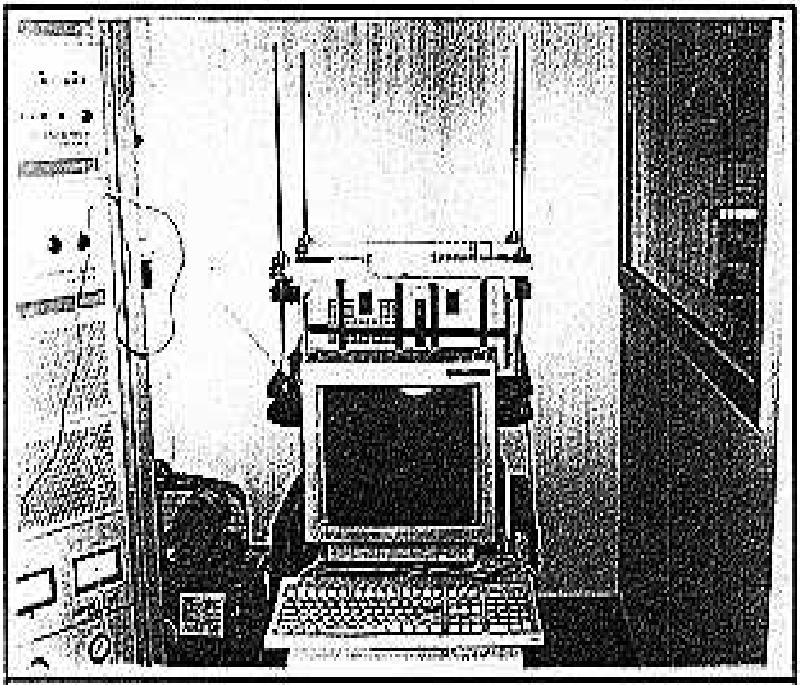


X - Axis 1G random vibration test



Y - Axis 1G random vibration test

Photograph :



Z- Axis 1G random vibration test