

AAEON

ISO-9001/ISO-1400 Certified
Industrial Automation PCs

SBC-598

QE Vibration Test Report

Release Date : 06/17/1998

Issue Stamp



QA Manager



QE Manager



Test Engineer

QA Lab Reliability test

Test Date : May 26, 1998
Test Site : Advantech QA Environment Lab
Performed By : CT Wu
Charles Chang

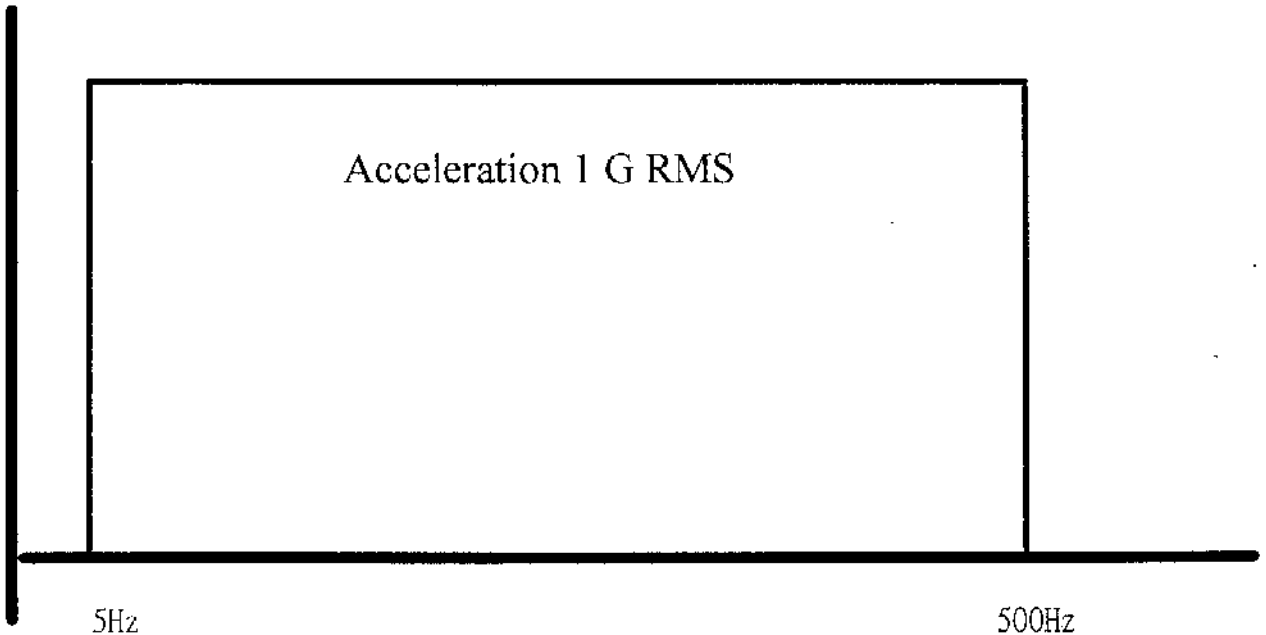
Test Standard : Reference IEC68-2-36 Testing procedures
Test Fdb : Random vibration wide band reproducibility medium

Test Condition :

1. Test PSD level : $0.002G^2/Hz$
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 :

PSD Level

$0.002g^2/Hz$



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-598 Rev A1 Main board following options installed:

1. Chassis: AIPC-110
2. CPU: Intel Pentium 233Hz with MMX
3. Core logic: SiS 5598 9812
4. SRAM: Winbond W25P240AF-6
5. DRAM: SEC KM44C4000AK-6 16M×2 EDORAM
6. I/O: ITE IT8661F 9804
7. CLK: W48C61-01G
8. Power: Seasonic SSG-250G
9. 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 connector, jumps, slot can work properly without any interference.
2. All screws are tighten up appropriately.

QA Lab Reliability test

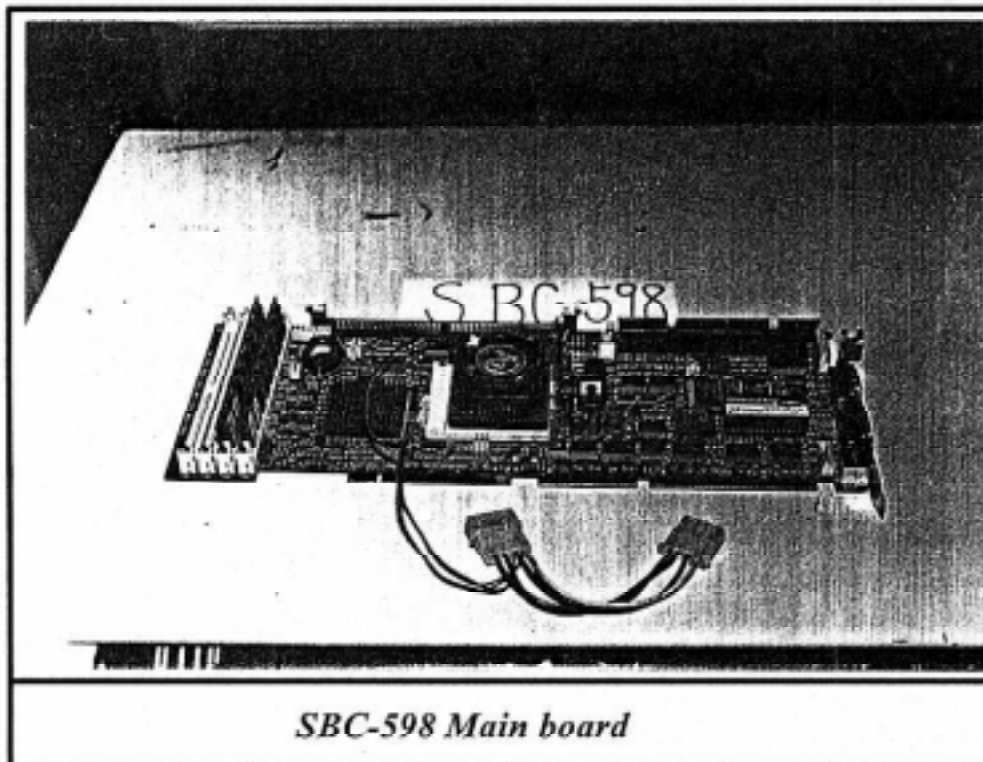
Test Result :

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

Conclusion :

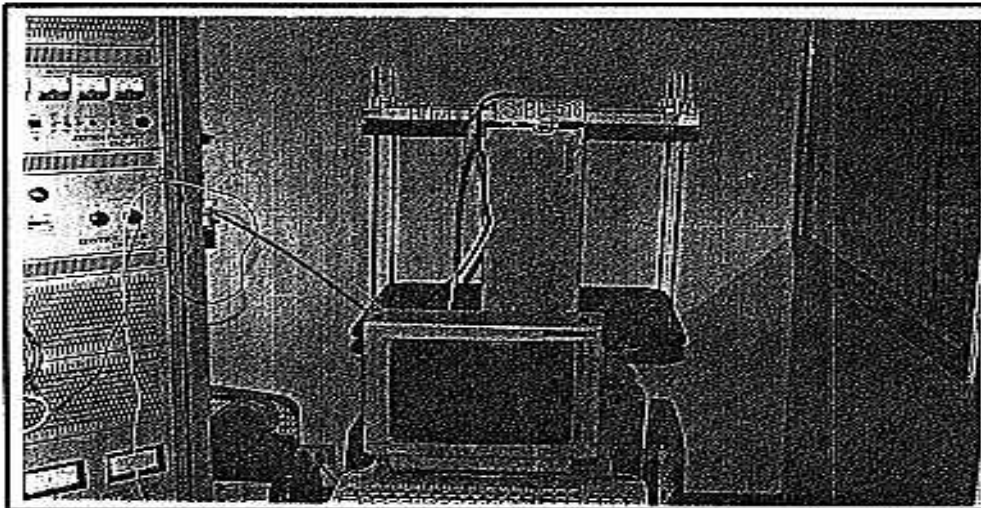
Passed.

Test Result : The SBC-598 is a reliable and durable device for use in a harsh environment.

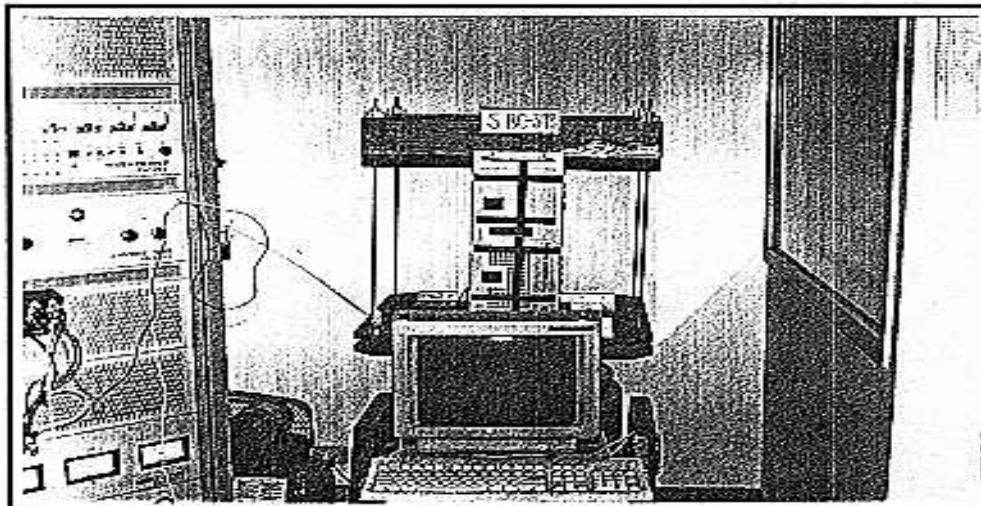
Photograph :

SBC-598 Main board

Photograph :



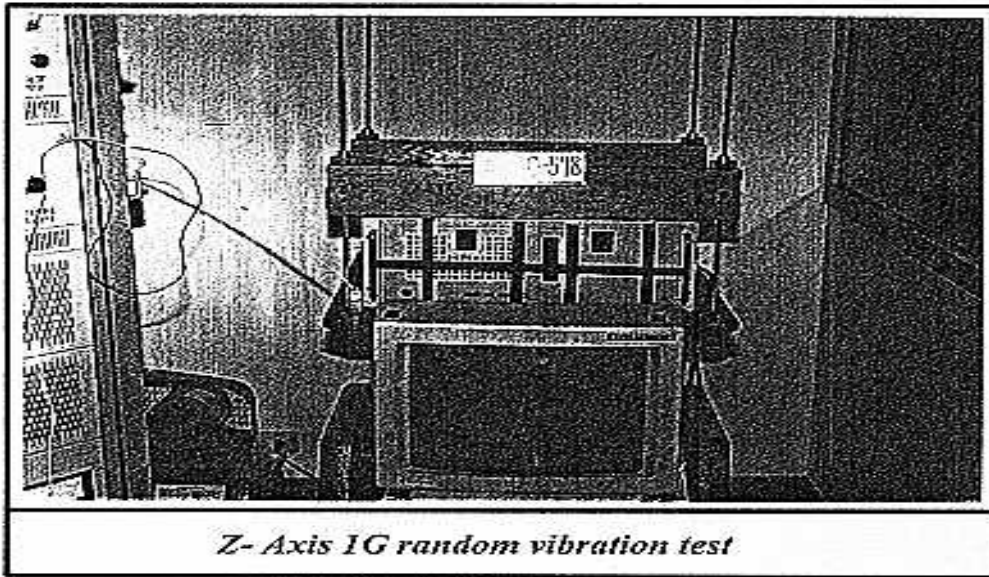
X - Axis 1G random vibration test



Y - Axis 1G random vibration test

QA Lab Reliability test

Photograph :



Z- Axis 1G random vibration test