

AAEON

ISO-9001/ISO-1400 Certified
Industrial Automation PCs

SBC-411E

QE Vibration Test Report

Release Date : 06/17/1998

Issue Stamp



QA Manager



QE Manager



Test Engineer

QA Lab Reliability test

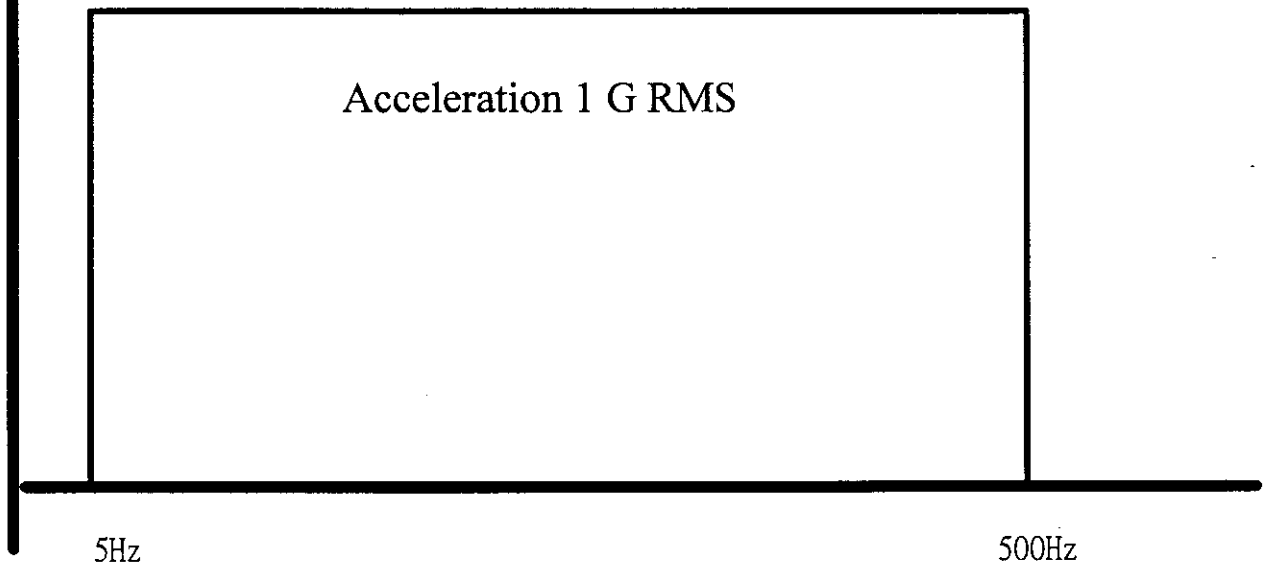
Test Date : May 21, 1998
Test Site : Advantech QA Environment Lab
Performed By : CT Wu
Charles Chang

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-411E Rev A1 Main board following options installed:

1. Chassis: AIPC-110
2. CPU: AMD486DX5-133 9806
3. Core logic: ALiM1489 9745
ALiM1487 9745
4. SRAM: UM61256FS-15 9746
5. DRAM: SEC KM44C4000AK-6 16M×2 EDORAM
6. I/O: SMC FDC37C665GT 9746
7. LAN: RTL 8029AS 9809
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 connecter,jumps,slot can work properly without any interference.
2. All screws are tighten up appropriately.

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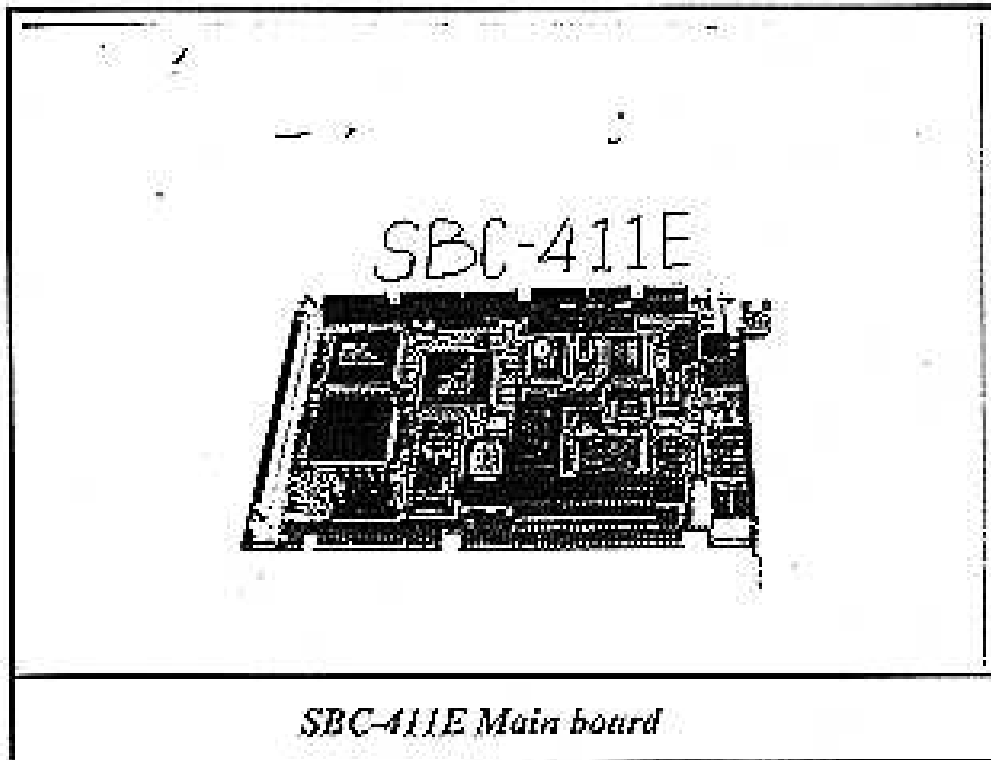
Test Result :

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

Conclusion :

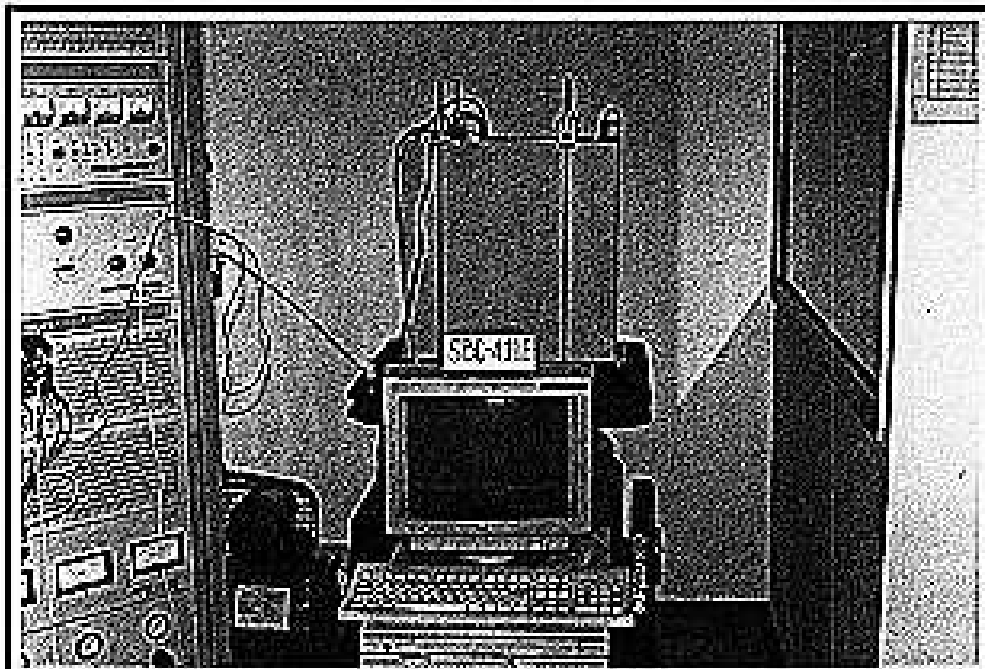
Passed.

The SBC-411E product meets the QA test specification.

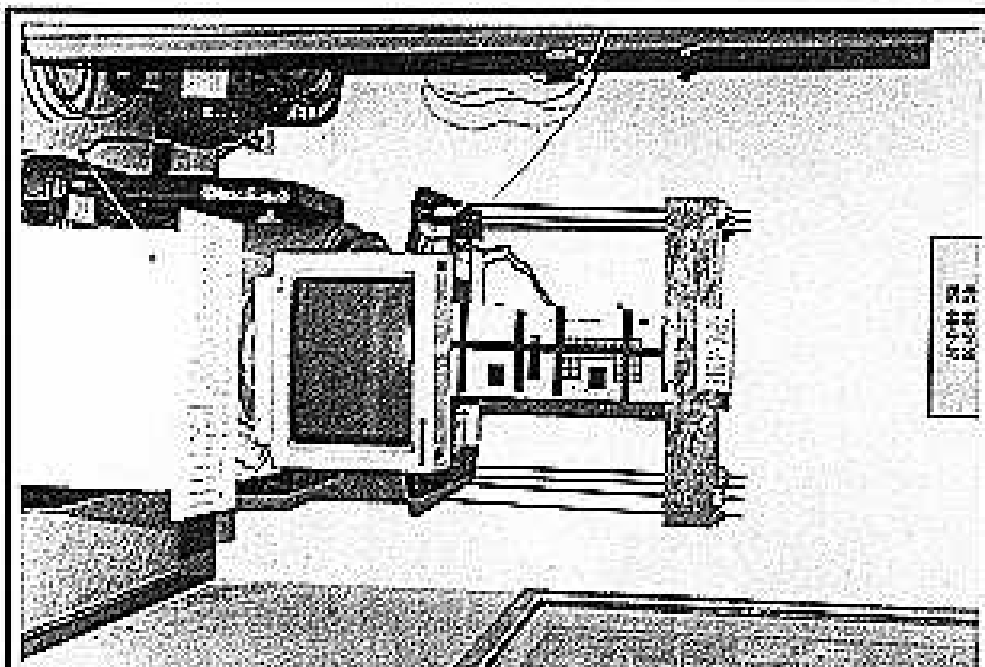
Photograph :

QA Lab Reliability test

Photograph :



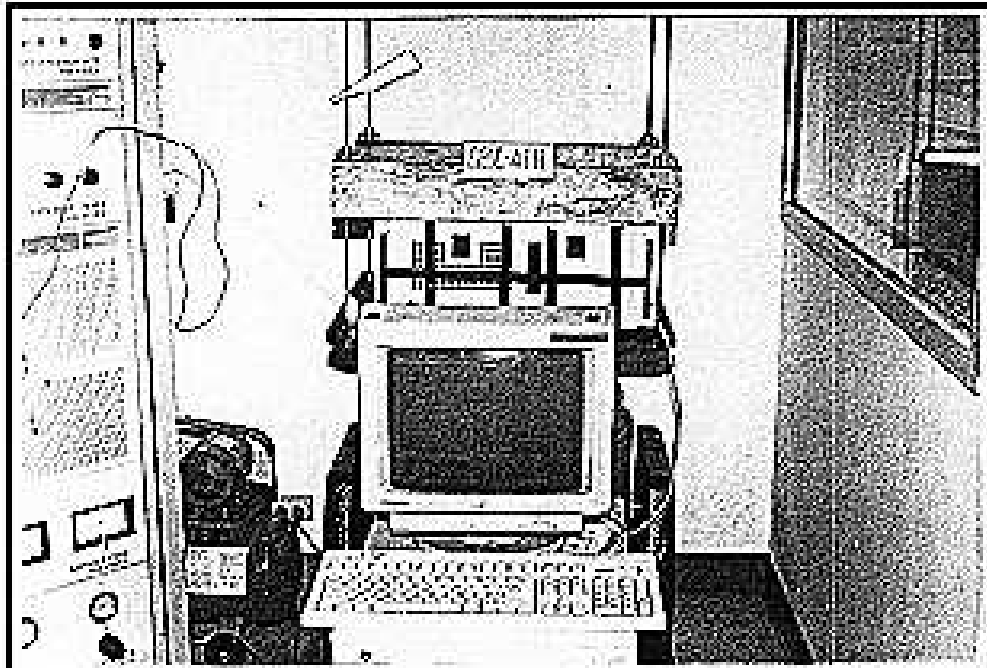
X - Axis 1G random vibration test



Y - Axis 1G random vibration test

QA Lab Reliability test

Photograph :



Z-Axis 1G random vibration test