

AAEON

ISO-9001/ISO-14001 Certified

Industrial Automation PCs

SBC-357
QE Vibration Test Report

Release Date : 10/20/1998

Issue Stamp

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Test Engineer

Random Vibration Test

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-357 Rev A1 Main board following options installed :

1. Chassis: AIPC-110
2. CPU: ALI M6117C A1 9830
3. Core Logic: ALI M6117C A1 9830
4. DRAM: NEC 4217405-60 16M X 2 EDORAM
5. VGA: CHIPS F65545 9749
6. VRAM: NEC 42S4260-60 9810
7. I/O: ITE IT8661F 9815
ITE IT8663BF 9825
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.

Random Vibration Test

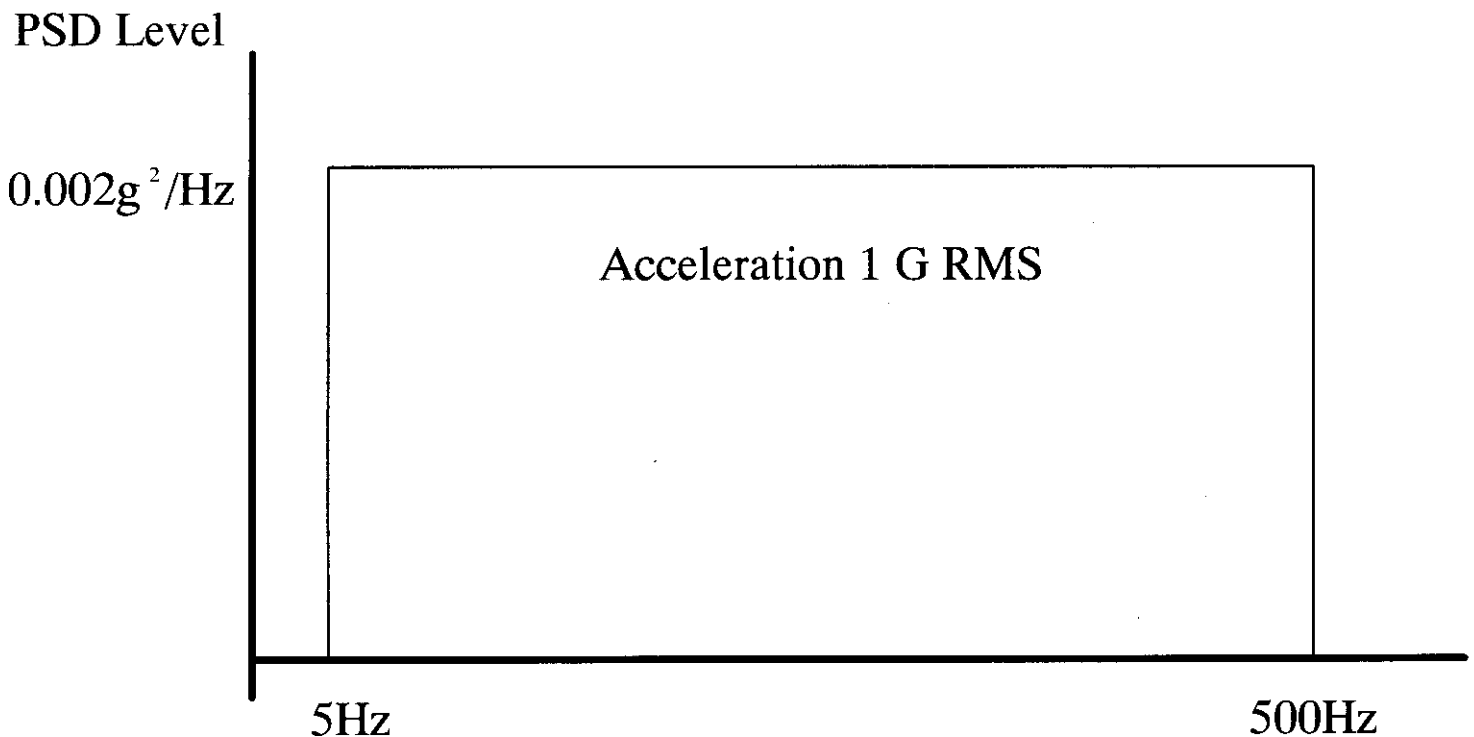
SBC-357

Test Date : October 15 , 1998
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

Test Result :

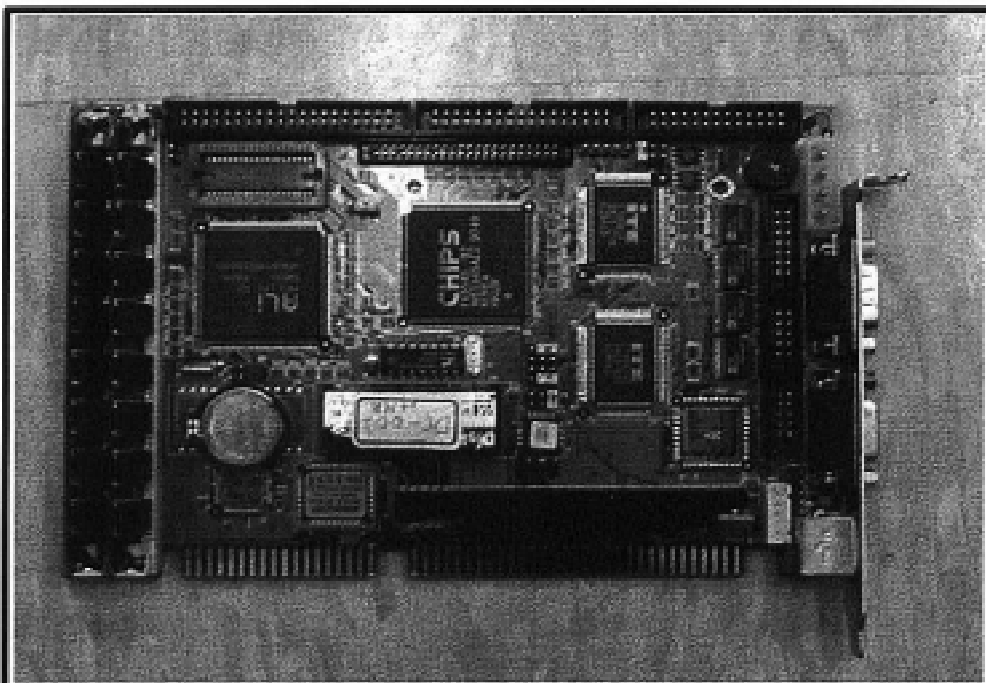
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The SBC-357 product meets the QA test specification.

Photograph :

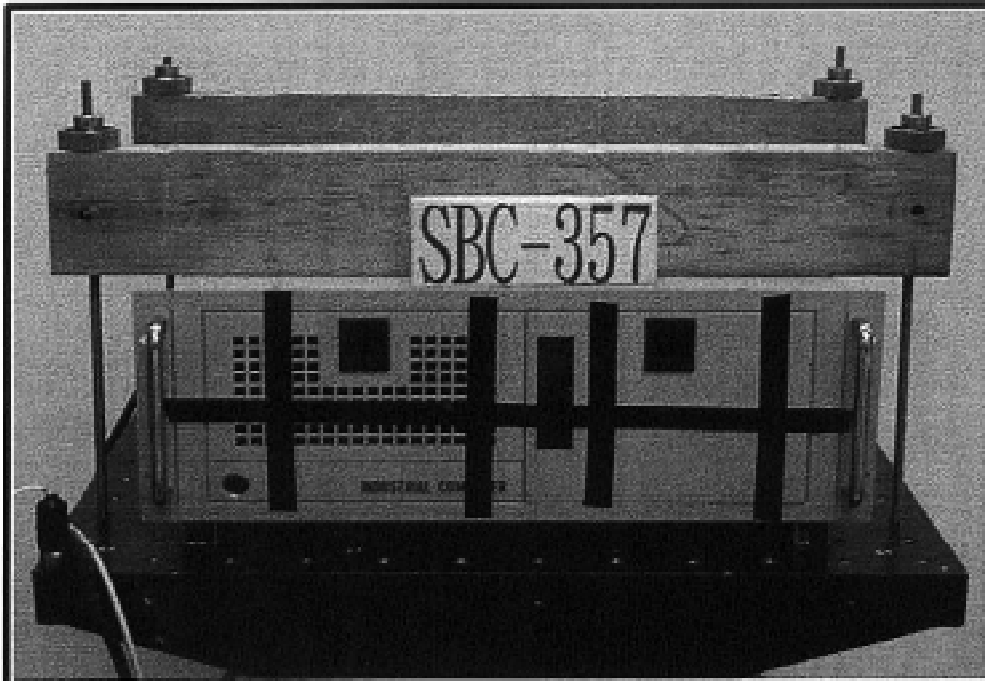


SBC-357 Main board

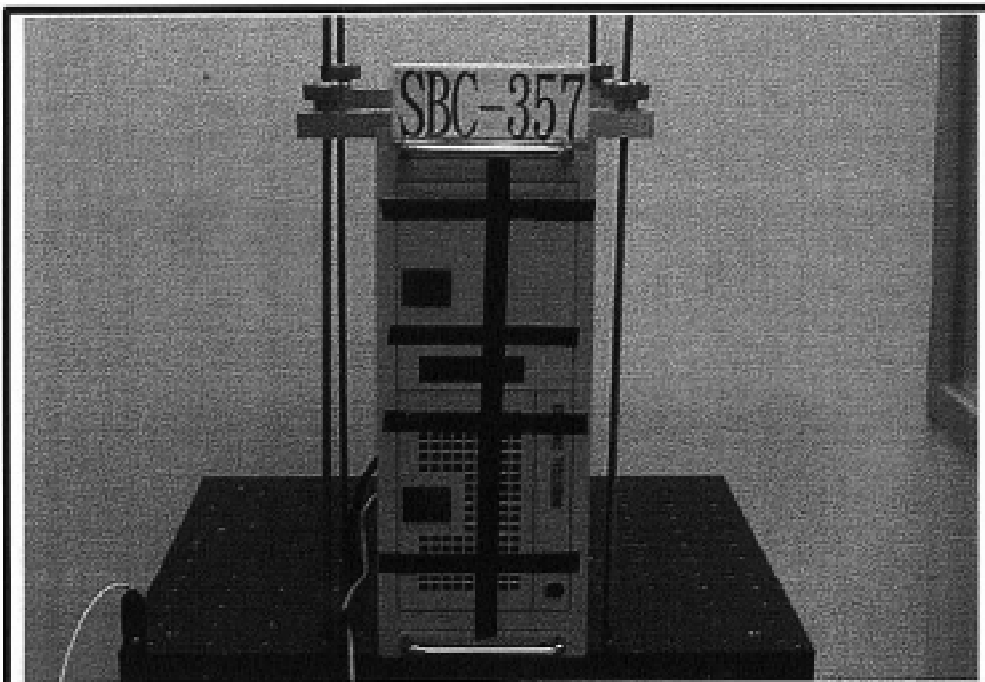
SBC-357

Random Vibration Test

Photograph:



X-Axis 1G random vibration test



Y-Axis 1G random vibration test

SBC-357

Random Vibration Test

Photograph:

