



ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-556 Rev. A1.0

QE Vibration Test Report

Release Date : 02/02/1999

Issue Stamp

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Random Vibration Test

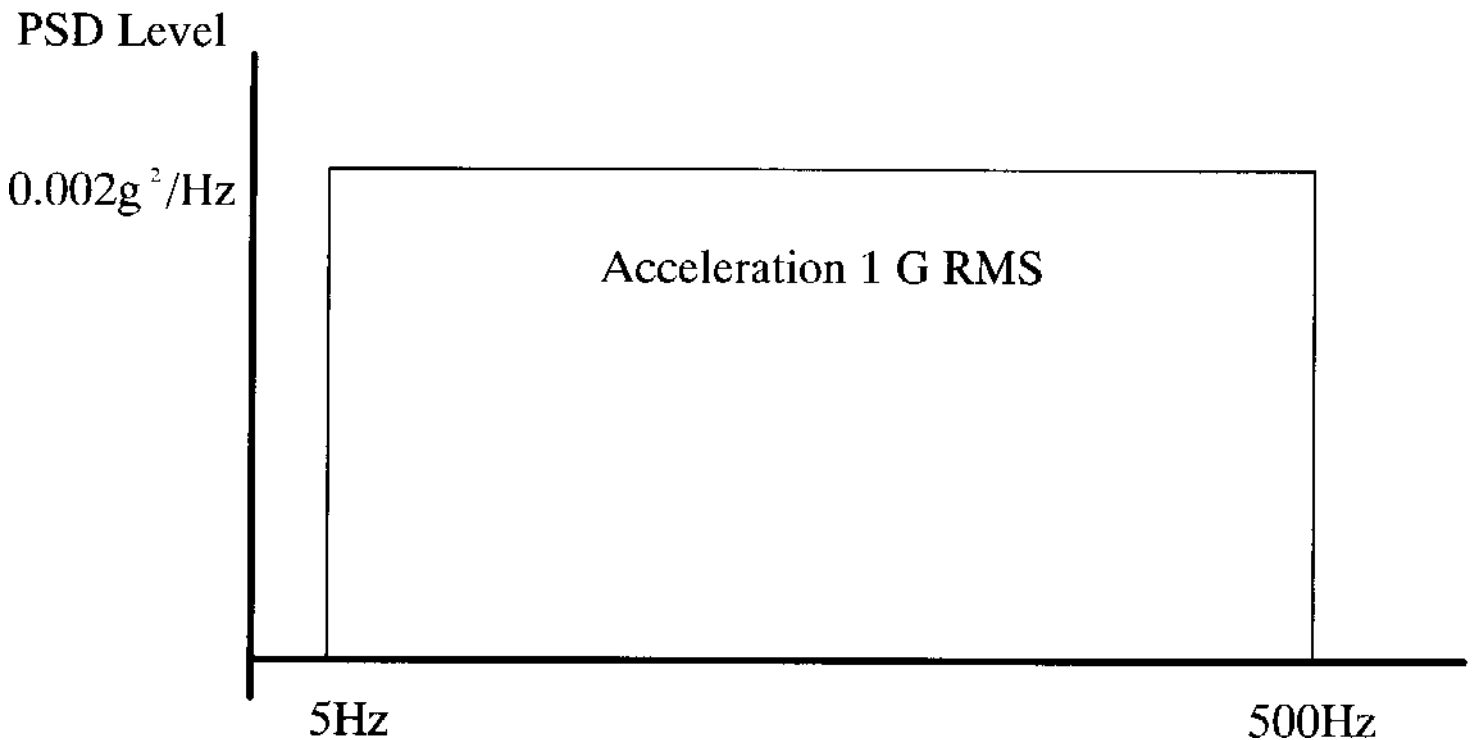
SBC-556

Test Date : January 28 , 1999
Test Site : Advantech QA Environment Lab
Performed By : Chasel Wang

Test Method : 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

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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-556 Rev A1.0 Half-Size CPU Card
following options installed :

1. Chassis: AIPC-314
2. CPU: AMD K6 - 233
3. Core Logic: SiS5582
4. DRAM: NEC 4217405-60 16M X 2 EDORAM
5. VGA: C&T 69000
6. VRAM: 2 MB built in Chip
7. Super I/O: Winbond W83877TF
8. Ethernet interface: Realtek RTL8139A
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 connector, jumps, slot can work properly without any interference.
2. All screws are tighten up appropriately.

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Test Result :

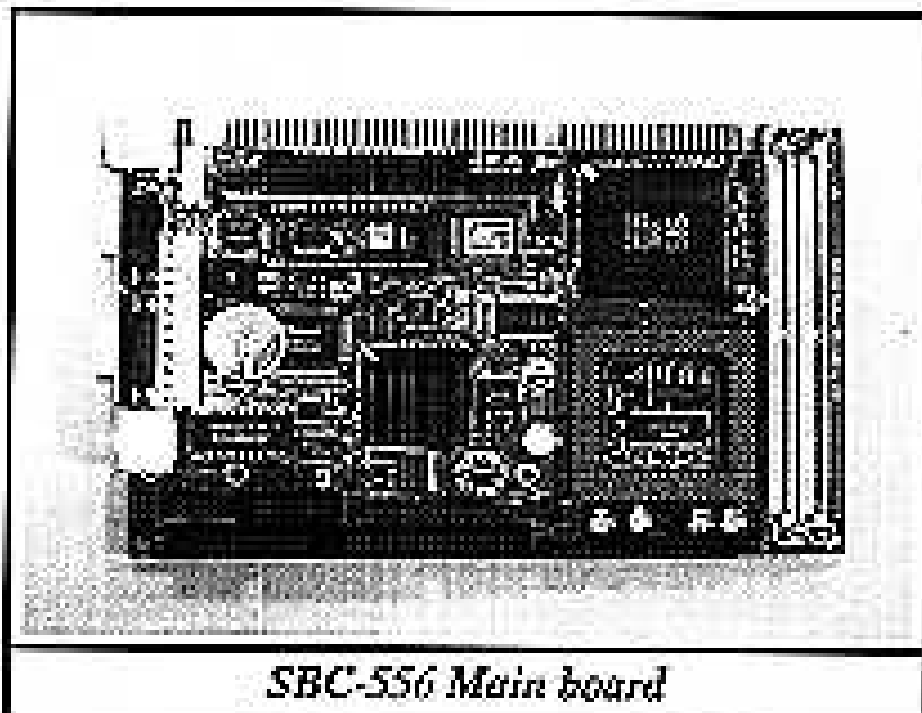
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The SBC-556 product meets the QA test specification.

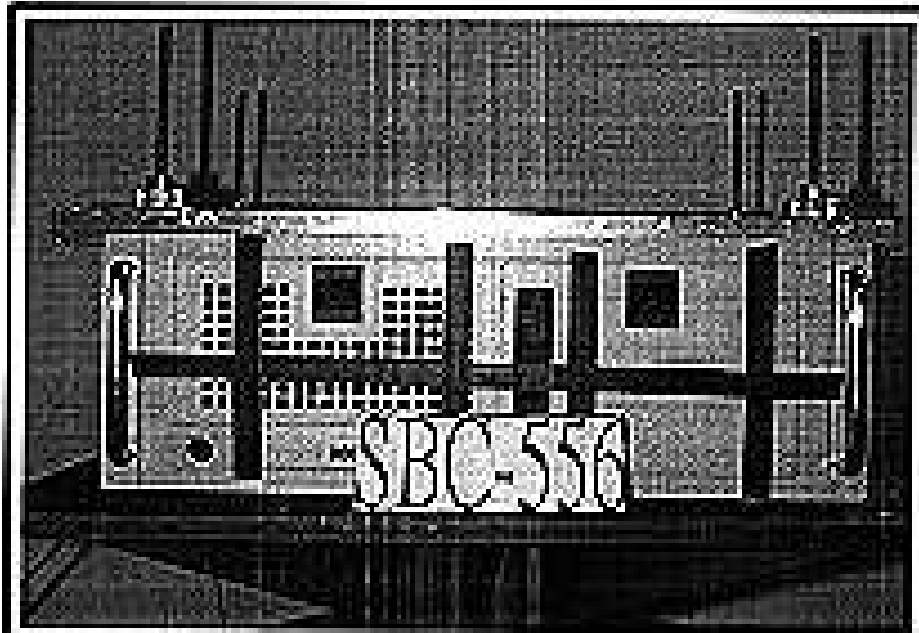
Photograph :



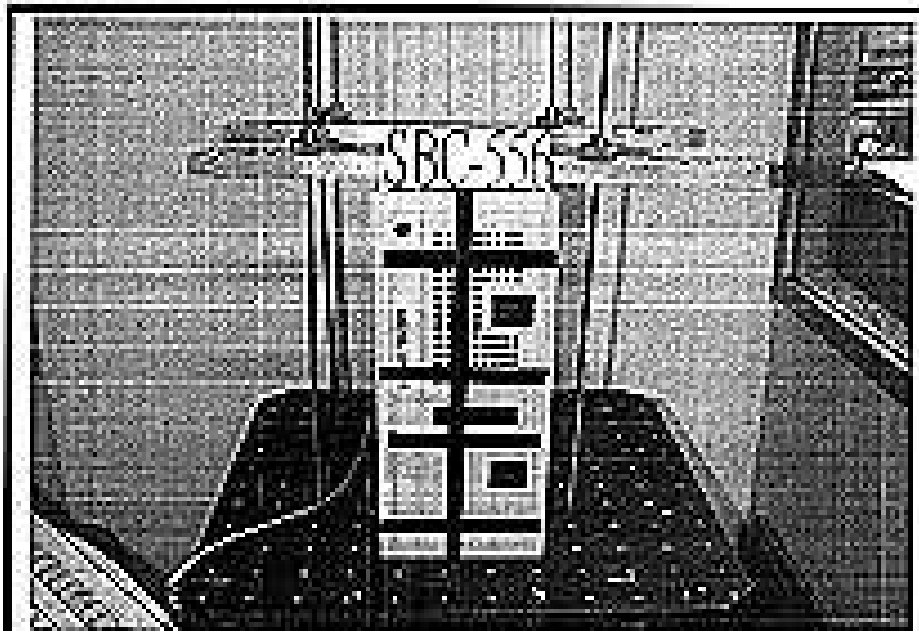
Random Vibration Test

SBC-556

Photograph:



X-Axis 1G random vibration test

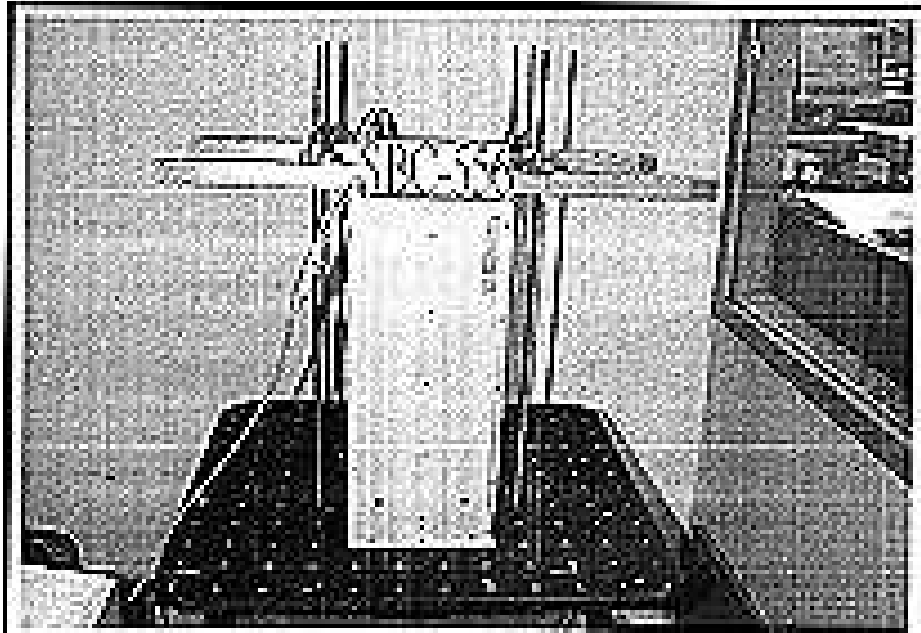


Y-Axis 1G random vibration test

Random Vibration Test

SBC-556

Photograph:



Z-Axis 1G random vibration test