

AAEON

ISO-9001/ISO-14001 Certified
Industrial Automation PCs

SBC-675
QE Vibration Test Report

Release Date : 03/24/1999

Issue Stamp

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Test Engineer

Random Vibration Test

SBC-675

Test Date : MARCH 22 , 1999

Test Site : Advantech QA Environment Lab

Performed By : Chasel Wang

Test Standard : Reference IEC68-2-36 Testing procedures

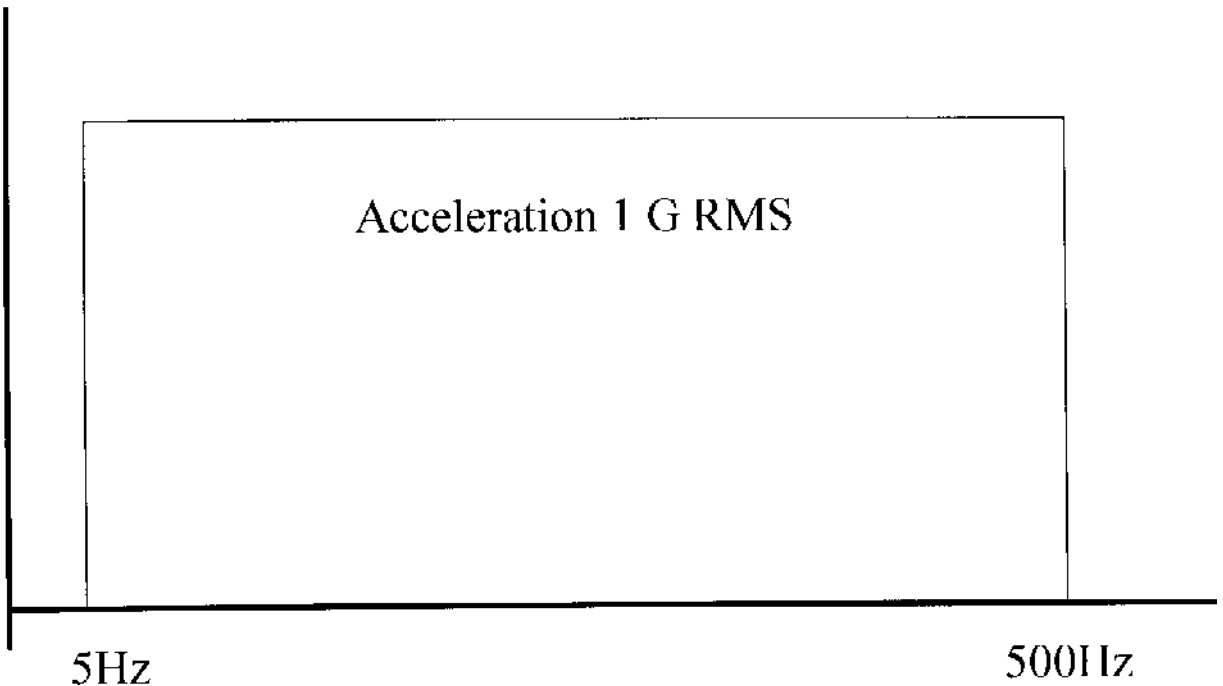
Test Fdb : Random vibration wide band
reproducibility medium

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:

PSD Level

$0.002g^2/Hz$



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-675 Rev.A0 Full-Size CPU Card
With the following options installed :

- 1.Chassis : AIPC-314
- 2.CPU : Celeron (Socket 370) 300MHz
- 3.Chipset : Intel 440BX
- 4.RAM memory : SIEMENS HYB39S16800AT-10 32M
- 5.VGA interface : C&T 69000
- 6.I/O Chipset : Winbond W83977F.
Fully 16-bit I/O decoded.
- 7.Ethernet interface : Realtek RTL8139A
- 8.Power : Seasonic SSG-250G AT Power
- 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.

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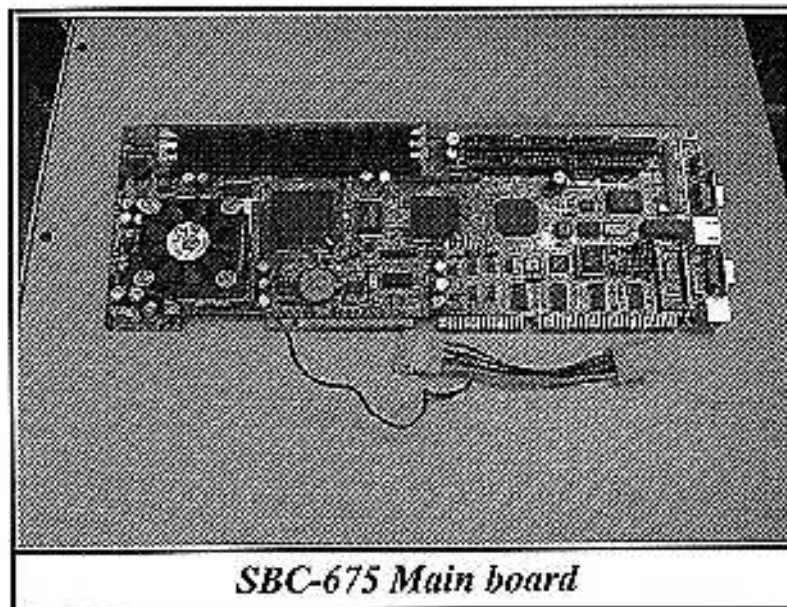
Test Result :

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-675 product meets the QA test specification.

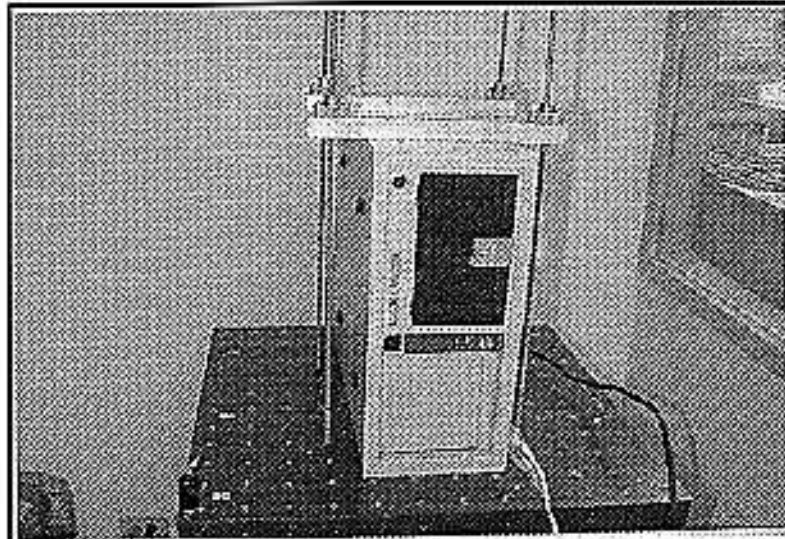
Photograph :



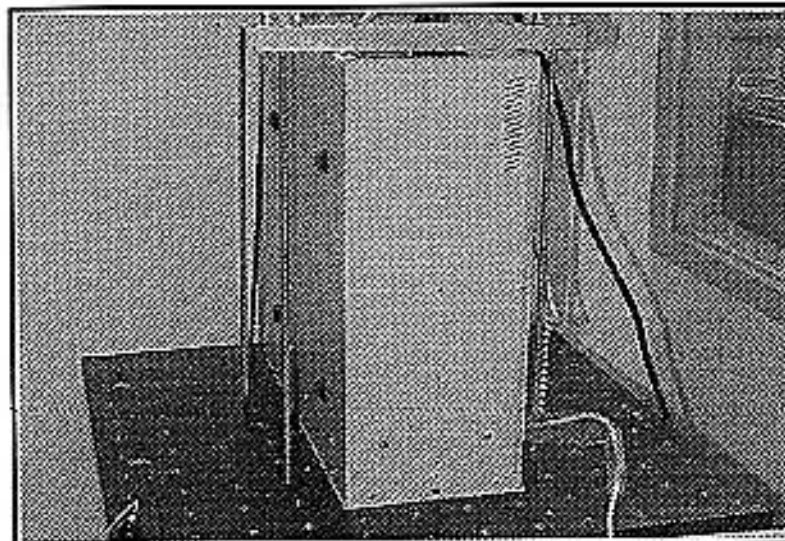
Random Vibration Test

SBC-675

Photograph:



X-Axis 1G random vibration test



Y-Axis 1G random vibration test

Random Vibration Test

SBC-675

Photograph:

