

**AAEON**

ISO-9001/ISO-14001 Certified  
Industrial Automation PCs

**SBC-770**  
**QE Vibration Test Report**

Release Date : 03/31/1999

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Issue Stamp

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QE Manager

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Test Engineer

# Random Vibration Test

SBC-770

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**Test Date :** MARCH 30 , 1999

**Test Site :** Advantech QA Environment Lab

**Performed By :** Chasel Wang

**Test Standard :** Reference IEC68-2-36 Testing procedures

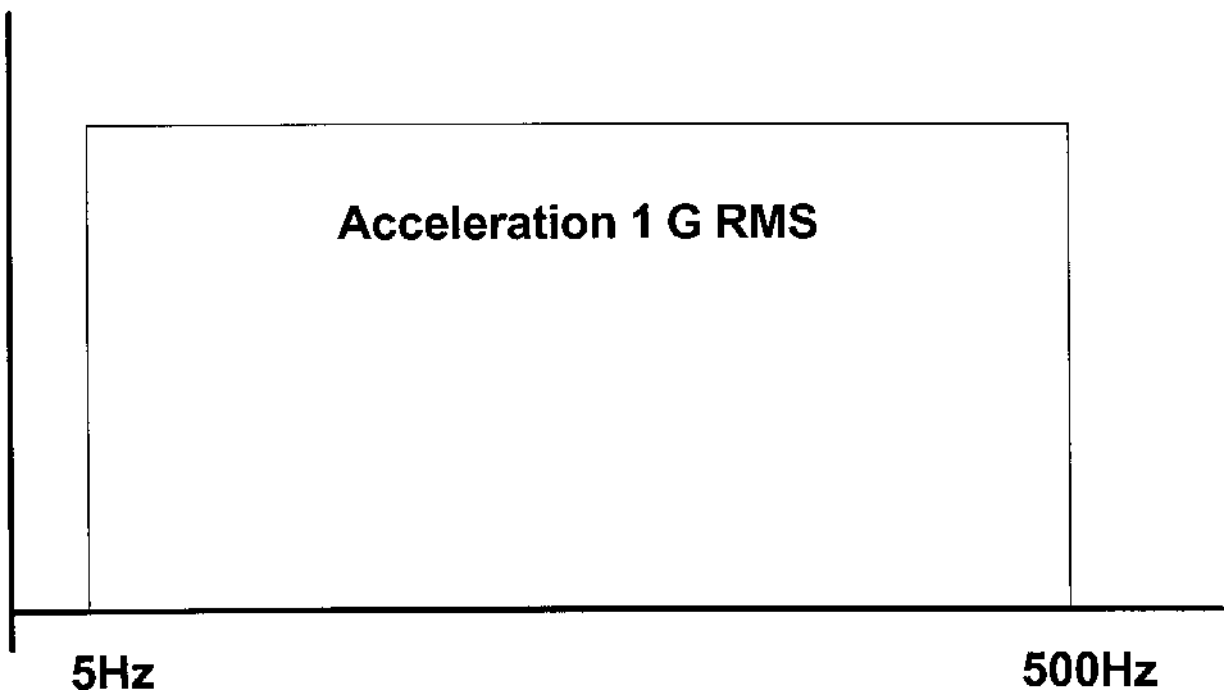
**Test Fdb :** Random vibration wide band reproducibility  
medium

**Test Condition :**

1. Test PSD level: 0.002G<sup>2</sup>/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<sup>2</sup>/Hz



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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-770 Rev.A1 Full-Size CPU Card**

**With the following options installed :**

**1.Chassis : AIPC-314**

**2.CPU : Intel Pentium II 300 MHz**

**3.Chipset : Intel 440BX**

**4.RAM memory : NEC D4564841G5-A10 64MB**

**5.VGA interface : C&T 69000**

**6.I/O Chipset : Winbond W83977F Will 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 connecter,jumps,slot can work properly without any interference.**
- 2.All screws are tighten up appropriately.**

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**Test Result :**

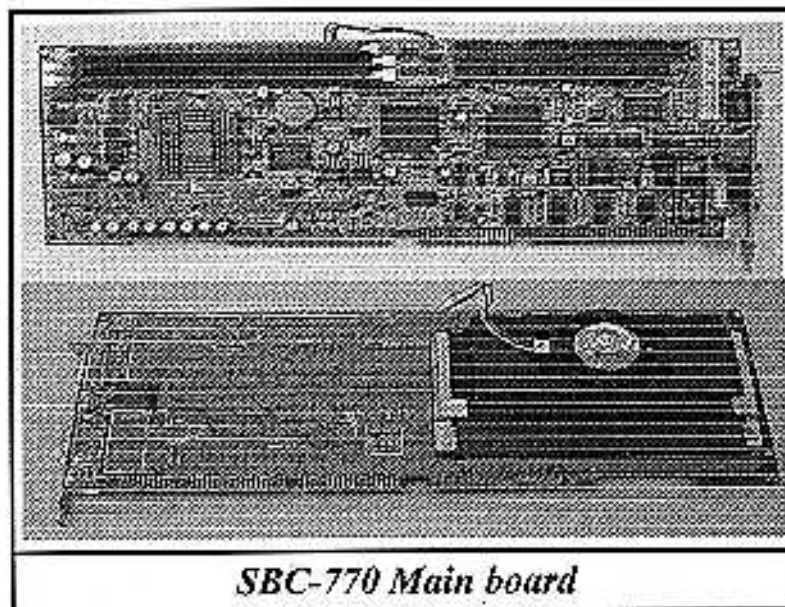
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

**Conclusion :**

**Passed.**

The SBC-770 product meets the QA test specification.

***Photograph :***

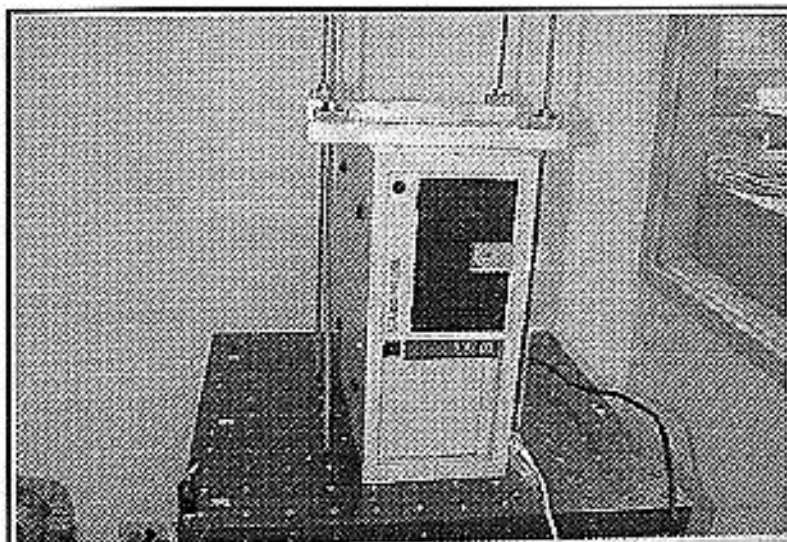


# Random Vibration Test

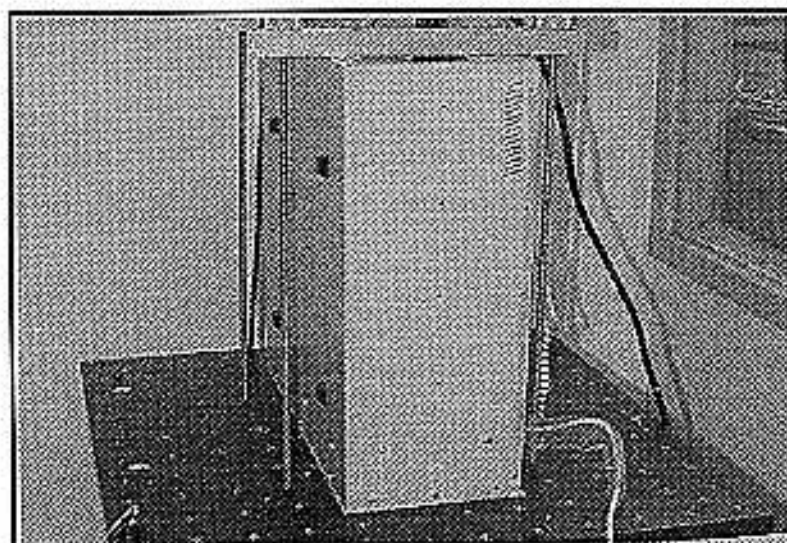
SBC-770

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*Photograph:*



*X-Axis 1G random vibration test*



*Y-Axis 1G random vibration test*

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SBC-770

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*Photograph:*

