



ISO-9001/ISO-14001 Certified
Industrial Automation PCs

PCM-5896

QE Vibration Test Report

Release Date : 04/22/1999

Issue Stamp

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QA Manager

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QE Manager

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Random Vibration Test

PCM-5896

Test Date : APRIL 15 , 1999

Test Site : Advantech QA Environment Lab

Performed By : Chasel Wang

Test Standard : Reference IEC68-2-36 Testing procedures

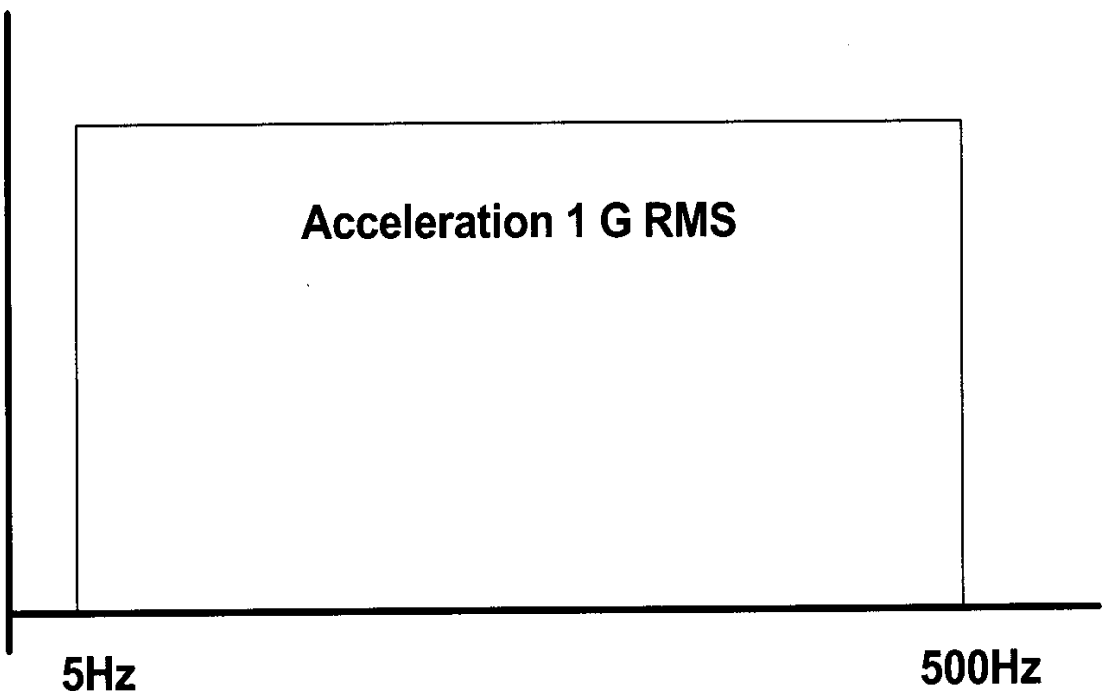
Test Fdb : Random vibration wide band reproducibility
medium

Test Condition :

1. Test PSD level: 0.002G²/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

0.002g²/Hz



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Test Equipment:Vibration Simulator System

KING DESIGN Co. LTD.

Model: 9363EM-20030-25N80

S / N: MC104053285

Date of Calibration: 04-14-1999

Sample Configuration & Quantity Under Test:

Using one PCM-5896 Rev.A1.1 All-in-One Single Board

With the following options installed :

- 1.Chassis : AIPC-314
- 2.CPU : AMD K6-2 300 MHz
- 3.Chipset : ALi 1541/1543
- 4.RAM memory : SIEMENS HYB39S16800AT-10 32MB
- 5.VGA interface : C&T 69000
- 6.I/O Chipset :ALi1543/ITE IT8661F Fully 16-bit I/O decoded.
- 7.Ethernet interface : Realtek RTL8139A
- 8.Power : SYNEX HPC-250G2 ATX 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 :

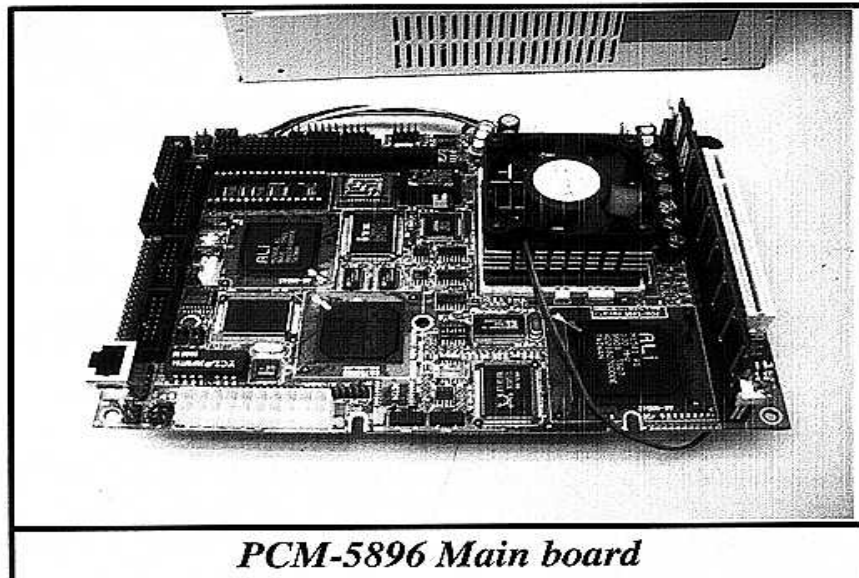
Test is no electronic and mechanical function damage or degradation have found, and without any incurably physical damage degradation the performance.

Conclusion :

Passed.

The PCM-5896 product meets the QA test specification.

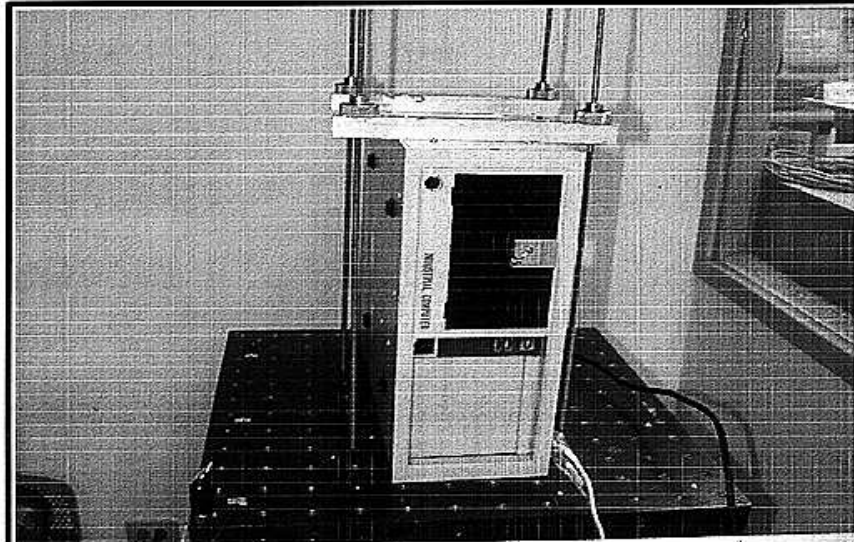
Photograph :



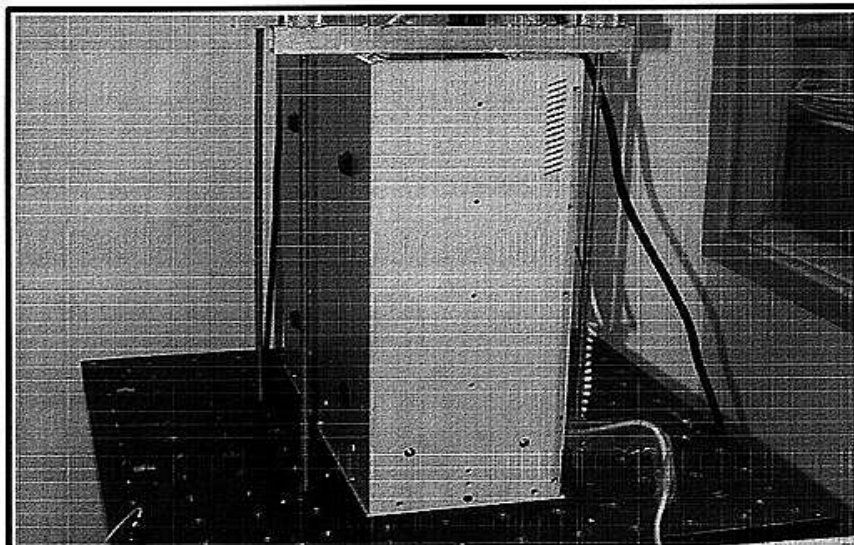
Random Vibration Test

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Photograph:



X-Axis 1G random vibration test



Y-Axis 1G random vibration test

Random Vibration Test

PCM-5896

Photograph:

