

QA Test Report

PCA-6751

(Random vibration Test)

Report No : 01V009A0

Issue Stamp

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Department**

Charles Chang
Approval

Art Liao
Test Engineer

QA Lab Reliability test

March 23, 2001

Test Site : Advantech QA Environment Lab

Performed By : Art Liao

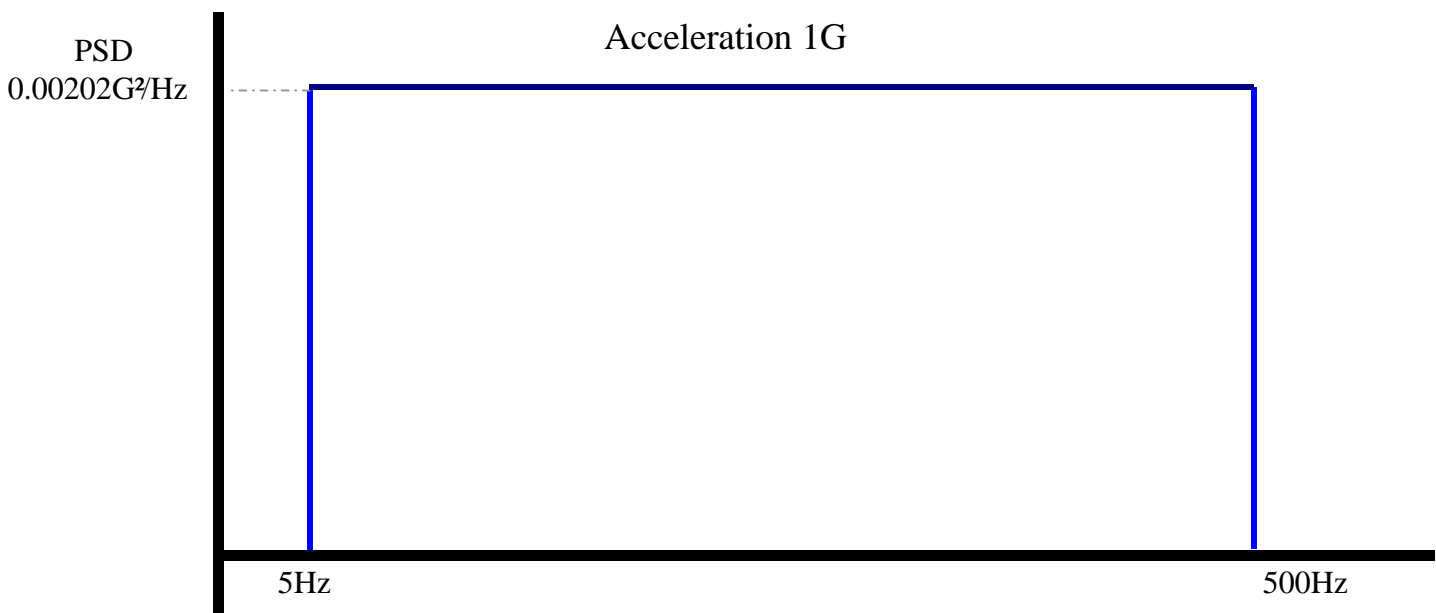
Purpose : The massproduction test for customer

Test Standard : Reference IEC68-2-64 Testing procedures

Test Fh : Vibration board band random test

Test Condition :

1. Test Acceleration: 1G (PSD 0.00202G²/Hz)
2. Test Frequency: 5-500Hz
3. Test Axis: X,Y,Z three axes
4. Test Time: 1hr each axis
5. Test Vibration Curve :



Test Equipment : Vibration Simulator System

QA Lab Reliability test

KING DESIGN Co. LTD.
Model : 9363EM-20030-25N80
S / N : MC104053285
Date of Calibration : 04-12-2000

Sample Configuration & Quantity Under Test :

Using one PCA-6751 and Customer chassis with the following options installed.

1. CPU board : PCA-6751 Rev.A1.01-2
2. CPU : Intel Pentium MMX tech 166MHz
3. VGA : Chips 69000
4. Lan : RTL 8139
5. PC-104 : PCM-3810A Rev.A1 01-4
6. DRAM : NEC PC-100 32M
7. Chassis : Customer

Performance Criteria :

Mechanical function check:

- 1.The PCA-6751 inserts to socket should work properly without any interference

Test Result :

Test is no mechanical function damage or degradation have found,
And without any incurably physical damage degradation the
Performance.

Conclusion :

Passed.

The PCA-6751 meets the 1G vibration test .

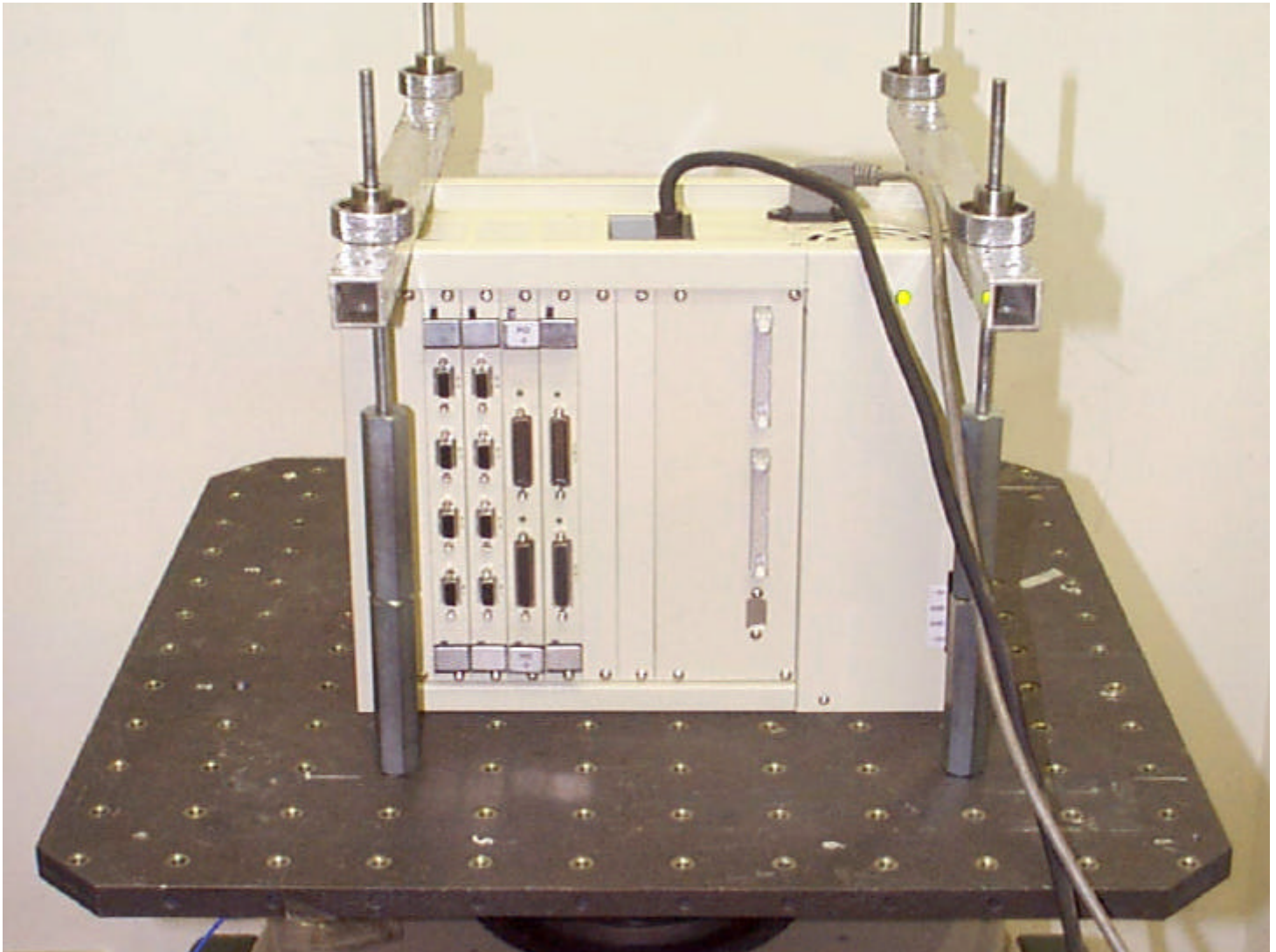
Testing Photograph :



The PCA-6751 TOP VIEW

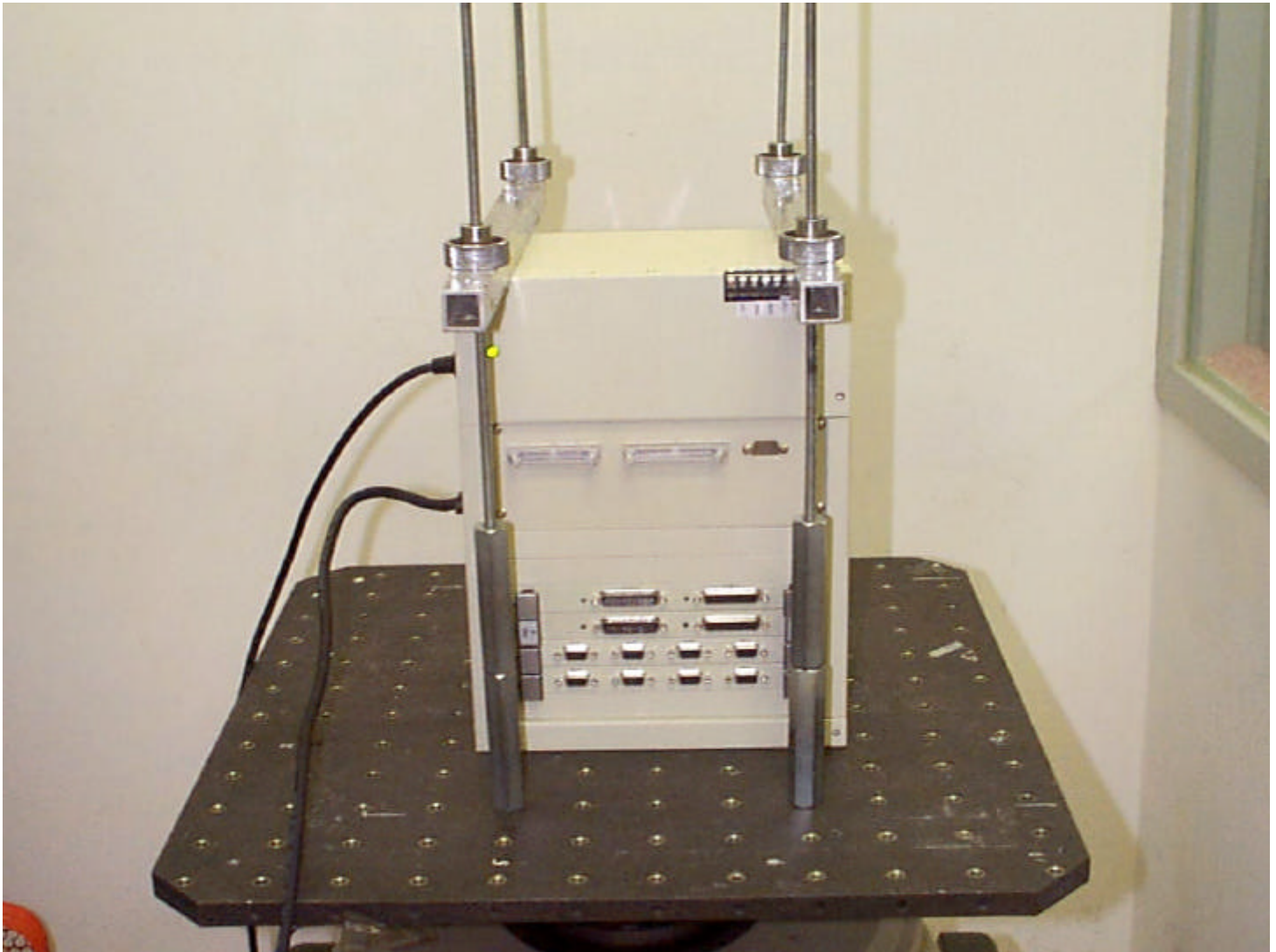
Testing Photograph :

QA Lab Reliability test



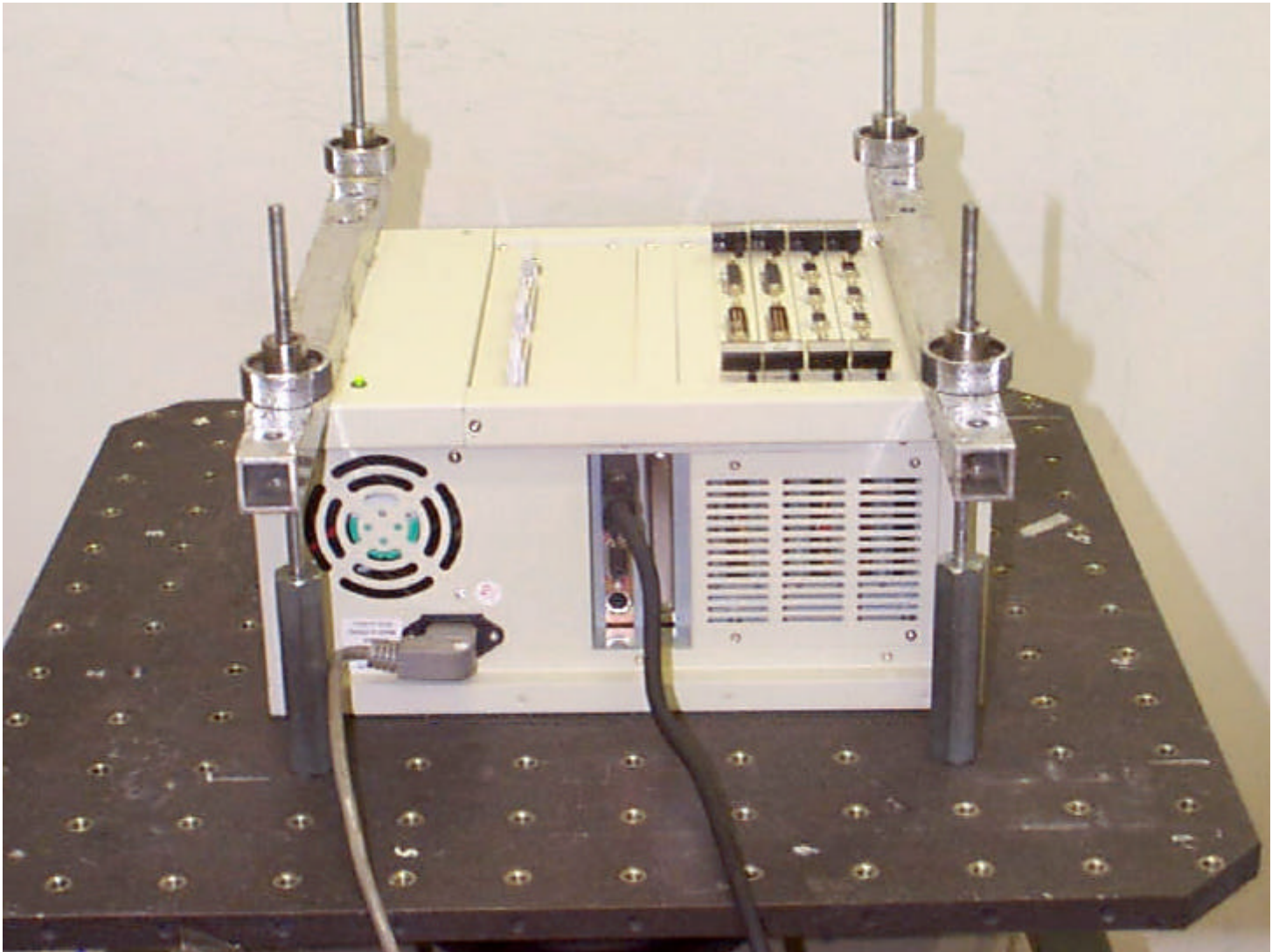
The X axis vibration test

Testing Photograph :



The Y axis vibration test

Testing Photograph :



The Z axis vibration test