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ADVANTECH CO., LTD.

QA Test Report

PCA-6751

(Random Vibration Test)

Report No : 03V016A0

Report Date : June 30, 2003

	Chi-Horng Liao	*Charles Chang*	*Knight Hu*
Issue Stamp	**Manager of QA Department**	**Approval**	**Test Engineer**

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PCA-6751 # Random Vibration Test **ReportNo.03V016A0**

QA Lab Reliability test

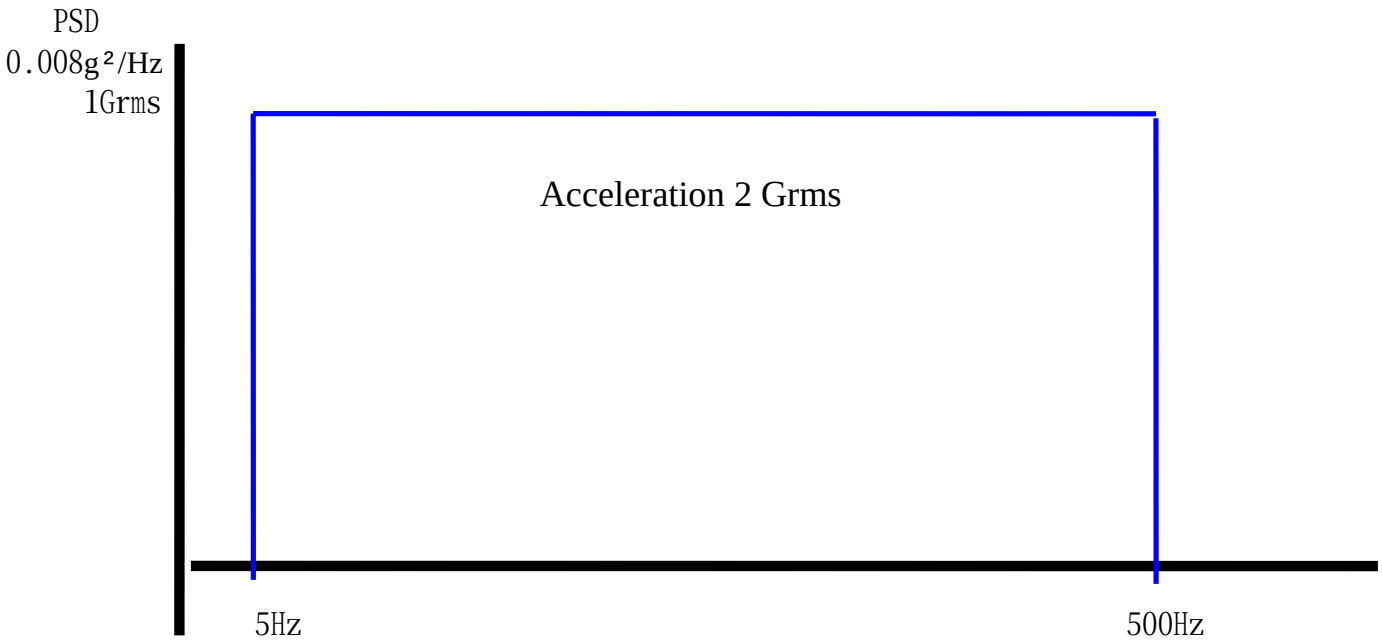
Test Date : June 23, 2003
Test Site : Advantech QA Environment Lab
Performed By : Knight Hu

Purpose : Reliability test of CPU Heatsink mount by agglutinant

Test Standard : Reference IEC68-2-64 Testing procedures
Test Fh : Vibration boardband random test

Test Condition :

1. Test Acceleration : 2Grms
2. Test Frequency : 5-500Hz
3. Test Axis : X, Y, Z axis
4. Test Time : 1 hour pre axis
5. Test Vibration Curve :



PCA-6751 # Random Vibration Test **ReportNo.03V016A0**

QA Lab Reliability test

Test Equipment : Vibration Simulator System
KING DESIGN Co. LTD.
Model : 9363EM-20030-25N80
S / N : MC104053285
Date of Calibration : 05/13/2003

Sample Configuration & Quantity Under Test :

Using one PCA-6751 PC Add-on Card with the following options installed :

1. PCA-6751 Rev.A1

Performance Criteria :

Electronic function check:

1. Running WinCE ver.4.1 for OS, the system should not have degradation in its performance.
2. The testing with Mqbench program for system functions checked and should pass the inspection.

Mechanical function check:

1. The CPU heatsink agglutination on CPU and work properly without any interference.

Test Result :

1. There is no damage in electronic and mechanical functions.
2. Degradation has not been found.
3. Performance is maintained with no incurable physical damage or degradation.
4. The heatsink is properly fixed on the CPU by agglutinant fashion.

Conclusion :

Passed.
The PCA-6751 PC Add-on Card meets random vibration test.

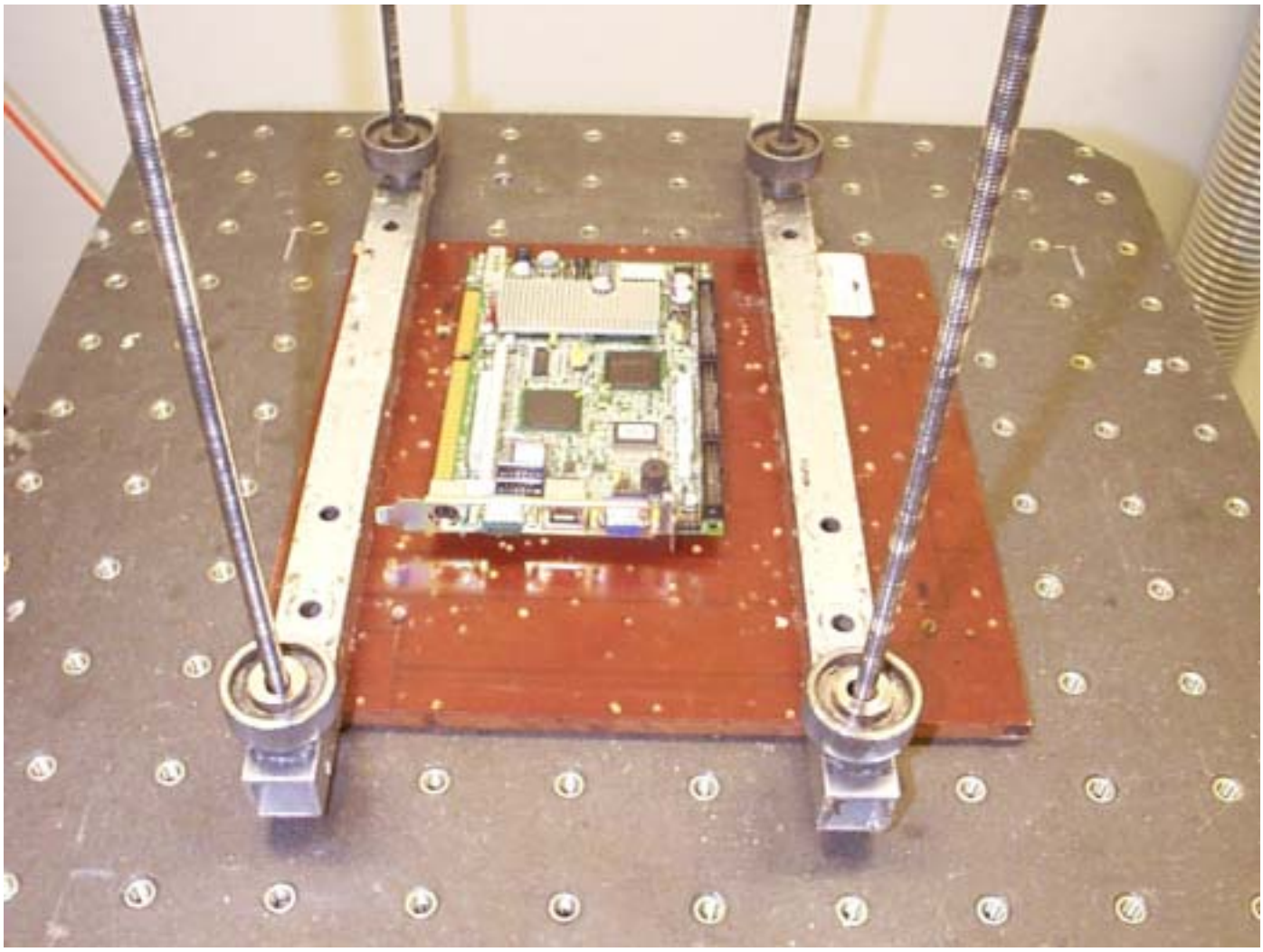
Photo I:

PCA-6751 front view

Photo II:

PCA-6751 rear view

Photo I:

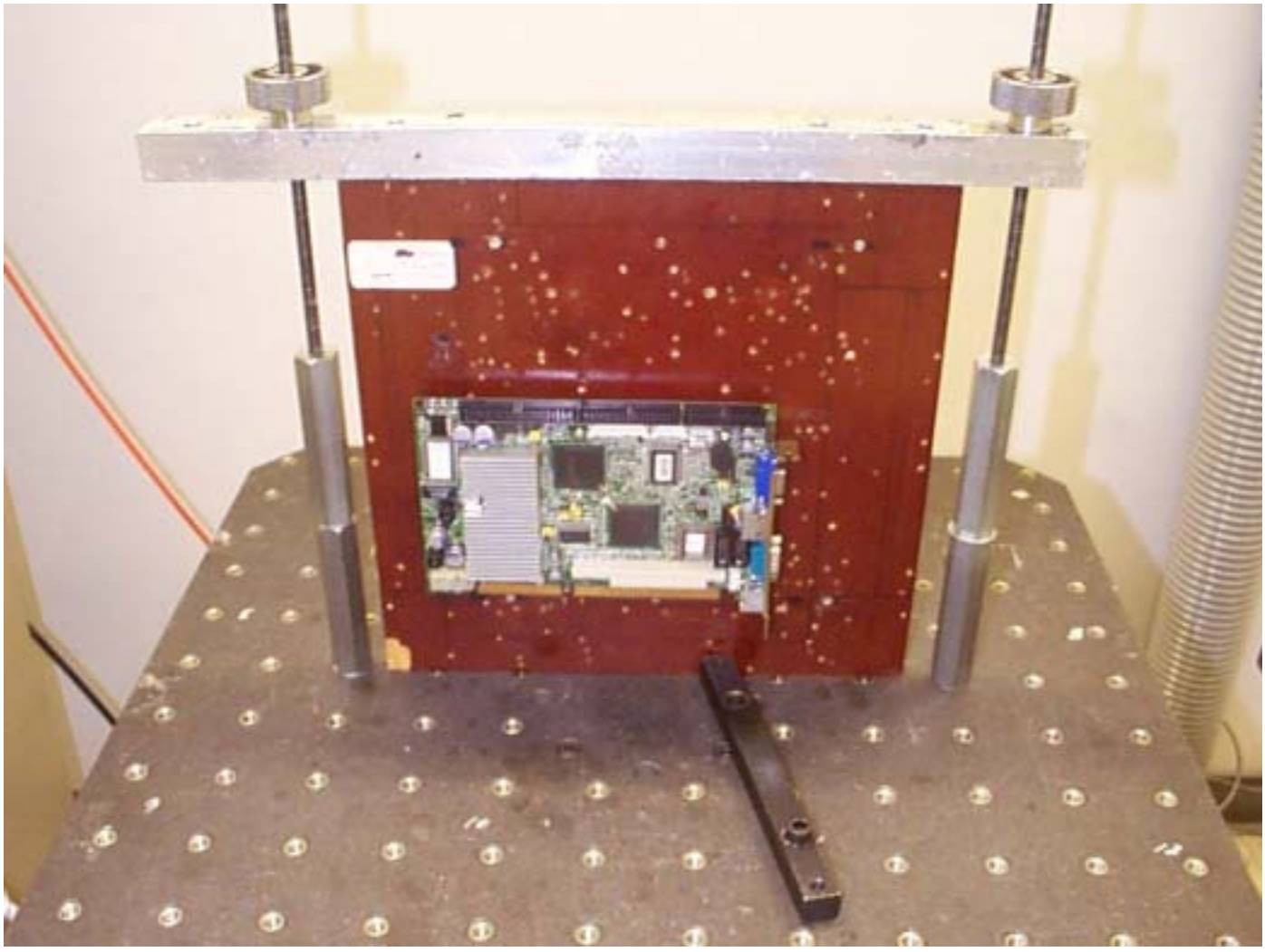


X-axis

Photo II:

Y-axis

Photo III:



Z-axis