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ADVANTECH CO., LTD.

QA Test Report

IPC-623

(Low Temperature Operation Test)

Report No : 07T071A0

Report Date : July 10, 2007

Issue Stamp

Charles Chang
Manager of QA Department

Charles Chang
Approval

Jeff Yang
Test Engineer

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QA Lab Reliability test

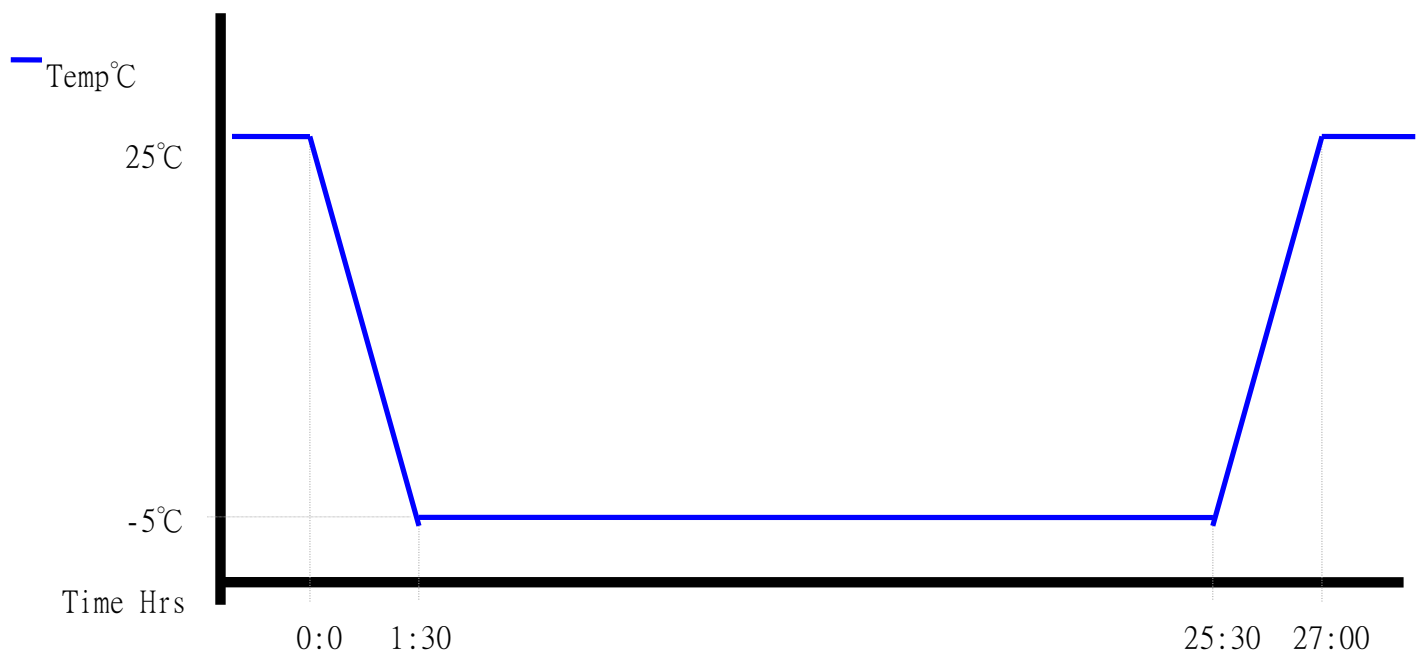
Test Date : June 27, 2007 ~ June 28, 2007
Test Site : Advantech QA Environment Lab
Performed By : Jeff Yang

Purpose : The DVT test

Test Standard : Reference IEC60068-2-1 Testing procedures
Test Ab : Cold Test

Test Condition :

1. Test Temperature : -5°C
2. Test Times : 24Hrs
3. Test Software : Running Hot CPU Tester Pro V4.3 & Passmark Burn-in V4.0 test program in WinXP
4. Test Environment Curve :



Test Equipment : Programmable Temperature & Humidity Chamber

K.SON. INS. TECH CORP.

Model : THS-D4L +-100

Date of Calibration : 03/08/2007

Sample Configuration & Quantity Under Test :

Using one IPC-623 with the following options installed:

1. Backplane : PCE-7B16Q-02A1
2. M/B: PCE-5120G2 *4
3. CPU : Intel Core 2 Duo 2.13GHz * 2
Intel Core 2 Duo 1.8GHz *1
Intel Core 2 Duo 2.4GHz *1
4. RAM : Transcend DDR2 667 1GB *4
5. HDD : Seagate ST380011A IDE 80GB *2
WD WD800JD-00LSA0 SATA 80GB *2
6. Power supply : Lemacs MPN1-6300F 300W *4

Performance Criteria :

Electronic function check:

- 1.All system functions must be checked with appropriate testing programs and should pass the inspection.
- 2.Running WinXP for OS, the system should not have degradation in its performance.

Mechanical function check:

1. The cover and connectors should work properly without any interference.
2. All screws should be tightened up appropriately.

Test Result :

There is no damage in electronic and mechanical functions.

Degradation has not been found.

Performance is maintained with no incurable physical damage or degradation.

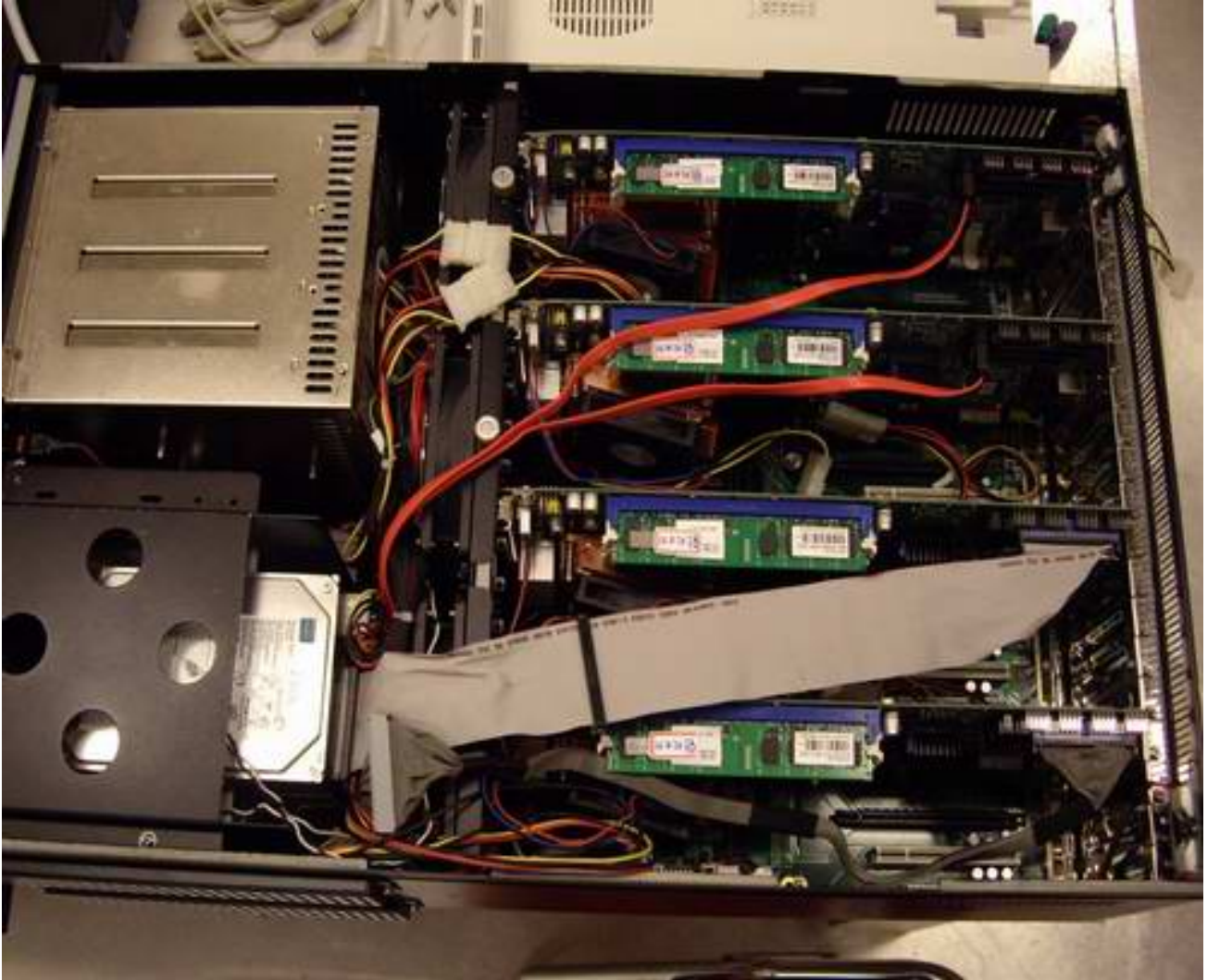
Conclusion :**Passed.**

The IPC-623 meets low temperature operation test.

Photo I :

IPC-623 low temperature operation test

Photo II :



IPC-623 structure photo