

# QA Test Report

**PCA-6751A**

**(High Temperature Operation Test)**

**Report No : 02T022A0**

**Report Date : July 10, 2002**

Issue Stamp

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*Chi-Hong Liao*  
Manager of QA Department

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*Charles Chang*  
Approval

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*Charles Chang*  
Test Engineer

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[www.advantech.com](http://www.advantech.com)

*QA Lab Reliability test*

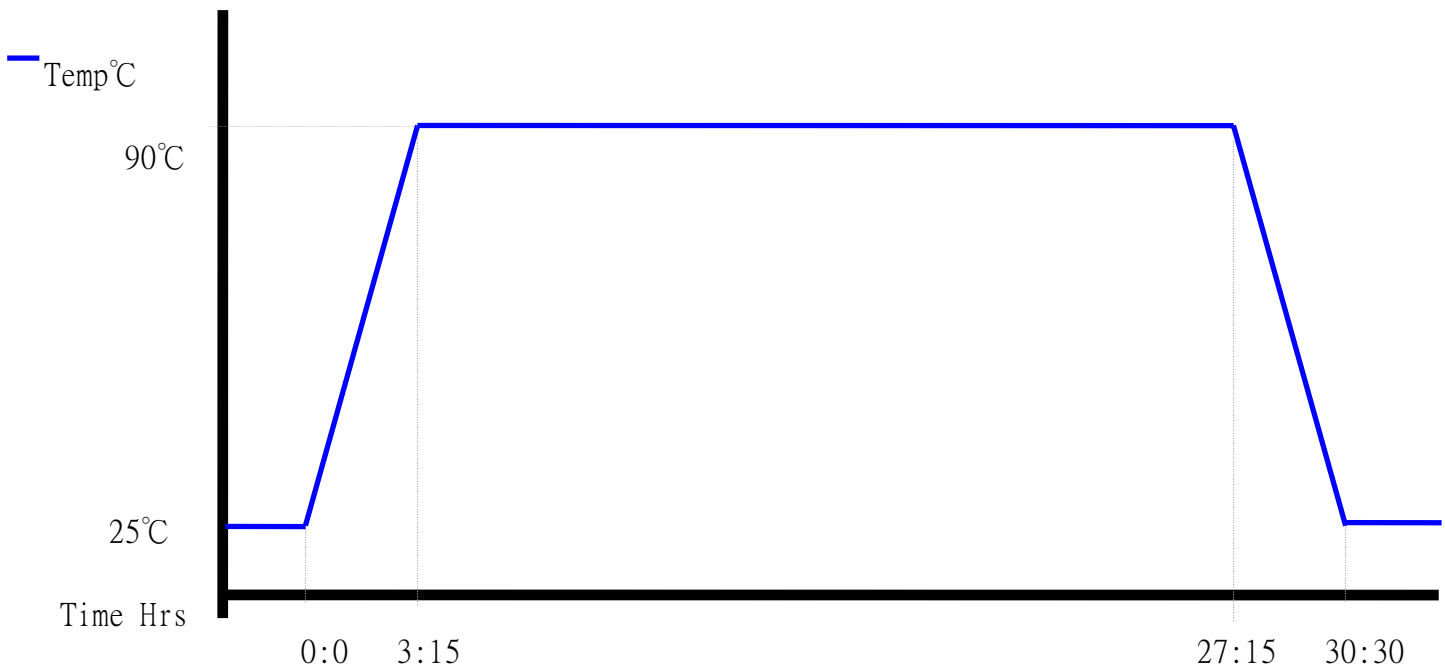
**Test Date :** June 24, 2002 ~ June 25, 2002  
**Test Site :** Advantech QA Environment Lab  
**Performed By :** Charles Chang

**Purpose:** Customer's individual request

**Test Standard :** Reference IEC68-2-2 Testing procedures  
Test Bb : Dry heat Test

**Test Condition :**

1. Test Temperature : 90°C
2. Test Times : 24Hrs
3. Test Software : Running soft-MPEG file in Win98  
Kpower program for CPU test
4. Test Environment Curve :



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**Test Equipment :** Programmable Temperature & Humidity Chamber  
GIANT FORCE Tech. Corp..  
Model : GTH-408401P  
Date of Calibration : 04/16/2002

**Sample Configuration & Quantity Under Test :**

Using one PCA-6751A CPU board with the following options installed:

1. M/B : PCA-6751A B1 01-1
2. CPU : Tillamook-MMX 166MHz
3. RAM : KINGMAX PC133 256MB
4. Core Logic : FW82439TX  
FW82371EB
5. Clock : 48S87-04H
6. VGA : Chips B69000B4
7. LAN : GD82559
8. I/O : W83977EF
9. HDD : Seagate ST310211A 10G
10. Power supply : APP4500 450W

**Performance Criteria :**

Electronic function check:

1. All system functions must be checked with appropriate testing programs and should pass the inspection.
2. Running Win98 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.

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**Test Result :**

1. System function is normal and no any damage or degradation.
2. Performance is maintained with no incurable physical damage or degradation.
3. There is no damage in mechanical functions degradation has not been found.

**Conclusion :**

**Passed.**

The PCA-6751A CPU board meets 90°C high temperature operation test.