



# AES-6100 rev.B (PCM-6892) Environment Test Report

Report NO : 03E020051

Issued by:

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07/31/2003

Date

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07/31/2003

Date

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AES-6100 ver:B (PCM-6892)

Test Date: 12-24~12-26-2002

Test Product: AES-6100 rev.B Industrial Mini.PC System (PCM-6892)

Test Site: AAEON DV Internal Lab.

Performed By : Rex Chang

**Test Standard :**

Reference IEC 68-2-61 Testing procedures  
 Test Z/ABD : Climatic Sequence Test

**Test Equipment:**

Programmable Temperature & Humidity Chamber  
 K.SON. INS. TECH. CORP.  
 Model : THS-D4H+-100  
 Date of Calibration : 06/10/02  
 Serial Number: 1241

**Temperature Measurement :**

20 Channel Thermal Recorder:  
 YOKOGAWA Inc,  
 Model : DA100-13-1D  
 Date of Calibration : 01/03/02  
 Serial Number: 12A323190

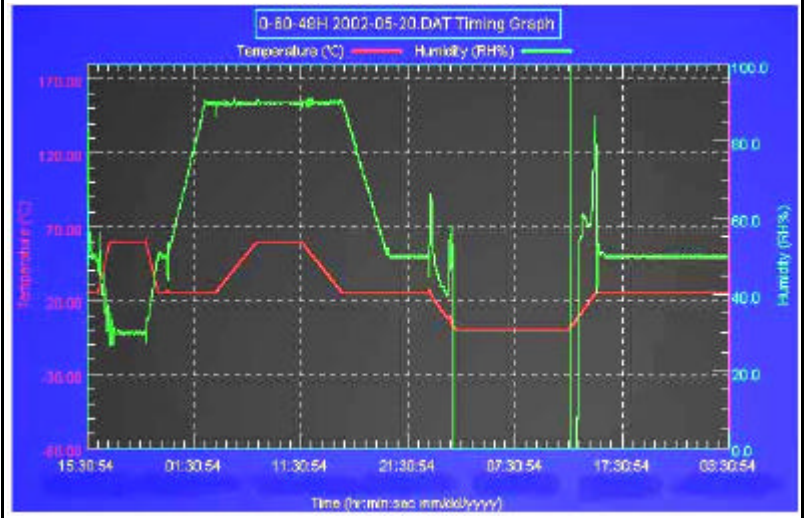
**Test Item:**

1. Test Software: Windows media Player (Video test soft-MPEG form HDD)
2. Test Environment Curve:

**Testing Specification**

Step	Temperature ( )	Humidity (%RH)	Duration (HH:MM)
1	25	50	00:30
2	25	50	00:30
3	60	30	01:10
4	60	30	03:20
5	25	50	01:10
6	25	50	00:50
7	25	90	03:30
8	25	90	01:00
9	60	90	03:53
10	60	90	04:07
11	25	90	03:53
12	25	50	04:07
13	25	50	03:30
14	25	50	00:30
15	0	0	02:30
16	0	0	10:30
17	25	50	02:30
18	25	50	00:30

**Test Curve:**

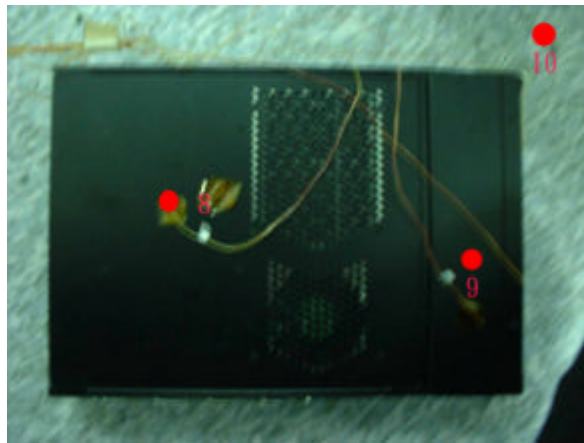
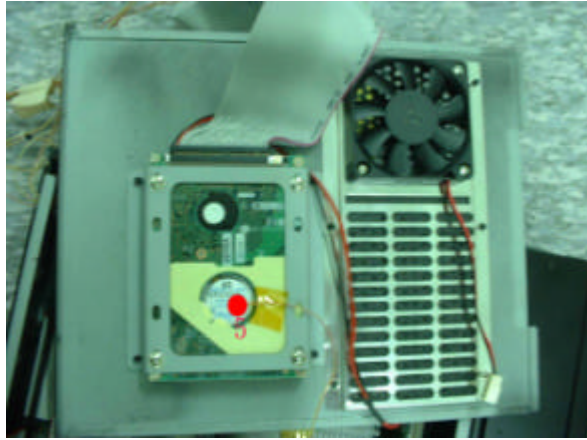
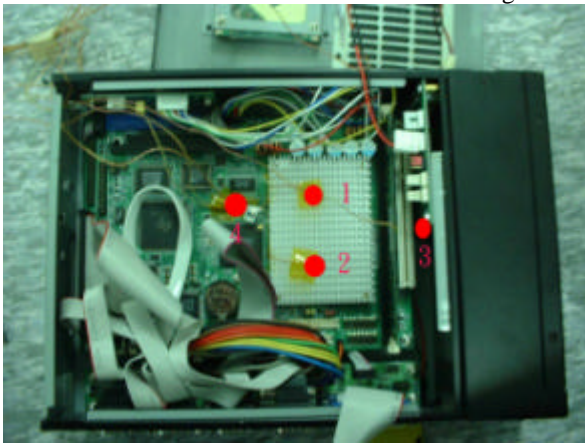


**Sample Configuration & Quantity Under Test:**

1. CPU : Onboard CPU 667MHz (Bios Ver.1.0)
2. SDRAM : 64MB NEC D4564841G5-A80-9JF (PC-100)

**Temperature Recorder:**

**Measuring Accelerometer Position:**



Point	Temp. Stage		
	60	25	0
1.VIA 667MHz CPU	98.1	61.9	35.7
2.S3-VIA VT8606	97.6	61.7	35.7
3.Memory	94.1	59.7	34.9
4.Control Box.Inside air temperature	84.2	47.9	21.5
5.HDD	74.3	39.7	15.1
6. Power Box.Inside air temperature(1)	66.0	30.8	6.2
7.Power Box.Inside air temperature(2)	67.5	32.7	8.2
8.Control Box Surface	64.9	29.9	5.0
9.Power Box Surface	65.6	30.5	5.6
10.Chamber air temperature	62.5	27.9	2.1

**Test Result:**

**Passed.**

The AES -6100 rev.B Industrial Mini.PC System meets temperature cycle test

**AES-6100 ver:B (PCM-6892)**

**Test Date:** 07-21~23-2003

**Test Product:** AES-6100 ver:B Industrial Mini.PC System(PCM-6892).

**Test Site:** AAEON DV Internal Lab.

**Performed By :** Rex Chang

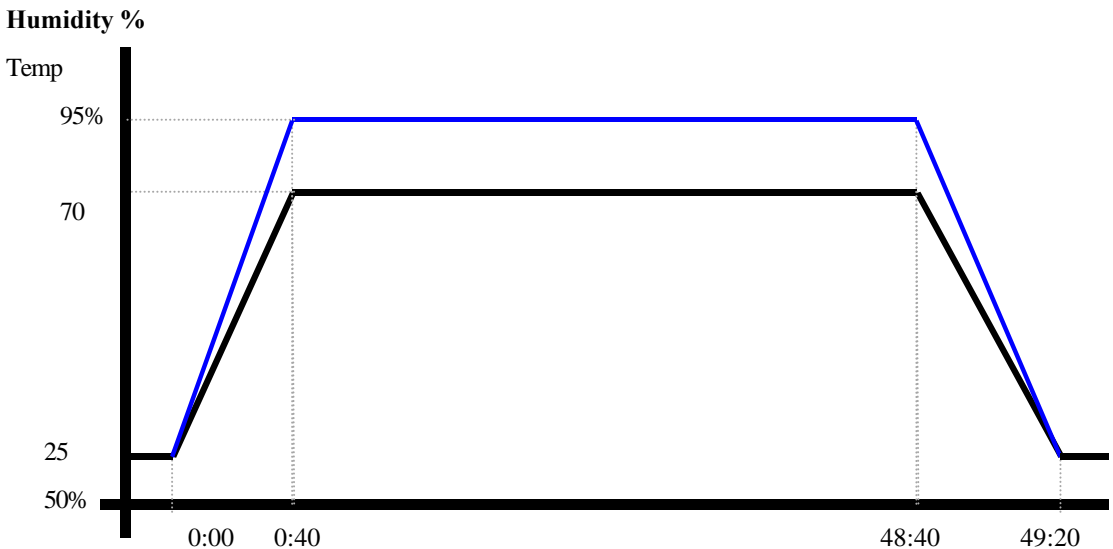
**Test Standard :** Reference IEC 68-2-56 Testing procedures  
Test Cb : Damp Heat Steady State Test (Non-operation)

**Test Equipment:**

Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model : THS-D4L+-100  
Date of Calibration : 10/28/02  
Serial Number: 2582

**Testing Item:**

1. Test Temperature: 70
2. Test Humidity : 95%RH
3. Test Times: 48Hrs
4. Test Software : Windows media Player (Video test soft-MPEG form HDD)
5. Test Environment Curve:



**Sample Configuration & Quantity Under Test:**

Quantity: 1 (AES-6100 ver:B Industrial Mini.PC System )

**Test Result:**

**Passed.**

The AES -6100 ver:B Industrial Mini.PC System meets High temp./Humidity storage test.

AES-6100 ver:B (PCM-6892)

**Test Date:** 07-29~31-2003**Test Product:** AES-6100 rev.B Industrial Mini.PC System (PCM-6892)**Test Site:** AAEON DV Internal Lab.**Performed By :** Rex Chang**Test Standard :** Reference IEC 68-2-1  
Testing procedures Test Ab : Cold Test (Non-operation)**Test Equipment:**

Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model : THS-D4H+-100  
Date of Calibration : 10/28/02  
Serial Number: 2582

**Testing Item:**

1. Test Temperature : -20
2. Test Times : 48Hrs
3. Test Software : Windows media Player (Video test soft-MPEG form HDD)
4. Test Environment Curve :

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (AES-6100 ver:B Industrial Mini.PC System)

**Test Result:****Passed.**

The AES-6100 ver:B Industrial Mini.PC System meets Low temperature storage test.

AES-6100 ver:B (PCM-6892)

**Test Date:** 07-17-2003

**Test Product:** AES-6100 rev.B Industrial Mini.PC System (PCM-6892)

**Test Site:** AAEON DV Internal Lab.

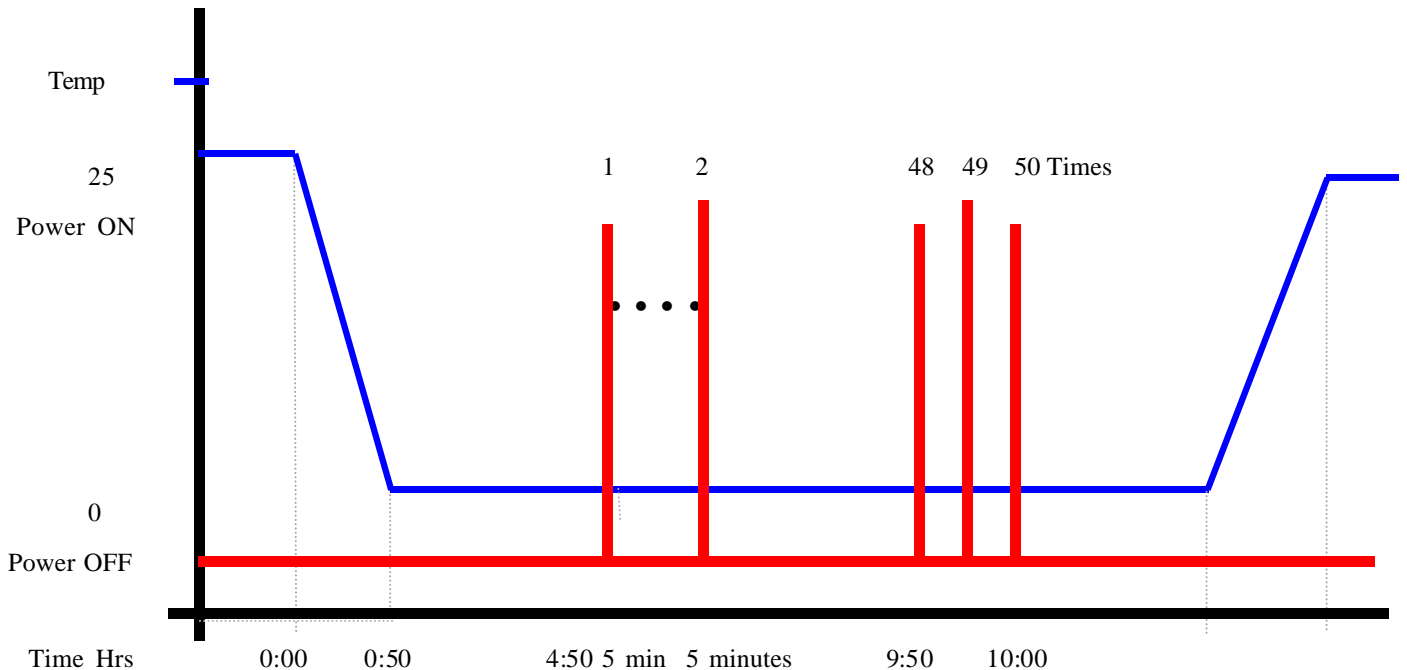
**Performed By :** Rex Chang

**Test Standard :** Reference IEC 68-2-1 Testing procedures  
Test Ab : Cold Test

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model : THS-D4H+-100  
Date of Calibration : 06/03/02  
Serial Number: 1241

**Test Condition :**

- 1. Test Temperature : 0
- 2. Test Times : 5Hrs  
Power off 4 hours before first time power on  
Power off to next power on between 10 minutes
- 3. Number of test : 50 times
- 4. Test Software : Windows98SE
- 5. Test Environment Curve :



AES-6100 ver:B (PCM-6892)

**Sample Configuration & Quantity Under Test:**

Quantity: 1 (AES-6100 ver:B Industrial Mini.PC System)

**Test Result:**

**Passed.**

The AES -6100 ver:B Industrial Mini.PC System meets cold start test.