



**Computing Platform Service Partner**

# COM-KB A0.2

## Temperature/Humidity Test Report

Report NO:

Summary	<p><input checked="" type="checkbox"/> pass</p> <p><input type="checkbox"/> Fail</p> <p>Note : There is/are ____ defect(s) not list in the report, please check it in the DTS Website.</p> <p><input type="checkbox"/> Pass with Deviation</p> <p>Comment:</p>

**Issue date**

**2013-10-04**

**Approval**

**Benson Lee**

**Test Engineer**

**Richard Wu**

# Test item list

- |  |   |
|--|---|
| 1. <i>Test item list</i> -----                       | 2 |
| 2. <i>Configuration of EUT</i> -----                 | 3 |
| 3. <i>Temp./humidity power on/off test</i> -----     | 4 |
| 4. <i>Temperature variation operation test</i> ----- | 5 |
| 5. <i>Cold start and hot start test</i> -----        | 6 |

## Testing Result

Num	Test item list	Result	Remark
1	Temp./humidity power on/off test	Pass	
2	Temperature variation operation test	Pass	
3	Cold start and hot start test	Pass	

# Configuration of EUT

## Test Product: COM-KB A0.2 + ECB-920 A0.3

### Sample Configuration & Quantity Under Test:

1. CPU: Onboard AMD Kabini Processor 2.0GHz (Bios Ver. 0.J)
2. Chipset: AMD Kabini
3. VGA: AMD Kabini processor integrated
4. Memory: SODIMM Transcend 8GB 1600 (DDR3L)
5. HDD: Seagate ST3500413AS 500GB SATA Gen3
6. SSD: NA
7. Test Software: Windows 7 / Run PassMark Burn In Test Pro 7.1
8. Carrier Board: ECB-920 A0.3
9. AT Power Supply: HG2-6300P
10. Cooler:



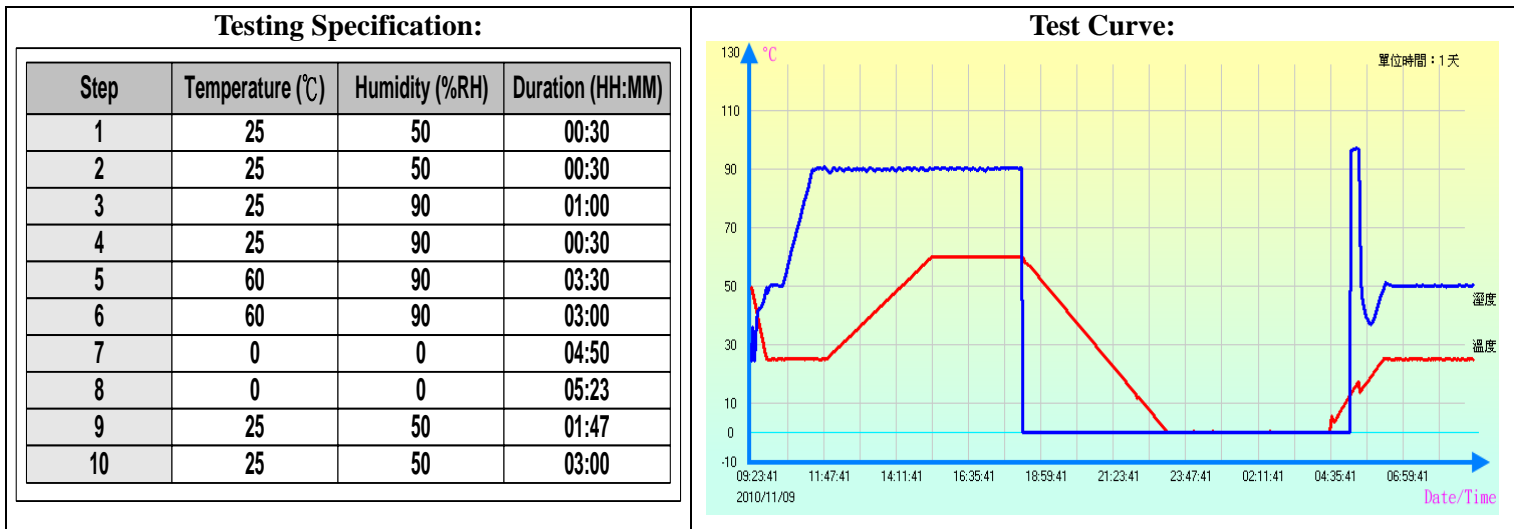
**Test Date:** 10-01~02-2013

**Test Site:** AAEON Taichung Internal Lab

**Test Standard:** Reference IEC 68-2-30 Testing procedures  
Test Db: Damp Heat Test

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
TERCHY TECH. CORP.  
Model: MHU-150L  
Date of Calibration: 2013/01/18  
Serial Number: 880813

**Temperature & Humidity Power On/Off Test:**



**Test Result:**

No problem was found during the temperature & humidity power on/off test.

Test Method	Actual	Successful	Failure rate
Power On/Off	1441/times	1441/times	0 %
Note: Failure rate need to 0%.			

**Test Date:** 10-02~03-2013

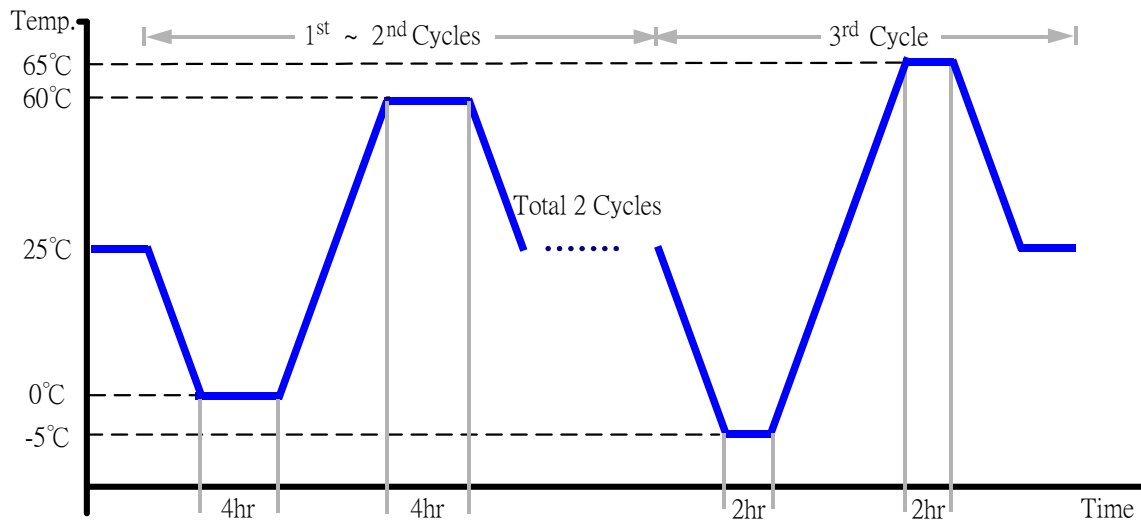
**Test Site:** AAEON Taichung Internal Lab

**Test Standard:** Reference IEC 68-2-14 Testing procedures  
Test N: Change of temperature Test

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
TERCHY TECH. CORP.  
Model: MHU-150L  
Date of Calibration: 2013/01/18  
Serial Number: 880813

### Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0°C (1~2 cycles)  
-5°C (3<sup>rd</sup> cycle)
2. Test High Temperature: 60°C (1~2 cycles)  
65°C (3<sup>rd</sup> cycle)
3. Test dwell time: 4Hrs (1~2 cycles)  
2Hrs (3<sup>rd</sup> cycle)
4. Temperature slope: 2°C/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



### Test Result:

No problem was found during the temperature variation operation test.

# Cold start and hot start test

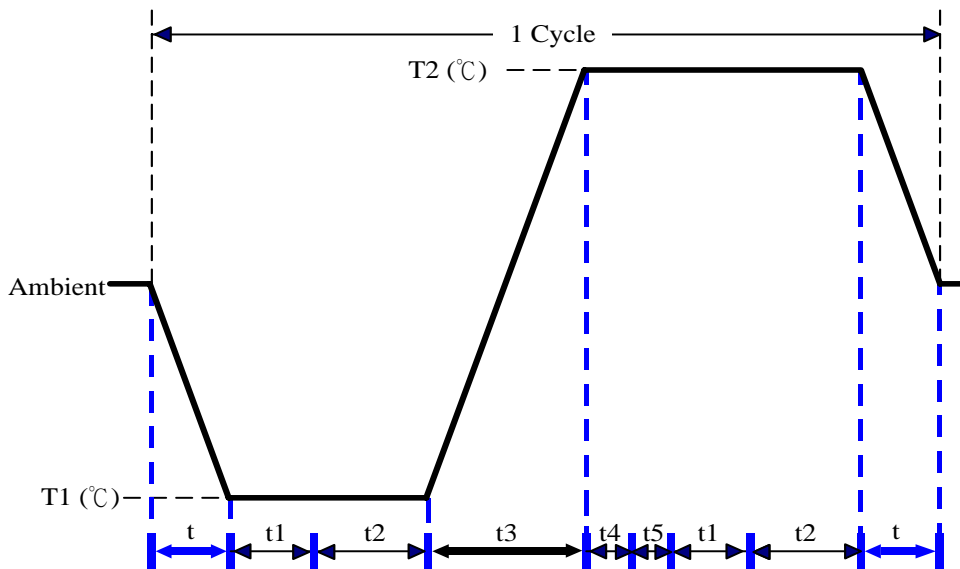
**Test Date:** 10-03~04-2013

**Test Site:** AAEON Taichung Internal Lab

**Test Standard:** Reference IEC 68-2-14 Testing procedures  
Test N: Change of temperature Test

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
TERCHY TECH. CORP.  
Model: MHU-150L  
Date of Calibration: 2013/01/18  
Serial Number: 880813

**Test Condition:**



Parameters	Description
T1	-5°C
T2	65°C
t1	1 hrs
t2	2 hrs
t4, t5	30 min
t, t3	2°C/min
n (Cycle)	1

t,t3 = temprature slope  
t, t1: Power Off  
t2: Power on/off test 10 times (on 2 min / off 5min)  
t3,t4: Run PassMark Burn In Test  
t5: Win XP Software restart test 2 times  
Test Software:Windows XP

**Test Result:**

- a. No problem was found during the cold start test.
- b. No problem was found during the hot start test.