



# Test item list

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## Test Product: EMB-9658T A0.5

### Sample Configuration & Quantity Under Test:

1. CPU: Intel Core 2 Duo T8300 / 2.4GHz (Bios Ver.0.F)
2. Chipset: Intel GM965 / ICH8M
3. VGA: Intel GM965
4. Memory: Transcend 1GB \* 2 / ELPIDA E5108AJBG (DDR2-667)
5. CFD: PQI 32MB
6. SATA HDD: Seagate 380815AS / 80GB
7. Test Software: Windows XP / Run PassMark Burn In Test Pro 4.0
8. AT Power Supply: Zippy SP2-4300F
9. CPU Cooler:



# Temp./humidity power on/off test

**Test Date:** 06-06~07-2009

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

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

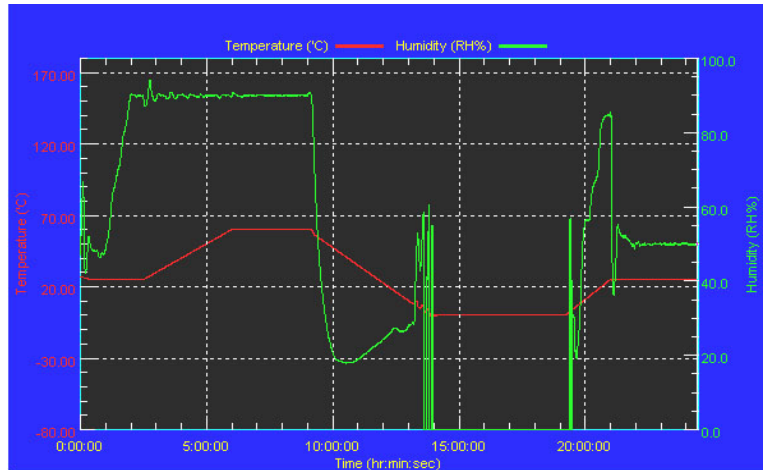
**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model: THS-B6T-150+LN2  
Date of Calibration: 04/10/09  
Serial Number: 6487KT

## Temperature & Humidity Power On/Off Test:

### Testing Specification:

Step	Temperature (°C)	Humidity (%RH)	Duration (HH:MM)
1	25	50	00:30
2	25	50	00:30
3	25	90	01:00
4	25	90	00:30
5	60	90	03:30
6	60	90	03:00
7	0	0	04:50
8	0	0	05:23
9	25	50	01:47
10	25	50	03:00

### Test Curve:



### Test Result:

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

**Test Date:** 06-04~05-2009

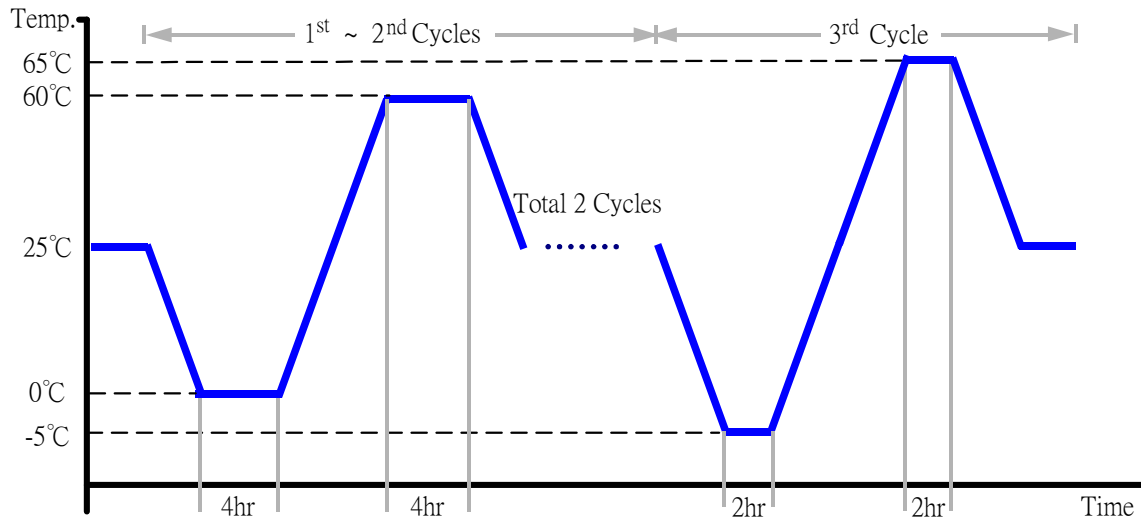
**Test Site:** AAEON QA Internal Lab.

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

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model: THS-B6T-150+LN2  
Date of Calibration: 04/10/09  
Serial Number: 6487KT

### 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:** 06-06-2009

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

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

**Test Equipment:**  
Programmable Temperature & Humidity Chamber  
K.SON. INS. TECH. CORP.  
Model: THS-B6T-150+LN2  
Date of Calibration: 04/10/09  
Serial Number: 6487KT

**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.