

# GENE-BT07

PCB Rev. A0.1\_0\_0

## Temperature/Humidity Test Report

Report NO:

<b>Summary</b>	<p><input checked="" type="checkbox"/> Pass <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>
----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Issue date

2015-07-07

Approval

Chienkow Liao

Test Engineer

Ray Lin

# Test item list

---

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

## Testing Result

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

# Configuration of EUT

## Test Product: GENE-BT07 A0.1

### Sample Configuration & Quantity Under Test:

1. CPU: Intel Bay-Trail J1900 (2GHz)
2. Chipset: N/A
3. VGA: Intel HD Graphics (688~854MHz)
4. Memory: DSL DDR3L 1333 4GB
5. USB: Transcend 8GB (For Power On/Off test)
6. SATA HD: INNODISK 32G mSATA (Burn in test)
7. Test Software: Windows 8.1 / Run PassMark Burn In Test Professional Edition v8.0
8. Power Supply: HG2-6400P
9. Cooler: As the following picture.
10. BIOS: GBT7AM01



# Temp./humidity power on/off test

**Test Date:** 2015-07-02~07-03

**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

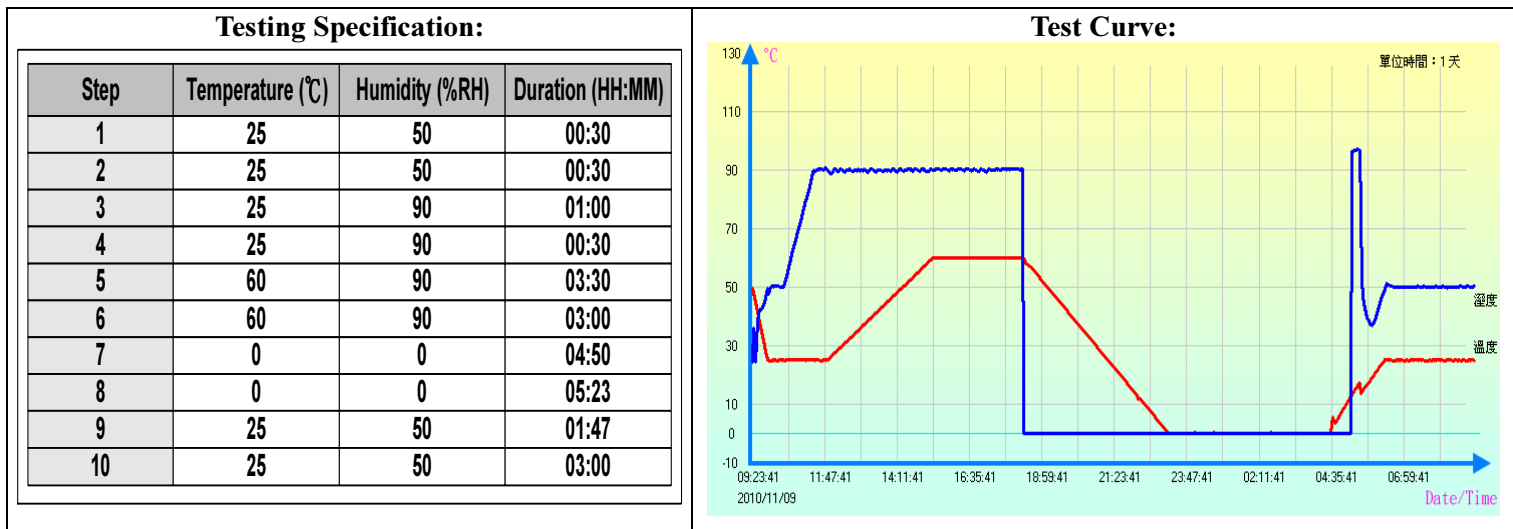
TERCHY. TECH. CORP.

Model: MHU-150L

Date of Calibration: 2015/03/16

Serial Number: 961138

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



**Test Result:**

No issues were found during the temperature & humidity power on/off test.

Test Method	Actual	Successful	Failure rate
Power On/Off	<b>1997/ times</b>	<b>1997/ times</b>	<b>0 %</b>
Note: Failure rate need to under 0.0%.			

# Temperature variation operation test

**Test Date:** 2015-06-30~07-01

**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.

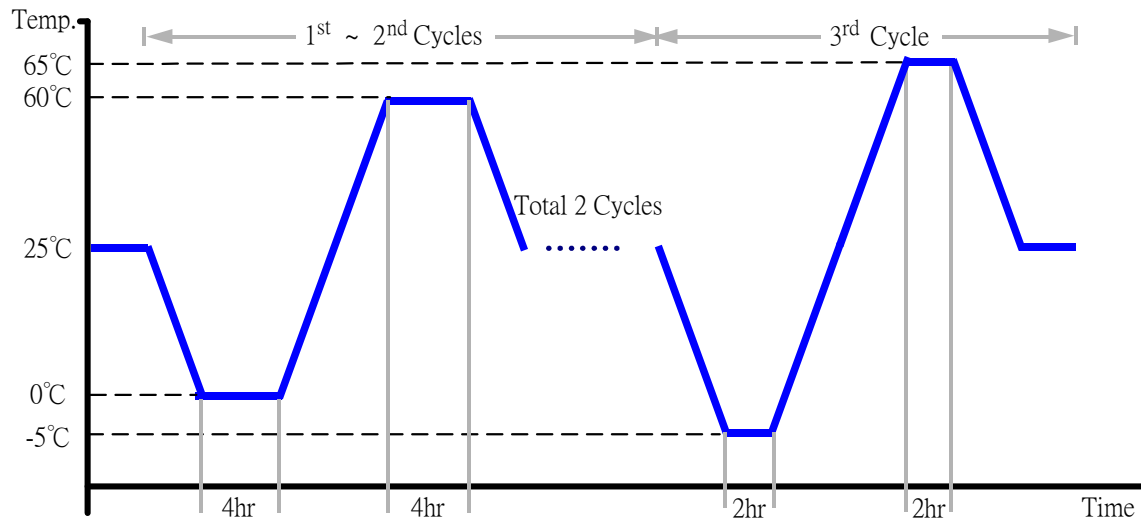
Model: MHU-150L

Date of Calibration: 2015/03/16

Serial Number: 961138

**Temperature & Humidity Cycle Test:**

1. Test Low Temperature: **0°C** (1<sup>st</sup>~2<sup>nd</sup> cycles)  
**-5°C** (3<sup>rd</sup> cycle)
2. Test High Temperature: **60°C** (1<sup>st</sup>~2<sup>nd</sup> cycles)  
**65°C** (3<sup>rd</sup> cycle)
3. Test dwell time: **4Hrs** (1<sup>st</sup>~2<sup>nd</sup> 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 issues were found during the temperature variation operation test.

# Cold start and hot start test

**Test Date:** 2015-07-06~07-07

**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

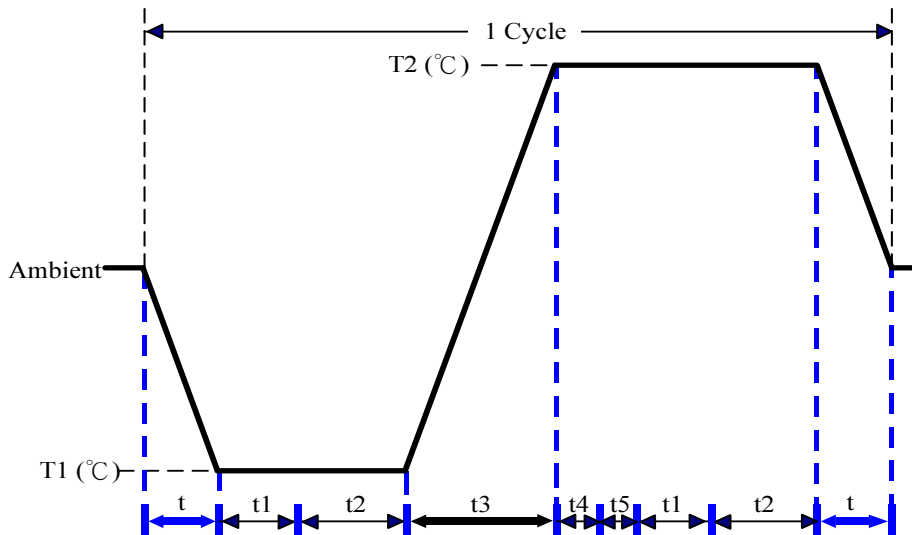
TERCHY. TECH. CORP.

Model: MHU-150L

Date of Calibration: 2015/03/16

Serial Number: 961138

**Test Condition:**



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

t, t3: Temperature Slope

t, t1: Power Off

t2: Power On/Off test 10 times (On 2 mins / Off 5 mins)

t5: Windows soft restart test 2 times

Test software: Windows 8.1

**Test Result:**

- a. No issues were found during the cold start test.
- b. No issues were found during the hot start test.