

GENE-TC05

PCB Rev. A0.4

Temperature/Humidity Test Report

Report NO:

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

Issue date

2011-10-06

Approval

Benson Lee

Test Engineer

YungTang Lin

Test item list

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Testing Result

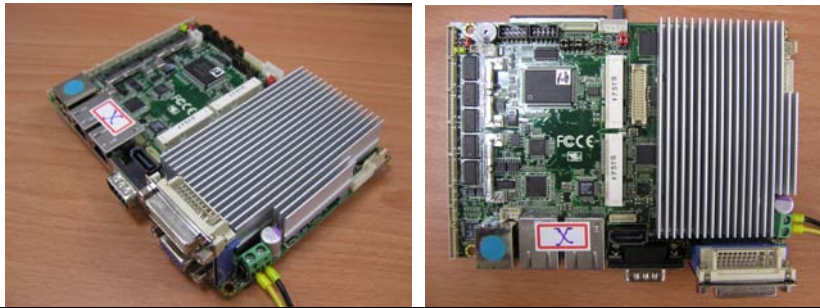
Num	Test item list	Result	Remark
1	Temp./humidity power on/off test	Pass	
2	Temperature variation operation test	Pass	
3	Cold start and hot start test	Pass	

Configuration of EUT

Test Product: GENE-TC05 A0.4

Sample Configuration & Quantity Under Test:

1. CPU: Intel Atom E680 (Bios: A0.42)
2. Chipset: Intel Topcliff
3. VGA: Intel Atom E680
4. Memory: Onboard 1G SAMSUNG.K4T1G084QF-BCF7 (DDR2)
5. Industrial CFast:4GB (For Burn In Test)
6. USB Flash:Transcend 4GB(For Power ON/OFF Test)
7. Test Software: Windows XP / Run PassMark Burn In Test Pro 6.0
8. AT Power Supply: Snake SPD-300WS to ATX Mode
9. Heat Sink



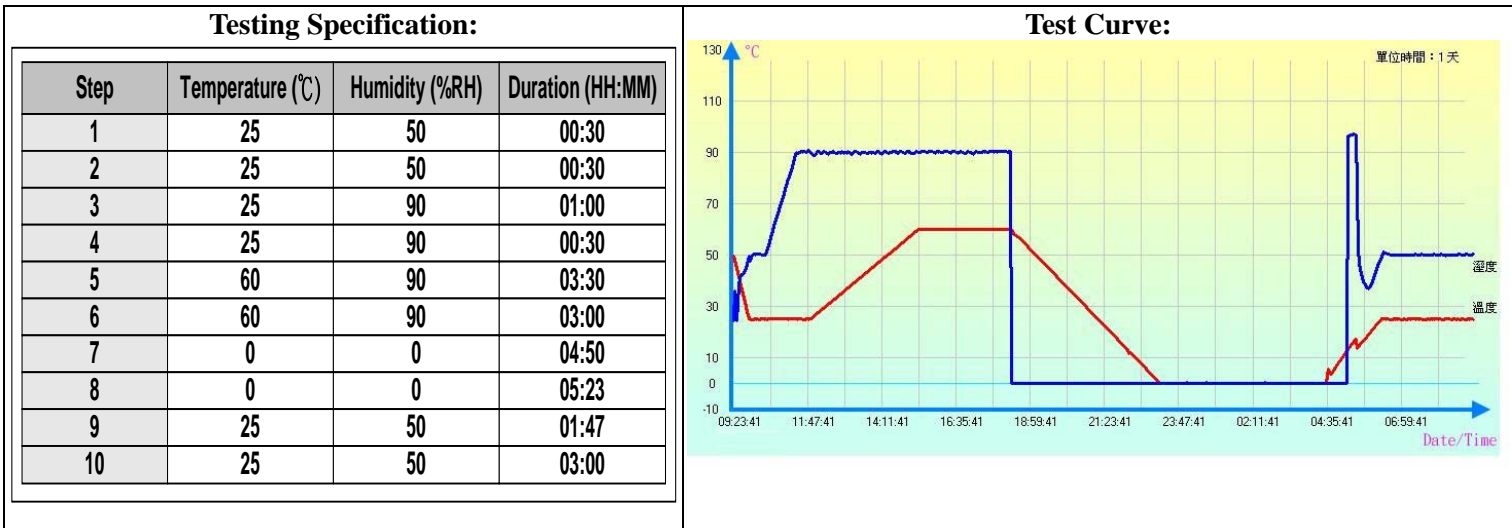
Test Date: 10-21-2011

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: 2011/01/14
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	1503/times	1502/times	0.06 %
Note: Failure rate need to under 0.2%.			

Test Date: 10-04~05-2011

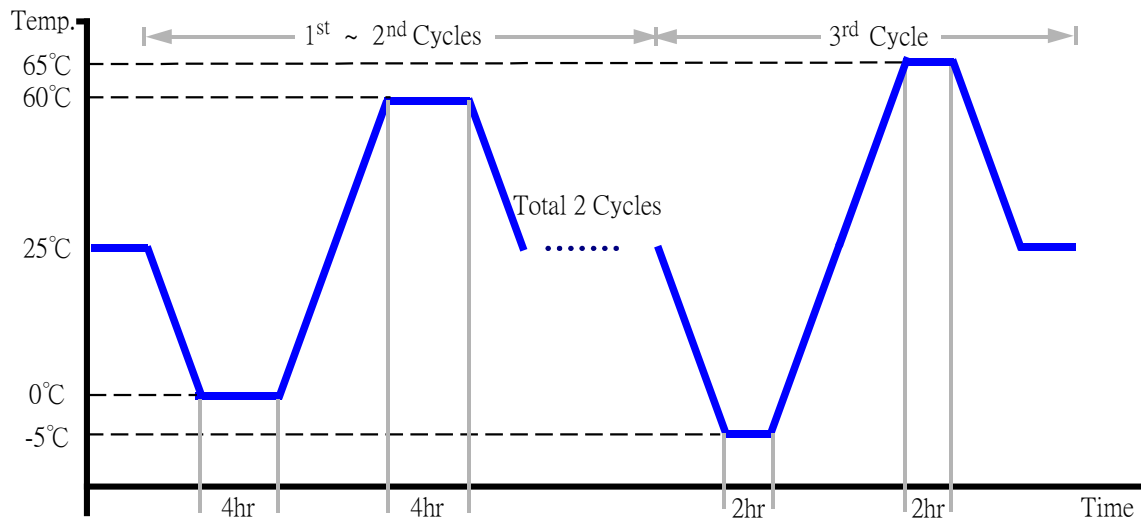
Test Site: AAEON Taichung Internal Lab

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: 2011/01/14
Serial Number: 880813

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0°C (1~2 cycles)
-5°C (3rd cycle)
2. Test High Temperature: 60°C (1~2 cycles)
65°C (3rd cycle)
3. Test dwell time: 4Hrs (1~2 cycles)
2Hrs (3rd 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

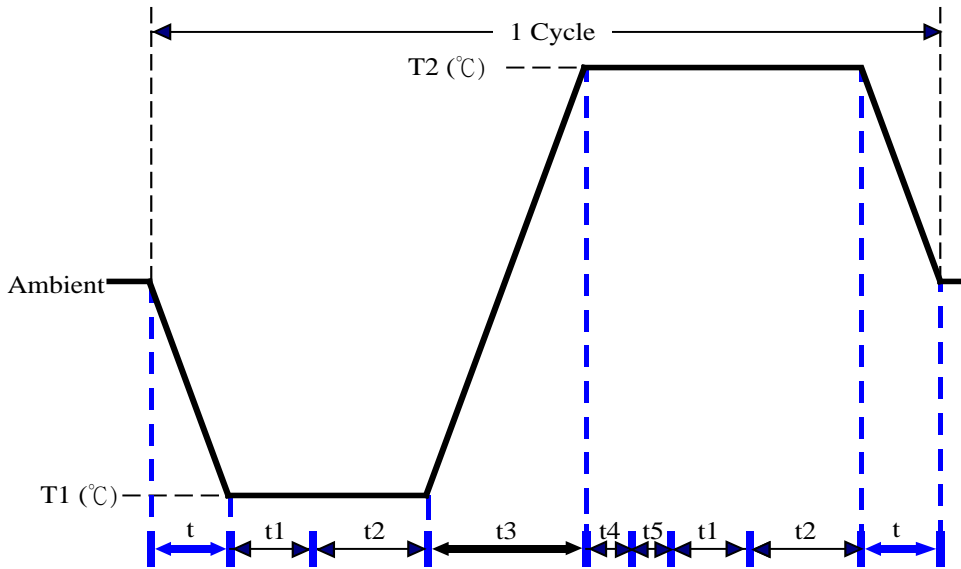
Test Date: 10-05-2011

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: 2011/01/14
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.