

COM-CV

PCB Rev. A0.2

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

Issue date

2012-03-07

Approval

Benson Lee

Test Engineer

Harry Lai

Test item list

- | | |
|--|---|
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Testing Result

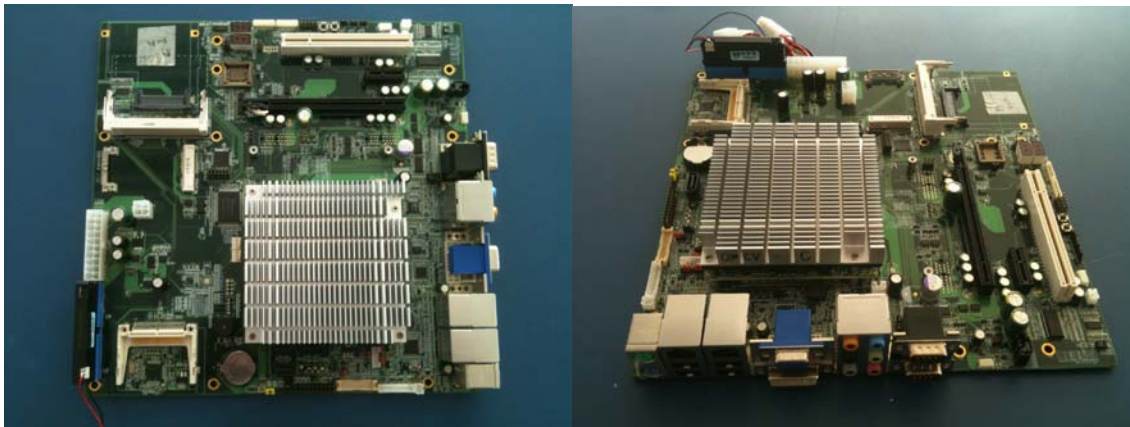
Num	Test item list	Result	Remark
1	Temp./humidity power on/off test	Pass	
2	Temperature variation operation test	Pass	
3	Cold start and hot start test	Pass	

Configuration of EUT

Test Product: COM-CV A0.2

Sample Configuration & Quantity Under Test:

1. CPU: Intel Atom series D2700
2. Chipset: Intel NM10 Chipset
3. VGA: Intel HD Graphics
4. Memory: Kingston KVR1066D3S7 /4GB
5. BIOS Reversion: COM-CV BIOS R0.6
6. DOM(IDE interface): Transcend / 1GB (for Power On/Off test)
7. SATA HDD: Seagate ST3500413AS /500GB
8. Test Software: Windows 7 x32 with SP1/ Run PassMark BurnInTest Pro v7.0 build 1009
9. Power Supply: /HEC R350UV (ATX-Mode)
10. Heat sink + heat spreader



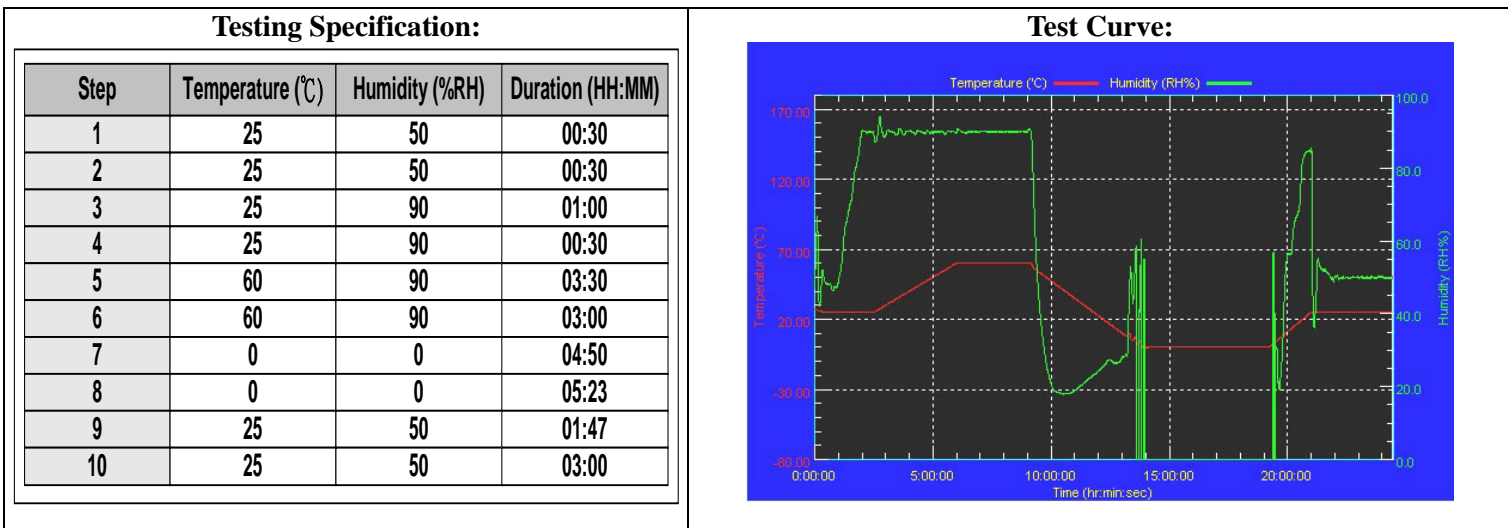
Test Date: 2012-03-06~03-07

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: 2012/01/09
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	1402/times	1402/times	0 %

Note: Failure rate need to under 0.2%.

Test Date: 2012-02-16~02-17

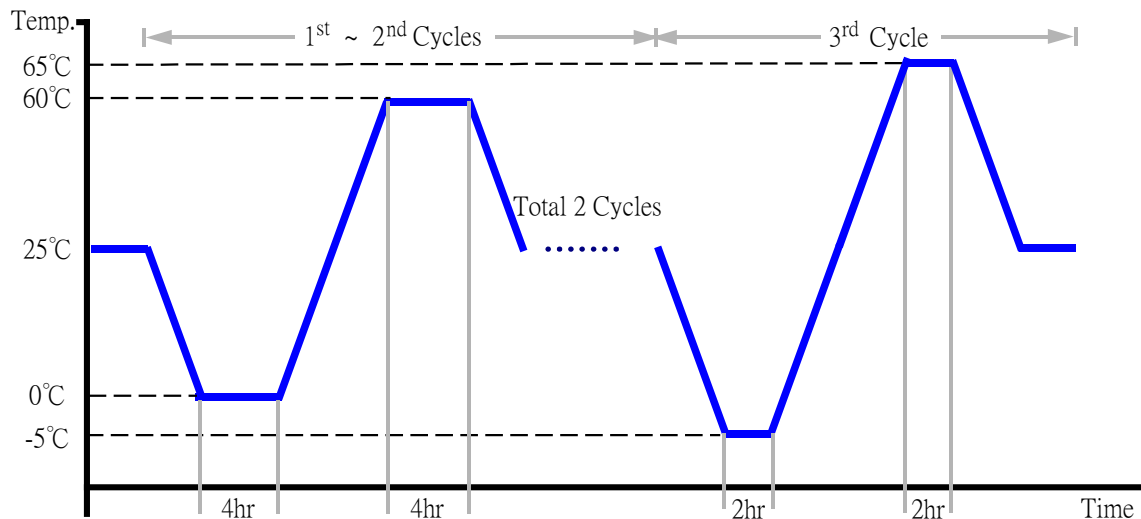
Test Site: AAEON Taichung Internal Lab

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: 2012/01/09
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.

Test Date: 2012-02-20

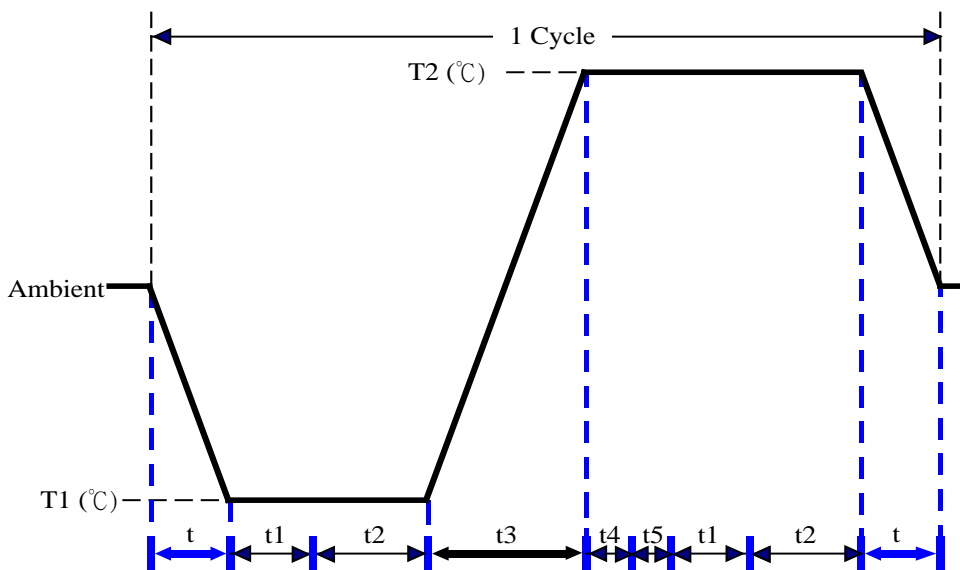
Test Site: AAEON Taichung Internal Lab

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: 2012/01/09
Serial Number: 880813

Test Condition:



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

t, t_3 = temperature slope

t, t_1 : Power Off

t_2 Power On Off test 10 times (On 2 mins / Off 5 mins)

t_5 : Windows soft restart test 2 times

Test software: Windows 7 Ultimate x32 Edition

Test Result:

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