

PER-T263

Atom D2550 CPU

Temperature/Humidity Test Report

Report NO: 14P020006

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>
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Issue date

2014-02-25

Approval

Tom Lin

Test Engineer

Jerry Chen

Test item list

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 2. *Configuration of EUT* ----- 3
 3. *Temperature variation operation test* ----- 4
 4. *Cold start and hot start test* ----- 5

Testing Result

Num	Test item list	Result	Remark
1	Temperature variation operation test	Pass	
2	Cold start and hot start test	Pass	

Configuration of EUT

Test Product: PER-T263 A1.0

Sample Configuration & Quantity Under Test:

1. CPU: Intel Atom D2550 / 1.86GHz
2. BIOS Ver. AEC-6613 R1.2(6613AM12)(02/06/2013)
3. Memory: DSL 4GB / DDR3 1066 / ELPIDA / J2108BDBG-DJ-F
4. 3.5" SATA HDD: iNNODisk FiD 2.5" / 30GB
5. Test Software: Windows 7 / Run EtroCenter with Camera*4
6. Adapter: FSP084-DMAA1 / 12V 7A
7. Board Photo:



Temperature variation operation test

Test Date: 02-19 ~ 20-2014

Test Site: AAEON QE Dept.

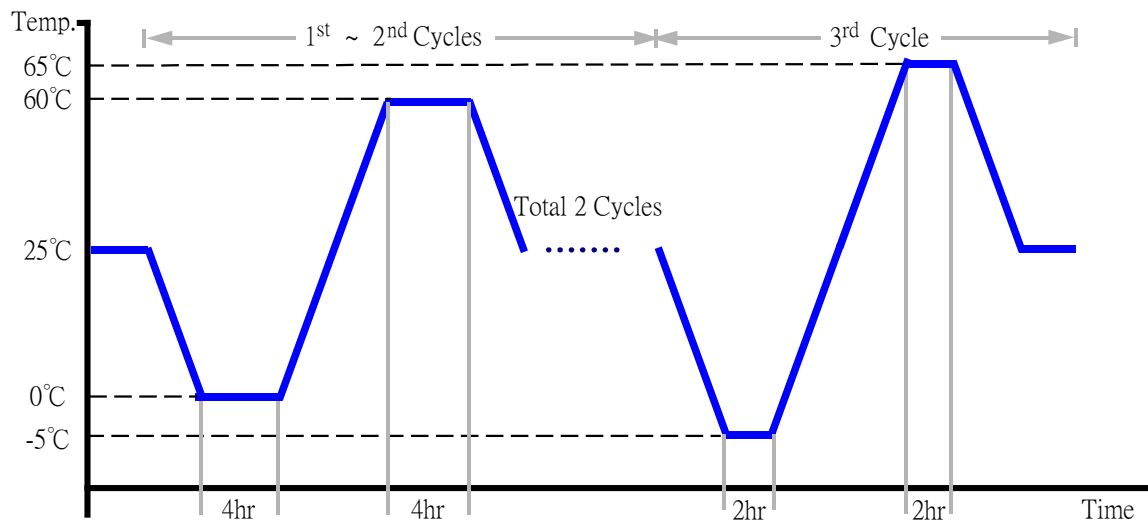
Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber (K.SON. INS. TECH. CORP.)
Model: THS-B6T-150+LN2
Date of Calibration: 03/07/13
Serial Number: 6488KT

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 issues were found during the temperature variation operation test.

Cold start and hot start test

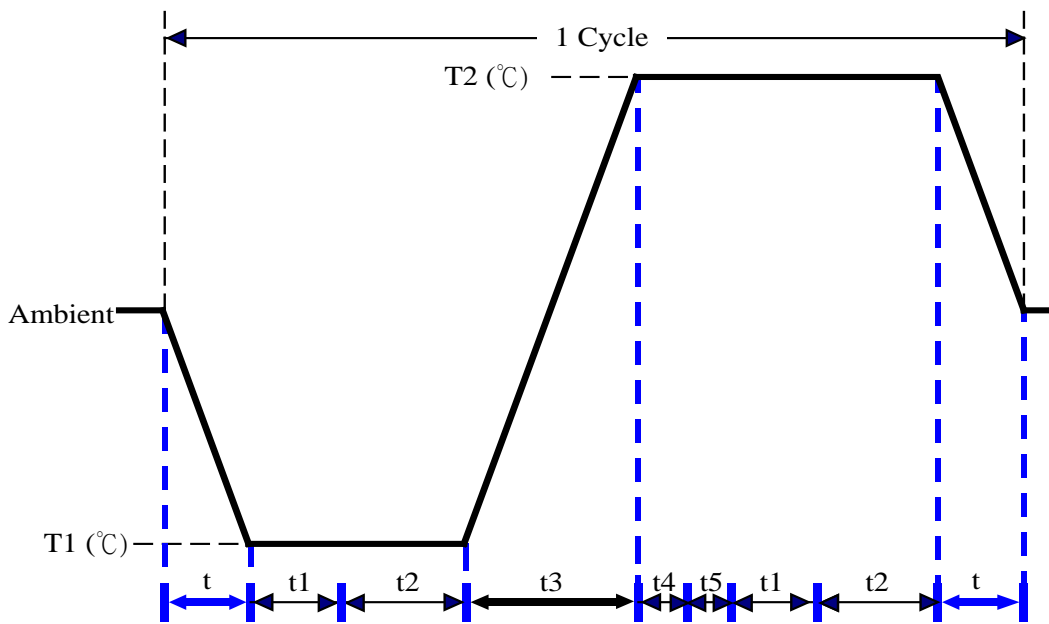
Test Date: 02-20 ~ 21-2014

Test Site: AAEON QE Dept.

Test Standard: Refer to 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: 03/07/13
Serial Number: 6488KT

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: Windows 7 Software restart test 2 times
Test Software:Windows 7

Test Result:

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