



Computing Platform Service Partner

XTX-U15B

Temperature/Humidity Test Report

Report NO: 10E020033

Issued by: Rex Chang / 10/13/2010

Test Engineer Date

Reviewed by: Jansin Lee / 10/13/2010

Sr. Manager Date

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: XTX-U15B A0.4

Sample Configuration & Quantity Under Test:

1. CPU: Intel Atom Z530 / 1.60MHz (Bios Ver.1.0)
2. Chipset: Intel Poulsbo XL Premium US15W
3. VGA: PER-V07B A0.1(SDVO to DVI)
4. Memory: Transcend 1G / ELPIDA E5108AJBG / DDR2 667
5. SSD: Onboard NAND Driver / 85LD1004T /4GB
6. Test Software: Windows XP / Run PassMark Burn In Test Pro 4.0
7. Carrier Board: ECB-910M A0.3
8. ATX Power Supply: Seventeam ATX Power 400W ST-400EAG-05F
9. Heat Sink:



Test Date: 10/12~10/12 /2010

Test Site: AAEON QA Internal Lab.

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

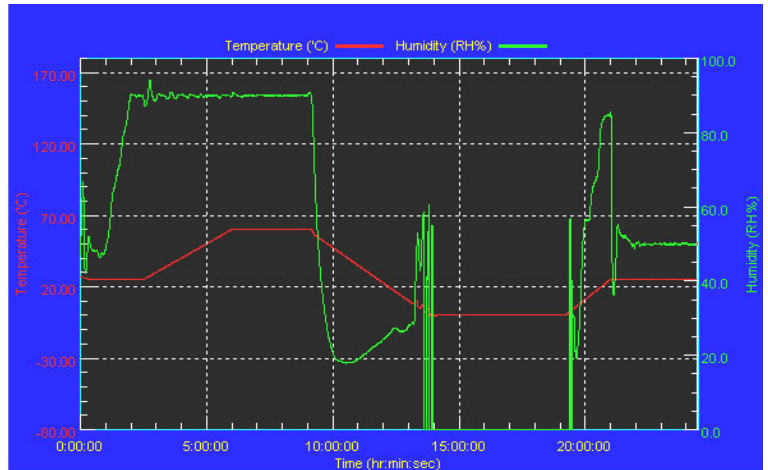
Test Equipment:
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D4H+-100
Date of Calibration: 11/12/09
Serial Number: 2582

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:

Power on/off test: failed one time, once at 60°C.

Test Method	Actual	Successful	Failure rate
Power On/Off	1236/times	1236/times	0 %
Note: Failure rate need to under 0.2%.			

Test Date: 10/06~10/07 /2010

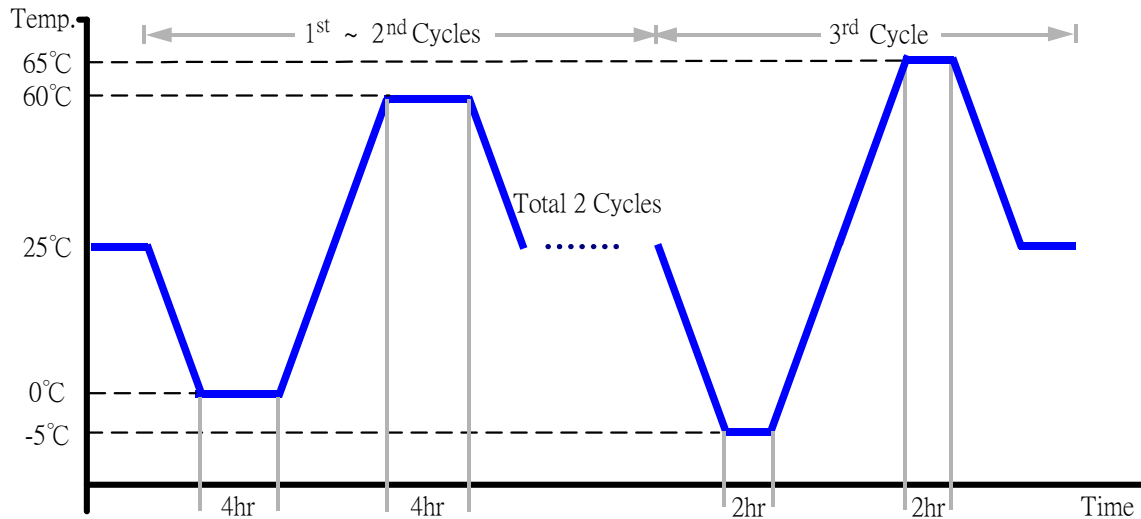
Test Site: AAEON QA Internal Lab.

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-D4H+-100
Date of Calibration: 11/12/09
Serial Number: 2582

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

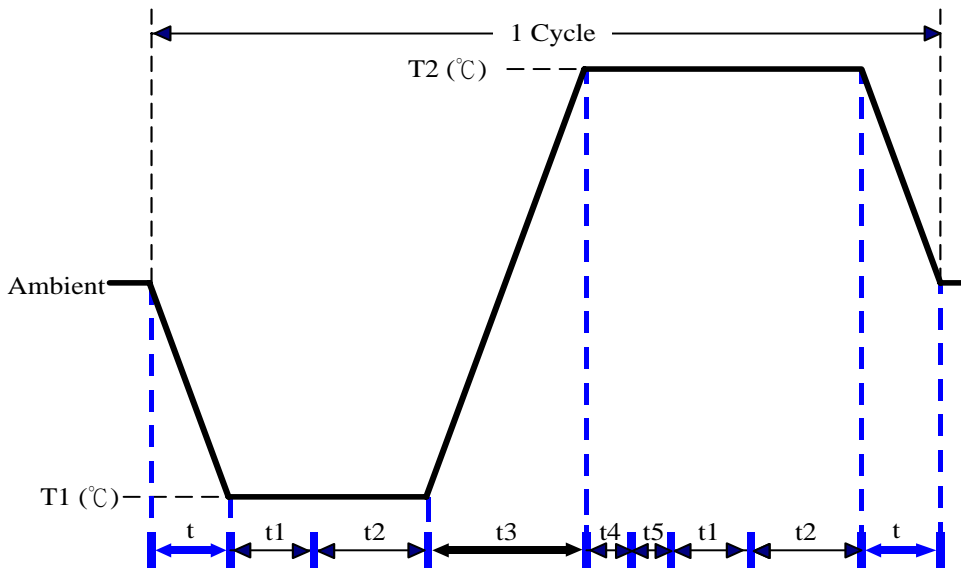
Test Date: 10/07~10/08 /2010

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-D4H+-100
Date of Calibration: 11/12/09
Serial Number: 2582

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.