XTX-945GSE

Temperature/Humidity Test Report

Report NO: 08E020055

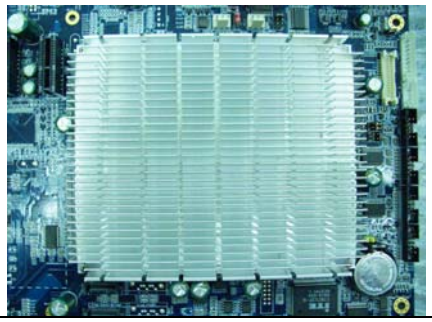
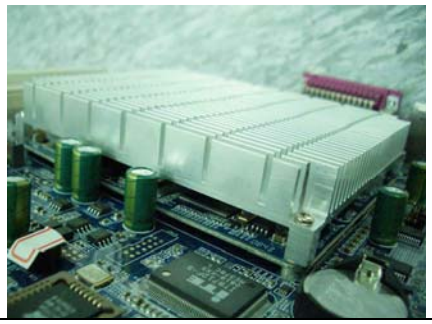
Issued by:	Rex Chang	/	*11/27/2008*
	Test Engineer		**Date**
Reviewed by:	Wenyuan Yang	/	*11/27/2008*
	Manager		**Date**

Test item list

Test Product: XTX-945GSE A0.2 + ECB-910M A1.0

Sample Configuration & Quantity Under Test:

1. CPU Board: AAEON XTX-945GSE A0.2
2. CPU: Intel Atom N270 /1.6GHz (Bios Ver.0.3.3)
3. Chipset: Intel 945GSE / ICH7-M
4. VGA: Intel 945GSE
5. Memory: Transcend 512MB / Jetram J12Q3AB-6 (DDR2-667)
6. DOM: PQI 32MB
7. IDE HDD: HITACHI / 160GB
8. Test Software: Windows XP / Run PassMark Burn In Test Pro 4.0
9. ATX Power Supply: Seventeam ST-350EAG-05G
10. Heat Sink:

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Temp./humidity power on/off test

Test Date: 11-21~22-2008

Test Site: AAEON QA Internal Lab.

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

Test Equipment:

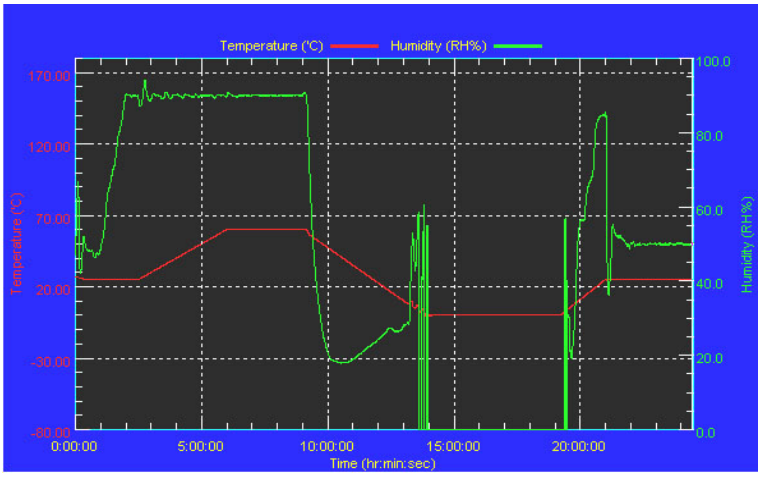
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-B6T-150+LN2
Date of Calibration: 04/17/08
Serial Number: 6488KT

Temperature & Humidity Power On/Off Test:

Testing Specification:

Step	Temperature (℃)	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:

No problem was found during the temperature & humidity power on/off test.

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Temperature variation operation test

Test Date: 11-24~25-2008

Test Site: AAEON QA Internal Lab.

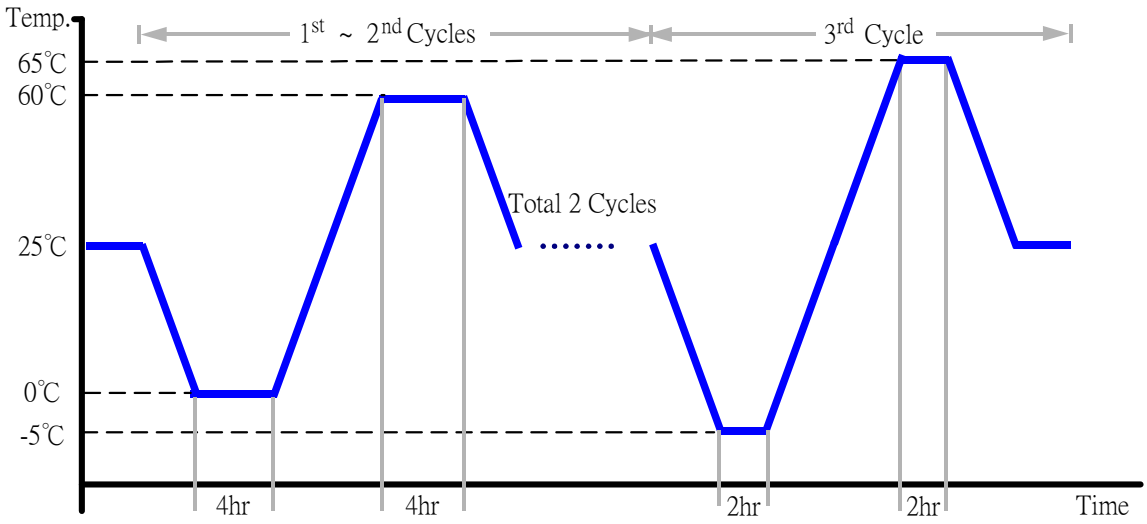
Test Standard: Reference IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-B6T-150+LN2
Date of Calibration: 04/17/08
Serial Number: 6488KT

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0℃ (1~2 cycles)
   -5℃ (3rd cycle)
2. Test High Temperature: 60℃ (1~3 cycles)
   65℃ (3rd cycle)
3. Test dwell time: 4Hrs (1~2 cycles)
   2Hrs (3rd cycle)
4. Temperature slope: 2℃/min
5. Test cycle: 3 cycles
6. Test Environment Curve:



Test Result:

No problem was found during the temperature variation operation test.

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Cold start and hot start test

Test Date: 11-26-2008

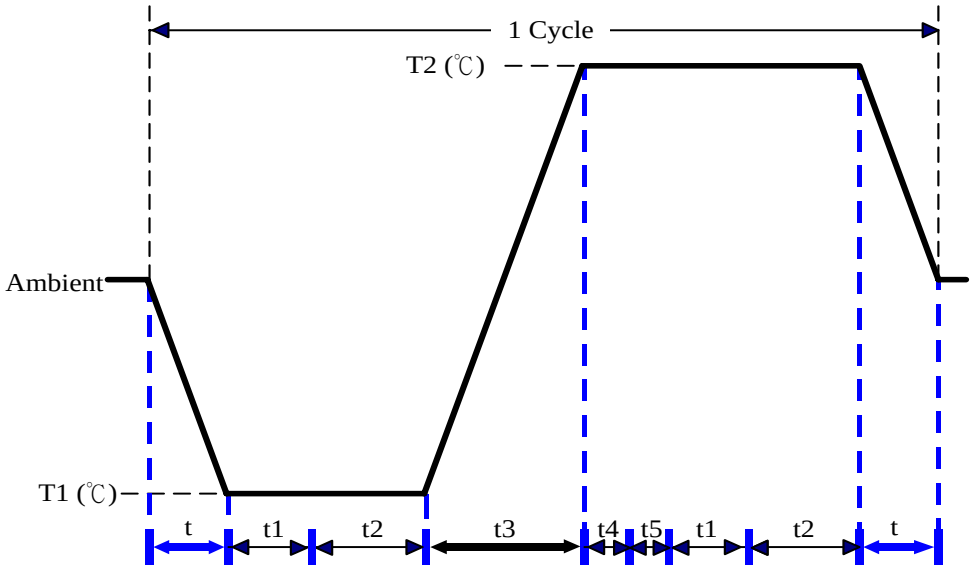
Test Site: AAEON QA Internal Lab.

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-B6T-150+LN2
Date of Calibration: 04/17/08
Serial Number: 6488KT

Test Condition:



Parameters	Description
T1	-5℃
T2	65℃
t1	1 hrs
t2	2 hrs
t4, t5	30 min
t, t3	2℃/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.

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