FSB-G41H

Temperature/Humidity Test Report

Report NO: 11I020001

Summary	☑ **Pass** ☐ **Fail** Note : There is/are ___ defect(s) not list in the report, please check it in the DTS Website. ☐ **Pass with Deviation** **Comment: _____**

Issue date	Approval	Test Engineer
2011-01-06	Jansin Lee	Rex Chang

Test item list

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	

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Configuration of EUT

Test Product: FSB-G41H A0.2 + BP-206VH-E4 A1.0 + PER-U01H A1.0-A

Sample Configuration & Quantity Under Test:

FSB-G41H A0.2

1. CPU: Intel Core 2 Quad Q9400 / 2.66GHz (Bios Ver.0.3)
2. Chipset: Intel G41 / ICH7R
3. VGA: Intel G41
4. Memory: DSL 2GB * 2 / ELPIDA J1108BABG-DJ-E / DDR3 1066
5. DOM: PQI 512MB (For Power On/Off Test)
6. SATA HDD: Seagate ST9120823 / 120GB
7. Test Software: Windows XP / Run PassMark Burn In Test Pro 6.0

Backplane: BP-206VH-E4 A1.0

Expansion Board: PER-U01H A1.0-A

8. ATX Power Supply: Seventeam ST-350EAG-05G
9. CPU Cooler:

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Temp./humidity power on/off test

Test Date: 01-03~04-2011

Test Site: AAEON QE Internal Lab.

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

Test Equipment:

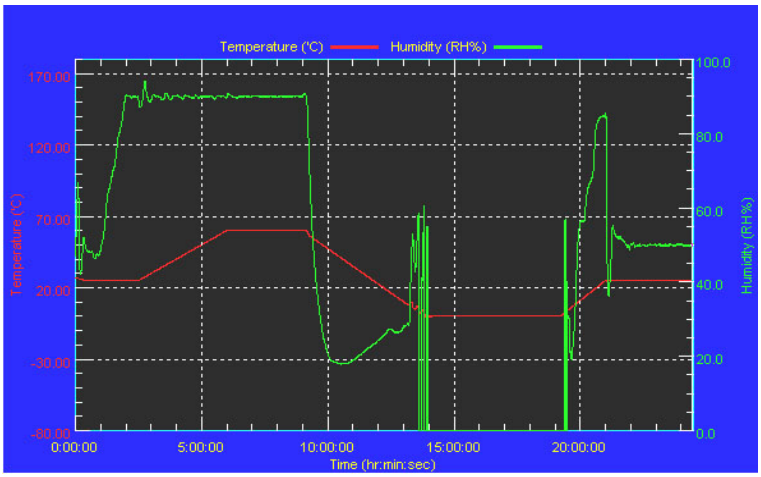
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-B6T-150+LN2
Date of Calibration: 04/01/10
Serial Number: 6488KT

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:

Test Method	Actual	Successful	Failure rate
Power On/Off	1367/times	1367/times	0 %
Note: Failure rate need to under 0.2%.			

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Temperature variation operation test

Test Date: 01-04~05-2011

Test Site: AAEON QE Internal Lab.

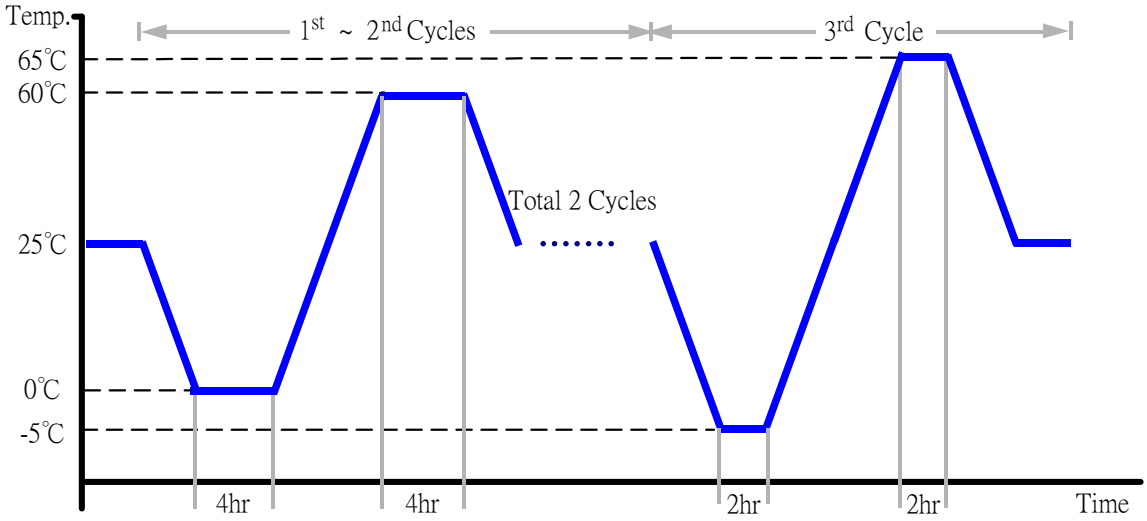
Test Standard: Reference IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-B6T-150+LN2
Date of Calibration: 04/01/10
Serial Number: 6488KT

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0℃ (1~2 cycles)
   -5℃ (3rd cycle)
2. Test High Temperature: 60℃ (1~2 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: 01-05~06-2011

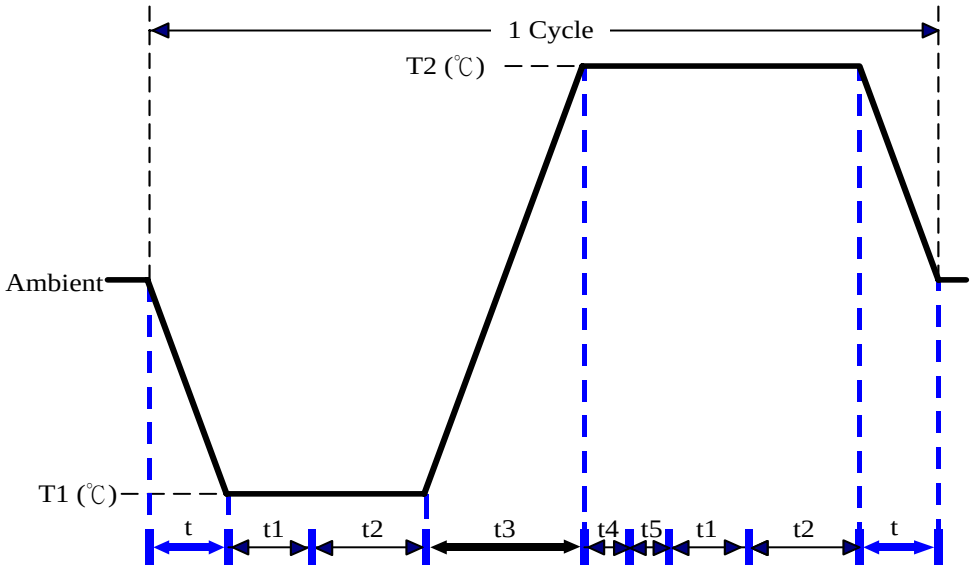
Test Site: AAEON QE Internal Lab.

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: 04/01/10
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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