

PER-T276 (nvRAM)

Temperature/Humidity Test Report

Report NO: 13P020017

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

2013-11-28

Approval

Tom Lin

Test Engineer

Ben Sun

Test item list

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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-T276 (nvRAM)

Sample Configuration & Quantity Under Test:

1. CPU: N/A
2. BIOS Ver.: GENE-CV05 R1.4 (GCV5AT14)
3. Chipset: N/A
4. Memory: Transcend / SEC XYK0 K4B2G0846D / DDR3-1333 2GB
5. USB Flash: N/A
6. 2.5" SATA HDD: TOSHIBA MK1060GSC / 100GB
7. Test Software: Windows 7 / Run PassMark Burn In Test 7.1 Pro
8. Power Supply: FSP / FSP060-DBAB1



Temperature variation operation test

Test Date: 11-25 ~ 26-2013

Test Site: AAEON QE Dept.

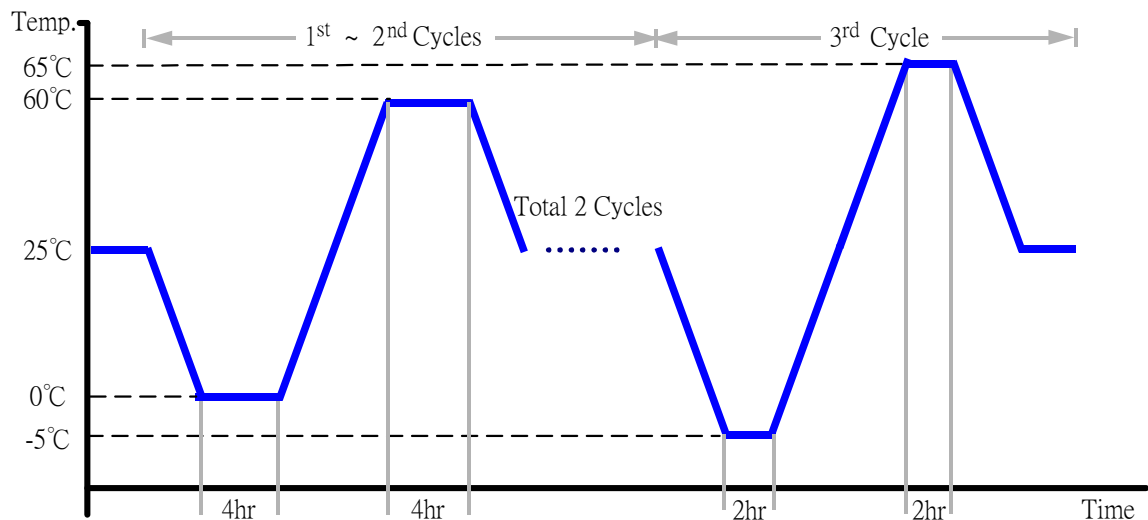
Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber (K.SON. INS. TECH. CORP.)
Model: THS-B6T-150+LN2
Date of Calibration: 25/11/13
Serial Number: 9095KT

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

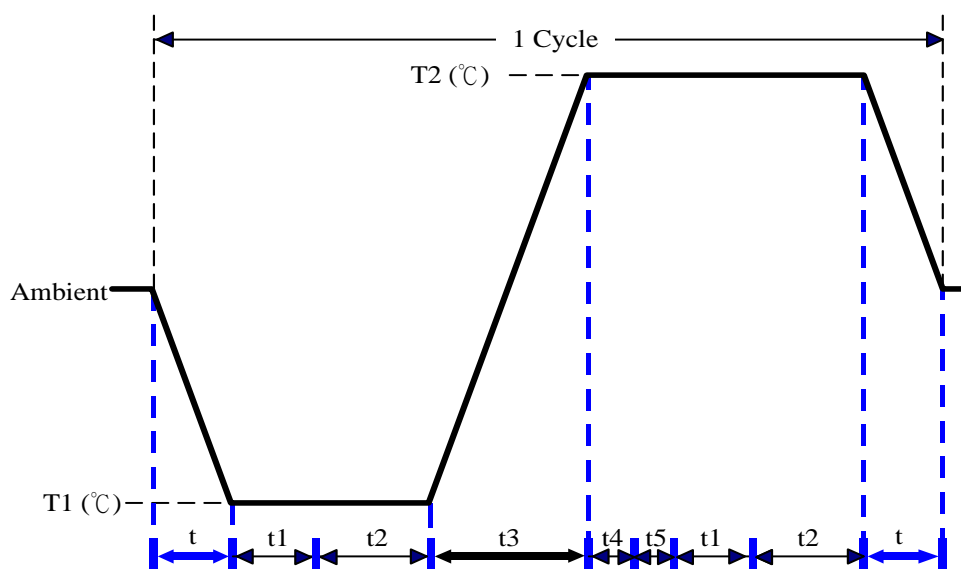
Test Date: 11-27 ~ 28-2013

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: 27/11/13
Serial Number: 9095KT

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.