

PER-TAIX8-A10-PCIE

Temp./Humidity Test Report

Report NO: 19D020016

Summary	<p><input checked="" type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail 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 Comment: _____</p>
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Issue date	Supervisor	Test Engineer
2019-05-10	Louie Lee	Rex Chang

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	
3	Humidity test	Pass	

Configuration of EUT

Test Product: PER-TAIX8-A10-PCIE + SMS-002

Sample Configuration & Quantity Under Test:

Product Name: PER-TAIX8-A10-PCIE

1. MZ-MYX80 A0.2 * 4 pcs
 - 1.1 Chipset: Intel MA2485 *2
2. PCI-E Riser Card A0.2
 - 2.1 Chipset: asmedia ASM1812

Main Board: SMS-002 R1.03

1. CPU: Intel Pentium G3260 / 3.3GHz
2. BIOS Ver.: SMS-002 V1.6AddBraswellPatch.7
3. Chipset: Intel Q87
4. Memory: Panram 8GB * 1 / DDR3 1333 / F143X8ADW405
5. SATA SSD: Transcend 32GB / SSD370
6. Test Software: Ubuntu 16.04.5 Kernel version : v4.15
/ Run Open Vino version : R5.1
7. ATX Power Supply: CWT DSA400P-C
8. Photo:

PER-TAIX8-A10-PCIE



SMS-002



Temperature variation operation test

Test Date: 05-07 ~ 08-2019

Test Site: AAEON QE Dept.

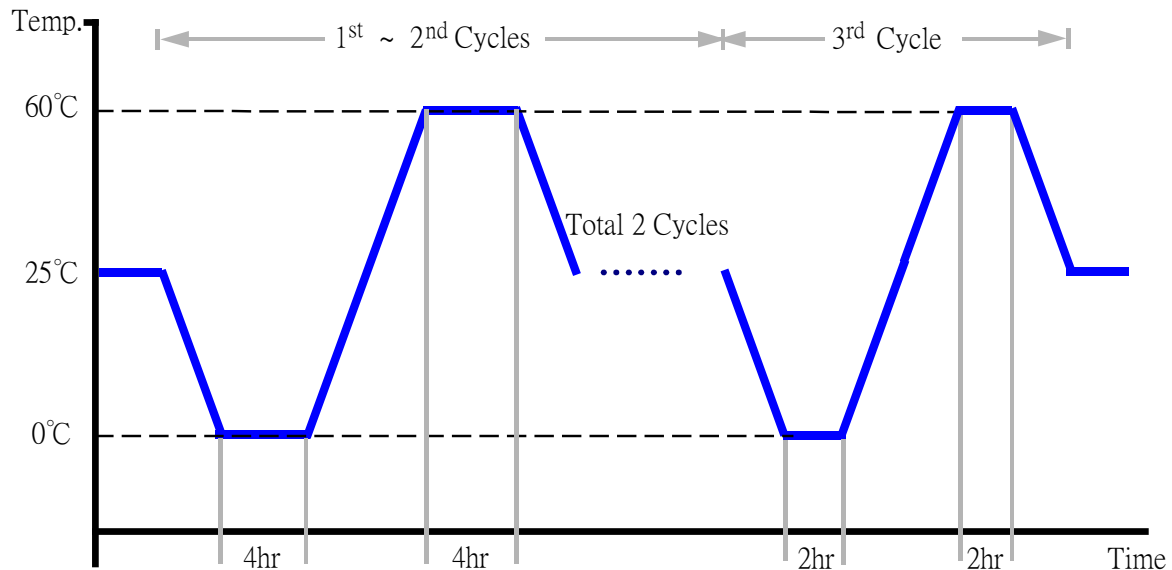
Test Standard: Refer to IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)
Model: THS-B6T-150+LN2
Date of Calibration: 03/14/19
Due date of Calibration: 03/13/20
Serial Number: 6487KT

Temperature & Humidity Cycle Test:

1. Test Low Temperature: 0°C (1~3 cycles)
2. Test High Temperature: 60°C (1~3 cycles)
3. Test dwell time: 4Hrs(1~2 cycles)
2Hrs (3rd cycle)
4. Temperature slope: 2°C/min
5. Test cycle: 3 cycles
6. Test Software: Ubuntu 16.04.5 Kernel version : v4.15/ Run Open Vino version : R5.1
7. Test Environment Curve:



Test Result:

No issues were found during the temperature variation operation test.

Cold start and hot start test

Test Date: 05-08 ~ 09-2019

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.)

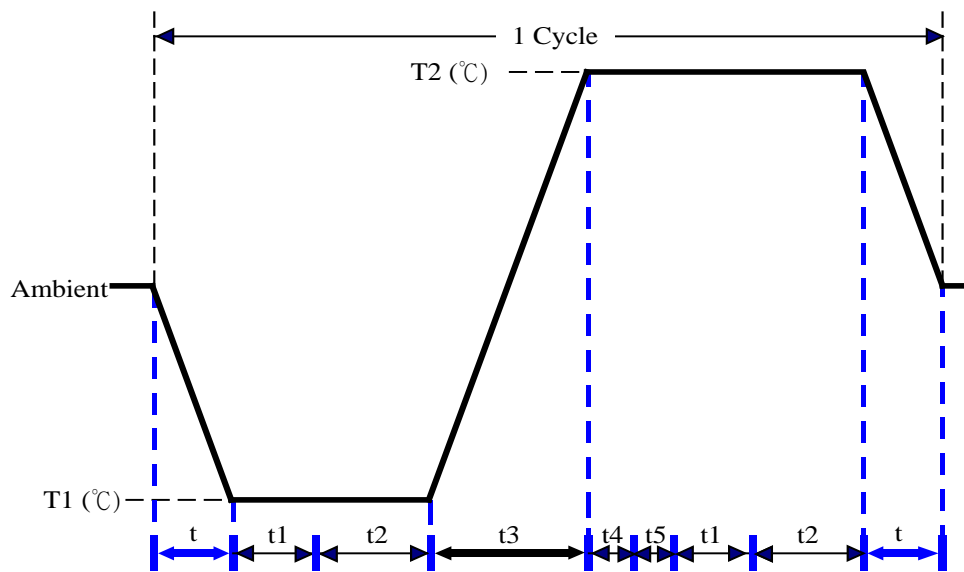
Model: THS-B6T-150+LN2

Date of Calibration: 03/14/19

Due date of Calibration: 03/13/20

Serial Number: 6487KT

Test Condition:



Parameters	Description
T1	0°C
T2	60°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 Run Open Vino

t5: Ubuntu 16.04.5 Software restart test 2 times

Test Software: Linux

Test Result:

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

Humidity test

Test Date: 05-09 ~ 10-2019

Test Site: AAEON QE Dept.

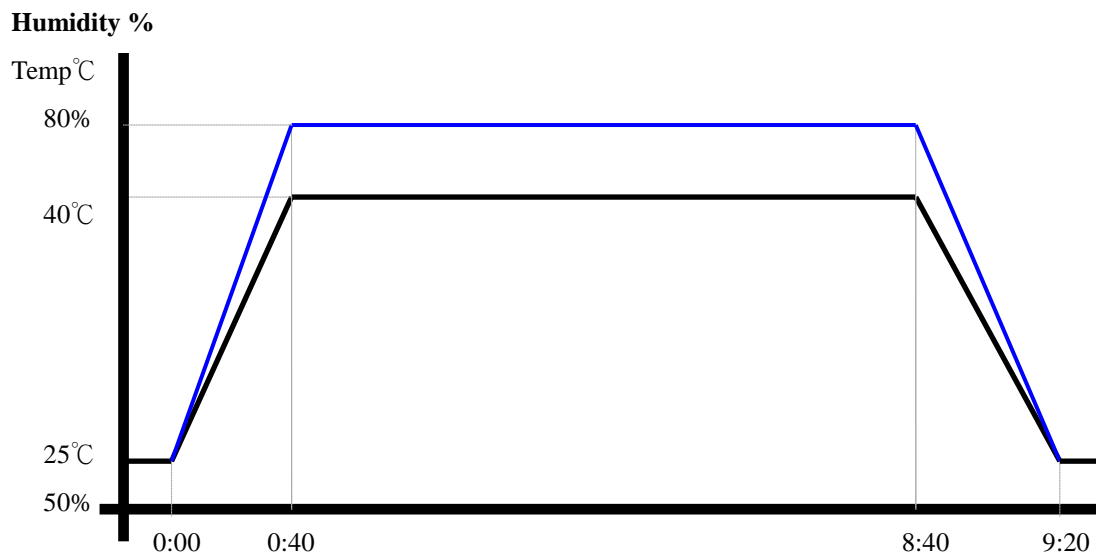
Test Standard: Refer to IEC 68-2-3 Testing procedures
Test Ca: Damp heat, steady state

Test Equipment:

Programmable Temperature & Humidity Chamber: (K.SON. INS. TECH. CORP.)
Model: THS-B6T-150+LN2
Date of Calibration: 03/14/19
Due date of Calibration: 03/13/20
Serial Number: 6487KT

Testing Item:

1. Operation
2. Test Temperature: 40°C
3. Test Humidity: 80%RH
4. Test Times: 8Hrs
5. Test Software: Ubuntu 16.04.5 Kernel version : v4.15/ Run Open Vino version : R5.1
6. Test Environment Curve:



Test Result:

No issues were found after the humidity operation test.