

AIOT-MSSP01

Temperature/Humidity Test Report

Report NO: 17D020013

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

QE Manager

Test Engineer

2017-12-01

KJ Wang

Ben Sun

Test item list

1. *Test item list* ----- 2
2. *Configuration of EUT* ----- 3
3. *Temperature variation operation test* ----- 4
4. *Cold start and hot start test* ----- 5

Testing Result

Num	Test item list	Result	Remark
1	Temperature variation operation test	Pass	
2	Cold start and hot start test	Pass	

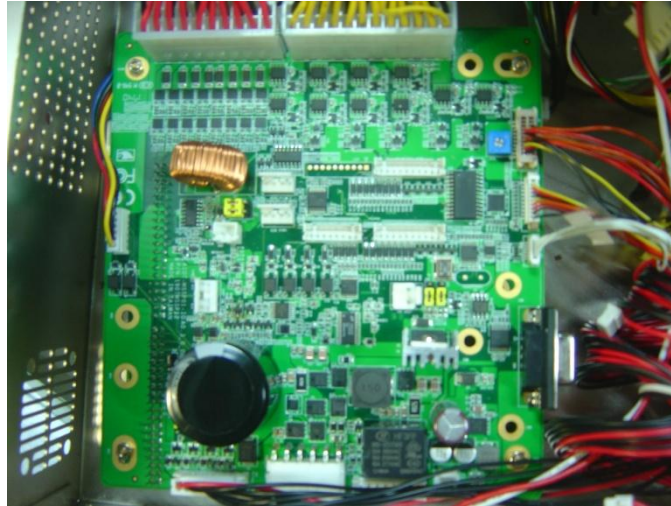
Configuration of EUT

Test Product: AIOT-MSSP01 A1.0

Sample Configuration & Quantity Under Test:

M/B Photo:

AIOT-MSSP01 A0.3



Test System:

1. CPU: Intel N4200 1.1GHz
2. BIOS: UP-APL01 R1.3(UPA1AM13)
3. Chipset: Intel Apollo Lake
4. Memory: 4GB on board
5. Storage: eMMC 32GB on board
6. Test Software: Windows 10 / Run LLAPI Test Suit for Reliability
7. Test Power In: 24V

Temperature variation operation test

Test Date: 11-27 ~ 28-2017

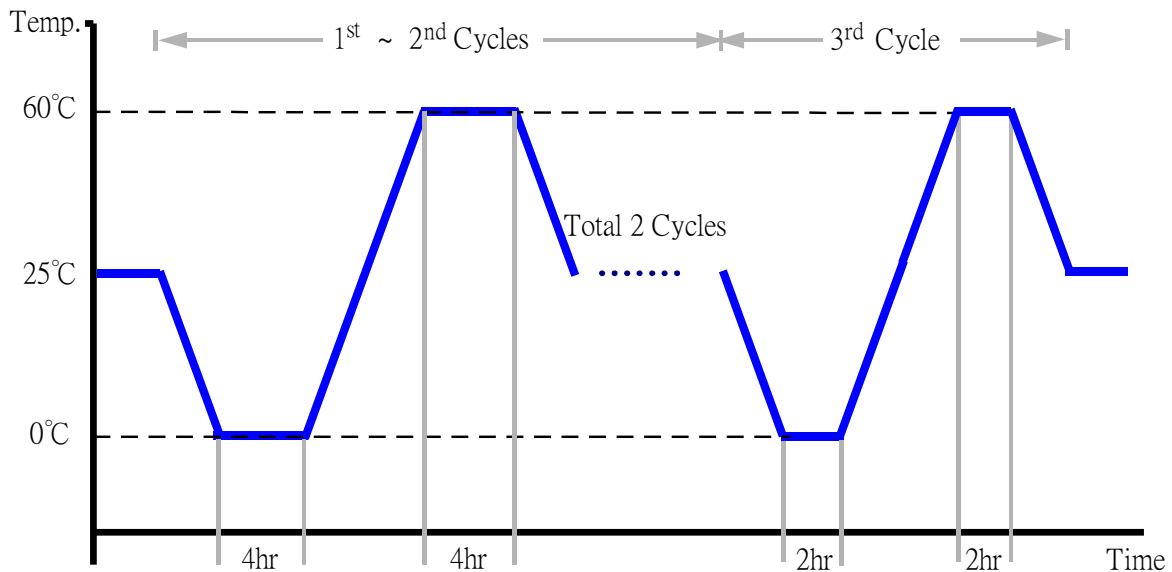
Test Site: AAEON QE Dept.

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: 04/21/17
Due date of Calibration: 04/20/18
Serial Number: 6488KT

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 Environment Curve:



Test Result:

No issues were found during the temperature variation operation test.

Cold start and hot start test

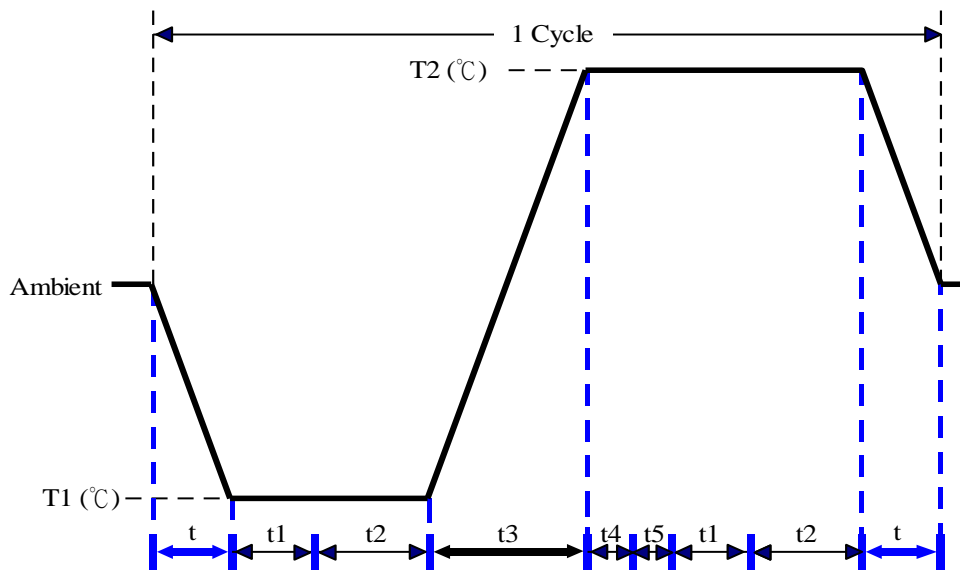
Test Date: 11-29 ~ 30-2017

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: 04/21/17
 Due date of Calibration: 04/20/18
 Serial Number: 6488KT

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 = temperature slope
 t, t1: Power Off
 t2: Power on/off test 10 times (on 5 min / off 5min)
 t3,t4,t5: Power Off
 Test Software:LLAPITest Suit

Test Result:

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