



Industrial Computing Platform Partner

ETX-700

Temperature/Humidity Test Report

Report NO: 07E020036

Issued by: Rex Chang / 11/06/2007
Test Engineer Date

Reviewed by: Wenyuan Yang / 11/06/2007
Manager Date

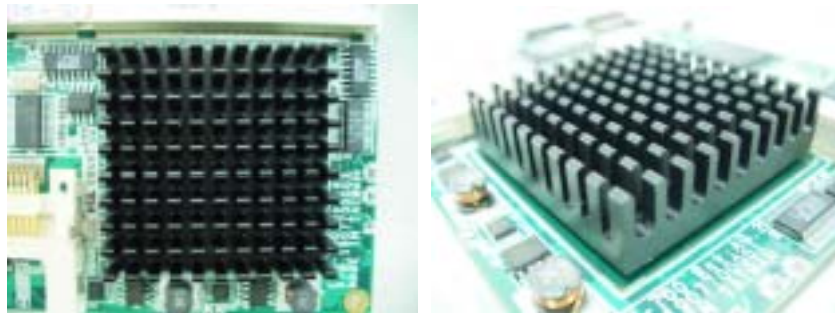
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Test Product: ETX-700 B0.2 + ECB-901A A1.0-A

Sample Configuration & Quantity Under Test:

1. Chipset: AMD S5536AD + ITE 8888G
2. VGA: Integrated in AMD LX
3. Test Software: Windows XP / Run PassMark Burn In Test 4.0 Pro
4. ETX Evaluation Board: ECB-901A A1.0-A
5. Heat Sink:



Sample 1: (AT Power)

1. CPU: Onboard AMD LX-800 / 500MHz (Bios Ver.B0.)
2. Memory: ATP 512MB / Samsung K4H510838C-UCB (DDR-333)
3. DOM: PQI 32MB
4. HDD: Seagate ST380013A 80GB
5. AT Power Supply: Zippy SP2-4300F

Sample 2: (ATX Power)

1. CPU: Onboard AMD LX-800 / 500MHz (Bios Ver.B0.)
2. Memory: ATP 512MB / Samsung K4H510838C-UCB (DDR-333)
3. CFD: PQI 32MB
4. HDD: WD 800JB-00JJC0 80GB
5. ATX Power Supply: Seventeam ST-350EAG-05G

Temp./humidity power on/off test

Test Date: 11-01~02-2007

Test Site: AAEON QA Internal Lab.

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

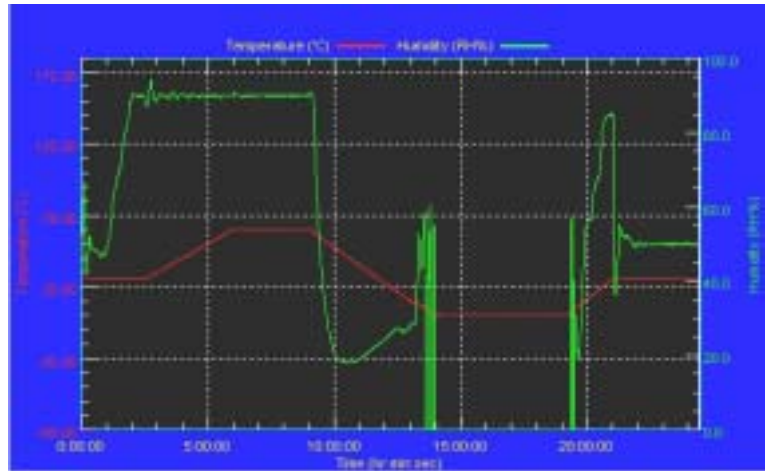
Test Equipment:
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D7S-100+1 N2
Date of Calibration: 12/14/06
Serial Number: 3898

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.

Temperature variation operation test

Test Date: 11-02~03-2007

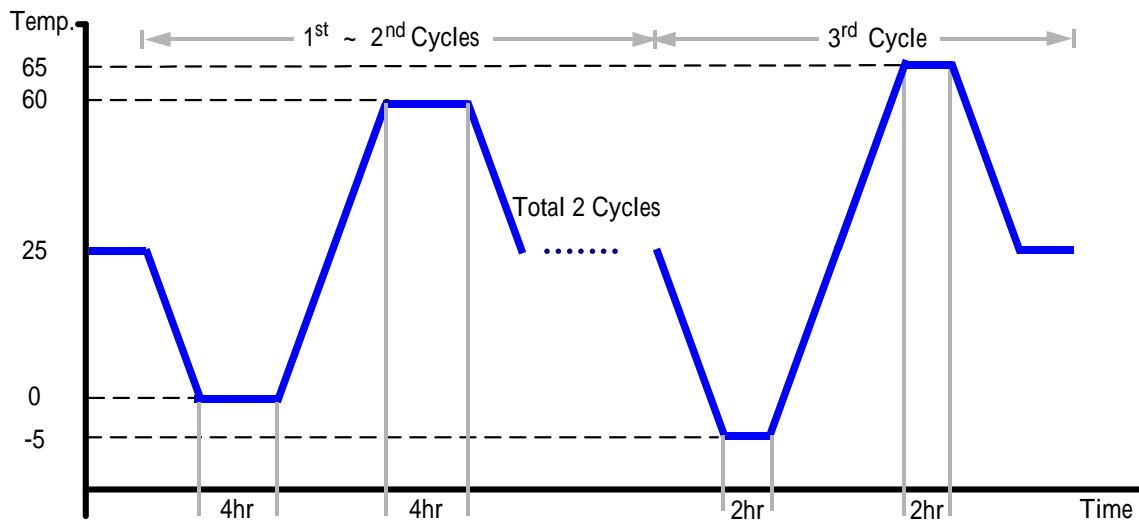
Test Site: AAEON QA Internal Lab.

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-D7S-100+1 N2
Date of Calibration: 12/14/06
Serial Number: 3898

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 & Humidity Cycle Test.

Cold start and hot start test

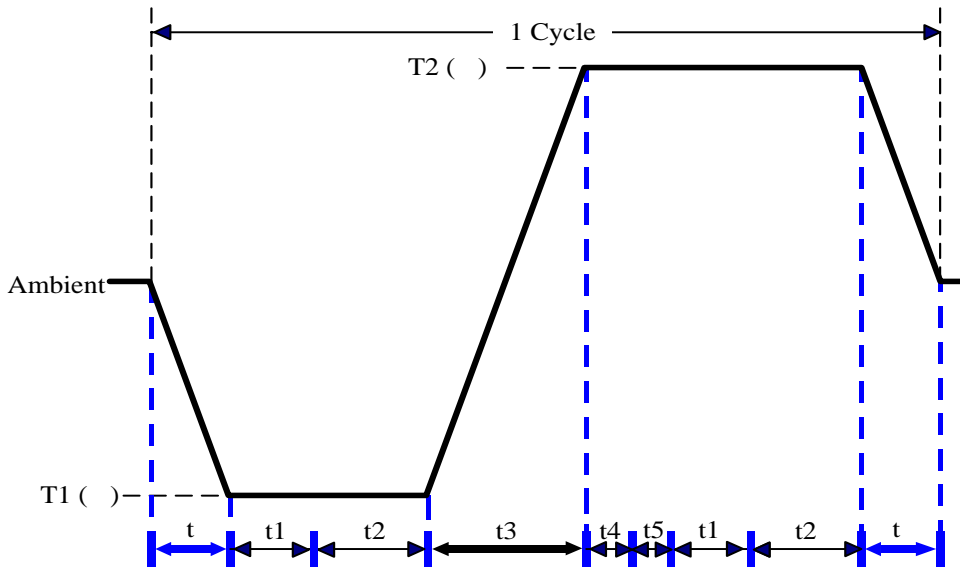
Test Date: 11-02-2007

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-D7S-100+1 N2
Date of Calibration: 12/14/06
Serial Number: 3898

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.