EPIC-5537WT A0.2

W1: -20℃~70℃

Temp./Humidity Test Report

Report NO: 09E020028

Test by:	Richard Wu	/	*07/03/2009*
	Engineer		**Date**
Issued by:	Rex Chang	/	*07/03/2009*
	Engineer		**Date**
Reviewed by:	Wenyuan Yang	/	*07/03/2009*
	Manager		**Date**

Test Item List

AAEON Technology Inc.
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Test Configuration

Sample 1 (S/N: 08283855)

Num	Item	Spec
1.	Board:	EPIC-5537WT Rev: A0.2 (BIOS: 1.0)
	1.CPU	Onboard AMD LX800 / Industrial
	2. Industrial Memory	Onboard DDR 512MB (PROMOS.V58C2512164SAJ5I) / Industrial
2.	Industrial CFD	SILICON POWER 4GB / Industrial
3.	AT Power Supply	TC STAR 1S0-P450L

Sample 2 (S/N: 08283852)

Num	Item	Spec
1.	Board:	EPIC-5537WT Rev: A0.2 (BIOS: 1.0)
	1.CPU	Onboard AMD LX800 / Industrial
	2. Industrial Memory	Onboard DDR 512MB (PROMOS.V58C2512164SAJ5I) / Industrial
2.	Industrial CFD	SILICON POWER 4GB / Industrial
3.	AT Power Supply	TC STAR 1S0-P450L

Sample 3 (S/N: 08283870)

Num	Item	Spec
1.	Board:	EPIC-5537WT Rev: A0.2 (BIOS: 1.0)
	1.CPU	Onboard AMD LX800 / Industrial
	2. Industrial Memory	Onboard DDR 512MB (PROMOS.V58C2512164SAJ5I) / Industrial
2.	Industrial CFD	SILICON POWER 4GB / Industrial
3.	AT Power Supply	EVERGREEN PT-250P

Sample 4 (S/N: 08283866)

Num	Item	Spec
1.	Board:	EPIC-5537WT Rev: A0.2 (BIOS: 1.0)
	1.CPU	Onboard AMD LX800 / Industrial
	2. Industrial Memory	Onboard DDR 512MB (PROMOS.V58C2512164SAJ5I) / Industrial
2.	Industrial CFD	SILICON POWER 4GB / Industrial
3.	AT Power Supply	EVERGREEN PT-250P

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Power On/Off Test

Test Date: 06-15~17-2009

Test Site: AAEON Taichung Internal Lab

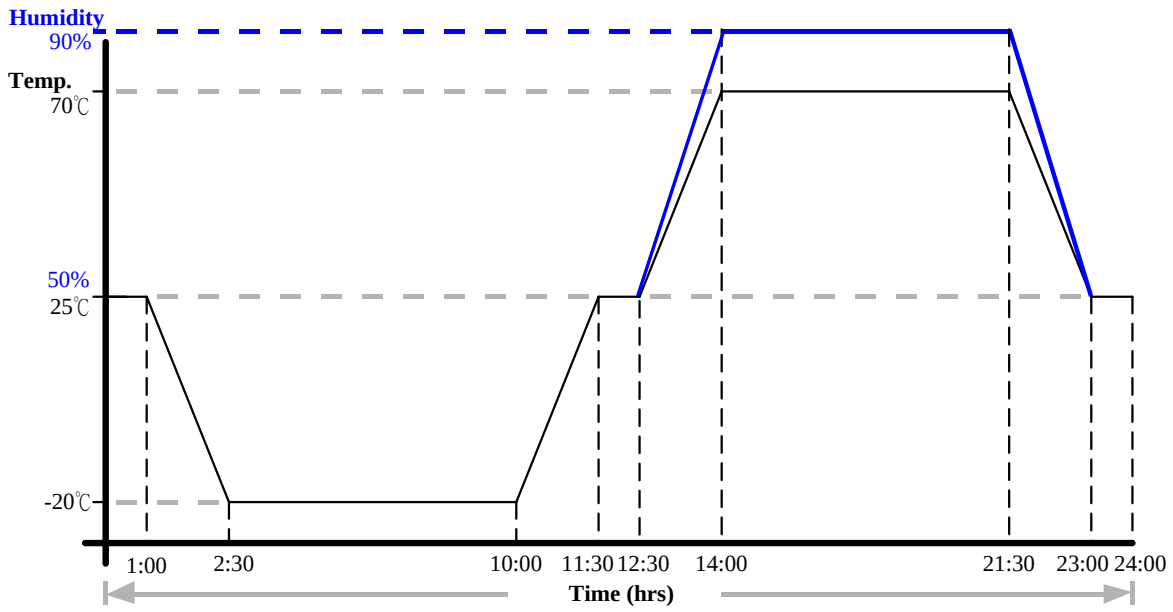
Performed By: Richard Wu

Test Standard: Reference IEC 68-2-1 Testing procedures
Test Ad: Cold Test
Reference IEC 68-2-3 Testing procedures
Test Ca: Damp Heat steady state Test

Test Equipment:
Programmable Temperature & Humidity Chamber
TERCHY TECH. CORP.
Model: MHU-150LB
Date of Calibration: 02/03/09
Serial Number: T9801170201

Test Condition:

1. Test Low Temperature: -20℃
2. Test High Temp./ Humidity: 70℃/ 90%RH
3. Test Times: 24 hrs
4. Power On/Off Time: 40sec / 5sec
5. Test Software: DOS Mode / Boot Up Record Program ver 1.41
6. Test Environment Curve:



Sample Configuration & Quantity Under Test:
Quantity: 4

Test Result:
No problem was found during the temp./humidity power on/off test report.

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Cold start and hot start test

Test Date: 06-15-2009

Test Site: AAEON Taichung Internal Lab.

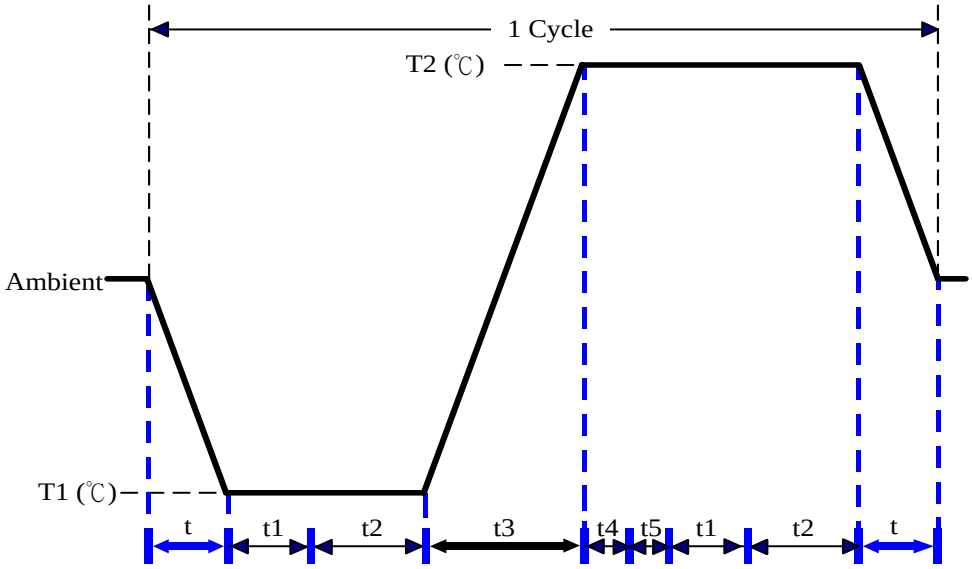
Performed By: Richard Wu

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

Test Equipment:

Programmable Temperature & Humidity Chamber
TERCHY TECH. CORP.
Model: MHU-150LB
Date of Calibration: 02/03/09
Serial Number: T9801170201

Test Condition:



Parameters	Description
T1	-25℃
T2	75℃
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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Low Temperature Operation Test

Test Date: 06-12~13-2009

Test Site: AAEON Taichung Internal Lab.

Performed By: Richard Wu

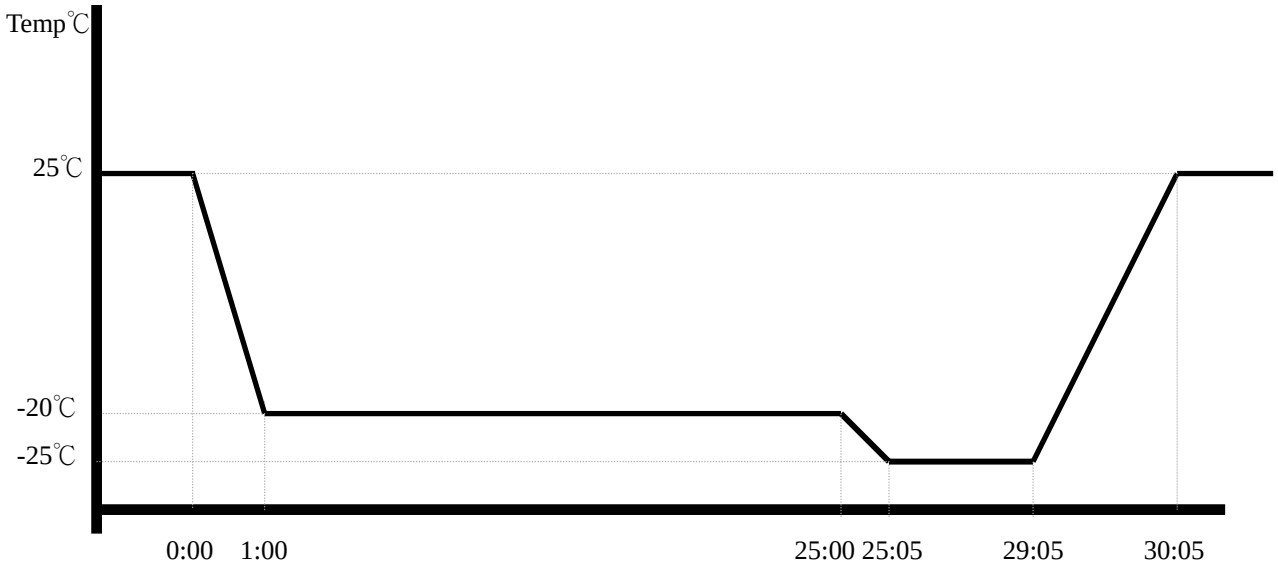
Test Standard: Reference IEC 68-2-1 Testing procedures
Test Ad: Cold Test

Test Equipment:

Programmable Temperature & Humidity Chamber
TERCHY TECH. CORP.
Model: MHU-150LB
Date of Calibration: 02/03/09
Serial Number: T9801170201

Test Condition:

1. Test Temperature: -20℃, -25℃
2. Test Times: -20℃/24Hrs; -25℃/4Hrs
3. Test Software: Windows XP / Run PassMark Burn In Test 4.0 Pro
4. Test Environment Curve:



Sample Configuration & Quantity Under Test:
Quantity: 4

Test Result:
No problem was found during the low temperature operation test.

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High Temp./Humidity Operation Test

Test Date: 06-13~14-2009

Test Site: AAEON Taichung Internal Lab.

Performed By: Richard Wu

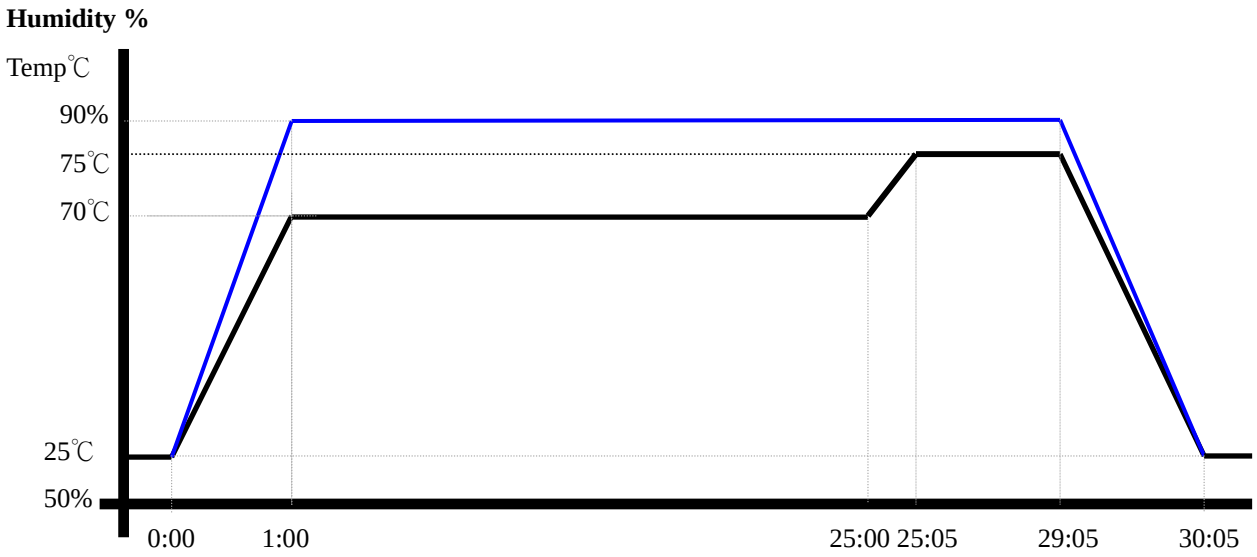
Test Standard: Reference IEC 68-2-3 Testing procedures
Test Ca: Damp Heat steady state Test

Test Equipment:

Programmable Temperature & Humidity Chamber
TERCHY TECH. CORP.
Model: MHU-150LB
Date of Calibration: 02/03/09
Serial Number: T9801170201

Test Condition:

1. Test Temperature: 70℃, 90℃
2. Test Humidity: 90%RH
3. Test Times: 70℃/24Hrs; 75℃/4Hrs
4. Test Software: Windows XP / Run PassMark Burn In Test 4.0 Pro
5. Test Environment Curve:



Sample Configuration & Quantity Under Test:

Quantity: 4

Test Result:

No problem was found during the high temp./humidity operation test.

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Variation Temperature Operation test

Test Date: 06-30-2009 ~ 07-03-2009

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

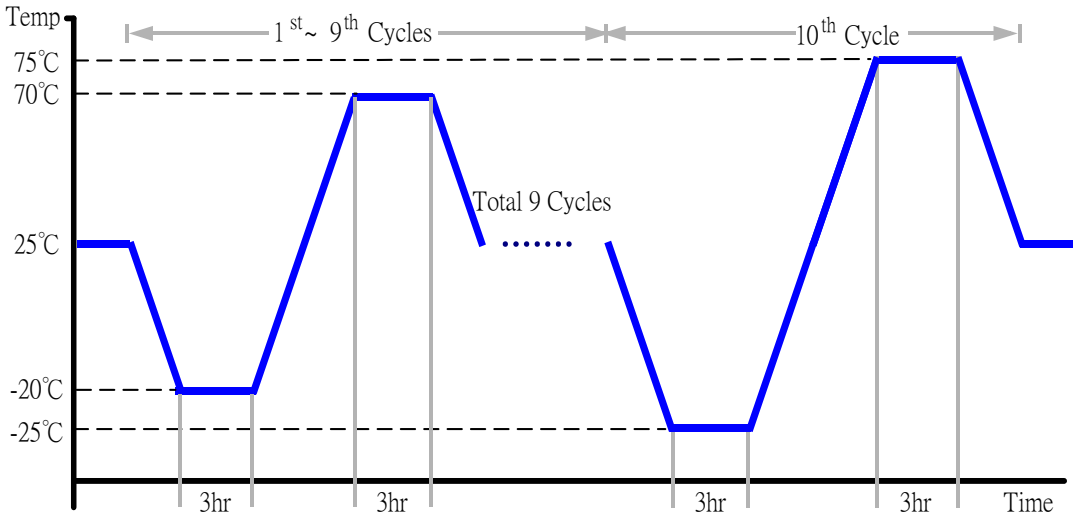
Test Standard: Reference IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D7S-100+1 N2
Date of Calibration: 12/13/07
Serial Number: 3898

Test Condition:

1. Test Low Temperature: -20℃ (1~9 cycles)
   -25℃ (10^{th} cycle)
2. Test High Temperature: 70℃ (1~9 cycles)
   75℃ (10^{th} cycle)
3. Test dwell time: 3Hrs
4. Temperature slope: 15℃/min
5. Test cycle: 10 cycles
6. Test Software: Windows XP / Run PassMark Burn In Test 4.0 Pro
7. AT Power Supply: Zippy SP2-4300F
8. Test Environment Curve:



Sample Configuration & Quantity Under Test:

Quantity: 4

Test Result:

No problem was found during the variation temperature operation test.

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