



Industrial Computing Platform Partner

EMB-945T

Temperature cycle Test Report

Report NO: 06E020007

Issued by: ***Rex Chang*** / ***02/24/2006***

Test Engineer Date

Reviewed by: ***Wenyuan Yang*** / ***02/24/2006***

Manager Date

Temperature cycle test

Test Date: 02-18~23-2006

Test Product: EMB-945T (ATX Power) Rev: A1.0

Test Site: AAEON QA Internal Lab.

Performed By: Rex Chang

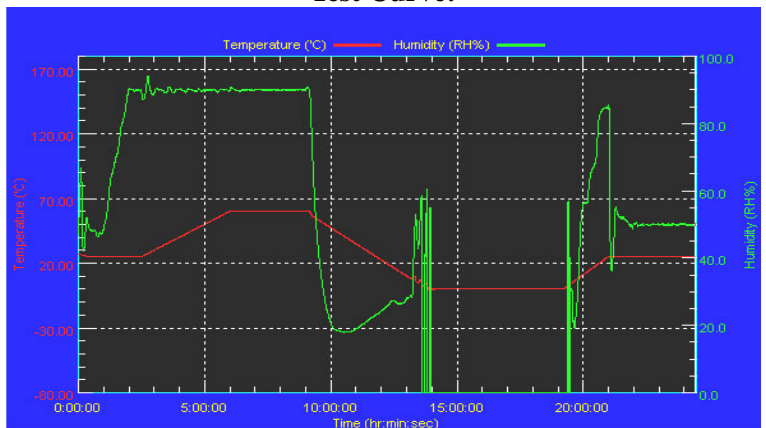
Test Standard: Reference IEC 68-2-30 Testing procedures
Test DB: Damp Heat Test
Reference IEC 68-2-61 Testing procedures
Test Z/ABD: Climatic Sequence Test

Test Equipment:
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-A4C-100
Date of Calibration: 05/23/05
Serial Number: 3188

**Temperature & Humidity Power On/Off Test:
Testing Specification:**

Step	Temperature (°C)	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

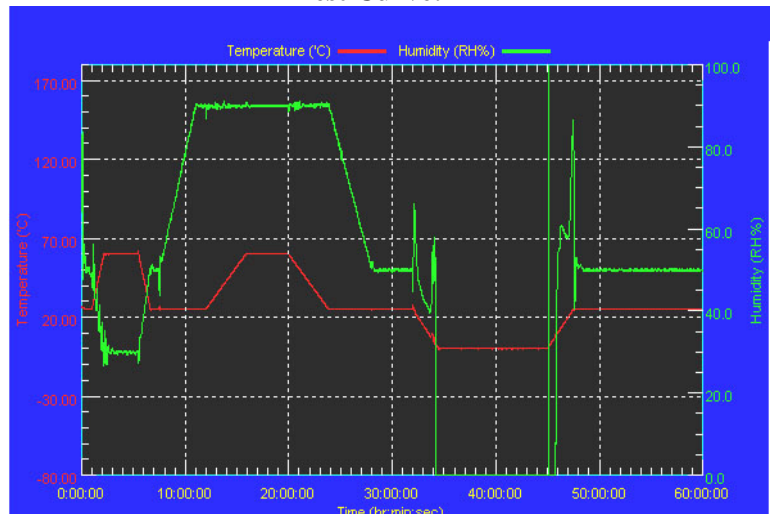
Test Curve:



**Temperature & Humidity Cycle Test:
Testing Specification**

Step	Temperature (°C)	Humidity (%RH)	Duration (HH:MM)
1	25	50	00:30
2	25	50	00:30
3	60	30	01:10
4	60	30	03:20
5	25	50	01:10
6	25	50	00:50
7	25	90	03:30
8	25	90	01:00
9	60	90	03:53
10	60	90	04:07
11	25	90	03:53
12	25	50	04:07
13	25	50	03:30
14	25	50	00:30
15	0	0	02:30
16	0	0	10:30
17	25	50	02:30
18	25	50	00:30

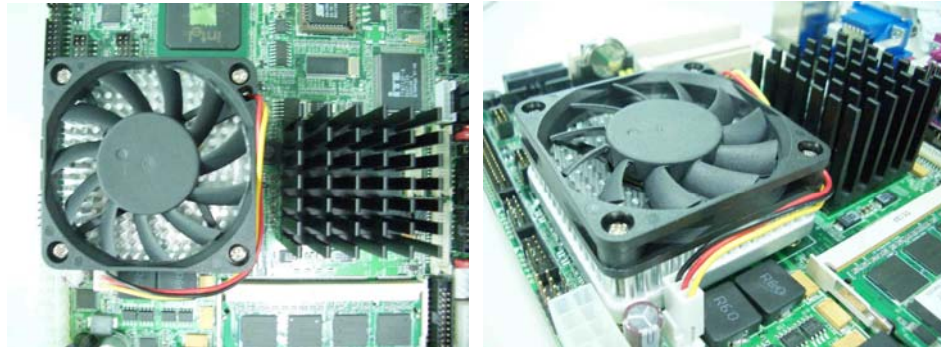
Test Curve:



Temperature cycle test

Sample Configuration & Quantity Under Test:

1. CPU: Intel(R) Core Duo T2500 2.0GHz (Bios Ver.1.0)
2. SDRAM: ELPIDA E5108AE-5C-E DDR2-533 1GB
3. Chipset: Intel 945GM / Intel ICH7M (SECRET NH82801GBM FS383279)
4. VGA: North Bridge Intel 945GM (Share memory up to 128MB)
5. LAN: Marvell.88E8053-A3-NNC1C000 10/100/1000 Base-T Fast Ethernet
6. HDD: Seagate ST340014A 40GB
7. ATX Power Supply: Aopen FSP-300-60ATV
8. Heat Sink:



Test Result:

- 1.No problem was found during the temp./ humidity power on/off test.
- 2.No problem was found during the temp./ humidity cycle test.