PCM-8120

Temp./Humidity Cycle Test Report

Report NO: 06E020064

Issued by:	*Rex Chang*	/	*12/18/2006*
	Test Engineer		**Date**
Reviewed by:	*Wenyuan Yang*	/	*12/18/2006*
	Manager		**Date**

Temp./Humidity Cycle Test

Test Date: 12-13~18-2006

Test Product: PCM-8120 Rev: A0.2

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

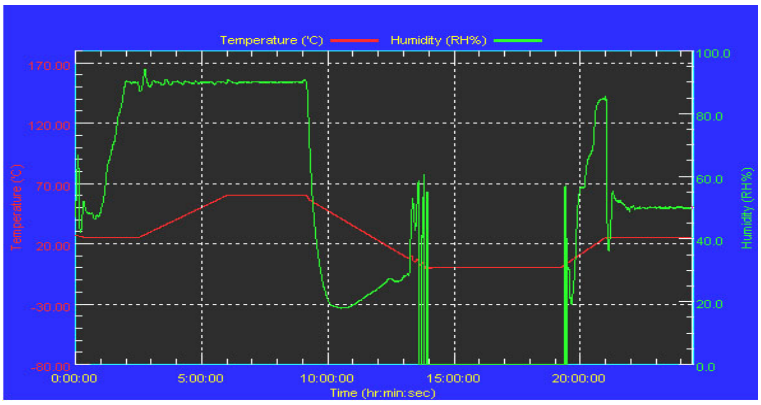
Test Equipment:
Programmable Temperature & Humidity Chamber
K.SON. INS. TECH. CORP.
Model: THS-D4H+-100
Date of Calibration: 05/19/06
Serial Number: 1241

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:

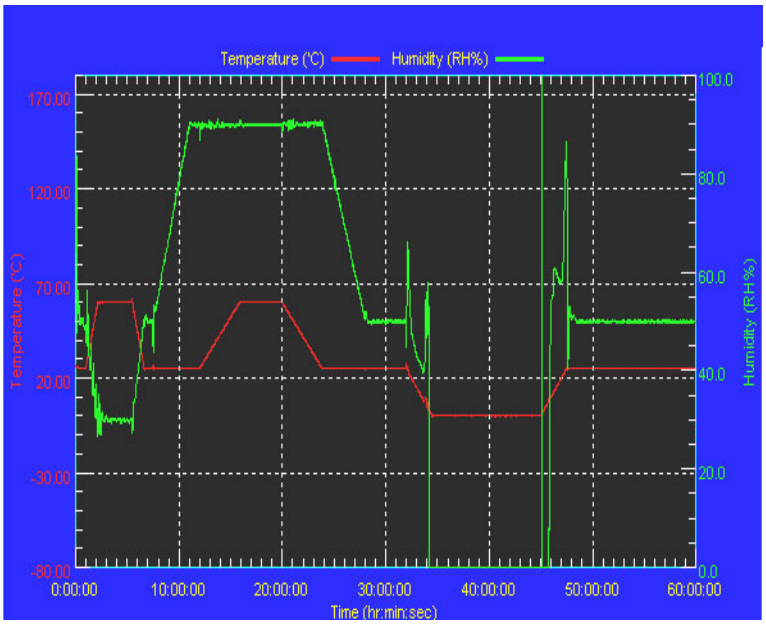


Temperature & Humidity Cycle Test:

Testing Specification

Step	Temperature (℃)	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:



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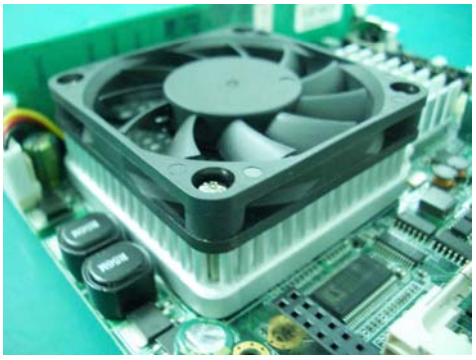
Temp./Humidity Cycle Test

Sample Configuration & Quantity Under Test:

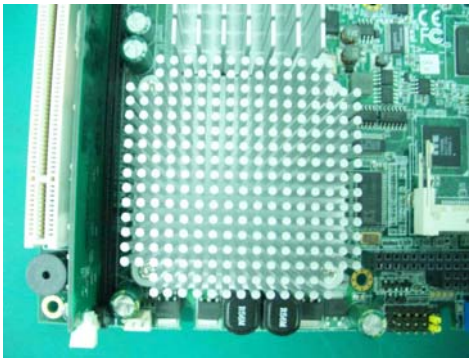
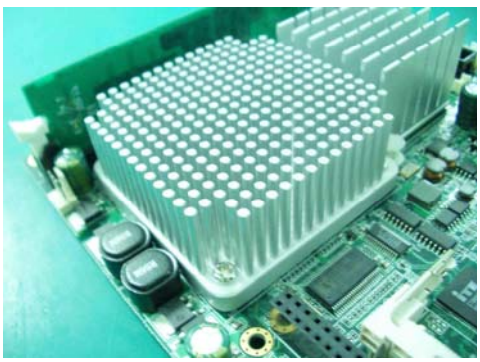
Sample 1:

a. CPU: Onboard VIA C7 / Eden 2.0GHz (Bios Ver.0.9)
b. Memory: 512MB KINGMAX / Hynix HY5PS12821 F-C4 (DDR2-533)
c. Chipset: VIA CX700M
d. VGA: VIA CX700M
e. CFD: PQI 32MB
f. HDD: Seagate ST320413A 20GB
g. Power Supply: Enhance ENT-1815
h. Test Software: Windows XP / Run PassMark Burn In Test Pro 4.0
i. CPU Cooler:

Sample 1:

a. CPU: Onboard VIA C7 / Eden 1.0GHz (Bios Ver.0.9)
b. Memory: 512MB Transcend / ELPIDA E5108AGBG-6E-E (DDR2-667)
c. Chipset: VIA CX700M
d. VGA: VIA CX700M
e. CFD: PQI 32MB
f. HDD: Seagate Maxtor Fireball 3 ATA/133 40GB
g. Power Supply: FSP ATX-350PA
h. Test Software: Windows XP / Run PassMark Burn In Test Pro 4.0
i. CPU Heat Sink:

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Temp./Humidity Cycle Test

Test Result:

Sample 1:

a. Temperature & Humidity Power On/Off Test:

Power on/off test: failed one time at 0℃.

Test Method	Actual	Successful	Failure rate	On time	Off Time
Power On/Off	1152/times	1151/times	0.1 %	40 Sec.	40 Sec.

b. Temperature & Humidity Cycle Test:

No problem was found, during the temperature./humidity cycle test.

Sample 2:

a. Temperature & Humidity Power On/Off Test:

Power on/off test: failed two times at 0℃.

Test Method	Actual	Successful	Failure rate	On time	Off Time
Power On/Off	1035/times	1033/times	0.2 %	45 Sec.	45 Sec.

b. Temperature & Humidity Cycle Test:

No problem was found, during the temperature./humidity cycle test.

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