



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

PCM-4896L
C1.0
Temperature / Humidity Test Report

Issued by:

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QE Engineer

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07/01/2002

Date

Reviewed by:

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QE Manager

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07/01/2002

Date

1. Test Product: NS Geode Compact Board
2. Model Name: PCM-4896L REV.C1.0
3. Test Date: 06-28-2002
4. Test Site: AAEON QA Internal Lab.
5. Test Equipment

Type	MFR	Model Number	Serial Number	Last CAL.
Programmable Temperature & Humidity Chamber	KSON	TS-F3L+ -100	1467	04/10/02

6. Test Standard :

NO.	Description
IEC 68-2-30	Test DB : Damp Heat Test
IEC 68-2-61	Test Z/ABD : Climatic Sequence Test

7. Testing Item:
 - Temperature & Humidity Cycle
 - Test Temperature & Humidity Power On/Off Test

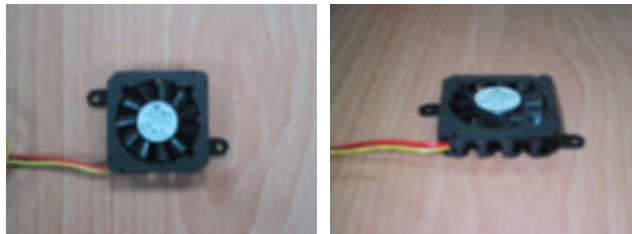
8. Additional Test Peripheral:

Configuration	Model
Test Software	QAPLus 5.5
Test Fixture	Power on/off(110V) Fixture

9. Sample Configuration & Quantity Under Test:
 - Quantity: 1
 - Sample Configuration:

CPU	Geode GX1 300MHz
DRAM	SDRAM 64MB NEC NT56V6620C0T-75(PC-133 SDRAM)
System BIOS Version	PCM-4896L BIOS Rev. 0.1
Chipset	Geode CS5530A-UCE
VGA Chipset	Geode CS5530A-UCE all in one
I/O Chipset	ITE-IT8661F Fully 16 bit I/O decoded.
Cooler (P/N)	1759200106

Cooler (P/N): 1759200106



10. Test Result:

Standard	Description	Result
IEC 68-2-61	Temperature & Humidity Cycle Test (Run QAPLus 5.5)	Pass
IEC 68-2-30	Temperature & Humidity Power On/Off Test	Pass

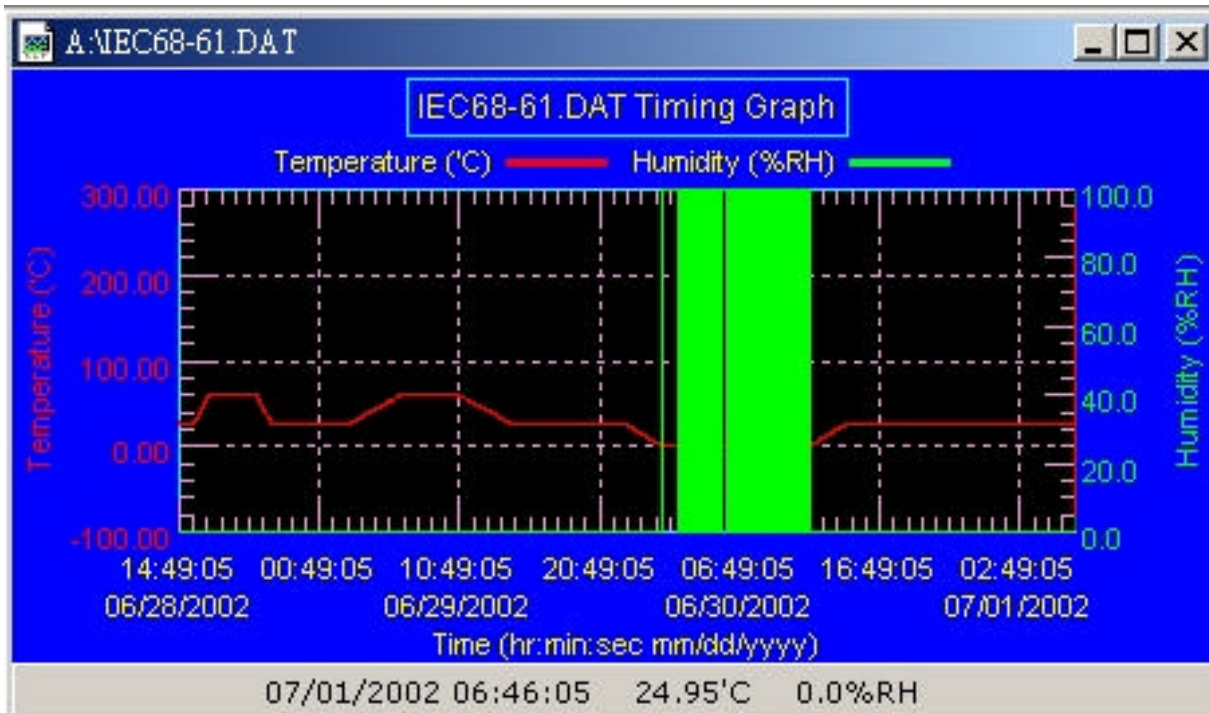
Note: CPU Cooler Non-operation.

11. Temperature & Humidity Cycle Test:

11-1 Testing Specification:

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

11-2 Test Curve:

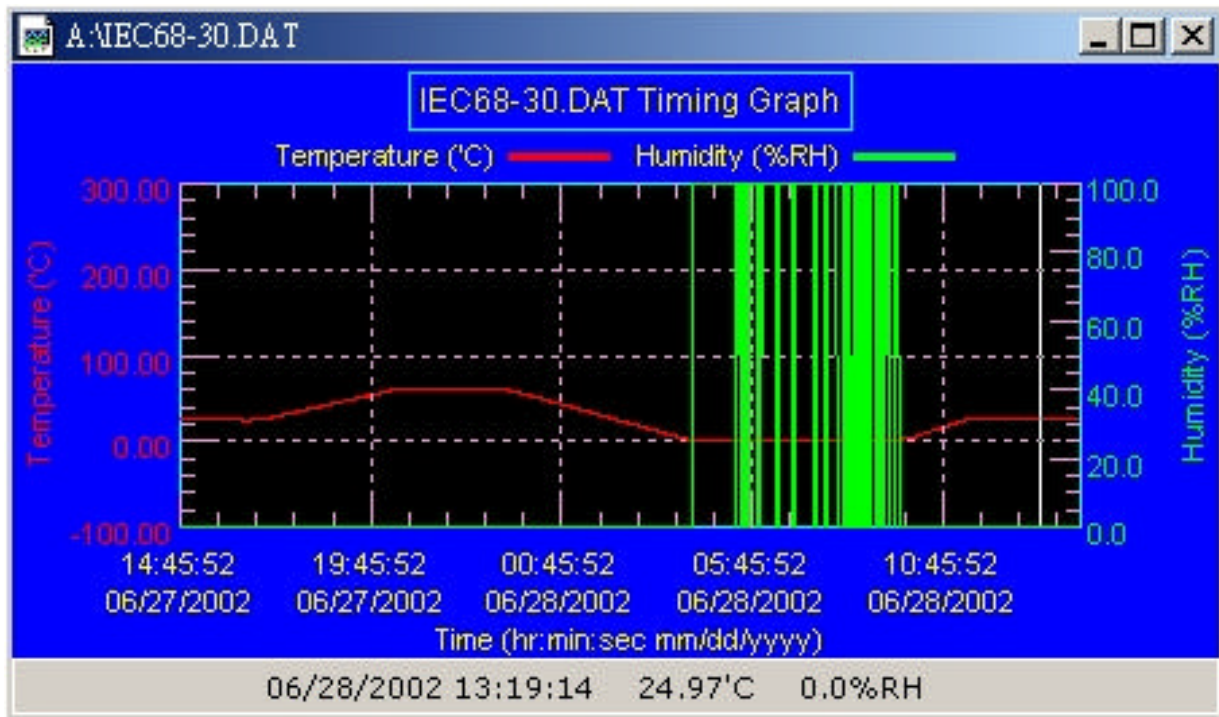


12. Temperature & Humidity Power On/Off Test

12-1 Testing Specification:

Step	Temperature ()	Humidity (%RH)	Duration (HH:MM)
1	25	0	00:30
2	25	0	00:30
3	25	0	01:00
4	25	0	00:30
5	60	0	03:30
6	60	0	03:00
7	0	0	04:50
8	0	0	05:23
9	25	0	01:47
10	25	0	03:00

12-2 Test Curve:



13. Thermal profile points :

Point	25	60	Remark
1.CPU Geode GX1 300MHz surface temperature	43.6	76.0	
2.Chamber inside air temperature	26.3	60.4	