



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

SBC-558

Thermal Image Analysis Report

Release Date: JAN.09, 2001

Issue Stamp

QA Manager

QE Manager

Test Engineer

Thermal Image Analysis

I . Model Name: SBC-558 Rev.A1-1

II . Description: Intel Tillamook MMX Half-size CPU Card with LCD, Ethernet, SSD, & PC/104 Plus

III . Date: JAN. 09, 2001

IV . Measure Site: AAEON QE Dept.

V . Issued by : Kuochen Huang

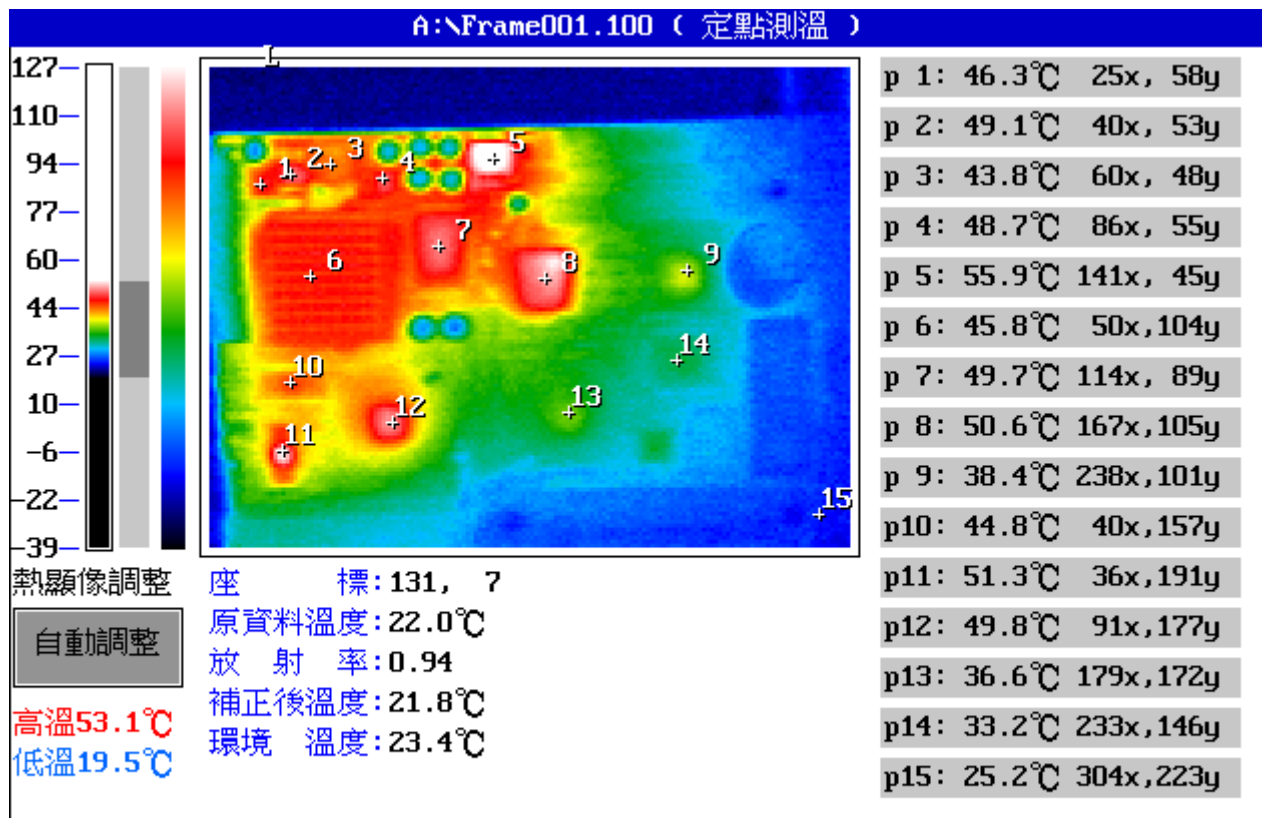
VI.Equipment: TVS-100 series by NIPPON AVIONICS CO., LTD.

VII. Simulation Environment:

- **Temperature: 25.2 degrees C**
- **CPU: Tillamook-MMX 266MHz**
- **RAM: 32 MB**
- **Hardware: DiskOnChip**
- **Application Software: QAPLUS/FE V5.5**
- **Take Picture Time: Power on 30 minutes after**

Temperature Profile Test:

Component Side:



Point	Position	Describe	Ts	Tm	Note
1	U3	4420 SAKA W912		46.3°C	
2	D2	830 B10 35CL		49.1°C	
3	L3	2R4F931		43.8°C	
4	U4	SC1101 9908		48.7°C	
5	Q1	AMS 1083CM 9823	0 ~ 125°C	55.9°C	
6	U9	Tillamook-MMX 266MHz		45.8°C	
7	U5	Elite MT LP61G6464AF-5 9910S B2851BA		49.7°C	
8	U10	CHIPS M6900B4 9904-A		50.6°C	
9	U11	GD82559 L914IH74		38.4°C	
10	U16	EliteMT LP61 256AS-8 9844T M9L631UC		44.8°C	
11	U20	Phaselink PLL52C66-01CXC 9838 151220	70°C	51.3°C	
12	U17	Intel PCIset FW82439TX F910IE14 SL28T		49.8°C	
13	U18	Intel PCIset FW82371EB L9290004		36.6°C	
14	U15	Winbond W83977TF-AW SM.MEGA.87-96		33.2°C	
15		The Room Temperature		25.2°C	

1. Operation Temperature (°C):

Ts = Defined by component specification ; Tm = Measured by QE

2. ※ = Ts - (Tm + 60 - 25)