ETX-855

Thermal Image Analysis Report

Report No: 05E080023

Release Date: 08/11/2005

2005-08-11	Wenyuan Yang	Andrew Ku
Issue Stamp	**Manager**	**Test Engineer**

Thermal Image Analysis

Ⅰ. Model Name: ETX-855

Ⅱ. Description: Intel 855 GM/ICH4/Socket 478ETX Board

Ⅲ. Date: 08/11/2005

Ⅳ. Measure Site: AAEON QE Dept.

Ⅴ. Issued by: Andrew Ku

Ⅵ.Equipment:

1. TVS-100 series by NIPPON AVIONICS CO., LTD.

Ⅶ. Simulation Environment:

- **Temperature:**

  Component Side – 1: 26.4degrees C

- **System Configuration :**

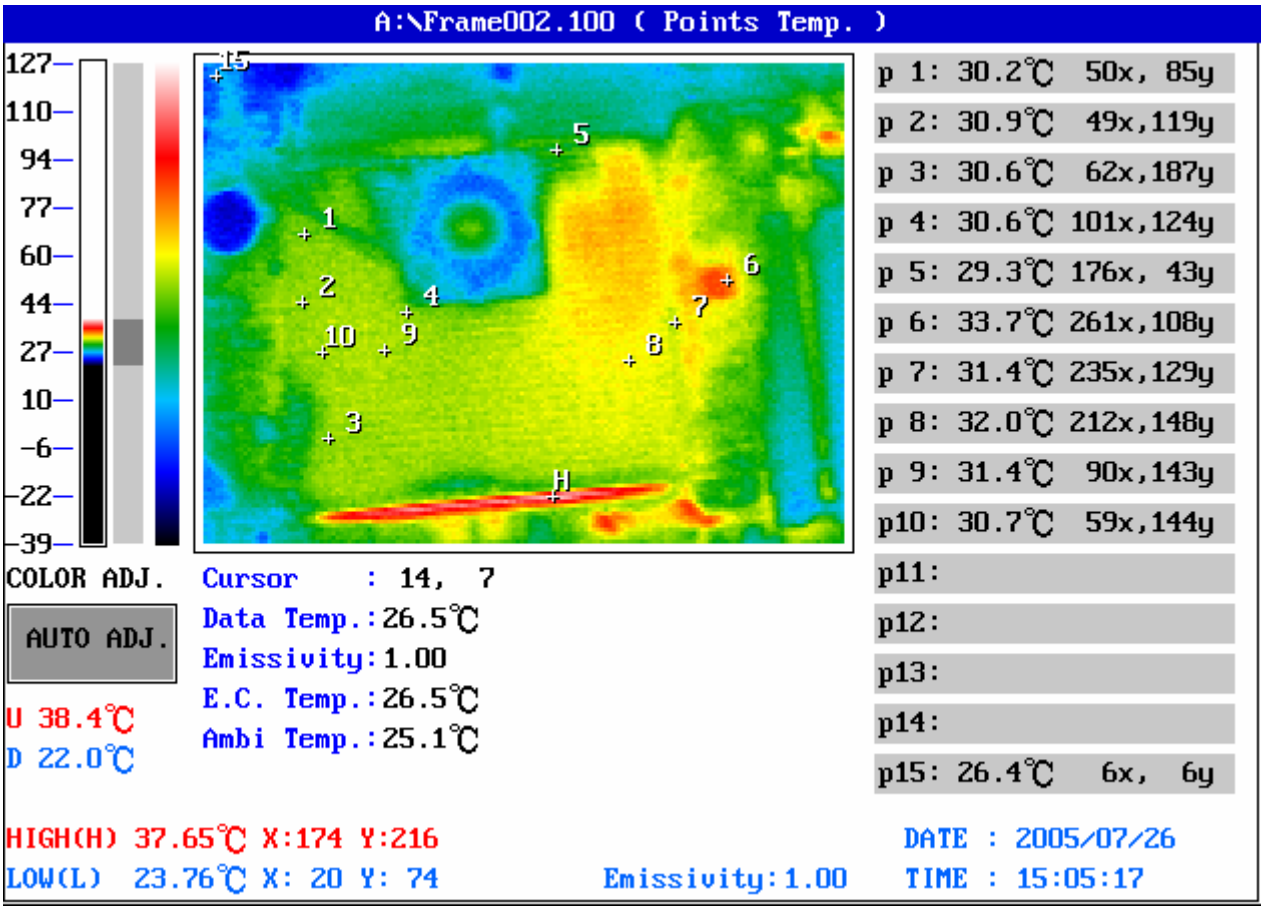
  BIOS ver :A0.2
  CPU: Intel Dothan Pentium M 2.0GHz
  Memory: NANYA / NT5DS64M8AF-6K / SODDR333 / 1GB
  HDD: MAXTOR 80GB

- **Application Software: Windows 2000 run HCT9.5**
- **Take Picture Time: Power on 2 hours after**

AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd.,
Hsin-Tien City, Taipei, Taiwan, R.O.C.
TEL: +886-2-8919-1234
FAX: +886-2-8919-1056
http://www.aaeon.com.tw

Temperature Profile Test:

Component Side – 1:



Point	Position	Describe	Tc	Tm (25℃)	Tm (60℃)	Note
1	U9	IC.SMD.SSOP48 Chipset.INTEL.DA82562ET	0℃~135℃	30.2℃	65.2℃	
2	U19	IC.SMD.IT8712F 128P Super I/O.ITE.IT8712F/GX	0℃~70℃	30.9℃	65.9℃	
3	U4	IC.SMD.Chipset ICH4.INTEL.FW82801DB SL6DM	0℃~100℃	30.6℃	65.6℃	
4	U3	IC.SMD.Chipset MONTARA.INTEL.RG82855GME	0℃~100℃	30.6℃	65.6℃	
5	L5	TF)COIL.1.0uH.SMD.12.9*12.9*5mm.DCR=2.1m ohm.Idc=29Amp.VISHAY.HLP5050EZER1R0M01	-55℃~125℃	29.3℃	64.3℃	
6	Q25	REG.SMD.SOT-223.1A Dorpout Regulator.AMS.AMS1117-3.3	--35℃~120℃	33.7℃	68.7℃	
7	U42	IC.SMD TFBGA.160P.PCI to ISA Bridge Chip.ITE.IT8888G	0℃~70℃	31.4℃	66.4℃	
8	U2	(TF)IC.SMD.SSOP 56P.CLOCK GENERATOR.ICS.ICS952601FLFT	0℃~115℃	32.0℃	67.0℃	
9	L8	INDUCTOR.3.3uH.20%.SMDDCR=12mohm Isat=27A.VISHAY.IHLP2525CZRZ3R3M01	-25℃~95℃	31.4℃	66.4℃	
10	C14	MCC.10uF.10V.20%.X5R 0805.SMD	-55℃~150℃	30.7℃	81.6℃	
11						
12						
13						
14						
15		Ambient Temperature		26.4℃		

1. Operation Temperature (℃):
Tc(Case temp.) = Ta(Ambient Temp.)+/-30℃ = Tj(Junction Temp.)-/+25℃

Note: The description in red states which temperature is over the specification of the device.

AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd.,
Hsin-Tien City, Taipei, Taiwan, R.O.C.
TEL: +886-2-8919-1234
FAX: +886-2-8919-1056
http://www.aaeon.com.tw