

PER-C35L

Thermal Image Analysis Report

Report NO: 10I080002

Sample Configuration & Quantity Under Test

- Model: PER-C35L A0.1(With FWS-7600)
- CPU: Intel(R) Pentium D Processor 840 3.2GHz
- Memory: DSL DDR2-533 1GB
- HDD: Hitachi 3.5" SATA II HDS721616PLA380 160GB
- BIOS : FWS-7600 BIOS Rev 1.0(05/15/2008)
- Test Software: Ping from system A to B under Windows Server 2008

Test Result Summary

- Pass
 Fail
 Pass with Deviation

Comment: . _____

2010/03/10

Issue Stamp

Jansin Lee

Sr.Manager

Anderson Lin

Test Engineer

Thermal Image Analysis

I . Model Name: PER-C35L Rev:A 0.1

II . Description: PCI-Express 10G Ethernet Module

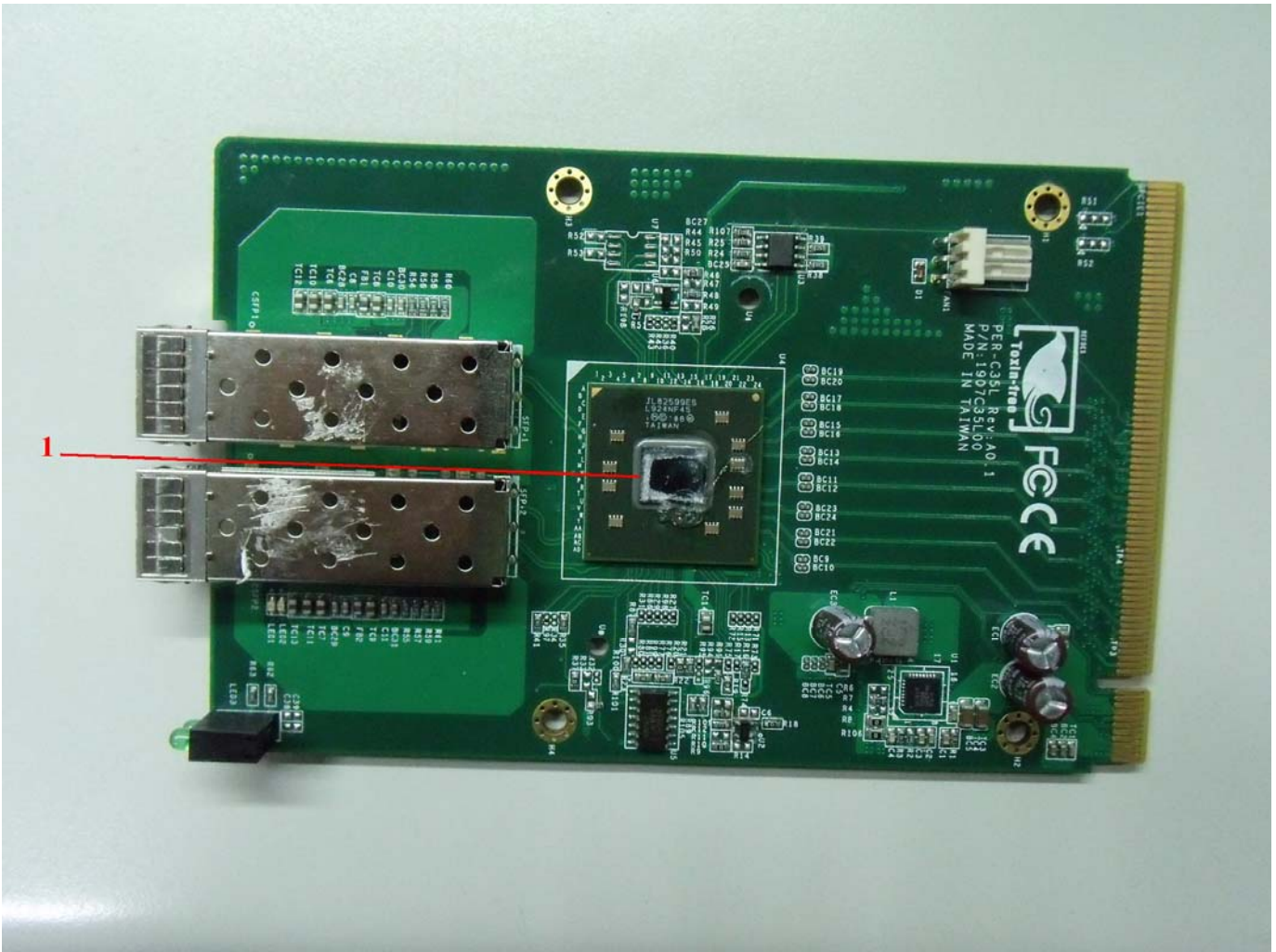
III . Date: 2010/03/10

IV . Measure Site: AAEON QE Dept.

V . Issued by : Anderson Lin

**VI.Equipment:
Digital Thermometer(DE-3004)**

Temperature Profile Test: Component Side-1:



Point	Position	Describe	Tc (°C)*1	Tm*2 Measured Under		Note
				26.0°C	60°C	
1	U4	LAN Module.PCI-E interface.Intel 82599 chipset.10 Gigabit Ethernet x 2.Rev. A1.0	119	57	91	

Note(*):

1. "Tc" indicates the component's case maximum temperature value specified in its datasheet.
2. "Tm" indicates the measured Tc value under working environmental temperature within product specification.

3. Judgment Criteria:

- **Fail** : $T_m > T_c + 5^{\circ}\text{C}$; The measured value is over specification plus margin.
- **Margin** : $T_c + 5^{\circ}\text{C} > T_m > T_c - 10^{\circ}\text{C}$; The measured value is within specification with margin.
For FANLESS system application, it is strongly recommended to add thermal dissipation design for better reliability.
- **Pass** : $T_m < T_c - 10^{\circ}\text{C}$; The measured value is with safety margin