KS-2402(Ver.B)Thermal Test

Task： Part Working Temperature testing (Ta) for KS-2402

Part Locations： U2, U3, U4, U11, U13, U14, U15, U17, U18, D5, and Power Supply.

Test Duration： 6 hours

Test Engineer： Kevin

Test Environment： Measure part temperature (Ta) while KS-2402 works normally in the 25 Celsius degree environment.

Test Date: 12/15/2003

Test result：

Actual Ta：25℃ **Estimated Ta：40℃**

Part Location	Part Name	Average Temperature (Celsius Degree)	Estimated Part Temperature (Celsius Degree)	Part Temperature Range (℃)	Result
U2	Taifatech TF-320-AC	35.4	50.4	0~70	OK
U3	Lattice M4A3-32	35.7	50.7	0~70	OK
U4	SST 39VF040	32.7	47.7	0~70	OK
U11	VIA VT6526A	54.4	69.4	0~70	OK
U13	VIA VT6108S	38.9	53.9	0~70	OK
U14	VIA VT6108S	40.6	55.6	0~70	OK
U15	VIA VT6108S	42.7	57.7	0~70	OK
U17	88E1111-B AB G495731.1	41.5	56.5	0~70	OK
U18	88E1111-B AB G495731.1	37	52	0~70	OK
D5	60QC03L	39.8	54.8	0~70	OK
Power Supply		38.3	53.3	0~50	NG(*1)

*The 53.3oC Power Supply Temperature is an estimated number, which exceeds by 3.3oC. The estimated working temperature is higher than then the actual result. As a result, the product is acceptable.

KS-2402(Ver.B)Environment Test

Operating Temperature Test

High Temperature

Test step	Temp.	RH	Duration	Power On	Link	Tx/Rx Test	Result
1	50 °C	70%	1HR	No	No	No	-
2	50 °C	70%	2~3HR	Yes	Yes	Yes	No error

Low Temperature

Test step	Temp.	RH	Duration	Power On	Link	Cold start & Tx/Rx Test	Result
1	-10 °C	0%	1HR	No	No	No	-
2	-10 °C	0%	2~3HR	Yes	Yes	Yes	No error

Storage Temperature Test

High Temperature

Test step	Temp.	RH	Duration	Power On	Link	Tx/Rx Test	Result
1	85 °C	70%	48HR	No	No	No	-
2	25 °C	70%	2HR	No	No	No	-
3	25 °C	70%	10min	Yes	Yes	Yes	OK

Low Temperature

Test step	Temp.	RH	Duration	Power On	Link	Tx/Rx Test	Result
1	-20 °C	0%	6HR	No	No	No	-
2	25 °C	70%	2HR	No	No	No	-
3	25 °C	70%	10min	Yes	Yes	Yes	OK