APPENDIX L

: RF EXPOSURE EVALUATION

1. RF Exposure Evaluation

Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V06, FCC 47CFR § 2.1093 the following RF exposure evaluation shall to demonstrate RF exposure compliance

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] *[√f(GHz)]

IEEE 802.11b

Frequency	Average Conducted Output Power(dBm)	Target Power /tolerance (dBm)	Max tune up power Tolerance (dBm)	Maximum Average Output Power(mW)	Separation Destance (mm)	RF Exposure
2412	0.97	1.0 ± 1.0	2.0	1.59	5	0.49
2437	0.95	1.0 ± 1.0	2.0	1.59	5	0.49
2462	1.05	1.0 ± 1.0	2.0	1.59	5	0.49

IEEE 802.11g

Frequency	Average Conducted Output Power(dBm)	Target Power /tolerance (dBm)	Max tune up power Tolerance (dBm)	Maximum Average Output Power(mW)	Separation Destance (mm)	RF Exposure
2412	1.74	1.5 ± 1.0	2.5	1.78	5	0.55
2437	1.77	1.5 ± 1.0	2.5	1.78	5	0.55
2462	1.95	1.5 ± 1.0	2.5	1.78	5	0.55

IEEE 802.11n

Frequency	Average Conducted Output Power(dBm)	Target Power /tolerance (dBm)	Max tune up power Tolerance (dBm)	Maximum Average Output Power(mW)	Separation Destance (mm)	RF Exposure
2412	1.73	1.5 ± 1.0	2.5	1.78	5	0.55
2437	1.67	1.5 ± 1.0	2.5	1.78	5	0.55
2462	1.73	1.5 ± 1.0	2.5	1.78	5	0.55

The Max RF exposure is 0.55
Threshold at which no SAR required is << 3 for 1-g SAR, Separation distance is 5 mm

Conclusion:
So no SAR is required.