

1. RF EXPOSURE EVALUATION

Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V05, FCC 47CFR § 2.1093 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]$

$\times [\sqrt{f(\text{GHz})}]$

	Frequency (MHz)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Output Power: mW	Separation distance mm	RF exposure
802.11b	2412	8.6 ±1.0	9.6	9.12	5	2.83
	2437	8.6 ±1.0	9.6	9.12	5	2.85
	2462	8.6 ±1.0	9.6	9.12	5	2.86
802.11g	2412	8 ±1.0	9	7.94	5	2.47
	2437	8 ±1.0	9	7.94	5	2.48
	2462	8 ±1.0	9	7.94	5	2.49
802.11n(HT20)	2412	7 ±1.0	8	6.31	5	1.96
	2437	7 ±1.0	8	6.31	5	1.97
	2462	7 ±1.0	8	6.31	5	1.98
802.11n(HT40)	2422	6 ±1.0	7	5.01	5	1.56
	2437	6 ±1.0	7	5.01	5	1.56
	2452	6 ±1.0	7	5.01	5	1.57

The Max RF exposure is 2.86.

Threshold at which no SAR required is ≤ 3.0 for 1-g SAR, Separation distance is 5mm.

Conclusion:

So no SAR is required.