

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.

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

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

WIFI

	Average Conducted Output Power (dBm)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Average Output Power: mW	Separation distance mm	RF exposure
802.11B						
2412	9.46	8.5±1.0	9.5	8.913	5	2.768
2437	9.42	8.5±1.0	9.5	8.913	5	2.744
2462	9.38	8.5±1.0	9.5	8.913	5	2.885
802.11G						
2412	8.75	8.0±1.0	9.0	7.943	5	2.467
2437	8.69	8.0±1.0	9.0	7.943	5	2.446
2462	8.53	8.0±1.0	9.0	7.943	5	2.571
802.11N(20)						
2412	7.78	7.0±1.0	8.0	6.310	5	1.960
2437	7.63	7.0±1.0	8.0	6.310	5	1.943
2462	7.57	7.0±1.0	8.0	6.310	5	2.043
802.11N(40)						
2422	7.57	7.0±1.0	8.0	6.310	5	1.964
2437	7.55	7.0±1.0	8.0	6.310	5	1.943
2452	7.49	7.0±1.0	8.0	6.310	5	2.003

The Max RF exposure is 2.885

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

Conclusion:

So no SAR is required.