

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	8.7±1.0	9.7	9.333	5	2.899
2437	9.62	8.7±1.0	9.7	9.333	5	2.914
2462	9.39	8.7±1.0	9.7	9.333	5	2.929
802.11G						
2412	8.38	8.0±1.0	9.0	7.943	5	2.467
2437	8.57	8.0±1.0	9.0	7.943	5	2.480
2462	8.41	8.0±1.0	9.0	7.943	5	2.493
802.11N(20)						
2412	7.68	7.0±1.0	8.0	6.310	5	1.960
2437	7.82	7.0±1.0	8.0	6.310	5	1.970
2462	7.63	7.0±1.0	8.0	6.310	5	1.980

The Max RF exposure is 2.929

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

Conclusion:

So no SAR is required.