

# 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)]

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	9.43	8.5±1.0	9.5	8.913	5	2.768
2437	9.35	8.5±1.0	9.5	8.913	5	2.744
2462	9.21	8.5±1.0	9.5	8.913	5	2.885
802.11G						
2412	8.45	8.0±1.0	9.0	7.943	5	2.467
2437	8.54	8.0±1.0	9.0	7.943	5	2.446
2462	8.36	8.0±1.0	9.0	7.943	5	2.571
802.11N(20)						
2412	7.62	7.0±1.0	8.0	6.310	5	1.960
2437	7.58	7.0±1.0	8.0	6.310	5	1.943
2462	7.75	7.0±1.0	8.0	6.310	5	2.043
802.11N(40)						
2422	7.63	7.0±1.0	8.0	6.310	5	1.964
2437	7.52	7.0±1.0	8.0	6.310	5	1.943
2452	7.38	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  $\leq 3.0$  for 1-g SAR, Separation distance is 5mm.

### Conclusion:

So no SAR is required.