

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.

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

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

WIFI 2.4GHz

Frequency (MHz)	Peak 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	9.53	8.7±1.0	9.7	9.333	5	2.899
2437	9.68	8.7±1.0	9.7	9.333	5	2.914
2462	9.36	8.7±1.0	9.7	9.333	5	2.929
802.11g						
2412	9.24	8.4±1.0	9.4	8.710	5	2.705
2437	9.35	8.4±1.0	9.4	8.710	5	2.719
2462	9.32	8.4±1.0	9.4	8.710	5	2.733
802.11n(HT20)						
2412	8.41	7.6±1.0	8.6	7.244	5	2.250
2437	8.56	7.6±1.0	8.6	7.244	5	2.262
2462	8.31	7.6±1.0	8.6	7.244	5	2.273
802.11n(HT40)						
2422	7.69	6.9±1.0	7.9	6.166	5	1.919
2437	7.82	6.9±1.0	7.9	6.166	5	1.925
2452	7.53	6.9±1.0	7.9	6.166	5	1.931

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.