

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.

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

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

	Peak Output power	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Output Power: mW	Separation distance mm	RF exposure
1Mbps						
2402	1.444	1.0±1.0	2.0	1.58	5	0.490
2441	1.867	1.0±1.0	2.0	1.58	5	0.494
2480	1.906	1.0±1.0	2.0	1.58	5	0.498
2Mbps						
2402	0.904	1.0±1.0	2.0	1.58	5	0.490
2441	1.401	1.0±1.0	2.0	1.58	5	0.494
2480	1.446	1.0±1.0	2.0	1.58	5	0.498
3Mbps						
2402	1.403	1.0±1.0	2.0	1.58	5	0.490
2441	1.807	1.0±1.0	2.0	1.58	5	0.494
2480	1.711	1.0±1.0	2.0	1.58	5	0.498

The Max RF exposure is 0.498.

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

Conclusion:

So no SAR is required.