

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.

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

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

BT						
	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	4.745	5.0±1.0	6.0	3.981	5	1.234
2441	6.560	6.0±1.0	7.0	5.012	5	1.566
2480	6.863	6.0±1.0	7.0	5.012	5	1.579
2Mbps						
2402	2.511	3.0±1.0	4.0	2.512	5	0.779
2441	4.898	4.0±1.0	5.0	3.162	5	0.988
2480	5.283	5.0±1.0	6.0	3.981	5	1.254
3Mbps						
2402	3.084	4.0±1.0	5.0	3.162	5	0.980
2441	5.415	5.0±1.0	6.0	3.981	5	1.244
2480	5.723	5.0±1.0	6.0	3.981	5	1.254
BLE						
2402	1.873	2.0±1.0	3.0	1.995	5	0.618
2440	2.274	2.0±1.0	3.0	1.995	5	0.623
2480	2.339	2.0±1.0	3.0	1.995	5	0.628

The Max RF exposure is 1.579

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

Conclusion:

So no SAR is required.