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)]

BT3.0

	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	1.716	2.5±1.0	3.5	2.239	5	0.694
2441	2.507	2.5±1.0	3.5	2.239	5	0.700
2480	3.21	2.5±1.0	3.5	2.239	5	0.705
2Mbps						
2402	1.111	1.6±1.0	2.6	1.820	5	0.564
2441	1.515	1.6±1.0	2.6	1.820	5	0.569
2480	2.468	1.6±1.0	2.6	1.820	5	0.573
3Mbps						
2402	0.831	1.6±1.0	2.6	1.820	5	0.564
2441	1.784	1.6±1.0	2.6	1.820	5	0.569
2480	2.596	1.6±1.0	2.6	1.820	5	0.573

BT4.0

	Peak Output power	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Output Power: mW	Separation distance mm	RF exposure
2402	2.124	2 ±1.0	3.0	1.995	5	0.618
2440	2.353	2±1.0	3.0	1.995	5	0.623
2480	2.445	2 ±1.0	3.0	1.995	5	0.628

The Max RF exposure is 0.705.

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

Conclusion:

So no SAR is required.