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	1.791	2.5±1.0	3.5	2.239	5	0.694
2441	2.924	2.5±1.0	3.5	2.239	5	0.700
2480	2.783	2.5±1.0	3.5	2.239	5	0.705
2Mbps						
2402	-0.565	0.4±1.0	1.4	1.380	5	0.428
2441	1.021	0.4±1.0	1.4	1.380	5	0.431
2480	0.861	0.4±1.0	1.4	1.380	5	0.435
3Mbps						
2402	0.301	1.0±1.0	2.0	1.585	5	0.491
2441	1.473	1.0±1.0	2.0	1.585	5	0.495
2480	1.345	1.0±1.0	2.0	1.585	5	0.499

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	3.674	3 ±1.0	4.0	2.512	5	0.779
2440	3.603	3±1.0	4.0	2.512	5	0.785
2480	2.945	3 ±1.0	4.0	2.512	5	0.791

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.