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.

[(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	1.658	2.0±1.0	3.0	1.995	5	0.618
2441	2.123	2.0±1.0	3.0	1.995	5	0.623
2480	1.722	20±1.0	3.0	1.995	5	0.628
2Mbps						
2402	-0.393	0.5±1.0	1.5	1.413	5	0.438
2441	0.456	0.5±1.0	1.5	1.413	5	0.441
2480	1.237	0.5±1.0	1.5	1.413	5	0.445
3Mbps						
2402	0.374	0.5±1.0	1.5	1.413	5	0.438
2441	0.522	0.5±1.0	1.5	1.413	5	0.441
2480	0.662	0.5±1.0	1.5	1.413	5	0.445

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	3.204	3 ±1.0	4	2.512	5	0.779
2440	3.698	3±1.0	4	2.512	5	0.785
2480	3.861	3 ±1.0	4	2.512	5	0.791

The Max RF exposure is 0.791.

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

Conclusion:

So no SAR is required.