

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	-0.429	0.4±1.0	1.4	1.380	5	0.428
2441	1.374	0.4±1.0	1.4	1.380	5	0.431
2480	1.007	0.4±1.0	1.4	1.380	5	0.435
2Mbps						
2402	-3.770	-2.9±1.0	-1.9	0.646	5	0.200
2441	-1.489	-2.9±1.0	-1.9	0.646	5	0.202
2480	-1.839	-2.9±1.0	-1.9	0.646	5	0.203
3Mbps						
2402	-3.064	-2.1±1.0	-1.1	0.776	5	0.241
2441	-1.320	-2.1±1.0	-1.1	0.776	5	0.242
2480	-1.712	-2.1±1.0	-1.1	0.776	5	0.244
BLE						
2402	1.126	0.8±1.0	1.8	1.492	5	0.462
2440	1.684	0.8±1.0	1.8	1.492	5	0.466
2480	1.795	0.8±1.0	1.8	1.492	5	0.470

The Max RF exposure is 0.470

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

Conclusion:

So no SAR is required.