

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	-0.161	4.3±1.0	5.3	3.388	5	1.050
2441	3.092	4.3±1.0	5.3	3.388	5	1.059
2480	5.265	4.3±1.0	5.3	3.388	5	1.067
2Mbps						
2402	-2.288	3.6±1.0	4.6	2.884	5	0.894
2441	2.223	3.6±1.0	4.6	2.884	5	0.901
2480	4.532	3.6±1.0	4.6	2.884	5	0.908
3Mbps						
2402	-1.881	3.7±1.0	4.7	2.951	5	0.915
2441	2.415	3.7±1.0	4.7	2.951	5	0.922
2480	4.693	3.7±1.0	4.7	2.951	5	0.930
BLE						
2402	0.868	3.6±1.0	4.6	2.884	5	0.894
2440	3.411	3.6±1.0	4.6	2.884	5	0.901
2480	4.512	3.6±1.0	4.6	2.884	5	0.908

The Max RF exposure is 1.067

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

Conclusion:

So no SAR is required.