

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	3.722	4.7±1.0	5.7	3.715	5	1.152
2441	4.307	4.7±1.0	5.7	3.715	5	1.161
2480	5.679	4.7±1.0	5.7	3.715	5	1.170
2Mbps						
2402	2.914	3.7±1.0	4.7	2.951	5	0.915
2441	3.113	3.7±1.0	4.7	2.951	5	0.922
2480	4.687	3.7±1.0	4.7	2.951	5	0.930
3Mbps						
2402	3.044	4.0±1.0	5.0	3.162	5	0.980
2441	3.426	4.0±1.0	5.0	3.162	5	0.988
2480	4.924	4.0±1.0	5.0	3.162	5	0.996
BLE						
2402	1.625	1.4±1.0	2.4	1.738	5	0.539
2440	2.109	1.4±1.0	2.4	1.738	5	0.543
2480	2.238	1.4±1.0	2.4	1.738	5	0.547

The Max RF exposure is 1.170

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

Conclusion:

So no SAR is required.