

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)]

* [$\sqrt{f(\text{GHz})}$]

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	5.558	6.3±1.0	7.3	5.370	5	1.665
2441	6.667	6.3±1.0	7.3	5.370	5	1.678
2480	7.218	6.3±1.0	7.3	5.370	5	1.691
2Mbps						
2402	4.734	5.4±1.0	6.4	4.365	5	1.353
2441	5.996	5.4±1.0	6.4	4.365	5	1.364
2480	6.311	5.4±1.0	6.4	4.365	5	1.375
3Mbps						
2402	4.927	5.7±1.0	6.7	4.677	5	1.450
2441	6.192	5.7±1.0	6.7	4.677	5	1.462
2480	6.601	5.7±1.0	6.7	4.677	5	1.473
BLE						
2402	5.854	6.7±1.0	7.7	5.888	5	1.825
2440	7.279	6.7±1.0	7.7	5.888	5	1.840
2480	7.663	6.7±1.0	7.7	5.888	5	1.855

The Max RF exposure is 1.855

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

Conclusion:

So no SAR is required.