

# 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.

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance,mm)]

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

### BT-BDR+EDR

	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	1.5 ± 1	2.5	1.778	5	0.551
2441	2.123	1.5 ± 1	2.5	1.778	5	0.556
2480	1.722	1.5 ± 1	2.5	1.778	5	0.560
2Mbps						
2402	-0.393	0.5 ± 1	1.5	1.413	5	0.438
2441	0.456	0.5 ± 1	1.5	1.413	5	0.442
2480	1.237	0.5 ± 1	1.5	1.413	5	0.445
3Mbps						
2402	0.374	0.5 ± 1	1.5	1.413	5	0.438
2441	0.522	0.5 ± 1	1.5	1.413	5	0.442
2480	0.662	0.5 ± 1	1.5	1.413	5	0.445

### BLE

	Peak Output power	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Output Power: mW	Separation distance mm	RF exposure
2402	-4.133	-4.0 ± 1	-3.0	0.501	5	0.155
2440	-4.512	-4.0 ± 1	-3.0	0.501	5	0.157
2480	-4.321	-4.0 ± 1	-3.0	0.501	5	0.158

The Max RF exposure is 0.560

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

### Conclusion:

So no SAR is required.