

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.

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

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

BT3.0

	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	-3.550	-3.0±1.0	-2.0	0.631	5	0.196
2441	-3.132	-3.0±1.0	-2.0	0.631	5	0.197
2480	-3.190	-3.0±1.0	-2.0	0.631	5	0.199
2Mbps						
2402	-3.987	-4±1.0	-3.0	0.501	5	0.155
2441	-4.08	-4±1.0	-3.0	0.501	5	0.157
2480	-4.596	-4±1.0	-3.0	0.501	5	0.158
3Mbps						
2402	-3.657	-4±1.0	-3.0	0.501	5	0.155
2441	-3.851	-4±1.0	-3.0	0.501	5	0.157
2480	-4.363	-4±1.0	-3.0	0.501	5	0.158

BT4.0

	Peak Output power	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Maximum Output Power: mW	Separation distance mm	RF exposure
2402	-1.204	-2 ±1.0	-1.0	0.794	5	0.246
2440	-1.698	-2±1.0	-1.0	0.794	5	0.248
2480	-1.861	-2±1.0	-1.0	0.794	5	0.250

The Max RF exposure is 0.250

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

Conclusion:

So no SAR is required.