



**APPENDIX A**  
**: RF EXPOSURE EVALUATION**



## 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

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] * [\sqrt{f(\text{GHz})}]$$

#### Bluetooth Low Energy

Frequency (MHz)	Average Conducted Output Power(dBm)	Target Power /tolerance (dBm)	Max tune up power Tolerance (dBm)	Maximum Average Output Power(mW)	Separation Distance (mm)	RF Exposure
2 402	1.5	2 ± 1	3	1.995	5	0.62
2 440	2.3	2 ± 1	3	1.995	5	0.62
2 480	2.6	2 ± 1	3	1.995	5	0.63

The Max RF exposure is 0.63

Threshold at which no SAR required is  $\ll 3$  for 1-g SAR, Separation distance is 5 mm

### Conclusion:

So no SAR is required.