

**RF Exposure Evaluation for FCC:****SAR Test Exclusion Calculations****FCC: According to KDB 447498 D01 v06.**

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Test Result of RF Exposure Evaluation

We use 5mm as separation distance to calculated.

DTS:BLE

Antenna Gain: -0.68dBi

Modulation	Channel Freq. (MHz)	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	Limit 1-g SAR
				power(dBm)	calculation	
GFSK	2402	1.43	1 $\pm$ 1	2	0.4913	3
	2440	-3.22	-3 $\pm$ 1	-2	0.1972	3
	2480	-2.85	-2 $\pm$ 1	-1	0.2502	3

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure.