

**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

- $f(\text{GHz})$ 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: 3dBi

Modulation	Channel Freq. (MHz)	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	Limit 1-g SAR
				power(dBm)	calculation	
GFSK	2402	1.53	1±1	2	0.4913	3
	2441	1.88	1±1	2	0.4951	3
	2480	2.49	2±1	3	0.6284	3



DSS:BT

Antenna Gain: 3dBi

Modulation	Channel Freq. (MHz)	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	Limit 1-g SAR
				power(dBm)	calculation	
GFSK	2402	1.51	1±1	2	0.4913	3
	2441	1.83	1±1	5	0.9881	3
	2480	2.44	2±1	3	0.6284	3
π/4-DQPSK	2402	1.55	1±1	2	0.4913	3
	2441	1.85	1±1	2	0.4952	3
	2480	2.49	2±1	3	0.6284	3
8-DPSK	2402	1.73	1±1	2	0.4913	3
	2441	2.03	2±1	3	0.6235	3
	2480	2.66	2±1	3	0.6284	3

Note: BLE and BT cannot transmit simultaneously

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure.