

**FCC ID: EMOIBT11**

**Portable device**

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] * \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1-g SAR and  $\leq 7.5$  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;

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

BT DSS:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1-g SAR
				power(dBm)	calculation	
2.402	GFSK	4.083	4±1	5	0.9802	3
2.441	GFSK	4.806	4±1	5	0.9881	3
2.48	GFSK	4.561	4±1	5	<b>0.9960</b>	3
2.402	$\pi/4$ -DQPSK	4.376	4±1	5	0.9802	3
2.441	$\pi/4$ -DQPSK	4.891	4±1	5	0.9881	3
2.48	$\pi/4$ -DQPSK	4.781	4±1	5	0.9960	3
2.402	8DPSK	4.737	4±1	5	0.9802	3
2.441	8DPSK	4.845	4±1	5	0.9881	3
2.48	8DPSK	4.866	4±1	5	0.9960	3

**Conclusion:**

For the max result :  $0.9960 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

Signature: 

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