

FCC ID: RYD-J185B

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 ≤ 50 mm are determined by:

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

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 ≤ 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	-6.378	-6±1	-5	0.0980	3
2.441	GFSK	-6.274	-6±1	-5	0.0988	3
2.48	GFSK	-6.941	-6±1	-5	0.0996	3
2.402	$\pi/4$ -DQPSK	-7.932	-8±1	-7	0.0618	3
2.441	$\pi/4$ -DQPSK	-7.856	-8±1	-7	0.0623	3
2.48	$\pi/4$ -DQPSK	-8.533	-8±1	-7	0.0628	3
2.402	8DPSK	-7.898	-8±1	-7	0.0618	3
2.441	8DPSK	-7.790	-8±1	-7	0.0623	3
2.48	8DPSK	-8.488	-8±1	-7	0.0628	3

Conclusion:

For the max result : 0.0618 ≤ 3.0 for 1-g SAR extremity SAR, No SAR is required.

Signature: 

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