

FCC ID: Z63-K9B047

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 V06

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ 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

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BR+EDR:

Antenna Type: FPC Antenna

Antenna Gain: 3.37 dBi

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	4.14	2.594	4.5±1	5.5	3.548	<5	1.09981	3.00	YES
	2.441	5.47	3.524	4.5±1	5.5	3.548	<5	1.10870	3.00	YES
	2.480	4.50	2.818	4.5±1	5.5	3.548	<5	1.11752	3.00	YES
π/4-DQPSK	2.402	3.57	2.275	4.5±1	5.5	3.548	<5	1.09981	3.00	YES
	2.441	5.35	3.428	4.5±1	5.5	3.548	<5	1.10870	3.00	YES
	2.480	3.95	2.483	4.5±1	5.5	3.548	<5	1.11752	3.00	YES
8DPSK	2.402	3.81	2.404	4.5±1	5.5	3.548	<5	1.09981	3.00	YES
	2.441	5.19	3.304	4.5±1	5.5	3.548	<5	1.10870	3.00	YES
	2.480	4.10	2.570	4.5±1	5.5	3.548	<5	1.11752	3.00	YES

BLE:

Antenna Type: FPC Antenna

Antenna Gain: 3.37dBi

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-7.02	0.199	-6.5±1	-5.5	0.282	<5	0.08736	3.00	YES
	2.44	-4.49	0.356	-5±1	-4	0.398	<5	0.12437	3.00	YES
	2.480	-5.68	0.270	-5±1	-4	0.398	<5	0.12539	3.00	YES

Conclusion:

For the max result : 1.11752 ≤ 3.0 for 1-g SAR, No SAR is required.

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Signature:

Date: 2019-03-26

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