

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:

- $f(\text{GHz})$ 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

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 : LDS Antenna

Antenna Gain: 0.85 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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	7.08	5.105	7±1	8	6.310	<5	1.95576	3.00	YES
	2.441	7.05	5.070	7±1	8	6.310	<5	1.97158	3.00	YES
	2.480	6.64	4.613	7±1	8	6.310	<5	1.98727	3.00	YES
$\pi/4$ -DQPSK	2.402	7.11	5.140	7±1	8	6.310	<5	1.95576	3.00	YES
	2.441	7.04	5.058	7±1	8	6.310	<5	1.97158	3.00	YES
	2.480	6.63	4.603	7±1	8	6.310	<5	1.98727	3.00	YES
8DPSK	2.402	7.13	5.164	7±1	8	6.310	<5	1.95576	3.00	YES
	2.441	7.04	5.058	7±1	8	6.310	<5	1.97158	3.00	YES
	2.480	6.66	4.634	7±1	8	6.310	<5	1.98727	3.00	YES

BLE:

Antenna Type : LDS Antenna

Antenna Gain: 0.85dBi

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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	6.75	4.732	6±1	7	5.012	<5	1.55352	3.00	YES
	2.44	6.76	4.742	6±1	7	5.012	<5	1.56576	3.00	YES
	2.480	6.4	4.365	6±1	7	5.012	<5	1.57854	3.00	YES

Conclusion:

For the max result : $1.98727 \leq 3.0$ for 1-g SAR, No SAR is required.

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Signature:

Date: 2018-08-31

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