

Portable device

According to §2.1093 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: Ceramic Antenna

Antenna Gain: 2dBi

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	3.64	2.312	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	4.86	3.062	4±1	5.0	3.162	<5	0.98813	3.00	YES
	2.48	4.15	2.600	4±1	5.0	3.162	<5	0.99599	3.00	YES
Pi/4DQPSK	2.402	4.49	2.812	4±1	5.0	3.162	<5	0.98020	3.00	YES
	2.441	6.36	4.325	6±1	7.0	5.012	<5	1.56608	3.00	YES
	2.48	5.28	3.373	5±1	6.0	3.981	<5	1.25388	3.00	YES
8DPSK	2.402	4.63	2.904	4±1	5.0	3.162	<5	0.98020	3.00	YES
	2.441	6.07	4.046	6±1	7.0	5.012	<5	1.56608	3.00	YES
	2.48	5.14	3.266	5±1	6.0	3.981	<5	1.25388	3.00	YES

Conclusion:

For the max result: $1.56576 \leq 3.0$ for 1-g SAR, No SAR is required.