

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  $\leq 50$  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  $\leq 7.5$  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: PCB Antenna

Antenna Gain: 1.21dBi

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	-2.20	0.603	-2±1	-1.0	0.794	<5	0.24622	3.00	YES
	2.441	-2.02	0.628	-2±1	-1.0	0.794	<5	0.24821	3.00	YES
	2.480	-2.36	0.581	-2±1	-1.0	0.794	<5	0.25018	3.00	YES
$\pi/4$ -DQPSK	2.402	0.16	1.038	0±1	1.0	1.259	<5	0.39023	3.00	YES
	2.441	0.31	1.074	0±1	1.0	1.259	<5	0.39338	3.00	YES
	2.480	-0.04	0.991	0±1	1.0	1.259	<5	0.39651	3.00	YES
8DPSK	2.402	0.59	1.146	0±1	1.0	1.259	<5	0.39023	3.00	YES
	2.441	0.81	1.205	0±1	1.0	1.259	<5	0.39338	3.00	YES
	2.480	0.43	1.104	0±1	1.0	1.259	<5	0.39651	3.00	YES

### Conclusion:

For the max result :  $0.39651 \leq 3.0$  for 1-g SAR, No SAR is required.



Signature:

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