

FCC ID: 2ARI7BB5

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHZ})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$

- $f(\text{GHZ})$ 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.

BT:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-2.438	0.57	-2 \pm 1	-1.00	0.79	<5	0.24622	3.00	YES
	2.44	-4.052	0.39	-4 \pm 1	-3.00	0.50	<5	0.15658	3.00	YES
	2.480	-4.818	0.33	-4 \pm 1	-3.00	0.50	<5	0.15785	3.00	YES
Pi/4 DQPSK	2.402	-1.864	0.65	-1 \pm 1	0.00	1.00	<5	0.30997	3.00	YES
	2.441	-3.479	0.45	-3 \pm 1	-2.00	0.63	<5	0.19716	3.00	YES
	2.480	-4.692	0.34	-4 \pm 1	-3.00	0.50	<5	0.15785	3.00	YES

Conclusion:

For the max result : 0.30997 \leq FCC Limit 3.0 for 1g SAR.