

FCC ID: 2A6BO-MJ01

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.

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	3.258	2.12	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.44	2.557	1.80	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	3.028	2.01	4±1	5.00	3.16	<5	0.99599	3.00	YES
$\pi/4$ DQPSK	2.402	3.22	2.10	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.44	2.671	1.85	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	3.19	2.08	4±1	5.00	3.16	<5	0.99599	3.00	YES
8DPSK	2.402	3.3	2.14	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.44	2.698	1.86	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	3.204	2.09	4±1	5.00	3.16	<5	0.99599	3.00	YES

Conclusion:

For the max result : $0.99599 \leq \text{FCC Limit } 3.0$ for 1g SAR.

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	-4.341	0.37	-4±1	-3.00	0.50	<5	0.15535	3.00	YES
	2.44	-5.206	0.30	-5±1	-4.00	0.40	<5	0.12437	3.00	YES
	2.480	-4.965	0.32	-4±1	-3.00	0.50	<5	0.15785	3.00	YES

Conclusion:

For the max result : $0.15785 \leq \text{FCC Limit } 3.0$ for 1g SAR.