

FCC ID: 2AN4U-V2

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(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)	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.24	0.47	-3.5±1	-2.5	0.56	<5	0.17431	3.00	YES
	2.441	-2.66	0.54	-3.5±1	-2.5	0.56	<5	0.17572	3.00	YES
	2.480	-2.81	0.52	-3.5±1	-2.5	0.56	<5	0.17712	3.00	YES
π/4-DQPSK	2.402	-1.83	0.66	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-1.27	0.75	-2±1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.49	0.71	-2±1	-1	0.79	<5	0.25018	3.00	YES
8DPSK	2.402	-1.67	0.68	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-1.05	0.79	-2±1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.29	0.74	-2±1	-1	0.79	<5	0.25018	3.00	YES

BLE:

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.18	0.48	-3.5±1	-2.5	0.56	<5	0.17431	3.00	YES
	2.440	-2.57	0.55	-3.5±1	-2.5	0.56	<5	0.17568	3.00	YES
	2.480	-2.74	0.53	-3.5±1	-2.5	0.56	<5	0.17712	3.00	YES

Conclusion:

For the max result : 0.25018W/Kg ≤ 3.0 for 1g SAR, No SAR is required.

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Signature:

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