

FCC ID: 2ANWFET4200VCI

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-8.47	0.14	-7.5±1	-6.5	0.22	<5	0.06939	3.00	YES
	2.441	-7.86	0.16	-7.5±1	-6.5	0.22	<5	0.06995	3.00	YES
	2.480	-7.94	0.16	-7.5±1	-6.5	0.22	<5	0.07051	3.00	YES
π/4-DQPSK	2.402	-7.58	0.17	-7.5±1	-6.5	0.22	<5	0.06939	3.00	YES
	2.441	-7.03	0.20	-7.5±1	-6.5	0.22	<5	0.06995	3.00	YES
	2.480	-7.12	0.19	-7.5±1	-6.5	0.22	<5	0.07051	3.00	YES
8-DPSK	2.402	-7.25	0.19	-7.5±1	-6.5	0.22	<5	0.06939	3.00	YES
	2.441	-6.75	0.21	-7.5±1	-6.5	0.22	<5	0.06995	3.00	YES
	2.480	-6.96	0.20	-7.5±1	-6.5	0.22	<5	0.07051	3.00	YES
BLE 1M	2.402	-3.09	0.49	-3±1	-2	0.63	<5	0.19558	3.00	YES
	2.440	-2.84	0.52	-3±1	-2	0.63	<5	0.19712	3.00	YES
	2.480	-3.21	0.48	-3±1	-2	0.63	<5	0.19873	3.00	YES
BLE 2M	2.402	-3.03	0.50	-3±1	-2	0.63	<5	0.19558	3.00	YES
	2.440	-2.74	0.53	-3±1	-2	0.63	<5	0.19712	3.00	YES
	2.480	-3.07	0.49	-3±1	-2	0.63	<5	0.19873	3.00	YES

Conclusion:

For the max result : $0.19873 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

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