

FCC ID: 2BWWN-G6

Portable device

According to 47 CFR, Part2.1093 and 47 CFR, Part1.1307, 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.

BR+EDR:

Antenna Type: Chip Antenna

Antenna Gain: 2.7dBi

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	-3.14	0.49	-3 $\pm$ 1	-2	0.63	<5	0.19558	3.00	YES
	2.441	-2.83	0.52	-3 $\pm$ 1	-2	0.63	<5	0.19716	3.00	YES
	2.480	-2.4	0.58	-2 $\pm$ 1	-1	0.79	<5	0.25018	3.00	YES
1/4-DQPSK	2.402	-2.26	0.59	-2 $\pm$ 1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-2.05	0.62	-2 $\pm$ 1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.69	0.68	-2 $\pm$ 1	-1	0.79	<5	0.25018	3.00	YES
8-DPSK	2.402	-1.98	0.63	-2 $\pm$ 1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-1.77	0.67	-2 $\pm$ 1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.54	0.70	-2 $\pm$ 1	-1	0.79	<5	0.25018	3.00	YES

BLE:

Antenna Type: Chip Antenna

Antenna Gain: 2.7dBi

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
BLE 1M	2.402	-2.91	0.51	-3 $\pm$ 1	-1	0.79	<5	0.24622	3.00	YES
	2.440	-2.59	0.55	-3 $\pm$ 1	-2	0.63	<5	0.19712	3.00	YES
	2.480	-2.36	0.58	-2 $\pm$ 1	-1	0.79	<5	0.25018	3.00	YES
BLE 2M	2.402	-5.07	0.31	-5 $\pm$ 1	-4	0.40	<5	0.12340	3.00	YES
	2.440	-4.79	0.33	-5 $\pm$ 1	-4	0.40	<5	0.12437	3.00	YES
	2.480	-4.48	0.36	-5 $\pm$ 1	-4	0.40	<5	0.12539	3.00	YES

2.4G:

Antenna Type: Chip Antenna

Antenna Gain: 2.7dBi

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
B	2.412	8.44	6.98	8 $\pm$ 1	9	7.94	<5	2.46728	3.00	YES
	2.437	8.25	6.68	8 $\pm$ 1	9	7.94	<5	2.48003	3.00	YES
	2.462	7.66	5.83	7 $\pm$ 1	8	6.31	<5	1.98004	3.00	YES
G	2.412	7.81	6.04	8 $\pm$ 1	9	7.94	<5	2.46728	3.00	YES
	2.437	7.99	6.30	8 $\pm$ 1	9	7.94	<5	2.48003	3.00	YES
	2.462	7.13	5.16	7 $\pm$ 1	8	6.31	<5	1.98004	3.00	YES
N20	2.412	7.45	5.56	7 $\pm$ 1	8	6.31	<5	1.95983	3.00	YES
	2.437	7.46	5.57	7 $\pm$ 1	8	6.31	<5	1.96996	3.00	YES
	2.462	7.31	5.38	7 $\pm$ 1	8	6.31	<5	1.98004	3.00	YES

Conclusion:

Worst case is Simultaneous Transmissions for 2.4G Wi-Fi+BT

Band	Mode	Tune up (dBm)	Tune up (mW)	Standalone	Standalone	Simultaneous		Verdict
				Result calculation	1g SAR Exclusion threshold	Evaluation result	Limit	
2.4G Wi-Fi+BT	BT	-1	0.79	0.2502	3	0.9101	1	PASS
	2.4G WIFI	9	7.94	2.4800	3			

For the max result: $0.9101 \leq 1.0$ for 1-g SAR, No SAR is required.

Signature: 

Date: 2026-07-03

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