



FCC ID: XHWEWT118

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-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	4.25	2.66	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.440	4.50	2.82	4±1	5.00	3.16	<5	0.98793	3.00	YES
	2.480	4.73	2.97	4±1	5.00	3.16	<5	0.99599	3.00	YES

BT-EDR

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	4.32	2.70	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.56	2.86	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	4.75	2.99	4±1	5.00	3.16	<5	0.99599	3.00	YES
Pi/4 DQPSK	2.402	5.45	3.51	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	5.82	3.82	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.13	4.10	6±1	7.00	5.01	<5	1.57854	3.00	YES
8DPSK	2.402	5.78	3.78	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	5.94	3.93	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.12	4.09	6±1	7.00	5.01	<5	1.57854	3.00	YES



WIFI:2.4G

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
802.11b	2.412	9.16	8.24	9±0.5	9.50	8.91	<5	2.76834	3.00	YES
	2.437	9.33	8.57	9±0.5	9.50	8.91	<5	2.78264	3.00	YES
	2.462	9.12	8.17	9±0.5	9.50	8.91	<5	2.79688	3.00	YES
802.11g	2.412	8.10	6.46	8.5±0.5	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.26	6.70	8.5±0.5	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.45	7.00	8.5±0.5	9.00	7.94	<5	2.49272	3.00	YES
802.11n20	2.412	8.55	7.16	8.5±0.5	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.75	7.50	8.5±0.5	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.87	7.71	8.5±0.5	9.00	7.94	<5	2.49272	3.00	YES
802.11n40	2.422	8.52	7.11	8.5±0.5	9.00	7.94	<5	2.47239	3.00	YES
	2.437	8.84	7.66	8.5±0.5	9.00	7.94	<5	2.48003	3.00	YES
	2.452	8.71	7.43	8.5±0.5	9.00	7.94	<5	2.48766	3.00	YES

Conclusion:

For the max result : 2.79688W/Kg ≤ FCC Limit 3.0 for 1g SAR.