

FCC ID: XHWEWT117

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/BLE/WIFI:

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	-1.21	0.76	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.441	-1.49	0.71	-1±1	0	1.00	<5	0.31247	3.00	YES
	2.480	-1.67	0.68	-1±1	0	1.00	<5	0.31496	3.00	YES
π/4-DQPSK	2.402	-0.69	0.85	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	-0.39	0.91	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.42	0.91	0±1	1	1.26	<5	0.39651	3.00	YES
8DPSK	2.402	-0.53	0.89	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	-0.25	0.94	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.31	0.93	0±1	1	1.26	<5	0.39651	3.00	YES
BLE	2.402	5.04	3.19	5±1	6	3.98	<5	1.23400	3.00	YES
	2.44	5.33	3.41	5±1	6	3.98	<5	1.24373	3.00	YES
	2.48	5.26	3.36	5±1	6	3.98	<5	1.25388	3.00	YES
802.11b	2.412	7.2	5.25	7±1	8	6.31	<5	1.95983	3.00	YES
	2.442	7.5	5.62	7±1	8	6.31	<5	1.97198	3.00	YES
	2.600	7.6	5.75	7±1	8	6.31	<5	2.03478	3.00	YES
802.11g	2.412	7.2	5.25	7±1	8	6.31	<5	1.95983	3.00	YES
	2.442	7.5	5.62	7±1	8	6.31	<5	1.97198	3.00	YES
	2.462	7.4	5.50	7±1	8	6.31	<5	1.98004	3.00	YES
802.11n HT20	2.412	7.2	5.25	7±1	8	6.31	<5	1.95983	3.00	YES
	2.442	7.5	5.62	7±1	8	6.31	<5	1.97198	3.00	YES
	2.462	7.4	5.50	7±1	8	6.31	<5	1.98004	3.00	YES
802.11n HT40	2.412	7.1	5.13	7±1	8	6.31	<5	1.95983	3.00	YES
	2.442	7.2	5.25	7±1	8	6.31	<5	1.97198	3.00	YES
	2.452	7.4	5.50	7±1	8	6.31	<5	1.97601	3.00	YES

Conclusion:

For the max result : 2.03478W/Kg ≤ 3.0 for 1g SAR, No SAR is required.

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Signature:

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