



FCC ID:XHWFUNTAB4

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.

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	1.969	1.57	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.746	1.88	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.433	1.75	2±1	3.00	2.00	<5	0.62843	3.00	YES

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	1.68	1.47	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.44	1.75	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.19	1.66	2±1	3.00	2.00	<5	0.62843	3.00	YES
Pi/4 DQPSK	2.402	2.96	1.98	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.77	2.38	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.39	2.18	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DPSK	2.402	3.13	2.06	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.95	2.48	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.56	2.27	3±1	4.00	2.51	<5	0.79114	3.00	YES



2.4G WIFI:

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
802.11b	2.412	8.57	7.19	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.34	6.82	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.24	6.67	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	8.33	6.81	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.4	6.92	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.38	6.89	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11n20	2.412	7.77	5.98	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.81	6.04	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.27	5.33	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n40	2.422	7.47	5.58	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.79	6.01	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.83	6.07	7±1	8.00	6.31	<5	1.97601	3.00	YES

Conclusion:

For the max result : 2.49272W/Kg ≤ FCC Limit 3.0 for 1g SAR.