



FCC ID: XHWPBSKD7001

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-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	1.650	1.46	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.260	1.68	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.920	1.56	2±1	3.00	2.00	<5	0.62843	3.00	YES
Pi/4 DQPSK	2.402	2.990	1.99	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.620	2.30	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.200	2.09	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DPSK	2.402	3.210	2.09	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.870	2.44	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.460	2.22	3±1	4.00	2.51	<5	0.79114	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	8.53	7.13	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.04	6.37	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.07	6.41	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	7.60	5.75	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.53	5.66	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.66	5.83	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n20	2.412	6.26	4.23	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.58	4.55	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.50	4.47	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n40	2.422	5.46	3.52	5±1	6.00	3.98	<5	1.23913	3.00	YES
	2.437	5.36	3.44	5±1	6.00	3.98	<5	1.24296	3.00	YES
	2.452	5.62	3.65	5±1	6.00	3.98	<5	1.24678	3.00	YES

Conclusion:

For the max result : $2.49272 \leq \text{FCC Limit } 3.0$ for 1g SAR.