



FCC ID: 2ASPCMPTI

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	2.05	1.60	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.440	5.26	3.36	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	6.36	4.33	6±1	7.00	5.01	<5	1.57854	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	2.06	1.61	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	4.94	3.12	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.39	4.36	6±1	7.00	5.01	<5	1.57854	3.00	YES
Pi/4 DQPSK	2.402	-0.4	0.91	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	3.67	2.33	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.3	3.39	6±1	7.00	5.01	<5	1.57854	3.00	YES
8DPSK	2.402	-0.11	0.97	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	4.07	2.55	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.32	3.40	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11b	2.412	7.28	5.35	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.95	6.24	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.59	5.74	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.40	4.37	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.23	4.20	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.93	4.93	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n20	2.412	5.42	3.48	5±1	6.00	3.98	<5	1.23657	3.00	YES
	2.437	5.61	3.64	5±1	6.00	3.98	<5	1.24296	3.00	YES
	2.462	5.93	3.92	5±1	6.00	3.98	<5	1.24932	3.00	YES

WIFI:5G

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
802.11 a	5.180	7.40	5.50	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.200	7.87	6.12	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.240	7.05	5.07	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11 ac(HT20)	5.180	7.49	5.61	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.200	7.86	6.11	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.240	7.06	5.08	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11 ac(HT40)	5.190	6.59	4.56	6±1	7.00	5.01	<5	2.28357	3.00	YES
	5.230	6.21	4.18	6±1	7.00	5.01	<5	2.29235	3.00	YES
802.11 ac (HT80)	5.210	4.07	2.55	5±1	6.00	3.98	<5	1.81739	3.00	YES

2.4G-RF

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	5.28	3.37	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.440	5.92	3.91	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.482	5.83	3.83	5±1	6.00	3.98	<5	1.25439	3.00	YES

Conclusion:

For the max result : 2.88865W/Kg ≤ FCC Limit 3.0 for 1g SAR.