

FCC ID: 2A933-H12

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.

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	0.683	1.17	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	0.625	1.15	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.163	1.31	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	1.512	1.42	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.446	1.40	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.959	1.57	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	1.9	1.55	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.861	1.53	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.378	1.73	3±1	4.00	2.51	<5	0.79114	3.00	YES

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-0.681	0.85	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	-0.741	0.84	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-0.868	0.82	0±1	1.00	1.26	<5	0.39651	3.00	YES

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
GFSK	2.42	6.14	4.11	6±1	7.00	5.01	<5	1.55933	3.00	YES

5.8G 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 calculation	SAR Exclusion threshold	SAR test exclusion
802.11a20	5.745	7.403	5.50	7.0±0.5	7.50	5.62	<5	2.69572	3.00	YES
	5.785	7.696	5.88	7.2±0.5	7.70	5.89	<5	2.83258	3.00	YES
	5.825	7.121	5.15	7.0±0.5	7.50	5.62	<5	2.71443	3.00	YES
802.11ac20	5.745	7.637	5.80	7.2±0.5	7.50	5.62	<5	2.69572	3.00	YES
	5.785	7.417	5.52	7.0±0.5	7.50	5.62	<5	2.70509	3.00	YES
	5.825	7.708	5.90	7.2±0.5	7.70	5.89	<5	2.84235	3.00	YES
802.11ac40	5.755	6.222	4.19	6.0±0.5	6.50	4.47	<5	2.14315	3.00	YES
	5.795	6.675	4.65	6.5±0.5	6.50	4.47	<5	2.15059	3.00	YES
802.11ac80	5.775	5.225	3.33	5.0±0.5	6.00	3.98	<5	1.91340	3.00	YES
802.11n(HT20)	5.745	7.534	5.67	7.2±0.5	7.70	5.89	<5	2.82277	3.00	YES
	5.785	7.825	6.06	7.3±0.5	7.80	6.03	<5	2.89856	3.00	YES
	5.825	7.481	5.60	7.0±0.5	7.50	5.62	<5	2.71443	3.00	YES
802.11n(HT40)	5.755	6.565	4.53	6.5±0.5	7.00	5.01	<5	2.40465	3.00	YES
	5.795	6.283	4.25	6.0±0.5	6.50	4.47	<5	2.15059	3.00	YES

Conclusion:

BT、5.8GWIFI、2.4G、does not support simultaneous transmission