

FCC ID: 2AYBDHL-1068
Portable device

According to §47 C.F.R. and §2.1093, 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \text{ W/kg}$, for test separation distances ≤ 50 mm,

Where $x = 7.5$ for 1-g SAR and $x = 18.75$ for 10-g SAR

- $f(\text{GHz})$ 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 and $x = 7.5$ for 1-g SAR 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	2.480	0.93	1.24	0±1	0.00	1.00	<5	0.04199	0.40	YES
Pi/4 DQPSK	2.441	1.286	1.34	1±1	2.00	1.58	<5	0.06603	0.40	YES
8DPSK	2.441	1.229	1.33	1±1	2.00	1.58	<5	0.06603	0.40	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
802.11n20	2.437	6.59	4.56	6±1	7.00	5.01	<5	0.20864	0.40	YES

5G-WIFI

Modulation	Channel Freq. (GHz)	Conducte d power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distanc e (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
802.11n20	5.180	6.93	4.93	6±1	7.00	5.01	<5	0.30418	0.40	YES

5.8G-WIFI

Modulation	Channel Freq. (GHz)	Conducte d 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
802.11n20	5.745	6.70	4.68	6±1	7.00	5.01	<5	0.32034	0.40	YES

For the Max simultaneous transmission

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
2.4G-WIFI	0.20864	0.27467	0.4	Pass
BT	0.06603			

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
5G-WIFI	0.30418	0.37021	0.4	Pass
BT	0.06603			

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
5.8G-WIFI	0.32034	0.38637	0.4	Pass
BT	0.06603			

Conclusion:

For the max result : $0.38637 < 0.4$, the SAR testing is not required.