

**FCC ID: 2AW9M-MB1001**
**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  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})/x}$  W/kg, for test separation distances  $\leq 50$  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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.480	0.963	1.25	1±1	2.00	1.58	<5	0.06656	0.40	YES
Pi/4 DQPSK	2.480	2.924	1.96	3±1	4.00	2.51	<5	0.10549	0.40	YES
8DPSK	2.480	3.429	2.20	3±1	4.00	2.51	<5	0.10549	0.40	YES

**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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.480	4.048	2.54	4±1	5.00	3.16	<5	0.13280	0.40	YES

**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
802.11b	2.412	5.395	3.46	5±1	6.00	3.98	<5	0.16488	0.40	YES

**For the Max simultaneous transmission**

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
BT	0.13280	0.29768	0.4	Pass
WIFI	0.16488			

**Conclusion:**

For the max result :  $0.29768 < 0.4$ , the SAR testing is not required.