

**FCC ID: 2A2L4-GW3**

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  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot \sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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
EDR mode (GFSK)	2.402	1.859	1.53	2.8±1	3.80	2.40	<5	0.74356	3.00	YES
	2.441	2.703	1.86	2.8±1	3.80	2.40	<5	0.74957	3.00	YES
	2.480	3.672	2.33	2.8±1	3.80	2.40	<5	0.75554	3.00	YES
EDR mode ( $\pi/4$ DQPSK)	2.402	3.637	2.31	2.8±1	3.80	2.40	<5	0.74356	3.00	YES
	2.441	3.442	2.21	2.8±1	3.80	2.40	<5	0.74957	3.00	YES
	2.480	2.724	1.87	2.8±1	3.80	2.40	<5	0.75554	3.00	YES

**Conclusion:**

For the max result :  $0.75554 \leq \text{FCC Limit } 3.0$  for 1g SAR.

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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
BLE mode (GFSK)	2.402	1.536	1.42	1.5±1	2.50	1.78	<5	0.55121	3.00	YES
	2.440	1.614	1.45	1.5±1	2.50	1.78	<5	0.55555	3.00	YES
	2.480	2.449	1.76	1.5±1	2.50	1.78	<5	0.56009	3.00	YES

**Conclusion:**

For the max result :  $0.56009 \leq \text{FCC Limit } 3.0$  for 1g SAR.