

**FCC ID:2BNQE-XY9801C**

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.

**BLE:1M**

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	2.048	1.60	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.44	2.585	1.81	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	1.812	1.52	1±1	2.00	1.58	<5	0.49918	3.00	YES

**BLE:2M**

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	1.301	1.35	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	2.244	1.68	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	1.732	1.49	1±1	2.00	1.58	<5	0.49918	3.00	YES

**Conclusion:**

For the max result :  $0.62334 \leq$  FCC Limit 3.0 for 1g SAR.