

**FCC ID: 2A7LL-GW19****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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$

- $f(\text{GHz})$  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)	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
GFSK	2.402	3.001	2.00	3 $\pm$ 1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	2.359	1.72	2 $\pm$ 1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.91	1.95	2 $\pm$ 1	3.00	2.00	<5	0.62843	3.00	YES
$\pi$ /4DQPSK	2.402	2.597	1.82	2 $\pm$ 1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.295	1.70	2 $\pm$ 1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.644	1.84	2 $\pm$ 1	3.00	2.00	<5	0.62843	3.00	YES

**Conclusion:**

For the max result :  $0.77860 \leq$  FCC Limit 3.0 for 1g SAR.

**BLE:**

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
GFSK	2.402	-0.973	0.80	-0 $\pm$ 1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	-0.437	0.90	-0 $\pm$ 1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-0.805	0.83	-0 $\pm$ 1	1.00	1.26	<5	0.39651	3.00	YES

**Conclusion:**

For the max result :  $0.39651 \leq$  FCC Limit 3.0 for 1g SAR.