

**FCC ID:2BN8D-LCB801****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.

**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	-1.083	0.78	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-1.917	0.64	-1±1	0.00	1.00	<5	0.31241	3.00	YES
	2.480	-2.247	0.60	-2±1	-1.00	0.79	<5	0.25018	3.00	YES

**Conclusion:**

BLE+ Wireless charging:  $\Sigma \text{MPE Ratio} = 0.31241/3 + 0.86/1.63 = 0.6321 \leq 1$ , The result is pass