

FCC ID:2BCVP-HLSH08

## 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:

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

- $f(\text{GHz})$  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.

## 2.4G:

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	-5.761	0.27	-5±1	-4.00	0.40	<5	0.12340	3.00	YES
	2.440	-4.978	0.32	-4±1	-3.00	0.50	<5	0.15658	3.00	YES
	2.480	-5.255	0.30	-5±1	-4.00	0.40	<5	0.12539	3.00	YES

## 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
GFSK1M bps	2.402	-4.85	0.33	-4±1	-3.00	0.50	<5	0.15535	3.00	YES
	2.44	-4.35	0.37	-4±1	-3.00	0.50	<5	0.15658	3.00	YES
	2.480	-4.9	0.32	-4±1	-3.00	0.50	<5	0.15785	3.00	YES

**Conclusion:**

For the max result : 0.15785 W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.