

### 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:

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

#### 2.4G:

| 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 calculatio n | SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|---------------------|-------------------------|--------------------|
| GFSK       | 2.402               | -5.761                 | 0.27                  | -5 $\pm$ 1          | -4.00                   | 0.40                   | <5            | 0.12340             | 3.00                    | YES                |
|            | 2.440               | -4.978                 | 0.32                  | -4 $\pm$ 1          | -3.00                   | 0.50                   | <5            | 0.15658             | 3.00                    | YES                |
|            | 2.480               | -5.255                 | 0.30                  | -5 $\pm$ 1          | -4.00                   | 0.40                   | <5            | 0.12539             | 3.00                    | YES                |

#### BLE:

| 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 calculatio n | SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|---------------------|-------------------------|--------------------|
| GFSK1M bps | 2.402               | -4.85                  | 0.33                  | -4 $\pm$ 1          | -3.00                   | 0.50                   | <5            | 0.15535             | 3.00                    | YES                |
|            | 2.44                | -4.35                  | 0.37                  | -4 $\pm$ 1          | -3.00                   | 0.50                   | <5            | 0.15658             | 3.00                    | YES                |
|            | 2.480               | -4.9                   | 0.32                  | -4 $\pm$ 1          | -3.00                   | 0.50                   | <5            | 0.15785             | 3.00                    | YES                |

#### Conclusion:

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

The Product unsupported at the same time to Transmitting.