

## **FCC ID:2ACGF-MA00B**

According to §15.247(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 and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

$f(\text{GHz})$  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;

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

BLE DTS:

Antenna Gain: 5.12 dBi

| Transmit Frequency (GHz) | Mode | Max Conducted Power EIRP(dBm) | tune up maximum power(dBm) | Result calculation | 1-g SAR |
|--------------------------|------|-------------------------------|----------------------------|--------------------|---------|
| 2402                     | GFSK | 4.11                          | 5                          | 0.980              | 3       |
| 2440                     | GFSK | 4.25                          | 5                          | 0.988              | 3       |
| 2480                     | GFSK | 4.93                          | 5                          | 0.996              | 3       |

### **Conclusion:**

For the max result :  $0.996 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

Signature:



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