



**FCC ID: 2AKQQ330**

## **RF Exposure evaluation**

According to 447498 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:

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

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

### **EDR:**

Worse case output power is as below: [2480MHz: 5.93dBm]

Maximum output power is 5.93dBm (3.92mW).

$(3.92\text{mW} / 5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 1.23 < 3.0$  for 1-g SAR.

### **BLE:**

Worse case output power is as below: [2480MHz: 2.11dBm]

Maximum output power is 2.11dBm (1.63 mW).

$(1.63\text{mW} / 5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 0.51 < 3.0$  for 1-g SAR.

Then SAR evaluation is not required.