

## RF Exposure evaluation

FCC ID: 2ASRB-P1000

According to 447498 D01 General RF Exposure Guidance v05

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:

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

Worse case is as below:

For BLE: [2480MHz 5.48dBm (3.532mW) output power]

$(3.532\text{mW} / 5\text{mm}) \cdot [\sqrt{2.80(\text{GHz})}] = 1.112 < 3.0$  for 1-g SAR

For BT: [2480MHz 5.49dBm (3.5399mW) output power]

$(3.5399\text{mW} / 5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 1.115 < 3.0$  for 1-g

SAR Then SAR evaluation is not required