



## RF exposure

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:

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

Where;

$f(\text{GHz})$  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

### Results

#### Bluetooth LE 1 Mbps

| Frequency (GHz) | Distance (mm) | Max Average tune-up power (dBm) |       | Calculation value | Exclusion Threshold |
|-----------------|---------------|---------------------------------|-------|-------------------|---------------------|
|                 |               | (dBm)                           | (mW)  |                   |                     |
| 2.402 ~ 2.480   | 5             | 5                               | 3.162 | 0.996             | $\leq 3.0$          |

#### Bluetooth LE 2 Mbps

| Frequency (GHz) | Distance (mm) | Max Average tune-up power (dBm) |       | Calculation Value | Exclusion Threshold |
|-----------------|---------------|---------------------------------|-------|-------------------|---------------------|
|                 |               | (dBm)                           | (mW)  |                   |                     |
| 2.402 ~ 2.480   | 5             | 5                               | 3.162 | 0.996             | $\leq 3.0$          |