



## 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 5.0 1M

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	2.00	1.58	0.49	$\leq 3.0$
2.442	5	2.00	1.58	0.49	$\leq 3.0$
2.480	5	2.00	1.58	0.50	$\leq 3.0$

#### Bluetooth 5.0 2M

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	0.50	0.89	0.28	$\leq 3.0$
2.442	5	0.50	0.89	0.28	$\leq 3.0$
2.480	5	0.50	0.89	0.28	$\leq 3.0$

#### Bluetooth 5.0 500k Coded

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	1.50	1.41	0.44	$\leq 3.0$
2.442	5	1.50	1.41	0.44	$\leq 3.0$
2.480	5	1.50	1.41	0.44	$\leq 3.0$