



## 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:

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

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	-1.50	0.708	0.223	$\leq 3.0$

#### WiFi 802.11b

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation Value	Exclusion Threshold
		(dBm)	(mW)		
2.412 ~ 2.462	5	8.70	7.413	2.326	$\leq 3.0$

#### WiFi 802.11g

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation Value	Exclusion Threshold
		(dBm)	(mW)		
2.412 ~ 2.462	5	6.70	4.677	1.468	$\leq 3.0$

#### WiFi 802.11n\_HT20

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation Value	Exclusion Threshold
		(dBm)	(mW)		
2.412 ~ 2.462	5	6.00	3.981	1.249	$\leq 3.0$