



## 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:

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

### 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	-0.50	0.89	0.43	$\leq 3.0$

#### WIFI 802.11b

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.412 ~ 2.462	5	6.00	3.98	1.91	$\leq 3.0$

#### WIFI 802.11g

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.412 ~ 2.462	5	2.00	1.58	0.76	$\leq 3.0$

#### 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	1.00	1.26	0.60	$\leq 3.0$

#### WIFI 802.11n\_HT40

Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.422 ~ 2.452	5	1.00	1.26	0.60	$\leq 3.0$