



## 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 3.0

- BDR (1Mbps)

Frequency (GHz)	Distance (mm)	Max tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	-13.0	0.05	0.02	$\leq 3.0$
2.442	5	-8.0	0.16	0.05	$\leq 3.0$
2.480	5	-9.0	0.13	0.04	$\leq 3.0$

- EDR (2Mbps)

Frequency (GHz)	Distance (mm)	Max tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	-12.0	0.06	0.02	$\leq 3.0$
2.442	5	-8.0	0.16	0.05	$\leq 3.0$
2.480	5	-8.0	0.16	0.05	$\leq 3.0$

- EDR (3Mbps)

Frequency (GHz)	Distance (mm)	Max tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	-12.0	0.06	0.02	$\leq 3.0$
2.442	5	-8.0	0.16	0.05	$\leq 3.0$
2.480	5	-8.0	0.16	0.05	$\leq 3.0$