

## RF exposure

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100  $\text{MHz}$  to 6  $\text{GHz}$  at test separation distances  $\leq$  50 mm are determined by:

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

Where;

$f(\text{GHz})$  is the RF channel transmit frequency in  $\text{GHz}$

Power and distance are rounded to the nearest  $\text{mW}$  and  $\text{mm}$  before calculation

The result is rounded to one decimal place for comparison

### Results – Bluetooth 4.0 (1Mbps)

Frequency ( $\text{GHz}$ )	Distance (mm)	Max tune-up power (dBm)		Calculation value	Exclusion Threshold
		(dBm)	(mW)		
2.402	5	3.0	2.0	1.0	$\leq 3.0$
2.442	5	3.0	2.0	1.0	$\leq 3.0$
2.480	5	3.0	2.0	1.0	$\leq 3.0$