



## 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

#### BT 3.0

Operation mode	Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
			(dBm)	(mW)		
BDR (1Mbps)	2402	5	-4.50	0.35	0.108	$\leq 3.0$
	2441	5	-4.50	0.35	0.109	$\leq 3.0$
	2480	5	-4.50	0.35	0.110	$\leq 3.0$
EDR (2Mbps)	2402	5	-6.50	0.22	0.068	$\leq 3.0$
	2441	5	-6.50	0.22	0.069	$\leq 3.0$
	2480	5	-6.50	0.22	0.069	$\leq 3.0$
EDR (3Mbps)	2402	5	-6.50	0.22	0.068	$\leq 3.0$
	2441	5	-6.50	0.22	0.069	$\leq 3.0$
	2480	5	-6.50	0.22	0.069	$\leq 3.0$

#### BT 4.0

Operation mode	Frequency (GHz)	Distance (mm)	Max Average tune-up power (dBm)		Calculation value	Exclusion Threshold
			(dBm)	(mW)		
LE (1Mbps)	2402	5	-5.50	0.28	0.087	$\leq 3.0$
	2442	5	-5.50	0.28	0.088	$\leq 3.0$
	2480	5	-5.50	0.28	0.088	$\leq 3.0$