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## 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

$\text{EIRP} = \text{Field strength} + 20\text{Log}(D) - 104.8$

## Results

Frequency (MHz)	Distance (mm)	Field strength (dBuV/m)	EIRP (dBm)		Calculation value	Exclusion Threshold
			(dBm)	(mW)		
2 410	5	90.73	-4.53	0.35	0.11	$\leq 3.0$
2 435	5	92.34	-2.92	0.51	0.16	$\leq 3.0$
2 465	5	92.90	-2.36	0.58	0.18	$\leq 3.0$