

# RF Exposure

## 4.3. General SAR test exclusion guidance

### 4.3.1. Standalone SAR test exclusion considerations

For 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR, 30 where} \right]$$

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

## SAR Exposure Calculation

Operation Mode	Test Frequency (GHz)	MAX Output Power (dBm)	MAX Output Power (mW)	Distance (mm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	Result
8FSK	2.406	7.36	5.45	5	1.689	3	No SAR