

4.3. General SAR test exclusion guidance

4.3.1. Standalone SAR test exclusion considerations

a) For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

$P_{\text{max}} = 0.442$ mW

$F = 2.402$ GHz

Exclusion analysis

$(0.442/5) \times \text{SQRT}(2.402) = 0.14 \ll 7.5$ for extremity