

# Standalone SAR test exclusion considerations

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- Max. Transmitting frequency = 2480 MHz
- Min. test separation distance = 5 mm
- Max. power with turn-up tolerance = 7.00 dBm = 5.1 mW

**Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separationn distances  $\leq$  50 mm = Used**

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$
$$= [5.10 / 5] * [\sqrt{2.48}]$$
$$= \textcolor{red}{1.61} \leq 3, \text{ for 1g SAR} \quad \text{Thus SAR for this device is not required.}$$

**Step 2-1) SAR test exclusion thresholds for 100MHz to 1500MHz at test separationn distances  $>$  50 mm = N/A**

$$[\text{Threshold at 50 mm in step 1)} + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] \text{ mW}$$

**Step 2-2) SAR test exclusion thresholds for 1500MHz to 6GHz at test separationn distances  $>$  50 mm = N/A**

$$[\text{Threshold at 50 mm in step 1)} + (\text{test separation distance} - 50 \text{ mm}) \cdot 10] \text{ mW}$$