

# Standalone SAR test exclusion considerations

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- Min. transmitting frequency = 2475 MHz
- Min. test separation distance = 5 mm
- Max. power with turn-up tolerance = 6.00 dBm = 4 mW  
Typical Power: 5.00 dBm  $\pm$  1.00 dB  
Measured Output Power: 5.31 dBm

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

$$= [4.00 / 5] * [\sqrt{2.475}]$$

$$= \mathbf{1.26} \leq 3, \text{ for } 1\text{g SAR}$$

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**

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