

Standalone SAR test exclusion considerations

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- Min. transmitting frequency = 2480 MHz
- Min. test separation distance = 30 mm
- Max. power with turn-up tolerance = 9.50 dBm = 9 mW
 - Maximum Typical Power : 9.50 dBm
 - Measured Average Power: 9.12 dBm

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

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

= $[9.00 / 30] \cdot [\sqrt{ 2.48 }]$

= **0.47** \leq 3, for 1g SAR

[Thus SAR for this device is not required.](#)

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

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

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

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