

Standalone SAR test exclusion considerations

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- Min. transmitting frequency = **2480** MHz
- Min. test separation distance = **5** mm
- Max. power with turn-up tolerance = **-1.50** dBm = **0.708** mW
- Typical Power: **-2.50** dBm \pm **1.00** dB
- Measured Output Power: **-1.90** dBm

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

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

= $[0.71 / 5] \cdot [\sqrt{2.48}]$

= **0.22** \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**

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

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

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