

Standalone SAR test exclusion considerations

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- Transmitting frequency = **2480** MHz
- Min. test separation distance = **5** mm
- Max. power with turn-up tolerance = **10.00** dBm = **10** mW
- Max Target Power : **10.00** dBm
- Measured Power: **7.43** dBm

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

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

= $[10.00 / 5] \cdot [\sqrt{ 2.48 }]$

= **3.15** ≤ 7.5, for 10g extrmity 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

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