

Standalone SAR test exclusion considerations

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- Max. transmitting frequency = 2480 MHz
- Max. test separation distance = 30 mm
- Max. power with turn-up tolerance = Typical Power: 6.00 dBm \pm 3.00 dB
Measured Average Power: 8.85 dBm
Maximum antenna peak gain: 0.50 dBi

Maximum output power for the calculation: **9.00 dBm**

SAR test exclusion EIRP for 2450MHz at separationn distances of 30 mm : 83 mW

$$\begin{aligned} \text{EIRP} &= P + G \\ &= 9.00 \text{ dBm} + 0.50 \text{ dBi} \\ &= \mathbf{9.50 \text{ dBm} = 8.913 \text{ mW} \leq 83 \text{ mW (Exemption Limits(mW))}} \quad \text{Thus SAR for this device is not required.} \end{aligned}$$

* Note : P = Power input to the antenna(dBm)

G = Power gain of the antenna(dBi)