

* Standalone SAR test exclusion considerations

- Min. transmitting frequency = 902.5 MHz

- Min. test separation distance = 5 mm

-Max. Average Power with tune-up tolerance = 4.75 dBm = 2.99 mW

(Measured Maximum Average Power = Max. Peak Output Power – Duty Cycle Correction Factor
= 4.25 dBm \pm 0.5dB)

Step 1)

SAR Test exclusion thresholds for 100MHz to 6GHz at test separation distance ≤ 50 mm = **Used**

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

$= [2.99 / 5] * [\sqrt{0.9025}] = 0.5672 \leq 3, \text{ for } 1\text{g SAR}$

Thus, SAR for this device is not required.

Step 2)

SAR Test exclusion thresholds for 100MHz to 1500MHz at test separation distance > 50 mm = **N/A**

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

Step 3)

SAR Test exclusion thresholds for 1500MHz to 6GHz at test separation distance > 50 mm = **N/A**

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