

* Standalone SAR test exclusion considerations

- Min. transmitting frequency = 2402 MHz
- Min. test separation distance = 5 mm
- Max. Power with tune-up tolerance = 4.56 dBm = 2.86 mW
(Measured Maximum power = 4.06 dBm ± 0.5dB)

Step 1)

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

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

$$= [2.86 / 5] * [\sqrt{2.402}] = 0.8858 \leq 3, \text{ for } 1\text{g SAR}$$

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**

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