

## \* 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  $\pm$  0.5dB)

Step 1)

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

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

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

**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**

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