

## \* Standalone SAR test exclusion considerations

- Min. transmitting frequency = 2402 MHz
- Min. test separation distance = 5 mm
- Max. Power with tune-up tolerance = 0.43 dBm = 1.1041 mW  
(Measured Maximum power(Frame Average Output Power) = -0.07 dBm  $\pm$  0.5dB)

Step 1)

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

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

$$= [1.1041 / 5] * [\sqrt{2.402}] = 0.3422 \leq 3, \text{ for 1g SAR}$$

**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**

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