

## \* Standalone SAR test exclusion considerations

- Min. transmitting frequency = 2 442 MHz
- Min. test separation distance = 5 mm
- Max. Power with tune-up tolerance = -7.57 dBm = 0.1750 mW  
(Measured Maximum power(Frame Average Output Power) = -8.07 dBm ± 0.5dB)

Step 1)

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

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

$$= [0.1750 / 5] * [\sqrt{2.442}] = 0.0547 \leq 3, \text{ for 1g SAR}$$

**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**

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