

## **\* Standalone SAR test exclusion considerations**

- Min. transmitting frequency = 2412 MHz
- Min. test separation distance = 15 mm
- Max. Power with tune-up tolerance = 13.17 dBm = 20.75 mW  
(Measured power 12.67 dBm  $\pm$  0.5dB)

Step 1)

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

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

$$= [ 20.75 / 15 ] * [ \sqrt{2.412} ] = 2.1483 \leq 3, \text{ for 1g SAR}$$

**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**

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