

# Standalone SAR test exclusion considerations

November 19, 2013

- Min. transmitting frequency = 2480 MHz
  - Min. test separation distance = 5 mm
  - Max. power with turn-up tolerance = 6.50 dBm = 5 mW
- Typical Power: 5.00 dBm + 1.50 dB & - 1.50 dB

These information are declared form applicant.

Measured Power: 5.18 dBm

This measured power is worst data in all AV power data

**Step 1) SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances  $\leq 50$  mm = **Used****

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

=  $[ 5.00 / 5 ] * [ \sqrt{ 2.48 } ]$

= **1.57**  $\leq 3$ , for 1g SAR

**Step 2-1) SAR test exclusion thresholds for 100MHz to 1500MHz at test separation distances  $> 50$  mm = **N/A****

$[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] \text{ mW}$

**Step 2-2) SAR test exclusion thresholds for 1500MHz to 6GHz at test separation distances  $> 50$  mm = **N/A****

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