

Standalone SAR test exclusion considerations

September 23, 2013

- Min. transmitting frequency = 2480 MHz

- Min. test separation distance = 5 mm

- Max. power with turn-up tolerance = 2.00 dBm = 2 mW

Typical Power: 1.00 dBm + 1.00 dB & - 1.00 dB

These information are declared form applicant.

Measured Power: 0.68 dBm

This measured power is worst data in all AV power data

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

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

$= [2.00 / 5] * [\sqrt{2.48}]$

$= \textcolor{red}{0.63} \leq 3, \text{ for 1g SAR}$

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

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