

# RF Exposure evaluation

## FCC ID: OIHG-211

According to 447498 D01 General RF Exposure Guidance v05 The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:  $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

$\text{EIRP} = \text{E Meas} + 20 \log(\text{D Meas}) - 104.7$

$\text{pt} = 89.72 \text{ dB}\mu\text{V/m} - 95.257 = -5.54 \text{ dBm} = 0.280 \text{ mW}$  at 2440 MHz

So  $(0.280 \text{ mW} / 5 \text{ mm}) \times \sqrt{2.44 \text{ GHz}} = 0.0872 < 3$

Then SAR evaluation is not required.