

# RF Exposure Letter

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

$pt = -0.40 \text{ dBm} = 0.91 \text{ mW}$  at 2402MHz

So  $(0.91 \text{ mW}/5\text{mm}) \times \sqrt{2.402\text{GHz}} = 0.2827 < 3$

Then SAR evaluation is not required