

## RF Exposure evaluation

### According to 447498 D01 General RF Exposure Guidance v06

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.

**Worse case is as below:**

[2441MHz -6.146dBm (0.243mW) output power]

$(0.243\text{mW} / 5\text{mm}) \cdot [\sqrt{2.441(\text{GHz})}] = 0.024 < 3.0$  for 1-g SAR

Then SAR evaluation is not required.