

## RF Exposure evaluation

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

荔  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

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

荔 The result is rounded to one decimal place for comparison

Worse case is as below: [2412MHz 7.53dBm( 5.66mW) output power]

$$(5.66\text{mW} / 5\text{mm}) \cdot [\sqrt{2.412(\text{GHz})}] = 1.74 < 3.0 \text{ for 1-g SAR}$$

Then SAR evaluation is not required