## 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:

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

- f(GHz) is the RF channel transmit frequency in GHz
- ullet 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: [2412MHz 9.13dBm (8.185 mW) output power]

( 8.185 mW / 5 mm) • [  $\sqrt{2.412} \text{ (GHz)}$ ] = 2.54 <3 for 1 -g SAR

Then SAR evaluation is not required