## 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
- ${}^{\bullet}$  Power and distance are rounded to the nearest mW and mm before calculation
- $\boldsymbol{\cdot}$  The result is rounded to one decimal place for comparison

Worse case is as below: [ 2402MHz -9.46dBm (0.113mW) output power]

 $(0.113 \,\mathrm{mW} / 5 \,\mathrm{mm})$  •  $[\sqrt{2.402} (\mathrm{GHz})] = 0.04 < 3.0 for 1-g SAR$ 

Then SAR evaluation is not required