## 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)] • [ $\sqrt{f(GHz)}$ ]  $\leq$  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  $\ensuremath{\mbox{GHz}}$
- ${}^{\bullet}$  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: [2480MHz 2.86dBm ( 1.93 mW) output power]

(1.93 mW /5mm) • [ $\sqrt{2.480}$  (GHz)] = 0.61 <3.0 for 1-g SAR

Then SAR evaluation is not required