RF Exposure evaluation

According to KDB 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 \leqslant 50 mm are determined by:

[(max.power of channel, including tune-up tolerance, mW)/(min.test separation distance, mm)] \cdot [\checkmark

f(GHz)] \leqslant 3.0 for 1-g SAR and \leqslant 7.5 for 10-g extremity SAR, where

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

- 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: [2441 MHz 5.075dBm (3.22mW) output power]

(3.22 mW /5mm) • [√2.441(GHz)]=1.01 <3.0 for 1-g SAR

Then SAR evaluation is not required