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

Power and distance are rounded to the nearest $\mathtt{m}\mathtt{W}$ and $\mathtt{m}\mathtt{m}$ before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2402 MHz 0.52dBm (1.127mW) output power]

 $(1.127 \text{ mW} / 5 \text{mm}) \cdot [\sqrt{2.402} (\text{GHz})] = 0.35 < 3.0 \text{ for } 1-\text{g SAR}$

Then SAR evaluation is not required