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 $\,\leqslant\,50\,$ mm are determined by:

[(max.power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \bullet [\checkmark f(GHz)] \leqslant 3.0 for 1-g SAR and \leqslant 7.5 for 10-g extremity SAR, where

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

Power and distance are rounded to the nearest ${\tt mW}$ and ${\tt mm}$ before calculation

The result is rounded to one decimal place for comparison

Worse case is as below: [2480 MHz 0.51dBm $(1.125 \ \text{mW})$ output power]

 $(1.125 \text{ mW } /5\text{mm}) \cdot [\sqrt{2.480(\text{GHz})}] = 0.36 < 3.0 \text{ for } 1-\text{g SAR}$

Then SAR evaluation is not required