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)] •[$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 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: [2402 MHz $1.47~\mathrm{dBm}\ (1.403~\mathrm{mW})\ \mathrm{output\ power}]$

(1.403mW /5mm) • [$\sqrt{2.402(\text{GHz})}$] = 0.435 <3.0 for 1-g SAR

Then SAR evaluation is not required