RF Exposure evaluation

According to 447498 D01 General RF Exposure Guidance v06 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 GHz.

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

The result is rounded to one decimal place for comparison.

Worse case is as below:

2402MHz 2.920dBm (1.9588 mW) output power

 $(1.9588mW / 5mm) \cdot [\sqrt{2.402} (GHz)] = 0.6 < 3.0 \text{ for } 1-g \text{ SAR}$

Then SAR evaluation is not required.