RF Exposure evaluation

According to 447498 D01 General RF Exposure Guidance v05r02 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)] $\,\cdot\,[\,\sqrt{\,f\,(GHz)\,}]\,\leqslant\,3.0$ for 1-g SAR and $\leqslant\,7.5$ for 10-g extremity SAR, where 浰 f(GHz) is the RF channel transmit frequency in GHz calculation ${\mathfrak M}$ The result is rounded to one decimal place for comparison eirp = pt x gt = $(EXd)^2/30$ where: pt = transmitter output power in watts, gt = numeric gain of the transmitting antenna (unitless), E = electric field strength in V/m, --- $10^{((dBuV/m)/20)}/10^6$ d = measurement distance in meters (m) - -3mSo pt = $(EXd)^2/30 \times gt$ Field strength = 83.16dBuV/m @3m Ant gain =2dBi ;so Ant numeric gain= 1.58 So pt={ [10^(83.16/20)/10⁶ x3]²/30x1.58 }x1000 mW =0.04 mW So $(0.04 \text{ mW}/5\text{mm}) \times \sqrt{2.405\text{GHz}} = 0.0124 < 3$

Then SAR evaluation is not required