According to KDB 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 mW and mm before calculation • 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 =  $(EXd)^2/30 \times gt$ Ant gain OdBi ;so Ant numeric gain=1 Field strength = 87.17 dBuV/m @3m So Pt={ [10<sup>(87.17</sup> /20)</sup>/10<sup>6</sup> x3]<sup>2</sup>/30x1 }x1000 mW =0.16 mW So ( 0.16 mW/5mm) x  $\sqrt{2.440}$  GHz = 0.05 < 3

Then SAR evaluation is not required