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  $\leq$  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  $\mathtt{m} \mathtt{W}$  and  $\mathtt{m} \mathtt{m}$  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)---3m Sopt =  $(EXd)^2/30$  x gt

Ant gain=0 dBi ; so Ant numeric gain=1

Field strength =91.96  $dB\mu V/m$  @3m

So Pt={ [10<sup>(91.96</sup>/20)/10<sup>6</sup> x3]<sup>2</sup>/30x1}x1000 mW =0.47 mW

So ( 0.47 mW/5mm) x  $\sqrt{0.315}$  GHz = 0.053 < 3

Then SAR evaluation is not required