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 =  $(EXd)^2/30 \times qt$ Field strength = 98.6dBuV/m @3m

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Ant gain 1dBi; so Ant numeric gain=1.26
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So pt={[10^{(98.26/20)}/10^{6}x3]^{2}/(30x1.26)}x1000mW =1.6mW
So (1.6mW/5mm)x \sqrt{2.402GHz} = 0.5<3
```

Then SAR evaluation is not required