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)] $\cdot [\sqrt{f(GHz)}] \leq 3.0$ 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 $\ensuremath{\mathtt{mW}}$ and $\ensuremath{\mathtt{mM}}$ before calculation

The result is rounded to one decimal place for comparison

```
eirp = pt x gt = (EXd)^2/30
where:
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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)}/10⁶ d = measurement distance in meters (m)---3m So pt = (EXd)²/30 x gt

Field strength = 93.69dBuV/m @3m Ant gain =-0.77dBi ;so Ant numeric gain= 0.8375

So pt={ $[10^{(93.69/20)}/10^6 \text{ x3}]^2/30 \text{x0.8375}$ }x1000 mW =0.5876mW So $(0.5876 \text{ mW}/5 \text{mm}) \text{x} \sqrt{2.480 \text{GHz}} = 0.185 <3$

Then SAR evaluation is not required