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 $\mathtt{m} \mathtt{W}$ 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
So pt = (EXd)^2/30 x gt
```

Field strength = 97.58 dBuV/m @3m Ant gain OdBi ;so Ant numeric gain=1

```
So pt={ [10^{(97.58)}/20)/10^6 \times 3]^2/30 \times 1 }x1000 mW =1.72mW
So (1.72mW/5mm) \times \sqrt{2.480GHz} = 0.54 <3
```

Then SAR evaluation is not required