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 $\ensuremath{\text{GHz}}$

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= 1 dBi ; so Ant numeric gain= 1.26

Field strength =75.73dBuV/m @3m

So Pt={ $[10^{(75.73/20)}/10^6 \text{ x3}]^2/30\text{x1.26}$ }x1000 mW =0.0089 mW

So $(0.0089 \text{mW}/5 \text{mm}) \times \sqrt{0.91527}$ GHz = 0.0017 < 3

Then SAR evaluation is not required