RF Exposure evaluation

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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] •[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 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

$eirp = pt \times gt = (EXd)^2/30$
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 $pt = (EXd)^2/30 \times gt$

Field strength = 94.46 dBuV/m @3m
Ant gain 0dBi ;so Ant numeric gain=1

So $pt=\{ [10^{(94.46/20)}/10^6 \times 3]^2/30 \times 1 \} \times 1000$ mW =0.84mW
So (0.84mW/5mm)x √2.48GHz =0.27<3

Then SAR evaluation is not required