RF Exposure evaluation

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 ≤ 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
經 f(GHz) is the RF channel transmit frequency in GHz
經 Power and distance are rounded to the nearest mW and mm before calculation
經 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 = 93.12 dBuV/m @3m
Ant gain =0dBi ;so Ant numeric gain= 1

So pt={ $[10^{(93.12/20)}/10^6$ x3$]^2/30$x1 }x1000 mW =0.6 mW
So (0.6 mW/5mm)x √2.445796783 GHz = 0.19 <3

Then SAR evaluation is not required