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 \leq 50 mm are determined by: [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(\text{GHz})}$] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where

 ${\tt f(GHz)}$ 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

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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

Ant gain= -0.5 dBi ;so Ant numeric gain= 0.89

Field strength = 81.52dBµV/m @3m
So Pt={ [10^(81.52/20)/10^6 x3]^2/30x0.89}x1000 mW = 0.05mW
So ( 0.05mW/5mm)x √2.440 GHz = 0.016 < 3</pre>
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Then SAR evaluation is not required