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)] \cdot [Vf(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 mW and mm 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 = $(EXd)^2/30 \times gt$

Field strength = 98.71dBuV/m @3m

Ant gain =0dBi, so Ant numeric gain= 1

So pt={ $[10^{(98.71/20)}/10^6 \text{ x 3}]^2/30\text{x1} \text{ } \text{x}1000 \text{ mW} = 2.228\text{mW}$

So (2.228mW /5mm)x v2.476 = 0.699<3

Field strength = 97.97dBuV/m @3m

Ant gain =0dBi, so Ant numeric gain= 1

So pt={ $[10^{(97.97/20)}/10^6 \times 3]^2/30\times1 \times 1000 \text{ mW} = 1.880\text{mW}$

So (1.880mW /5mm)x v2.480 =0.590<3

0.699+0.590=1.289<3

Then SAR evaluation is not required