RF Exposure Calculation

EIRP of basestation = 21.5dBm/141.25 mW (19dBm power and 2.5dBi antenna gain)

Power Density (S)= [Maximum Conducted Average PowermW x Ant.Gain] / [4π x (20)^2] or [EIRP] / [4π x (20)^2]

Power Density = 141.25/[4π x (20cm) ^2] = 0.028 mW/cm^2

FCC 1.310 limit at 928 MHz = 0.61 mW/cm^2