

RF Exposure Calculation

EIRP of basestation = 17.38 dBm/54.70 mW

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

Power Density = 54.70 mW / [4 π x (20cm) ²] = 0.0108 mW/cm²

FCC 1.310 limit at 928 MHz = 0.61 mW/cm²