MPE CALCULATION

RF Exposure Requirements: 47 CFR §1.1307(b)

RF Radiation Exposure Limits: 47 CFR §1.1310

RF Radiation Exposure Guidelines: FCC OST/OET Bulletin Number 65

EUT Frequency Band: 1500 ~100,000MHz

Power Density Limit: 1 mW/ cm^2

Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$

    Where,   S = Power Density

                  P = Power Input to Antenna

                  G = Antenna Gain

                  R = distance to the center of radiated antenna

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Band IV

Conducted power = 909.913mw,   Antenna Gain (numeric) = 1.78 , MPE limit = 1 mW/cm^2

R= 20cm

Result

The Above Result had shown that the minimum separation distance in order to meet MPE requirement is 0.322 mW/cm^2.