

MPE CALCULATION

FCC ID –P4Q-N273

IC Number : IC 2420C-N273

RF Exposure Requirements:	47 CFR §1.1307(b)
RF Radiation Exposure Limits:	47 CFR §1.1310
RF Radiation Exposure Guidelines:	FCC CFR Part 2.1091 & 2.1310
EUT Frequency Band:	2402 – 2480 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1.5 – 100 GHz
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

, Power = -7.87 dBm , Antenna Gain =3 dBi , distance 20cm

S = 0.000065 mW/cm²

The Above Result had shown that Device complied with 1 mW/cm² Power density requirement at distance of 20cm.