MPE Calculation

FCC ID: I88P660HNT1AV2

Remark: Average \leq Peak, which means that calculating the power density applying Peak power is worst case. The worst case AVERAGE power operation mode generating the highest power in each frequency range is taken for calculation.

Frequency range:2412-2462 MHzTypical use distance: d \geq 20 cmPower density limit for mobile devices at 2.4 GHz:S \leq 1 mW/cm²Maximum measured conducted power (Peak):Pconducted = 17.6 dBm = 57.54 mWAntenna Gain:G = 5 dBi = 3.16 on the linear scaleCalculation:Pradiated = Pconducted + Glinear = 17.6 dBm + 5 dBi = 22.6 dBm = 181.97 mWPower densityS = (Pradiated) / (4\pi x d²) = 181.97 / 5026 = 0.0362 mW/cm² < 1 => below limit

Frequency range:2422-2452 MHzTypical use distance: d \geq 20 cmPower density limit for mobile devices at 2.4 GHz:S \leq 1 mW/cm²Maximum measured conducted power (Peak):
Pconducted = 15.37 dBm = 34.43 mWAntenna Gain:G = 5 dBi = 3.16 on the linear scaleCalculation:Pradiated = Pconducted + Glinear = 15.37 dBm + 5 dBi = 20.37 dBm = 108.89 mWPower densityS = (Pradiated) / (4\pi x d²) = 108.89 / 5026 = 0.0217 mW/cm² < 1 => below limit