

MPE CALCULATION

FCC ID: TK4WLM200N5-23ESD

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: 5160-5825MHz
Limits for General Population/Uncontrolled Exposure in the band of: 1500 - 100,000 MHz
Power Density Limit: 1 mW / cm²

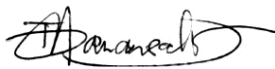
Equation: $S = PG / 4\pi R^2$ or $R = \sqrt{PG / 4\pi S}$
Where, S = Power Density
P = Power Input to Antenna
G = Antenna Gain
R = distance to the center of radiated antenna

Prediction distance 80cm

Mode	Distance (cm)	Conducted power (dBm)	Max. Antenna Gain (dBi)	Apprarent Gain (dBi)	Power Density (mW/ cm ²)	Limit (mW/ cm ²)
WLAN (5GHz)	80	23.04	23	26	0.99	0.99

The Above Result had shown that the Device complied with MPE requirement.

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