

MPE CALCULATION

FCC ID: XWX-WLM54AG23 / **IC ID:** 8701A-WLM54AG23

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:	2412-2462 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 - 100,000 MHz
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

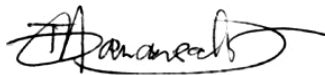
Prediction distance 20cm

WLAN (802.11b-2437MHz): Power = 13.5 dBm, antenna gain = 5.2 dBi, Power density= 0.01475 mW/cm²

Maximum MPE = 0.01475 mW/cm², which is less than 1.

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

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