

MPE CALCULATION

FCC ID: I28-W2WLAN11G / IC ID: 3798B-W2WLAN11G

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|---|---|
| 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 2.4GHz): Power = 12.3 dBm, Antenna Gain = 2 dBi, Power density = 0.00369 mW/cm²

| Mode | Prediction Distance (cm) | Target power (dBm) | Max. Antenna Gain (dBi) | Power Density (mW/cm ²) |
|-------------|--------------------------|--------------------|-------------------------|-------------------------------------|
| WLAN 2.4GHz | 20 | 12.3 | 2 | 0.00369 |

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

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