

## MPE CALCULATION

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 <sup>2</sup> ;

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

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Prediction distance 20cm

WLAN(2412-2462MHz): Power = 9.9 dBm , antenna gain = 1.3 dBi , Power density = 0.0026 mW/cm<sup>2</sup>

Maximum MPE is 0.0026 mW/cm<sup>2</sup>, which is less than 1 .

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

Completed By : Jason Zhang

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