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:	5180 - 5825MHz
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

WLAN(5745-5825MHz): Power = 28.9dBm, antenna gain = 18 dBi, Power density = 1mW/cm^2

$R = \sqrt{PG / 4\pi S}$= 62.4 cm

The minimum separation distance in order to meet 1mW/cm^2 is 62.4 cm.

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