

## MPE CALCULATION

FCC ID: F4AWSM2400

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:	2405 - 2475 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

### **EUT: Zigbee**

(2.4GHz Band): Power = 6.45 dBm, Antenna Gain = 1.5 dBi, Power density = 0.001242mW/ cm<sup>2</sup>

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

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