

# MPE CALCULATION

**FCC ID: S9GP300**

<b>RF Exposure Requirements:</b>	47 CFR §1.1307(b)
<b>RF Radiation Exposure Limits:</b>	47 CFR §1.1310
<b>RF Radiation Exposure Guidelines:</b>	FCC OST/OET Bulletin Number 65
<b>EUT Frequency Band:</b>	5180 – 5240 MHz, 5745 - 5825MHz
<b>Limits for General Population/Uncontrolled Exposure in the band of:</b>	1500 - 100,000 MHz
<b>Power Density Limit:</b>	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 50cm

**EUT: P300**

(UNII Band): Power = 19.11dBm, Antenna Gain = 24 dBi, Power density = 0.65 mW/ cm<sup>2</sup>

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

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