

## MPE CALCULATION

FCC ID: YV8-204563

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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:	904.861-924.873 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 - 100,000 MHz
Power Density Limit:	0.62 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

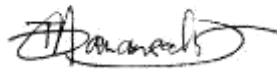
Power = 0.274 mW, Antenna Gain = 2.56 dBi, Power density = 0.0001395 mW/cm<sup>2</sup>

Prediction Distance (cm)	Target power (mW)	Max. Antenna Gain (dBi)	Power Density (mW/ cm <sup>2</sup> )
20	0.274	2.56	0.0001395

**Note: Even taking into account the tolerance, this device can be satisfied with the limits.**

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

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