

MPE CALCULATION (FCC ID: 2ANPD20181010)

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: 801.11b/g: 2412-2462MHz
Limits for General Population/Uncontrolled Exposure in the band of: 1500 - 100,000 MHz
Power Density Limit: 1 mW / cm²

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

Prediction distance 20 cm

EUT: MS-L

Radio	Frequency (MHz)	Conducted Output Power (dBm)	Directional Antenna Gain (dBi)	Separation distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
802.11b	2412-2462	15.02	3	20	0.013	1
802.11g	2412-2462	15.53	3	20	0.014	1

The above results show that the device complies with the MPE requirement.

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