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

2.4GHz Band: 2400-2483.5 MHz

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

EUT: Lippert Components, Inc., Model No.: WE826-W D

Type	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Directional Gain (dBi)	Tune-Up Tolerance	Tolerance Max Power (dBm)	Measurement Distance (cm)	Calculated MPE (mW/cm^2)	MPE Limit (mW/cm^2)	Pass/Fail
WLAN	2462	17.42	3	6	±1dB	18.42	20	0.055	1	Pass

Total MPE = 0.055 mW/cm^2

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

Deon

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