MPE CALCULATION

FCC ID: POJDMLWAN915

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: 900MHz	902.3-914.9 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	300 -1,500 MHz
Power Density Limit:	f/1500 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: DM-LWAN-915

Host: Yabby LWAN 915

(900MHz Radio): Power = 18.73 dBm, Power density = 0.014 mW/ cm^2

Type	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Tune-Up Tolerance	Tolerance Max Power (dBm)	Measurement Distance (cm)	Calculated MPE (mW/cm^2)	MPE Limit (mW/cm^2)	Pass/Fail
900MHz	902.3	18.73	-1	±1dB	19.73	20	0.014	0.60	Pass

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

Gary Chou

Completed By: Gary Chou

SIEMIC, Inc

775 Montague Expressway, Milpitas, CA 95035

Phone: (408) 526-1188

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