MPE CALCULATION

FCC ID: PQC-MX40WL3

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:	2412 - 2462 MHz; 5180 – 5320 MHz, 5500 – 5700MHz, 5745 - 5825MHz
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

Prediction distance 20cm

EUT: H500

(UNII Band): Power = 13.92 dBm, Antenna Gain = 4.4 dBi, Power density = 0.0135 mW/ cm^2

(2.4GHz DTS Band): Power = 22.38dBm, Antenna Gain = 4.2 dBi, Power density = 0.0905 mW/ cm^2

The maximum power density is 0.0905 mW/ cm^2, which is less than 1 mW/ cm^2

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

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Date: Feb 20th, 2015