MPE CALCULATION

For Exalt Communication, Inc– 5GHz Radio Module, Model: EX-5i

FCC ID: TTM-105P25N

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:	5745 – 5825 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1.5 – 100 GHz
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

Point to point Link

5.8 GHz, Power = 24.9 dBm, Antenna Gain = 37.9dBi,
R= 389.374cm

Result

The Above Result had shown that Device complied with 1mW/cm^2 Power density requirement for distance with minimum distance of 400cm

Completed By : Choon Sian Ooi

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