

MPE CALCULATION

FCC ID: SWX-AF4X

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:

4940-4990 MHz

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

CH Freq (MHz)	Conducted Power	Antenna Gain (dBi)	Apparent Gain (dBi)	EIRP (dBm)	Measurement distance (cm)	Calculated MPE (W/m ²)	MPE Limit (W/m ²)	Pass / Fail
4965	29.23	26	26	55.23	180	8.19	10	Pass

The Above Result had shown that the device complied with MPE requirement at a prediction distance of 180cm .

Completed By: Chen Ge

SIEMIC, Inc

775 Montague Expressway, Milpitas, CA 95035

Phone: (408) 526-1188

Date: Mar 22nd , 2016

