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 / 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

CH Freq (MHz)	Conducted Power	Antenna Gain (dBi)	Apparent Gain (dBi)	EIRP (dBm)	Measurement distance (cm)	Calculated MPE (W/m2)	MPE Limit (W/m2)	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 .

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