

MPE CALCULATION

FCC ID: SSH-SYNKRX

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:	5150-5700MHz
Limits for General Population/Uncontrolled Exposure in the band of:	300 – 1500 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

High Channel (5700 MHz):

Power = 7.15 dBm, Antenna Gain = 1.9 dBi, Prediction distance 20cm, **S = 0.0016 mW/cm²**

Result

The Above Result had shown that Device complied with 1 mW/cm² Power density requirement for distance of 20cm.

Completed By : David Zhang

Date : Jan 7th, 2013