

MPE CALCULATION

For Intelicis – 802.11 a/b/g Dual Radio AP; Model: Cedar880AG

FCC ID: U3HCEDAR880AG

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:	5180 – 5220 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

802.11a, Power = 13.9dBm , Antenna Gain =3dBi , distance 20cm

S = 0.0097 mW/cm²

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

Completed By : Kent Kim

Date : Nov-01-2007