

MPE CALCULATION

FCC ID: I28MD-CXLAN11G

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:	2412~2462 MHz
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

802.11b Low Channel (2412 MHz): Power = 9.8dBm, Antenna Gain = 2 dBi, Prediction distance 20cm

S = 0.003 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

Date : July 13th, 2012