

MPE CALCULATION

For Wangjing222# Bilding B, Room1302, BeiJing, China ;
Model:MR100

FCC ID: Y4RMR100

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 / 47 CFR §2.1091

EUT Frequency Band: 2412MHz-2462MHz

Limits for General Population/Uncontrolled Exposure in the band of:
1500 – 100,000 MHz
Power Density Limit: 1.0mW/ 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

Middle Channel (2462 MHz): Power = 12.0dBm, Antenna Gain = 0.79
dBi, Prediction distance 20 cm

$S = 0.003531 \text{ mW/cm}^2$

Result

The Above Result had shown that Device complied with 1.0 mW/cm²
Power density requirement for distance of 20 cm.

Completed By : Alex Wang

Date :Jan 14, 2011