FCC ID:PIDAIRSPAN-WIPLL2
Date: December, 2004

Environmental evaluation and exposure limit according to FCC CFR 47 part 15, §15.247(b)(5) and §1.1307

EUT Model: IDR 2.4GHz TDD Ext

MPE limit for power density for general population/uncontrolled exposure according to FCC §1.1310 is 1 mW/cm².

A power density P (mW/cm²) =
$$\begin{array}{c} P_T \\ ----- \\ 4\pi \ r^2 \end{array}$$
 , where

P_T - transmitted power.

P_T is equal to transmitter output power 18.93 dBm plus maximum antenna gain 17 dBi, the maximum equivalent isotropically radiated power (e.i.r.p.) is 35.93 dBm = 3917 mW.

$$1(mW/cm^2) = 3917 \text{ mW} / 4\pi \text{ r}^2$$

The power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

$$3917 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.78 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$$

General public cannot be exposed to dangerous RF level.