

RF Exposure to FCC Rules and Regulations Prt 1.1307, 1.1310, 2.1091, and 2.1093

1. FCCID G8JHHI03
2. The environment will be for the General Population / Uncontrolled Category for Mobile Devices per Part 2.1091
3. Antenna Information
 - a. The antenna is a integral antenna with a numeric gain of 1.32 at 927.6 MHz
4. MPE Calculations

Limit for environment is 0.618 mW / cm²
Highest Output Power is 0.211 Watts
The calculated power density is based on the following equation:

$$S = \frac{PxG}{4\pi d^2} \text{ where } S=\text{Power density in mW/cm}^2, P=\text{power in Watts}, G=\text{Numeric}$$

Gain, D=Distance in cm

S=0.0554 mW/ cm²

The maximum distance from the antenna at which MPE is met is based on the following equation:

$$D = \sqrt{PxG / 4\pi x S}$$

Based on the above formula, the maximum distance form the antenna at which the MPE is met will be 5.99 cm.