


### 1.3 FCC Notice

1. The Model SUIR (SU-I) must be professionally installed.
2.  WARNING -- FCC RF Exposure Warnings  
 To satisfy FCC RF exposure requirements for RF transmitting devices, a minimum distance of 20 cm should be maintained between this device and persons during device operation. To ensure compliance, operation at closer than this distance is not recommended. The antenna used for this device must not be collocated in conjunction with any other antenna or transmitter.
3. Operation is restricted to the 25 MHz band 3.650-3.675 GHz (restricted contention based protocol for WiMAX devices).
4. FCC Information to Users @ FCC 15.21 & 15.105:  
 This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
5. Warning: Changes or modifications not expressly approved by Redline Communications could void the user's authority to operate the equipment.
6. Refer to section 1.4: FCC Certified Antenna on page 7 for a list of certified antennas.

### 1.4 FCC Certified Antenna

This device has been designed to operate only with the integrated antenna, having a maximum peak gain of 10.5 dBi. The configuration command 'rfConfig' (TxFixedPower field) listed below will limit the EIRP at any time to 1W/1MHz (30 dBm). The use of external antennas is strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

Table 1: FCC Approved Subscriber Antennas and Settings				
Description	Beam Width (Deg.)	TxFixedPower Setting (dBm) for 3.5 MHz Channel	TxFixedPower Setting (dBm) for 7 MHz Channel	Frequency Range (GHz)
Integrated (10.5 dBi)	72	+3	+6	3.650-3.675