FCC Part 15.247 Certification
Test Report

Frequency Hopping Spread Spectrum Transceiver Modular Approval

FCC ID: HSW-910M

FCC Rule Part: 15.247

ACS Report Number: 04-0132-15C

Manufacturer: Cirronet, Inc.
Equipment Type: Transceiver
Model: WIT910

RF Exposure Information

General Information:

Applicant: Cirronet, Inc.
ACS Project: 04-0132
FCC ID: HSW-910M
Device Category: Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Yagi
Antenna Gain: 8.5dB
Transmitter Conducted Power: 27.567dBm
Maximum System EIRP: 36.07dBm
Operating Configuration: Module to be installed in Mobile or Fixed mount host devices only.
Exposure Conditions: Greater than 23 centimeters

MPE Calculation

The minimum separation distance is calculated as follows:

$$E(V/m) = \frac{\sqrt{30xPxG}}{d} \qquad \text{Power Density: } P_d = (mW/cm^2) = \frac{E^2}{3770}$$

MPE Distance

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*					
Transmit Freq. (MHz)	**Radio Power (dBm)**	**Radio Power (W)**	**Antenna Gain (dBi)**	**Antenna Gain (mW eq.)**	**MPE Distance (cm)**
914.28	27.56	0.57108	8.5	7.08	22.98

Installation Guidelines
The installation manual contains the following text advising how to install the equipment to maintain compliance with the FCC RF exposure requirements:

"RF Exposure (Intentional Radiators Only)
In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element shall be installed such that a minimum separation distance of (23cm)."

Conclusion
This device complies with the MPE requirements by providing adequate separation between the device, any radiating structure and the general population.