

# Exhibit 11

## RF Exposure Information

Exhibit 11                      Radio Frequency Exposure

Name of Test:                      Radio Frequency Radiation Exposure Evaluation

Rule Part Number:    1.1307, 1.1310

**1.1307 Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.**

**TABLE 1—TRANSMITTERS, FACILITIES AND OPERATIONS SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION**

Multipoint Distribution Service (subpart K of part 21).	Non-building-mounted antennas: height above ground level to lowest point of antenna < 10 m and power > 1640 W EIRP Building-mounted antennas: power > 1640 W EIRP MDS licensees are required to attach a label to subscriber transceiver or transverter antennas that: (1) provides adequate notice regarding potential radio frequency safety hazards, e.g., information regarding the safe minimum separation distance required between users and transceiver antennas; and (2) references the applicable FCC-adopted limits for radio frequency exposure specified in § 1.1310.
Experimental, auxiliary, and special broadcast and other program distributional services (part 74).	Subpart I: non-building-mounted antennas: height above ground level to lowest point of antenna < 10 m and power > 1640 W EIRP Building-mounted antennas: power > 1640 W EIRP ITFS licensees are required to attach a label to subscriber transceiver or transverter antennas that: (1) provides adequate notice regarding potential radio frequency safety hazards, e.g., information regarding the safe minimum separation distance required between users and transceiver antennas; and (2) references the applicable FCC-adopted limits for radio frequency exposure specified in § 1.1310.

**1.1310 Radio frequency radiation exposure limits.**

**TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)**

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
1500–100,000 .....	.....	.....	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
1500–100,000 .....	.....	.....	1.0	30

f = frequency in MHz

Result: Radio Frequency Radiation Exposure Evaluation

The information contained in 1.1307(b)(1) Table 1 indicates that an RF Exposure label be attached to the transmitting antenna for equipment operating in the MDS and ITFS bands that exceed 1640 Watts EIRP. The NextNet Wireless Expedience system operates at 2 watts (33dBm) average power. The antenna for the transmitting signal could have up to 20 dBi of gain. Therefore the maximum transmitting power would be:

$$P_{max} = P_{tx} + G(\text{antenna}) + 2.15 \text{ (ERP to EIRP conversion)}$$

$$P_{max} = 33 + 20 + 2.15$$

$$P_{max} = 55.15 \text{ dBm} = 327.34 \text{ watts EIRP} < 1640 \text{ Watts EIRP}$$

$$P_{max} = 25.15 \text{ dBW EIRP}$$

The above calculation indicates that an RF Exposure label on the transmitting antenna is not required.

Calculations: The following calculations will be used to determine the minimum distance from the transmitting antenna that must be maintained to ensure that the exposure limit as defined in Table 1 of part 1.1310 (A) Limits for Occupational / Controlled Exposures. The formula for the following calculations are found in the OET Bulletin 65, edition 97-01 August 1997, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields".

$$S = \text{EIRP}/4\pi R^2$$

or

$$R = (\text{EIRP}/4\pi S)^{0.5}$$

$$\text{EIRP} = 327.34 \text{ W EIRP} = 327340 \text{ mW EIRP}$$

$$S = 5 \text{ mW/cm}^2$$

$$R = 72.17 \text{ cm}$$

Safe distance from transmitting antenna is 73 cm

Conclusion: Page 2 of the "Configuring, Installing, and Operating Base Stations" manual instructs the installation personnel to maintain at least a 1 meter separation from the antenna.

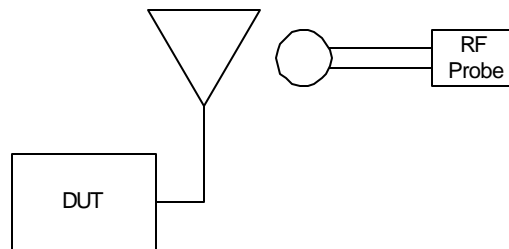
Test Procedure: Radio Frequency Radiation Exposure Evaluation

Test Conditions: Frequency = 2557 MHz  
Temperature = 25°C  
Supply Voltage = 48 Vdc

Test Equipment:

DUT	NextNet Wireless base unit Cherokee International power supply
Radiation Hazard Meter	General Microwave Corporation RAHAM Model 3
Antenna	Andrew Model: DMP20W060-V 20 dBi gain

Test Set-Up:



Test Results: The maximum RF Exposure reading attained at 3 cm away from the surface of the antenna case was measured to be 1.5 mW/cm<sup>2</sup>.