

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, 2.1091

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 ²)	Averaging Time (minutes)
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(B) Limits for General Population/Uncontrolled Exposure

1500–100,000	1.0	30
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f = frequency in MHz

§ 2.1091 Radio Frequency radiation exposure evaluation: mobile devices.

(a) Requirements of this section are a consequence of Commission responsibilities under the National Environmental Policy Act to evaluate the environmental significance of its actions. See subpart I of part 1 of this chapter, in particular § 1.1307(b).

(b) For purposes of this section, a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons. In this context, the term "fixed location" means that the device is physically secured at one location and is not able to be easily moved to another location. Transmitting devices designed to be used by consumers or workers that can be easily relocated, such as wireless devices associated with a personal computer, are considered to be mobile devices if they meet the 20 centimeter separation requirement.

(d) The limits to be used for evaluation are specified in § 1.1310 of this chapter. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/un-controlled exposure. (1) For purposes of analyzing mobile transmitting devices under the occupational/ controlled criteria specified in § 1.1310 of this chapter, time-averaging provisions of the guidelines may be used in conjunction with typical maximum duty factors to determine maximum likely exposure levels. (2) Time -averaging provisions may not be used in determining typical exposure levels for devices intended for use by consumers in general population uncontrolled environments as defined in § 1.1310 of this chapter. However, "source-based" time-averaging based on an inherent property or duty -cycle of a device is allowed. An example of this is the determination of exposure from a device that uses digital technology such as a time -division multiple-access (TDMA) scheme for transmission of a signal. In general, maximum average power levels must be used to determine compliance.

Calculations: 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 a maximum of 2 watts (33dBm) average power while transmitting. The Customer Premise Equipment (CPE) can operate at a maximum transmit duty cycle of 7.14 % based on a TDM frame. The antenna for the transmitting signal has 13 dBi of gain. Therefore the maximum transmitting power would be:

$$P_{max} = P_{tx} + G(\text{antenna}) - 10 \cdot \log(\text{duty cycle})$$

$$P_{max} = 33 + 13 - 10 \cdot \log(.0714)$$

$$P_{max} = 33 + 13 - 11.46$$

$$P_{max} = 34.54 \text{ dBm} = 2.844 \text{ Watts EIRP} < 1640 \text{ Watts EIRP}$$

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

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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 (B) Limits for General Population/Uncontrolled Exposure. 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

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

$$\text{EIRP} = 2.844 \text{ W} \quad \text{EIRP} = 2844 \text{ mW} \quad \text{EIRP}$$

$$S = 1 \text{ mW/cm}^2$$

$$R = 15.04 \text{ cm}$$

Calculated safe distance from transmitting antenna is 15.04 cm.

Notices: Page 2 of the "Installing and using your CPE device" manual instructs the user/operator to maintain at least 20 centimeters or 8 inches separation from the antenna and all surrounding people.

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Test Procedure: The NextNet Wireless, Inc. Expedience system operates as a Time Division Duplex (TDD) product with a Time Division Multiplex (TDM) frame structure. The Customer Premise Equipment (CPE) is able to transmit on only one time slot (164.571 usec) per frame (2.304 msec). This results in a maximum transmitter duty cycle for the CPE of $0.164571/2.304$ or 7.14 %. To measure the RF Exposure, the CPE is set up to upload a file to a computer at the base station.

Test Conditions: Frequency = 2557 MHz
 Temperature = 25°C
 Supply Voltage = 120 Vac

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Test Equipment: CPE

DUT	NextNet Wireless CPE
Computer	Dell Latitude LM Model: TS30GI FCC ID: IIRTS30GH S/N: 6497346BYK7274A
Power Supply	GlobTek, Inc. Model: GT-21097-4018 S/N: 00BD000420
Radiation Hazard Meter	General Microwave Corporation RAHAM Model 3 Cal Date: 01-16-2001 Cal Due: 01-15-2002

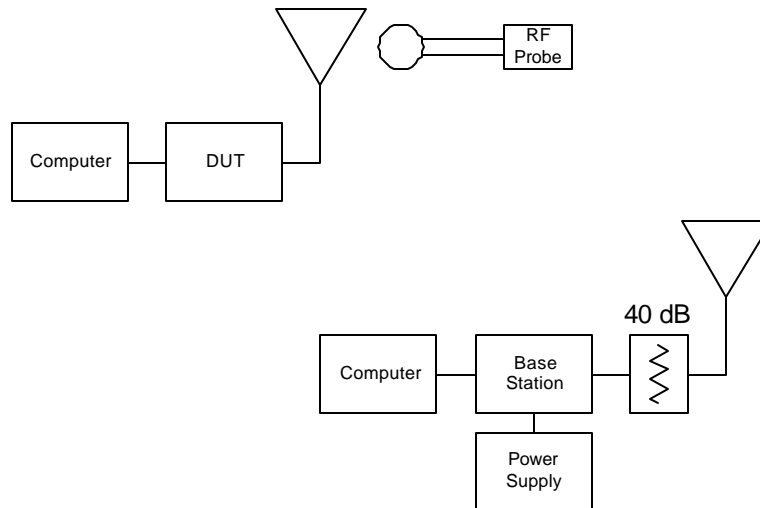
Base Station

Base Station	NextNet Wireless Model: 900-0100-1000 FCC ID: Pending
Power Supply	Cherokee International Model: CRP500L1H-1A Calibration not required
Attenuator	Inmet Corporation Model: 12B25W-20dB Calibration not required
Attenuator	Pasternak Model: PE7016-20 / 20 dB Calibration not required
Computer	Dell Dimension L550r Model: MCM S/N: 2ATPY

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Test Set-Up:



Test Results: At 20 cm away from the case of the CPE, the highest RF Exposure reading was measured to be 0.2 mW/cm^2 .

The maximum RF Exposure reading, measured with the probe sensing element ball touching the surface of the CPE case, was 0.8 mW/cm^2 .

The NextNet Wireless, Inc., Expedience, Customer Premise Equipment is well below the limits of RF Exposure for a mobile device.