

Exhibit 11

RF Exposure Information

Radio Frequency Radiation Exposure Evaluation

Rule Part Number: 1.1307, 1.1310, 2.1091, 15.247(b)(5)

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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(A) Limits for Occupational/Controlled Exposures

1500–100,000			5	6
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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

15.247(b)(5) Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §1.1307(b)(1) of this chapter.

Radio Frequency Radiation Exposure Evaluation

Calculations: The NextNet Wireless BTS-2400-AV Expedience Base Station can operate at a maximum of 0.5 watts (27 dBm) peak power while transmitting. The Base Station is capable of transmitting at a 100 % duty cycle while in test mode. The NextNet Wireless BTS-2400-AV Base Station contains an integral antenna vertically polarized and is sealed inside the unit.

The maximum vertical polarization antenna gain is 15 dBi.
Therefore the maximum radiated transmit power would be:

100 % Transmit duty cycle:

$P_{max} = P_{tx} + G(\text{antenna})$

$P_{max} = 27 \text{ (dBm)} + 15 \text{ (dBi)} = 27 + 15$

$P_{max} = 42 \text{ dBm} = 15.85 \text{ Watts EIRP}$

The following calculations can be used to determine the 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 and 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". It is noted that the formulas from Bulletin 65 are for prediction of power density in the far-field of the antenna and will over predict the requirements in the near-field.

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The maximum power level from the previous calculations will be used.

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

or

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

$$\text{EIRP} = 15.85 \text{ W} \quad \text{EIRP} = 15,850 \text{ mW} \quad \text{EIRP}$$

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

$$R = (15850/(4*\pi*1))^{0.5}$$

$$R = 35.51 \text{ cm}$$

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

$$R = (15850/4*\pi*5)^{0.5}$$

$$R = 15.88 \text{ cm}$$

The calculated safe distance from a transmitting antenna considered to be a point source radiation element is 35.51 cm for the general population and is 15.88 cm for occupational exposure. The antenna to be used for this base station is a phased array patch antenna that is integral to the product and is not detachable. A measurement of the power density at 36 cm and the distance from the antenna to achieve 1 mW/cm² of power density is detailed below.

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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. Because the base station is capable of transmitting at a 100% duty cycle in test mode, radiation hazard testing is performed with the maximum exposure potential. To measure the RF Exposure, the base station transmitter is enabled in a test mode and transmitting random data at the 0.5 watt power level into the integral antenna. Measurements are performed at the low, mid, and high channels and 4-QAM, 16-QAM, and 64-QAM modulation formats. Measurement distances are from the surface of the antenna pc board and are not from the surface of the radome cover.

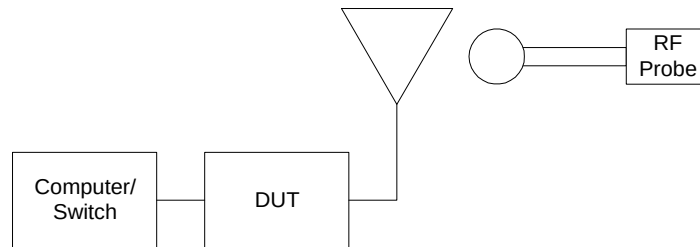
Test Conditions: Frequency = 2404, 2440, 2476 MHz
Temperature = 25°C
Supply Voltage = 120 Vac (19.5 VDC to BTS-2400-AV)

Test Equipment:

DUT	NextNet Wireless Base (BTS-2400-AV) # 24BTS00060304BTW04
Computer	Dell Inspiron 5000 Model: PPM S/N: 000832RM-12961-04R-0441
Ethernet Switch	D-Link Model: DSS-5+ 5 port 10/100Mbps S/N: B205335003175
Power Supply	Globetek Model: GT-21097-5024-4.5 19.5 Vdc / 2.56A Limited Power Source S/N: 008968 23/04
Radiation Hazard Meter	General Microwave Corporation RAHAM Model 3 Cal Date: 10-14-2003 Cal Due: 10-14-2005

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Test Set-Up:



Test Results:

100 % Duty Cycle

At 36 cm from the antenna, a maximum reading of $.21 \text{ mW/cm}^2$ was observed at 2404 MHz. Applying the calibration factor at 2.45 GHz of 1.19 to this value gives the actual measured value of:

$$.21 \text{ mW/cm}^2 * 1.19 = .25 \text{ mW/cm}^2$$

The maximum distance to achieve a reading of 1 mW/cm^2 (includes the correction factor) was observed at 2476 MHz. This distance was measured to be 11.4 cm (4.5 inches) and is the worst-case number observed for Radio Frequency Radiation Exposure on the BTS-2400-AV product.

Test Conclusion:

The NextNet Wireless, Inc., Expedience Base Station product (BTS-2400-AV) must be installed such that the RF Exposure requirements as detailed in 47CFR1.1310 are met.

Notices:

The "Installing the Low Power Base Station" manual contains the following information for the BTS-2400-AV base station:

WARNING: This equipment has been tested and found to comply with the FCC guidelines for Radio Frequency Radiation Exposure Limits as detailed below. A minimum of 36 centimeters or 14 inches of separation between the base station antenna and all persons must be maintained.