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Exhibit 11 RF Exposure Information

NextNet[®] Wireless, Inc. 9555 James Ave. South Suite 270 Bloomington, MN 55431

04/29/2005

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

Service (title 47 CFR rule part)	Evaluation required if—
Wireless Communications	Non-building-mounted antennas: height above
Service (Part 27)	ground level to lowest point of antenna < 10 m and
	power > 1640 W EIRP.
	Building-mounted antennas: power > 1640 W EIRP.
	BRS and EBS licensees are required to attach a label
	to subscriber transceiver or transverter antennas that:
	(1) Provide adequate notice regarding potential
	radiofrequency safety hazards, e.g., information
	regarding the safe minimum separation distance
	required between users and transceiver antennas; and
	(2) reference 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	Electric Field	Magnetic Field	Power Density	Averaging			
(MHz)	Strength	Strength	(mW/cm^2)	Time			
	(V/m)	(A/m)		(minutes)			
(A) Limits for Occupational/Controlled Exposures							
1500–100,000			5	6			
(B) Limits for General Population/Uncontrolled Exposure							
1500–100,000			1.0	30			
f - frequency in MIIz							

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 Environ-mental 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 NextNet Wireless Expedience RSU-2510-F operates at a maximum of 2 watts (33 dBm) average power while transmitting in the 2496-2690 MHz band. The RSU-2510-F has a maximum transmit duty cycle of 14.29 % and is based on a TDM frame (see test information at end of this report).

The vertically polarized antenna has 13 dBi of gain. Therefore, the maximum radiated transmit power would be:

14.29% Transmit Duty Cycle:

Pmax = Ptx(dBm) + G(antenna(dBi)) - 10*log(duty cycle)(dB) Pmax = 33 + 13 - 10*log(0.1429) = 33 + 13 - 8.45 Pmax = 37.55 dBim = 5.688 Watts EIRP < 1640 Watts EIRP

The horizontally polarized antenna has 12.2 dBi of gain. Therefore, the maximum radiated transmit power would be:

14.29% Transmit Duty Cycle:

 $\begin{array}{l} Pmax = Ptx(dBm) + G(antenna(dBi)) - 10*log(duty cycle)(dB) \\ Pmax = 33 + 12.2 - 10*log(0.1429) = 33 + 12.2 - 8.45 \\ Pmax = 36.75 \ dBim = 4.7315 \ Watts \ EIRP < 1640 \ Watts \ EIRP \end{array}$

Calculations: 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. 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".

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

 $S = EIRP/4\pi R^{2}$ or $R = (EIRP/4\pi S)^{0.5}$

2496-2690 MHz Band:

S=1 mW/cm ²	R=20 cm
EIRP = 5.688 W	EIRP = 5.688 W
EIRP = 5688 mW	EIRP = 5688 mW
$S = 1 mW/cm^2$	R = 20 cm
$\mathbf{R} = (5688/(4^*\pi^*1))^{0.5}$	$S = 5688/(4*pi*20^2)$
R = 21.2753 cm	$S = 1.1316 \text{ mW/cm}^2$

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Calculated safe distance from the transmitting antenna is 21.27 cm for a point source radiation element, or the maximum field strength for a point source radiation element at 20 cm would be 1.1316 mW/cm^2 . The NextNet Wireless Expedience CPE uses a four element patch array. The power supplied to each patch is one quarter the total power that would be supplied to a single radiating antenna as described in Bulletin 65. Because the transmitted power is distributed over a larger area, the actual signal at 20 cm will be less that the calculated value. A measurement of the signal strength at 20 cm is detailed below.

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 RSU-2510-FV and RSU-2510-FH Customer Premise Equipment (CPE) are able to transmit a time division duplex (TDD) signal up to a 14.29 % transmit duty cycle. To measure the RF Exposure, the RSU transmitter is enabled in a test mode that transmits random data at the 2 watt power level into the antenna. Measurements are performed at the low, mid, and high channels of each channel bandwidth, using the maximum transmitter duty cycle and both antenna polarizations
Standard:	IEEE Standard C95.3-2002 IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz–300 GHz
Test Conditions:	Frequencies: 2499, 2575, 2621 MHz (6 MHz channels) 2504.75, 2565.25, 2626.75, 2687.25 MHz (5.5 MHz channels) Temperature = 25°C Supply Voltage = 13.0 VDC nominal applied to RSU-2510-F

Test Set-Up:



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Test Results:	Vertically Polarized Antenna				
	14.29 % Duty Cycle At 20 cm away from the surface of the RSU-2510-FV, the higher RF Exposure reading was measured to be 0.55 mW/cm ² . Correcting for the calibration factor, this value becomes $0.55*1.4$ = 0.58 mW/cm ² .				
	Horizontally Polarized Antenna				
	14.29 % Duty Cycle At 20 cm away from the surface of the RSU-2510-FH, the highest RF Exposure reading was measured to be 0.50 mW/cm ² . Correcting for the calibration factor, this value becomes $0.50*1.05 = 0.53$ mW/cm ² .				
Test Conclusion:	The NextNet Wireless, Inc., Expedience, RSU-2510-FV and RSU-2510-FH Customer Premise Equipment is below the limits for RF Exposure as detailed in 47CFR1.1310.				

The following warning statement is included in the RSU-2510-F operating manual:

NOTICE: This equipment has been tested and found to comply with the Radio Frequency Radiation Exposure Limits detailed below. A minimum of 20 centimeter (8 inches) separation between the RSU antenna and the operator and all other persons must be maintained.

The following information is located on the RSU-2510-F product:

To comply with FCC radio frequency exposure rules, 47CFR1.1307 and 1.1310, a minimum separation of 20 cm (8 inches) is required between this device and all persons.

Verification of the transmit duty cycle is shown below.



Wide time sweep of transmitter at maximum duty cycle (14.29%)



Time measurement between one complete transmit cycle is 2.304 msec.

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Exhibit 11 Radio Frequency Exposure



TX pulse number 1 on time = 164.6 usec.



TX pulse number 2 on time = 164.6 usec

Exhibit 11 Radio Frequency Exposure

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Marker 1R	Trace (1)	Type Time	X	Axis 199 ne			Amplit 16.12	ude dBm	
10	(1)	Time	16	54.6 μs			2.88	dB	
2R	(1)	Time	22	22.6 µs			23.92	dBm	Off
24	(1)	Time	18	64.6 μs			-2.24	dB	
									More
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TX pulse 1 and 2

Transmit duty cycle = total time transmitting / time between repetition

Transmit duty cycle = (164.6 usec + 164.6 usec) / 2.304 msec

Transmit duty cycle = 329.2 usec / 2.304 msec = .14288 or 14.288 %