1.1. Test Result of RF Exposure Evaluation

. Product: N1 Wireless Router

. Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 1.8 dBi.

1.1.2. EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

1.1.3. Output Power into Antenna & RF Exposure Evaluation Distance

Modulation Standard: IEEE 802.11b

Test Date: Aug. 15, 2006 Temperature: 26℃ Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	16.54	0.014
06	2437	16.87	0.015
11	2462	17.11	0.015

Modulation Standard: IEEE 802.11g

Test Date: Aug. 15, 2006 Temperature: 26℃ Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm2)
01	2412	13.20	0.006
06	2437	13.76	0.007
11	2462	14.06	0.008

Modulation Standard: IEEE 802.11MIMO

Test Date: Aug. 15, 2006 Temperature: 26℃ Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm2)
01	2412	16.12	0.012
06	2437	16.50	0.013
11	2462	16.56	0.014

Modulation Standard: IEEE 802.11MIMO + CB

Test Date: Aug. 15, 2006 Temperature: 26℃ Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm2)
03	2422	16.33	0.013
06	2437	16.51	0.013
09	2452	16.61	0.014

The MPE is calculated as 0.015 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

For 2412-2462 MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.