

1.1. Test Result of RF Exposure Evaluation

- . Product: N Wireless Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

- Ant1: Dipole antenna, 1.8 dBi
- Ant2: Dipole antenna, 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

Test Date: Feb. 17, 2009

Temperature: 23

Atmospheric pressure: 1020 hPa

Humidity: 67%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (11Mbps)	01	2412	18.11	0.019
	06	2437	18.07	0.019
	11	2462	18.12	0.020
802.11g (54Mbps)	01	2412	16.20	0.013
	06	2437	16.13	0.012
	11	2462	16.25	0.013
802.11n HT20 (130Mbps)	01	2412	16.07	0.012
	06	2437	16.03	0.012
	11	2462	16.11	0.012
802.11n HT40 (270Mbps)	03	2422	16.23	0.013
	06	2437	16.27	0.013
	09	2452	16.16	0.012

The MPE is calculated as $0.020\text{mW} / \text{cm}^2 < \text{limit } 1\text{ mW} / \text{cm}^2$. 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.