

1.1. Test Result of RF Exposure Evaluation

- . Product: Wireless-N 150 ADSL2+ Modem Router
- . Test Item: RF Exposure Evaluation Data
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Dipole Antenna, 2dBi

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: Sep. 01, 2009 Temperature: 26 Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Out put power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (11Mbps)	01	2412	17.32	0.017
	06	2437	17.02	0.016
	11	2462	17.40	0.017
802.11g (6Mbps)	01	2412	17.07	0.016
	06	2437	17.45	0.018
	11	2462	17.01	0.016
802.11n, HT20 (6.5Mbps)	01	2412	15.58	0.011
	06	2437	15.59	0.011
	11	2462	15.38	0.011
802.11n, HT40 (13.5Mbps)	03	222	15.45	0.011
	06	2437	15.27	0.011
	09	2452	15.09	0.010

The MPE is calculated as $0.018\text{mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. 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.