

1.1. Test Result of RF Exposure Evaluation

- . Product: 54 Mbps Wireless ADSL2+Modem Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 2.0dBi.

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 Mode 1:

Modulation Standard: IEEE 802.11b

Test Date: Apr. 30, 2007

Temperature: 25

Humidity: 67%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	18.11	0.020
06	2437	18.08	0.020
11	2462	17.74	0.019

Test Mode 1:

Modulation Standard: IEEE 802.11g

Test Date: Feb. 28, 2007

Temperature: 25

Humidity: 69%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.96	0.010
06	2437	14.94	0.010
11	2462	14.84	0.009

Test Mode 2:

Modulation Standard: IEEE 802.11b

Test Date: Jun. 26, 2007

Temperature: 26

Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	17.91	0.019
06	2437	17.85	0.019
11	2462	17.26	0.017

Test Mode 2:

Modulation Standard: IEEE 802.11g

Test Date: Jun. 26, 2007

Temperature: 26

Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.98	0.010
06	2437	14.90	0.010
11	2462	14.68	0.009

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.