

## 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 <sup>2</sup> )
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 <sup>2</sup> )
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 <sup>2</sup> )
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 <sup>2</sup> )
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.