

## 1.1. Test Result of RF Exposure Evaluation

- . Product: ADSL2+ Modem with Wireless G 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 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 of 20 cm

Modulation Standard: IEEE 802.11b

Test Date: Mar. 21, 2006      Temperature: 24      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	22.45	0.0550
06	2437	24.24	0.0840
11	2462	22.10	0.0510

Modulation Standard: IEEE 802.11g

Test Date: Mar. 21, 2006      Temperature: 24      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	20.80	0.0380
06	2437	23.69	0.0740
11	2462	20.38	0.0340

The MPE is calculated as  $0.0840 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . 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.