

## 1.1. Test Result of RF Exposure Evaluation

- . Product: Wireless 802.11g Broadband AP Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Transmit / Receive

### 1.1.1. Antenna Gain

The maximum Gain is 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 of 20 cm

Modulation Standard: IEEE 802.11b

Test Date: Apr. 20, 2006

Temperature: 25

Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	18.20	0.0200
06	2437	18.38	0.0210
11	2462	18.36	0.0210

Modulation Standard: IEEE 802.11g

Test Date: Jan. 24, 2006

Temperature: 25

Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	14.34	0.0080
06	2437	14.34	0.0080
11	2462	14.38	0.0080

The MPE is calculated as  $0.0210 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . 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.