

## 1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11g 54Mbps Wireless LAN PCI Adapter
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

### 1.1.1. Antenna Gain

The maximum Gain is 2.0 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

Modulation Standard: DSSS

Test Date: Jun. 26, 2008

Temperature: 25°C

Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.68	0.018491
06	2437	18.07	0.020228
11	2462	18.25	0.021084

Modulation Standard: OFDM

Test Date: Jun. 26, 2008

Temperature: 25°C

Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	14.32	0.008530
06	2437	14.81	0.009549
11	2462	14.98	0.009930

The MPE is calculated as  $0.021084 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . 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 2.5cm 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.