

## 1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11 Wireless Device Sever
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Transmit / Receive

### 1.1.1. Antenna Gain

Antenna 1 Gain is 5.3 dBi.  
Antenna 2 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

Antenna 1

Modulation Standard: IEEE 802.11b

Test Date: Apr. 28, 2006      Temperature: 25      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	12.64	0.0120
06	2437	12.66	0.0220
11	2462	12.59	0.0110

Modulation Standard: IEEE 802.11g

Test Date: Apr. 28, 2006      Temperature: 25      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	16.55	0.0280
06	2437	16.53	0.0280
11	2462	16.49	0.0280

Antenna 2

Modulation Standard: IEEE 802.11b

Test Date: Apr. 28, 2006      Temperature: 25      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	12.64	0.0060
06	2437	12.66	0.0060
11	2462	12.59	0.0060

Modulation Standard: IEEE 802.11g

Test Date: Apr. 28, 2006      Temperature: 25      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	16.55	0.0140
06	2437	16.53	0.0140
11	2462	16.49	0.0140

The MPE is calculated as  $0.0280 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . 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.