

1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11 Wireless Device Server
- . 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 ²)
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 ²)
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 ²)
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 ²)
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.