

1.1. Test Result of RF Exposure Evaluation

- . Product: 54 Mbps Wireless Powerline Access Point
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Transmit / Receive

1.1.1. Antenna Gain

The maximum Gain is 1.0 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 of 20 cm

Modulation Standard: IEEE 802.11b

Test Date: Feb. 22, 2006 Temperature: 22 Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	17.52	0.0140
06	2437	17.67	0.0150
11	2462	17.80	0.0150

Modulation Standard: IEEE 802.11g

Test Date: Feb. 22, 2006 Temperature: 22 Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	13.16	0.0050
06	2437	13.30	0.0050
11	2462	14.52	0.0070

The MPE is calculated as $0.0150 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. 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.