

1.1. Test Result of RF Exposure Evaluation

- . Product: Ethernet Firewall/VPN/Router 10/100 MB with Wireless LAN
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 5.0 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: IEEE 802.11b

Test Date: Dec. 01, 2006 Temperature: 24 Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	22.66	0.116
06	2437	22.65	0.116
11	2462	22.65	0.116

Modulation Standard: IEEE 802.11g

Test Date: Dec. 01, 2006 Temperature: 24 Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	20.29	0.067
06	2437	20.08	0.064
11	2462	20.09	0.064

Modulation Standard: IEEE 802.11 Super G (108Mbps)

Test Date: Dec. 01, 2006 Temperature: 24 Humidity: 68% Atmospheric pressure: 1010

hPa

Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
01	2412	---	---
06	2437	20.44	0.070
11	2462	---	---

The MPE is calculated as $0.116 \text{ mW / cm}^2 < \text{limit } 1 \text{ mW / cm}^2$. 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.