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. 20, 2006 Temperature: 25℃ Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	23.40	0.138
06	2437	23.11	0.129
11	2462	23.06	0.127

Modulation Standard: IEEE 802.11g

Test Date: Dec. 20, 2006 Temperature: 25℃ Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	19.46	0.056
06	2437	19.47	0.056
11	2462	19.57	0.057

Modulation Standard: IEEE 802.11 Super G (108Mbps)

Test Date: Dec. 20, 2006 Temperature: 25℃ Humidity: 65%

Channel	Frequency (MHz)	Peak Power Output (dBm)	Power Density (S) (mW/cm^2)
01	2412	---	---
06	2437	20.43	0.069
11	2462	---	---

The MPE is calculated as 0.138 mW / cm^2 < limit 1 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.