

1.1. Test Result of RF Exposure Evaluation

- . Product: Ethernet Firewall/VPN/Router 10/100MB 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 2 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 20 cm

Test Mode1:

Modulation Standard: IEEE 802.11b

Test Date: Nov. 06, 2007 Temperature: 25 Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	23.55	0.071
06	2437	23.44	0.070
11	2462	23.82	0.076

Modulation Standard: IEEE 802.11g

Test Date: May. 21, 2007 Temperature: 25 Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	19.91	0.031
06	2437	20.32	0.034
11	2462	20.43	0.035

Modulation Standard: IEEE 802.11 SuperG

Test Date: May. 21, 2007 Temperature: 25 Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
06	2437	20.14	0.033

The MPE is calculated as $0.076 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. 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.