

1.1. Test Result of RF Exposure Evaluation

- . Product: ProSafe Wireless- 802.11b/g/n VPN Firewall
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

ANT R: Dipole antenna, 2.59 dBi
 ANT L: Dipole antenna, 1.9dBi

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

Test Date: Jun. 17, 2011

Temperature: 25

Atmospheric pressure: 1025 hPa

Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)		Power Density (S) (mW/cm ²)	
			ANT R	ANT L	ANT R	ANT L
802.11b (1Mbps)	01	2403	17.55	16.55	0.021	0.014
	06	2438	16.50	17.30	0.016	0.017
	11	2478	16.98	16.22	0.018	0.013
802.11g (6Mbps)	01	2412	18.19	19.06	0.024	0.025
	06	2437	22.31	22.13	0.061	0.050
	11	2462	17.26	18.81	0.019	0.023

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11n HT20 (6.5Mbps)	01	2412	21.13	0.047
	06	2437	25.02	0.115
	11	2462	20.84	0.044
802.11n HT40 (13.5Mbps)	03	2422	19.82	0.035
	06	2437	24.89	0.111
	09	2452	19.57	0.033

The MPE is calculated as $0.115\text{mW} / \text{cm}^2 < \text{limit } 1\text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.

For 2403-2478 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.