

## 1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11n High-speed Wireless LAN PCI Adapter.  
Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

### 1.1.1. Antenna Gain

The maximum Gain is 2.00 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: DSSS

Test Date: Sep. 30, 2008      Temperature: 25°C      Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.82	0.01909635
06	2437	17.85	0.01922872
11	2462	17.90	0.01945138

Modulation Standard: OFDM

Test Date: Sep. 30, 2008      Temperature: 25°C      Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	13.60	0.00722687
06	2437	13.89	0.00772592
11	2462	14.06	0.00803434

Modulation Standard: OFDM-20MHz

Test Date: Sep. 30, 2008      Temperature: 25°C      Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	14.56	0.00901468
06	2437	14.79	0.00950496
11	2462	14.82	0.00957085

Modulation Standard: OFDM-40MHz

Test Date: Sep. 30, 2008      Temperature: 25°C      Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
03	2422	13.14	0.00650055
06	2437	13.19	0.00657583
09	2452	13.13	0.00648560

The MPE is calculated as  $0.01945138 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . So, RF exposure limit warning or SAR test are not required.

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For 2412~2462 MHz, the EUT will only be used with a separation of 2.5cm 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.