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: Aug. 16, 2009 Temperature: 30℃ Humidity: 60％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.14	0.010303
06	2437	14.57	0.009035
11	2462	15.59	0.011427

Modulation Standard: OFDM
Test Date: Aug. 16, 2009 Temperature: 30℃ Humidity: 60％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.20	0.010446
06	2437	15.06	0.010115
11	2462	13.40	0.006902

Modulation Standard: OFDM-20MHz
Test Date: Aug. 16, 2009 Temperature: 30℃ Humidity: 60％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.55	0.011323
06	2437	15.34	0.010788
11	2462	14.59	0.009077

Modulation Standard: OFDM-40MHz
Test Date: Aug. 16, 2009Temperature: 30℃ Humidity: 60％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)

03	2422	15.52	0.011245
06	2437	15.60	0.011454
09	2452	15.74	0.011829

The MPE is calculated as 0.011829 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

a 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.