1.1. Test Result of RF Exposure Evaluation

. Product: IEEE802.11n Draft Wireless PC Card

. Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 2.0 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

(1) Modulation Standard: IEEE 802.11b(11Mbps)

Test Date: Dec. 18, 2007 Temperature: 22℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	18.23	0.021
06	2437	18.09	0.020
11	2462	17.93	0.020

(2) Modulation Standard: IEEE 802.11g(24Mbps)

Test Date: Jan. 04, 2008 Temperature: 22℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.10	0.010
06	2437	15.45	0.011
11	2462	15.01	0.010

(3) Modulation Standard: IEEE 802.11 Draft n, 20MHz(6.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	11.20	0.004
06	2437	11.01	0.004
11	2462	11.03	0.004

(4) Modulation Standard: IEEE 802.11 Draft n, 40MHz(13.5Mbps)

Test Date: Dec. 18, 2007 Temperature: 22℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
03	2422	10.93	0.004
06	2437	10.89	0.004
09	2452	11.11	0.004

The MPE is calculated as 0.021 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.