1.1. Test Result of RF Exposure Evaluation

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

1.1.1. Antenna Gain The maximum Gain is 3.00 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 7, 2009 Temperature: 13℃ Humidity: 64％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.48	0.014027
06	2437	14.67	0.011640
11	2462	14.57	0.011375

Modulation Standard: OFDM
Test Date: Sep 7, 2009 Temperature: 13℃ Humidity: 64％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	13.57	0.009035
06	2437	14.23	0.010518
11	2462	14.45	0.011065

Modulation Standard: OFDM-20MHz
Test Date: Sep 7, 2009 Temperature: 13℃ Humidity: 64％

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.29	0.013426
06	2437	17.08	0.020275
11	2462	17.44	0.022027

Modulation Standard: OFDM-40MHz
Test Date: Sep 7, 2009 Temperature: 13℃ Humidity: 64％

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

03	2422	15.54	0.014222
06	2437	17.00	0.019904
09	2452	17.33	0.021476

The MPE is calculated as 0.022027 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.