1.1. Test Result of RF Exposure Evaluation

. Product: IEEE 802.11n Wireless 1T1R Travel Router
Test Item: RF Exposure Evaluation Data
. Test site: OATS
. Test Mode: Normal Operation

1.1.1. The max Antenna gain is 3.0dBi.

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: Oct 22, 2010 Temperature: 23℃ Humidity: 58％
TX B MODE CH01, CH06, **CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	**2412**	**17.53**	**0.033812**
06	2437	16.90	0.029246
11	2462	17.28	0.031921

Modulation Standard: OFDM
Test Date: Oct 22, 2010 Temperature: 23℃ Humidity: 58％
TX G MODE CH01, CH06, **CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	**2412**	**20.87**	**0.072958**
06	**2437**	20.56	0.067932
11	**2462**	20.09	0.060964

Modulation Standard: OFDM
Test Date: Oct 22, 2010 Temperature: 23℃ Humidity: 58％
TX N-20M MODE CH01, CH06**, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	**2412**	19.18	0.049439
06	**2437**	**19.61**	**0.054584**
11	**2462**	19.31	0.050941

Modulation Standard: OFDM
Test Date: Oct 22, 2010 Temperature: 23℃ Humidity: 58％
TX N-40M MODE CH03, CH06, **CH09**

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

01	**2422**	17.99	0.037590
06	**2437**	18.23	0.039726
11	**2452**	**18.33**	**0.040651**

The MPE is calculated as **0.072958** 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 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.