

## 1.1. Test Result of RF Exposure Evaluation

- . Product: Wireless 11N 2T2R Access Point
- Test Item: RF Exposure Evaluation Data
- . Test site: OATS
- . Test Mode: Normal Operation

1.1.1. Antenna Gain The maximum Gain is 1.8 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: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX B MODE CH01, CH06, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	<b>17.63</b>	<b>0.01745623</b>
<b>06</b>	<b>2437</b>	17.10	0.01545078
<b>11</b>	<b>2462</b>	17.25	0.01599375

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX G MODE CH01, CH06, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	22.34	0.05163574
<b>06</b>	<b>2437</b>	<b>23.39</b>	<b>0.06575827</b>
<b>11</b>	<b>2462</b>	23.16	0.06236636

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-20M MODE CH01, CH06, CH11 (Ant 0)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	23.74	0.07127716
<b>06</b>	<b>2437</b>	<b>23.88</b>	<b>0.07361230</b>
<b>11</b>	<b>2462</b>	23.81	0.07243532

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-20M MODE CH01, CH06, CH11 (Ant 1)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	<b>23.30</b>	<b>0.06440957</b>
<b>06</b>	<b>2437</b>	23.24	0.06352583
<b>11</b>	<b>2462</b>	23.16	0.06236636

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-20M MODE CH01, CH06, CH11 (Ant 0+Ant 1)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	26.53	0.13550346
<b>06</b>	<b>2437</b>	<b>26.58</b>	<b>0.13707251</b>
<b>11</b>	<b>2462</b>	26.50	0.13457066

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-40M MODE CH03, CH06, CH09 (Ant 0)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	23.26	0.06381906
<b>06</b>	<b>2437</b>	23.20	0.06294342
<b>11</b>	<b>2462</b>	<b>23.35</b>	<b>0.06515539</b>

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-40M MODE CH03, CH06, CH09 (Ant 1)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	<b>23.64</b>	<b>0.06965469</b>
<b>06</b>	<b>2437</b>	23.52	0.06775641
<b>11</b>	<b>2462</b>	23.36	0.06530559

Modulation Standard: OFDM

Test Date: APR 18, 2010 Temperature: 24°C Humidity: 60%

**TX N-40M MODE CH03, CH06, CH09 (Ant 0+Ant 1)**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	<b>26.46</b>	<b>0.13333690</b>
<b>06</b>	<b>2437</b>	26.37	0.13060216
<b>11</b>	<b>2462</b>	26.36	0.13030179

The MPE is calculated as **0.13707251** mW / cm<sup>2</sup> < limit 1 mW / cm<sup>2</sup>. 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.