

1.1. Test Result of RF Exposure Evaluation

- Product: 150Mbps Portable Wireless AP/Router
- Test Item: RF Exposure Evaluation Data
- Test site: CB03/DG-C03
- Test Mode: Normal Operation

1.1.1. Antenna Gain The maximum Gain is 2.5 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 21, 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 ²)
01	2412	21.47	0.049654
06	2437	22.82	0.067756
11	2462	20.67	0.041300

Modulation Standard: OFDM

Test Date: Aug 21, 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 ²)
01	2412	18.34	0.024152
06	2437	18.76	0.026604
11	2462	17.50	0.049904

Modulation Standard: OFDM

Test Date: Aug 21, 2010 Temperature:24°C Humidity: 60%

TX N-20M MODE CH01, CH06, CH11

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	17.30	0.019009
06	2437	18.54	0.025290
11	2462	18.25	0.023656

Modulation Standard: OFDM

Test Date: Aug 21, 2010 Temperature: 24°C Humidity: 60%

TX N-40M MODE CH03, CH06, CH09

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
03	2422	18.50	0.025058
06	2437	18.57	0.025465
09	2452	18.37	0.024319

The MPE is calculated as **0.067756** mW/cm² < limit 1 mW/cm².

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.