

1.1. Test Result of RF Exposure Evaluation

- . Product: Wireless-N HomePlug AV200 Ethernet Adapter
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Antenna 1 : 2.24dBi
 Antenna 2 : 2.24dBi

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) Test Date: Jan. 13, 2011 Temperature: 20 Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)		Power Density (S) (mW/cm ²)	
			Ant1	Ant2	Ant1	Ant2
802.11b (11Mbps)	01	2412	20.75	20.65	0.040	0.039
	06	2437	20.37	20.39	0.036	0.036
	11	2462	20.39	20.42	0.036	0.037
802.11g (54Mbps)	01	2412	16.73	16.51	0.016	0.015
	06	2437	17.14	16.41	0.017	0.015
	11	2462	16.15	16.28	0.014	0.014

(2) Test Date: Jan. 13, 2011 Temperature: 20 Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)			Power Density (S) (mW/cm ²)		
			Ant1	Ant2	Total	Ant1	Ant2	Total
802.11n, HT20 (104Mbps)	01	2412	15.82	15.47	18.66	0.013	0.012	0.024
	06	2437	15.25	15.37	18.32	0.011	0.011	0.023
	11	2462	15.74	14.85	18.33	0.012	0.010	0.023
802.11n, HT40 (108Mbps)	03	2422	14.79	14.70	17.76	0.010	0.010	0.020
	06	2437	14.90	14.70	17.81	0.010	0.010	0.020
	09	2452	14.83	14.61	17.73	0.010	0.010	0.020

The MPE is calculated as $0.040\text{mW} / \text{cm}^2 < \text{limit } 1\text{ mW} / \text{cm}^2$. 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.