

1.1. Test Result of RF Exposure Evaluation

- . Product: WiFi module
- . Test Item: RF Exposure Evaluation Data
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Antenna 1:	PCB Antenna,	2.86dBi
Antenna 2:	PCB Antenna,	2.74dBi
Antenna 3:	PCB Antenna,	2.19dBi
Antenna 4:	PCB Antenna,	2.50dBi
Antenna 5:	PCB Antenna,	0.77dBi

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

Test Date: Jul. 14, 2009 Temperature: 27 Humidity: 64%

Modulation Standard	Channel	Frequency (MHz)	Out put power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (1Mbps)	01	2412	18.53	0.027
	06	2437	18.15	0.025
	11	2462	18.20	0.025
802.11g (6Mbps)	01	2412	19.69	0.036
	06	2437	23.23	0.081
	11	2462	19.57	0.035
802.11n, HT20 (6.5Mbps)	01	2412	18.16	0.025
	06	2437	23.46	0.085
	11	2462	17.21	0.020
802.11n, HT40 (13.5Mbps)	03	222	15.63	0.014
	06	2437	23.77	0.092
	09	2452	15.51	0.014

The MPE is calculated as $0.085\text{mW} / \text{cm}^2 < \text{limit } 1\text{ mW} / \text{cm}^2$. 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.