

Test Result of RF Exposure Evaluation

- . Product: Broadband Sharing Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.4 GHz

Antenna R:

Antenna type: Dipole Antenna

Antenna Gain: 3.00 dBi

Antenna L:

Antenna type: Dipole Antenna

Antenna Gain: 3.00 dBi

EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

Output Power into Antenna & RF Exposure Evaluation Distance

Test Date: Nov. 04, 2011

Temperature: 25

Atmospheric pressure: 1020 hPa

Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)		Power Density (S) (mW/Cm2)	
			ANT R	ANT L	ANT R	ANT L
802.11b (11Mbps)	01	2412	17.47	17.28	0.022	0.021
	06	2437	17.29	17.29	0.021	0.021
	11	2462	17.51	17.06	0.022	0.020
802.11g (6Mbps)	01	2412	14.13	14.35	0.010	0.011
	06	2437	14.04	14.64	0.010	0.012
	11	2462	14.28	14.06	0.011	0.010

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)	Power Density (S) (mW/Cm2)
			ANT R+L	ANT R+L
802.11n HT20 (13Mbps)	01	2412	16.19	0.017
	06	2437	16.52	0.018
	11	2462	16.27	0.018
802.11n HT20 (27Mbps)	01	2412	16.19	0.017
	06	2437	16.52	0.017
	11	2462	16.27	0.018

The MPE is calculated as $0.022 \text{ mW / cm}^2 < \text{limit } 1 \text{ mW / cm}^2$. So, RF exposure limit warning or SAR test are not required.