

Test Result of RF Exposure Evaluation

- . Product: 4-Port Wireless Serial Device Server
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.412-2.462 GHz
Antenna type: Dipole Antenna
Antenna Gain: 2 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: Mar. 12, 2012

Temperature: 24

Atmospheric pressure: 1020 hPa

Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (11Mbps)	01	2412	17.14	0.016
	06	2437	17.18	0.016
	11	2462	17.27	0.017
802.11g (54Mbps)	01	2412	15.65	0.012
	06	2437	15.48	0.011
	11	2462	15.93	0.012
802.11n HT20 (130Mbps)	01	2412	15.38	0.011
	06	2437	15.79	0.012
	11	2462	15.79	0.012
802.11n HT40 (270Mbps)	03	2422	15.29	0.011
	06	2437	15.85	0.012
	09	2452	15.95	0.012

The MPE is calculated as $0.017 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.