

Description of Operation

EUT is a [Wireless Mini PCI card](#) with 11 channels. This device provided 1/2/5.5/11/6/9/12/18/24/36/48/54 Mbps of transmitting speed. The device of RF carrier is DQPSK,DBPSK,CCK and OFDM. The device adapts direct sequence spread spectrum modulation. The antenna is [Dipole](#) Antenna.

This [Wireless Mini PCI card](#) is an IEEE 802.11b/g Wireless LAN module. It allows your notebook to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplex-ing (OFDM) radio transmission, the [Wireless Mini PCI card](#) transfers data at speeds up to 64/128-bit Wired Equivalent Protection(WEP) algorithm and the new industrial-strength WPA (Wi-Fi Protected Access™) security is used. In addition, its standard compliance ensures that it can communicate with any 802.11b/g network.

Features of Equipment under Test

Items	Description
Type of Modulation	DSSS (CCK / DQPSK / DBPSK) OFDM (16QAM / 64QAM / DQPSK / DBPSK)
Number of Channels	11
Frequency Band	2400 MHz ~ 2483.5 MHz
Carrier Frequency Range	2412.0 MHz ~ 2462.0 MHz
Data Rate	1, 2, 5.5, 11 Mbps - DSSS 6, 12, 18, 24, 36, 48, 54 Mbps - OFDM
Max. Conducted Output Power	DSSS : 15.24 dBm OFDM : 14.17 dBm
Antenna Type	Dipole Antenna / 2.00 dBi
Communication Type	Half-Duplex
Testing Duty Cycle	100.00%
Power Rating (DC/AC, Voltage)	3.3VDC from Host
Test Power Source	120.00V AC
Temperature Range (Operating)	0 ~ 50 °C