

1.2. Operational Description

The EUT is an 802.11 n/b/g WLAN PCI-e Card with 11 channels. This device provided four kinds of transmitting speed 1, 2, 5.5 and 11Mbps and the device of RF carrier is DBPSK, DQPSK and CCK (IEEE 802.11b). The device provided of eight kinds of transmitting speed 6, 9, 12, 18, 24, 36, 48 and 54Mbps the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM (IEEE 802.11g).

The device provided of eight kinds of transmitting speed 6.5,13,19.5,26,39,52,58.5 and 65Mbps in 802.11n(20BW) mode and 13,26,39,52,78,104,117 and 130 Mbps(40BW) the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM (IEEE 802.11n).

The device adapts direct sequence spread spectrum modulation. The antenna provides diversity function to improve the receiving function.

This 802.11 n/b/g WLAN PCI-e Card, compliant with IEEE 802.11b and IEEE 802.11g, is a high-efficiency Wireless LAN adapter. It allows your computer 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) radio transmission, the 802.11 n/b/g WLAN PCI-e Card Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b and IEEE 802.11g network.

Test Mode	Mode 1: Transmitter (802.11b 1Mbps)-EXTERNAL Antenna
	Mode 2: Transmitter (802.11g 6Mbps)-EXTERNAL Antenna
	Mode 3: Transmitter (802.11n MCS0 6.5Mbps 20MBW)-EXTERNAL Antenna
	Mode 4: Transmitter (802.11n MCS8 13Mbps 40MBW)-EXTERNAL Antenna
	Mode 5: Transmitter (802.11b 1Mbps)-INTERNAL Antenna
	Mode 6: Transmitter (802.11g 6Mbps)-INTERNAL Antenna
	Mode 7: Transmitter (802.11n MCS0 6.5Mbps 20MBW)-INTERNAL Antenna
	Mode 8: Transmitter (802.11n MCS8 13Mbps 40MBW)-INTERNAL Antenna