

## Operation Description

The EUT is a Wireless Wi-Fi adapter with 11 channels(802.11b, g, n (20MHz)) or 7 channels(802.11n (40MHz)). This device provides four kinds of transmitting speed 1, 2, 5.5 and 11Mbps, the modulation of device is BPSK, QPSK and CCK (IEEE 802.11b) and eight kinds of transmitting speed 6, 9, 12, 18, 24, 36, 48 and 54Mbps are provided, the technology of this device used is OFDM (IEEE 802.11g),108,130,270Mbps(IEEE 802.11N).The device adapts direct sequence spread spectrum modulation. This Wireless Wi-Fi module, compliant with IEEE 802.11b and IEEE 802.11g/n, 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 Wireless Wi-Fi module 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/n network.

The IEEE 802.11n is Multiple In Multiple Out (MIMO) Technology, and two antennas to support 2(Transmit) \* 2(Receive) MIMO technology.