

## 1.2. Operational Description

The EUT is an Wireless ADSL2/2+ Ethernet Router with a built-in 2.4GHz transceiver. There are 11 channels in 2412 – 2462MHz. The channels are separated by 5MHz. This device supports the data rates of 1, 2, 5.5, 11Mbps in 802.11b mode and 6, 9, 12, 18, 24, 36, 48, 54Mbps in 802.11g mode. The signals are modulated by DSSS in 802.11b mode and OFDM in 802.11g mode. The antenna is dipole.

This Wireless ADSL2/2+ Ethernet Router, complied with IEEE 802.11b and IEEE 802.11g, is a high-efficiency Wireless ADSL router. It allows computers connecting to wired networks and Internet wirelessly and sharing network resources, such as files or printers. 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.