1.2.   Operational Description

EUT is a Wireless to Serial Module with a built-in 2.4GHz and 5GHz transceiver. There are 11 channels in 2412 – 2462MHz, 4 channels in 5180 – 5240MHz and 4 channels in 5745-5805MHz.

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 antennas are Connector and use diversity to improve the receiving sensitivity.

This Wireless to Serial Module, complied 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 network wires. Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b+g and IEEE 802.11a network.