

Description of Operation

EUT is a [IEEE 802.11g 54Mbps Wireless Router](#) with 11 channels. This device provided four kind of transmitting speed 1,2,5.5 and 11Mbps. The device of RF carrier is DQPSK,DB PSK and CCK.

The device adapts direct sequence spread spectrum modulation. The Connector antenna was scolded on PCB provided diversity function to improve the receiving function.

This [IEEE 802.11g 54Mbps Wireless Router](#) is an IEEE 802.11b 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 \(D.S.S.S\) or Orthogonal Frequency division Multiplex \(O.F.D.M\)](#) radio transmission,

the [IEEE 802.11g 54Mbps Wireless Router](#) transfers data at speeds up to 64/128-bit

Wired Equivalent Protection(WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any [802.11b/g](#) network.