

Operation Description

The EUT is 10/100Mbps Router with built in wireless module. Four kind of transmission speed were provide by this RF module. Direct sequence spread spectrum modulation was adopted by this module. Two dipole antenna provide diversity function to improve the receiving function of module. Data can be transmitted by the radio signal connect to Internet or local network.

The operational condition is as below:

Standard: IEEE 802.11b, Direct Sequence Spread Spectrum (DSSS)

Spreading code (chip): 11bits

Transmission Rate: 11 Mbps, with fallback to 5, 2 or 1 Mbps

Maximum Channels: US/Canada: 11

Frequency: US/Canada/ETSI: 2.400-2.4835 GHz,

Sensitivity: 1, 2, 5.5 Mbps: -80 dBm; 11 Mbps: -76 dBm typical

Modulation: CCK, BPSK, QPSK