Description of Operation

The EUT is a **3T3R Wireless-N Dual Band Gigabit Router** with **IEEE 802.11b/g/n (2T2R) of 2.4G , IEEE 802.11a/n(3T3R) of 5G** .

And this device provided of transmitting speed:

2.4G
IEEE 802.11b：11, 5.5, 2, 1 Mbps
IEEE 802.11g：54, 48 ,36, 24, 18, 12, 9, 6 Mbps
IEEE 802.11n HT20 : 130 , 117 , 104 , 78 , 65 , 58.5 , 52 , 39 , 26 , 19.5 , 13 , 6.5 Mbps
IEEE 802.11n HT40 : 300 , 270 , 243 , 216 , 162 , 150 , 135 , 121.5 , 108 , 81 , 54 , 40.5 , 27 , 13.5 Mbps

5G
IEEE 802.11a : 54, 48 ,36, 24, 18, 12, 9, 6 Mbps
IEEE 802.11n HT20 : 195 , 175.5 , 156 , 130 , 117 , 104 , 78 , 65 , 58.5 , 52 , 39 , 26 , 19.5 , 13 , 6.5 Mbps
IEEE 802.11n HT40 : 450 , 405 , 364.5 , 324 , 300 , 270 , 243 , 216 , 162 , 150 , 135 , 121.5 , 108 , 81 , 54 , 40.5 , 27 , 13.5 Mbps

the device of RF carrier is **CCK, DQPSK, DBPSK, 64QAM, 16QAM, QPSK and BPSK**.

The device adapts **DSSS** and **OFDM** modulation. And the antenna was **three Dipole Antennas**

and provided diversity function to improve the receiving function. 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.

And this EUT Operation in 2.4GHz **Direct Sequence Spread Spectrum (D.S.S.S) and Orthogonal Frequency division Multiplex (O.F.D.M)** , 5GHz **Orthogonal Frequency division Multiplex (O.F.D.M)** radio transmission.

In addition, its standard compliance ensures that it can communicate with any **802.11a/b/g/n** network.