

## Description of Operation

The EUT is a Wireless 11n 150Mbps 3G Broadband Router with IEEE 802.11b/g/n.

And this device provided of transmitting speed:

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 : 65, 58.5, 52, 39, 26, 19.5, 13, 6.5 Mbps

IEEE 802.11n HT40 : 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 a Dipole antenna 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) radio transmission.

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

<b>Frequency Range</b>	IEEE 802.11b/g, 802.11n HT20 (DTS Band):2412MHz~2462MHz IEEE 802.11n HT40 (DTS Band):2422MHz~2452MHz
<b>Channel Spacing</b>	IEEE 802.11b/g, 802.11n HT20/HT40: 5MHz
<b>Channel Number</b>	IEEE 802.11b/g, 802.11n HT20:11 Channels IEEE 802.11n HT40 :7 Channels

The ANT 0 is 1TX1RX , and ANT 1 is 1RX (just for option).  
ANT 1 is not used for this application.