1.2. Operational Description

The EUT is an Eee PC with 11 channels. The modulation of device is BPSK, QPSK 16QAM, 64QAM and CCK, transmitting speed 1, 2, 5.5, 11 for 802.11b, 6, 9, 12, 18, 24, 36, 48 and 54Mbps for 802.11g, 6.5, 13, 19.5, 26, 39, 52, 58.5, 65 for 802.11n(20MHz Bandwidth), 13.5, 27, 40.5, 54, 81, 108, 121.5, 135 for 802.11n(40MHz Bandwidth). The technology of this device used is OFDM.

The device adapts direct sequence spread spectrum modulation. The antenna provides diversity function to improve the receiving function.

This Eee PC, compliant with IEEE 802.11b, IEEE 802.11g and IEEE 802.11n, 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 being bound to the network wires. Operation in 2.4GHz Direst Sequence Spread Spectrum (DSSS) radio transmission, the Eee PC Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b, IEEE 802.11g and IEEE 802.11n network.