Operational Description

The transmitter of the EUT is powered by power adapter and connected with managing computer through RJ45 port. If setting up multiple computers, up to three simultaneous connections can be supported using a hub. More than three computers will require either the use of a router or the setting up of a PPTP connection. An established network can be plugged directly into a router. In all cases, computers connecting using digital path must have their MTU settings changed. The antenna used in this product is Omni-directional antenna with MCX antenna connector. Under normal use condition, the user has to keep at least 20cm separation distance between radiator and the body of the user.

The other instruction, please have a look at the users manual.

DSSS Information

This device is Direct Sequence Spread Spectrum, the data is mixed by pseudorandom code which is an orthogonal code. The mixed data is digital modulated by BPSK and QPSK technique depends on the data rates.

The CCK coding is applied for increasing the data rate, and also the processing gain will be increased. The bit rates are 1,2,5.5,11Mbps, the symbol rates are 1,1,1.375,1.375Mbps, the chip rates are always 11Mbps.

So, the Chip/symbol is 11,11,8 and 8 respectively. Although is higher bit rate, the processing gain is lower than 10, but the CCK coding used in higher bit rate will provide 2.2dB coding gain.