

Operational Description

The transmitter of the EUT (2.4GHz Wireless Cardbus Adapter) is powered by host equipment. The antenna is Patch antenna, and there is no antenna connector.

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. The bit rates are 1,2,5.5,11,22Mbps, the symbol rates are 1,1,1.375,1.375,1.375 Mbps, the chip rates are always 11Mbps.

So, the Chip/symbol is 11,11,8,8,and16 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.