



Operational Description

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 2.5dB coding gain.

The transmitter of the EUT is powered by adapter and battery. The antenna used in this product is Chip antenna without antenna connector. The other instruction, please have a look at the users manual.

GFSK Information

The transmitter of the EUT (Hand-held Micro-computer) is powered by adapter and battery. The antenna is PCB antenna without antenna connector.

For more detailed instruction, please take a look at the user's manual.

This device is a Frequency Hopping device with 79 hopping frequencies.