Abstract

Spread spectrum technology has become the technology for commercial systems operating in both the licensed as well as in the unlicensed spectrum. "Double-length" one hit FH pattern for dual media services provides the needs of multi users and capable of providing better services in a systems. Multiuser detectors can be employed to improve the performances. FHSS transmits the data packet on one frequency and rapidly hops to other possible frequencies to transmit the next packet. The performance of FH-SS is analyzed in AWGN channel. Prime codes are so considered as the best among the other methods. This proposes system is used to increasing the QoS, decreasing the BER and also controlling the mutual interference. The expected result shows that the performance of Prime codes over fading channels are analyses by double-length one hit FH pattern.

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Index Terms

Computer Science

Signal Processing

Keywords
Performance Analysis of Spread Spectrum with Prime Codes in a Wireless System Over a fading Channel

- Frequency Hopped Spread Spectrum (fh-ss)
- Prime Code
- Galois Field
- Ber (bit Error Rate)