Abstract

Digital modulation techniques are used when the information signal is digital and the information signal is modulated by the amplitude, phase, or frequency of a carrier. Various digital modulation techniques are used for various signal transmission. All these techniques provide versatility to the transmission medium and recognizing these modulation schemes is quite useful for the military and COMINT applications. All digital modulation methods are based on some statistical parameters. Various recognition algorithms have been developed and still developing. The recognition algorithms are divided into two major groups maximum likelihood approach (MLA) and pattern recognition approach (PRA). Aim of this paper to describe different techniques of modulation recognition in brief along with various key features involve in these techniques, including all consideration of transmitter and receiver.

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Various Approaches of Recognition of Digitally Modulated Signals

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Index Terms

Computer Science  Communications

Keywords

Ask  Psk  Sdr  Comint  Modulation Recognition