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## Abstract

In multiuser environments, multi access interference (MAI) is occurred in UWB System. To overcome above problems Multiuser Detection Schemes (MUD) are used in wireless UWB System. Channel coding is another technique to reduce the multiuser access interference (MAI). One such code is LDPC codes for robust image transmission. Proposed system employs channel coding(LDPC Codes) with MUD schemes over UWB channel with TH PPM modulation in order to reduce multi access interference and leads to capacity increase for Bio-medical image transmission which is used Telemedicine application. Telemedicine provides medical information and services using telecommunication technologies. It includes systems for remote clinical case and consultation through the use of electronic imaging equipment. This paper presents BER performance of UWB system and capacity using LDPC code over TH-PPM UWB system with MUD schemes for data/ image transmission.

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