Abstract

The Multiple-Input Multiple-Output (MIMO) – Orthogonal Frequency Division Multiplexing (OFDM) technology significantly provides high transmission rate and robustness against multi-path fading and other channel impairments. Mostly, MIMO-OFDM system is analyzed only in presence of additive white Gaussian noise (AWGN) only, but in practice, in many actual wireless environments impulsive characteristics are present. In this paper, the performance of various MIMO detectors is analyzed and compared in presence of both AWGN and impulse noise for different modulations and different antenna configurations of MIMO system.

References

Performance Comparison of Various MIMO Detectors in Presence of Gaussian and Non-Gaussian Noise


Index Terms

Computer Science
Software Engineering

Keywords

MIMO  OFDM  MIMO Detectors  AWGN