Abstract

Modern wireless communication system is getting better for the new generation of data communication technology, because it have to facilitates the user to communicate and share information through various wirelessly connected devices in moving. The research works are delicately exploring new dimensions of the technology and fixing the bugs day by day. The every researchers aim to explore new techniques and analyze the existing technologies to make technology easier for the subscribers having several features. In the same context this work also analyzing for estimation of channel with utilizing pilot assisted scheme and spatial diversity using different number of antennas at the transmitter and receiver side to make system more efficient for random channel behavior. The methodology of this work having better error probability than the existing work done on the same context. The proposed system utilizes multi antenna diversity for 4xM and 2xM, configurations where M is number of receiver antennas and modulation scheme is 32-PSK.

Index Terms
Keywords

Pilot Assisted, Spatial Diversity, 32-PSK, MIMO.