

Wireless MIMO channel capacity analysis based on multiple spatial diversity for indoor propagation

Abstract

Channel capacity is one of the important ways to analyze the performance of wireless communications system. This paper will examine the channel capacity of Multiple-Input Multiple-Output (MIMO) system based on spatial diversity. We investigate the channel capacity for various distance and spacing of both transmitter and receiver antenna. The investigations of channel capacity are included with different distance between transmitter and receiver sides and different antenna spacing.