

Performance Analysis of Spatial Modulation- Orthogonal Space-Time Block Coding

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Abstract - Spatial modulation is a technique for transmission which uses multiple antennas. The fundamental strategy is used to map a block of information parts to a pair of information having units: 1) a symbol which was picked coming from a constellation diagram and 2) a unique transmit antenna number that was chosen from a set of transmit antennas. Here we apply SM to Orthogonal STBC transmission. Furthermore, we demonstrate that SM accomplishes much better overall performance in all researched channel conditions, in comparison with other techniques.

Keywords - Constellation diagram, SM, OSTBC.