

ABSTRACT

One of method that used for handle fading was using multi-antenna transmitter. For example at transmitter using multi-antenna for delivering same information. Information signal not identified each other so every signal from each antenna decoded with the different code. Codes that used were orthogonal codes. In delivery process, signal from each antenna, transmitted with same power. But for these occasion would decrease power, because that needed an antenna selection method. The selection that used based on information from receiver. Information that wanted was correlator output. Output from each correlator was defined a voltage level that compared each other. Result for this comparison was informed, and then used for delivered power adjustment for next delivering process.

From the simulation result founded that output correlator fluctuation percentage when receiver position exactly placed between two transmit antenna showed percentage that tend to equal was 50%. From that also founded that receiver position moved directly to one of antenna transmit, difference mean output was greater.

Key Word : Multi-Antenna Transmitter, Coding Method, Selection Method, Output Correlator Fluctuation

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