

ABSTRACT

MIMO system has been researched since 1990. This system can answer the challenge for wide transmission bandwidth necessity. Meanwhile, scientists have also researched for looking the best way to estimate the channel condition precisely similar to the real channel condition.

This report presents implementation of multi antenna system configuration that consists of 2 schemes. First scheme use conventional channel estimation and second scheme use valenti channel estimation.

From the simulation we got that valenti channel estimation method better than conventional channel estimation method based on pilot power and period.