ABSTRACT

DESIGN AND REALIZATION OF CDMA TRANSMITTER WITH TWO INPUT CHANNEL BPSK MODULATION BASED

By :

Dede Nugraha

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CDMA (Code Division Multiple Access) is a multiuser access technology in which each user uses a unique code contained in the access channel in the system. In this final task will be carried out performance testing of CDMA transmitter using BPSK modulation. To be able to test the performance of BPSK modulation against disturbances that may accur during signal transmission take place. The steps performaned on the test BPSK modulation includes a data input process, the process of summation, and delivery proces through the air.

The methode used to examine the work of BPSK modulation is to calculate the probability of error, stability, and speed of data that occurs in the process of modulation and compare it with the initial input data that is sent.