DESIGN AND CONSTRUCTION OF FM TRANSMITTER

BY

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IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF BACHELOR OF ENGINEERING (B. ENG) DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING

Declaration

I sincerely declare that project work was completely carried out by me under the supervision of Mr. Abraham Usman of Electrical/Computer Engineering Department, Federal University of Technology, Minna.

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(Student's name)

29/11/07
DEDICATION

This project work is dedicated to Maolana Baba Ibrahim Inyass (God's favor) for his blessings over the years manifested through my spiritual fathers Sheikh Yakub and Sheikh Abdulkadir Bida and my holy mother Hajiya fatimat Hammam and father Alhaji mahmud Baba Komba.
CERTIFICATION

This is to certify that this project title Design and Construction of Frequency Modulation (FM) Transmitter was carried out by Komba Umaru Abdullahi under the supervision of Mr. Abraham Usman and submitted to Electrical and Computer Engineering Department, Federal University of Technology, Minna, in partial fulfillment of the requirements for the award of Bachelor of Engineering (B.Eng) Degree in Electrical and Computer Engineering.

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ACKNOWLEDGEMENT

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ABSTRACT

Due to rapid advancement of science and technology, communication system has attained its fastest growing field in terms of its vast application. One mode of information transmission is through Frequency Modulation (FM) techniques. An FM transmitter was designed and constructed. The transmitting frequency was tested to be 100MHz which conform to the design except that due to mixing effect of the transmitter mixer, image frequencies of transmitting are likely to occur with the factor of ±10.
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