



Ain Shams University

Faculty of Engineering

Electronics and Communications Engineering Department

DEVELOPMENT OF DECOUPLED MIMO ANTENNAS FOR LTE

A Thesis

Submitted in partial fulfillment for the requirements of the degree of Master of Science in Electrical
Engineering

(Electronics and Communications Engineering)

Submitted By

Othman Fawzy Ahmed Mousa

B. Sc. Electronics & Communications Engineering

Supervised By

Prof. Dr. Abdelhalim Zekry

Electronics and Communications Engineering Department,
Faculty of Engineering, Ain Shams University

Prof. Dr. Wagdy Refaat Anees

Electronics and Communications Engineering Department,
Faculty of Engineering, Ain Shams University

Dr. Reda Salama Ghoname

Microstrip Department,
Electronics Research Institute

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Ain Shams University
Faculty of Engineering
Electronics and Communications Engineering Department

Judgment Committee

Name: Othman Fawzy Ahmed Mousa
Thesis: Development of Decoupled MIMO Antennas for LTE
Degree: Master of Science in Electrical Engineering

Name, Title Affiliation

Signature

Date: / /



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Faculty of Engineering

Electronics and Communications Engineering Department

Statement

This thesis is submitted to Ain Shams University in partial fulfillment of the degree of Master of Science in Electrical Engineering (Electronics and Communications Engineering).

The work included in this thesis was carried out by the author at the laboratories of the microstrip department, electronics Research institute, National Research Center and microwave laboratory, faculty of engineering, ain shams university.

No part of this thesis has been submitted for a degree or qualification at any other university or institute.

Name : Othman Fawzy Ahmed Mousa

Signature :

Date :



Ain Shams University

Faculty of Engineering

Electronics and Communications Engineering Department

Curriculum Vitae

Name of the researcher : Othman Fawzy Ahmed Mousa

Date of Birth : 01/01/1985

Place of Birth : Egypt

Nationality : Egyptian

First University Degree : B.Sc in
Electronics and Communications Engineering
Thebes Higher Institute for Engineering

Certification Date : May 2007

Name : Othman Fawzy Ahmed Mousa

Signature :

Date :

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