



COLLEGE OF ENGINEERING & TECHNOLOGY

Department: Electronics and Communications Engineering, Cairo

Graduation Project Description Form

Project Title: Dual polarized dual band microstripe antenna for MIMO systems

Duration from mo/year ____ till mo/year ____

Project Supervisor(s): DR Atef Gohnem

Product Category

Algorithm ____ Hardware ____ Software ____

Standards:

Safety: UL, CE ____ IEEE ____ FCC ____ Other ____

Practical Realization Form

PCB ____ Firmware ____ Embedded CPU Kit (ARM, ..etc): ____

PC Software ____ Ready-made Package ____ DSP Kit ____ FPGA Kit ____

VLSI Schematics ____ VLSI Layout ____ VLSI Silicon (ASIC) ____

Language

VHDL/Verilog ____ Matlab ____ C/C++/Java ____

Productization

Finished Product Form: ____ Possible Commercialization ____

Amount of funds needed for buying components: ____

IEEE GOLD Made-In-Egypt/Engineering Day: ____

ITAC (ITIDA) or NTRA Funding Application: ____

Testing

Functional ____ Simulation ____ Parameters ____ Final Hardware ____ Other:

Lab Test Setup

EMC ____ Environmental ____ Microwave ____ Analog Lab ____ Other:

CAD Tools (*No unauthentic software is allowed*):

Elective Classes Required:



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Abstract

Reviewing the different techniques for Dual polarized antennas.

- Proposing a configuration.
- Design and adjustment.
- Computer simulation.
- Realization and measurement.

References and Links



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