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FINAL REPORT

FINAL YEAR ENGINEERING PROJECT 2002

Project Title : MICROWAVE HIGH PASS FILTER DESIGN
(4th Order Butterworth Response at a Cut-off
Frequency of 1.2 GHz using Microstrip Line)

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Second Supervisor : DR. KHEDR
Project Coordinator : DR. KHEDR





ABSTRACT

The following is a **final year project progress report** of the project entitled '**Microwave High Pass Filter Design**', which is offered by project supervisor, **Mr. Low Boon Tatt** to fulfill the course of Final Year Project done in Sedaya College (3 + 0 program with the **Northumbria University**). This report provides the algorithms design that has been formulated for the construction of a **4th order high pass filter** using **microstrip** and a method of **stub conversion for maximally-flat (Butterworth)** response with a **cut-off frequency of 1.2GHz**. While, a general knowledge and theory regarding microwave and microwave filter is in detailed, and a complete procedure of design methodology is also provided in this report. Besides, the simulated filter results in simulation software "**Microwave Office 2002**" is shown too.

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