

MICROWAVE BANDPASS FILTER AT DIGITAL APPLICATIONS

Thesis is presented in partial fulfillment of the Requirement for the Degree of
Bachelor of Electrical Engineering (Hons)
UNIVERSITI TEKNOLOGI MARA

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NIRNA FAIRUZATI BINTI JAMEHARI
2007121783
FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
40450 SHAH ALAM
SELANGOR, MALAYSIA

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ABSTRACT

This paper presents a microwave single layer combline bandpass filter structured with a co planar waveguide. It is designed to be operated at digital broadcasting frequency spectrum. This microstrip filter is designed and simulated using CST Microwave design software. When the specifications met, the circuit is fabricated on FR-4 substrate and measured using Vector Network Analyzer, VNA. The results are then compared and analyzed.

4.4 FABRICATION AND MEASUREMENT	44
4.4 RESULTS COMPARISON	47
CHAPTEI; - - ,<i> LU ION	
5.1 INTRODUCTION	48
5.2 CONCLUSION	49
5.3 FUTURE DEVELOPMENT	50
REFERENCES	51