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## Active Audio Filter

Jay R. Maple

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ACTIVE AUDIO FILTER  
SENIOR DESIGN REPORT

Submitted to  
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Electrical Engineering Technology Department

Prepared by  
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March 29, 1992

## TABLE OF CONTENTS

Section	Page
Abstract	i
1.0 Introduction	1
2.0 Statement of Problem	2
3.0 Solution	3
4.0 Design Process	4
5.0 Conclusion	8
6.0 References	9
Appendix A: Proposal	
Appendix B: CW Filter Schematics and Frequency Response Curves	
Appendix C: Single Side Band Schematics and Frequency Response Curves	
Appendix D: Notch Filter Schematic and Frequency Response Curve	
Appendix E: Block Diagram	
Appendix F: Senior Design Phase 1 Report	

## ABSRTACT

An audio filter can be a useful device when listening to Shortwave or Amateur Radio Broadcasts. In addition, an active audio filter is easy to use and inexpensive. I have designed such a filter for my senior design project.

My filter is effective at lessening interference with Morse Code reception, and somewhat effective in reducing interference on voice reception. Since commercial filters are not always available for simple Shortwave receivers, the active audio filter still offers advantages in spite of it's limited effectiveness when compared to more expense commercial crystal filters.