URN etd-0407109-183708-621
Author Chang-Yi Tsai
Author's Email Address No Public.
Statistics This thesis had been viewed 37 times. Download 0 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title DAB TUNER DESIGN AND IMPLEMENTATION
Date of Defense 0000-00-00
Page Count 54

Keyword
Digital Audio Broadcasting
TUNER

Abstract
The DAB (Digital Audio Broadcasting) technology was developed from the Ger-man's digital terrestrial brocasting project in 1980s. This is one kind of revolution technology for radio broadcasting after the AM and FM broadcasting systems were de-veloped. In recent years, the DAB technologies are getting mature and the DAB broad-casting system has been deployed in many countries. At present, there are not so many domestic manufactories invest in the DAB related products. However, the digitization of radio broadcasting is going on the trend. In this thesis, we devote to design and real-ize a tuner of the DAB receiver which can meet the Eureka-147 specification. This tuner will operate in the band of VHF-Band Ⅲ (174-240 MHz). Using the Hitachi RF receiv-ing chip (HD155080G) and integrating designed RC filter and the peripheral circuits, we implement the DAB tuner in the band of 174-240MHz. The function of the tuner has also been verified.
Advisory Committee Chao-Tang Yu - advisor

Files No Any Full Text File.
Date of Submission 2007-01-23