URN etd-0407109-183714-1104
Author Yu-Chen Chang
Author's Email Address No Public.
Statistics This thesis had been viewed 59 times. Download 24 times.
Department
Year 2006
Semester 2
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title Studies of dual-band and multi-band printedmonopole antenna for wireless communications
Date of Defense 0000-00-00
Page Count 42
Keyword
No Any Keyword Information.

Abstract
Novel designs of CPW-fed monopole antenna were proposed in this thesis. At first, we proposed a printed monopole antenna for broadband operation. Then, we investigate the effects of printed wide-band monopole antenna etched slits on the metal surface, the current distribution concentrate on the edge of the slits to suppress the undesired frequency-band. The considered operating bands include the WLAN band and WiMAX band. In this paper, we proposed the design methods for the band-reject function; several antenna designs capable of single-band rejected and dual-band rejected are also detailed investigated. The proposed antennas are suitable for the antenna using band-rejected method to suppress dispensable frequency-band to design multi-band antennas for WLAN/WiMAX operation.
Advisory Committee Wen-Shan Chen - advisor

Files etd-0407109-183714-1104-001.pdf

indicate access worldwide
Date of Submission 2007-07-23