URN etd-0407109-183701-65
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Statistics This thesis had been viewed 79 times. Download 35 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title The material analysis of the fabric antenna for UHF RFID applications
Date of Defense 0000-00-00
Page Count 66

Keyword
UHF
Fabric Antenna
Wear
RFID
Antenna

Abstract
We analyzed the fabric antenna maded of different kinds of electric materials for estimating whether the fabric antenna can be used in daily life. Portable, wireless products like cell phones、MP3 players、FM radio with external antenna and RFID products with internal antenna have a great effect upon the market. Then, we can use the electric antennas that embed clothes, hats, bags or wallets. The fabric antenna is supple, so it can replace the hard antenna as FR4 or PCB, and will be a great benefit to human beings.
The aim of this study is to choose the best material by collecting and analyzing the materials at frequency bands are 2.45GHz, UHF (860~930MHz) and FM broadcast. Furthermore, the best materials can be applied to radio frequency indemnification system (RFID) and measure effect. We are going to find out the feasible, widely using of fabric antenna.
Advisory Committee Wen-Shan Chen - advisor

Files etd-0407109-183701-65-001.pdf

indicate access worldwide
Date of Submission 2007-01-22