



DOWNLOAD 

Multiband Monopole and Microstrip Patch Antennas for GSM and DCS bands

By Giannakopoulos, Georgios

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A guidance to design Monopole (2D) and (3D) and Microstrip Patch Antennas by using Ansoft HFSS, without experience! | This book is mainly concerned with the design, construction and testing of a dual-band monopole microstrip patch antenna. A discussion of general antenna theory is included with some basic microstrip antenna theory for rectangular patches is introduced leading to formulas which are computed using the MAPLE computer algebra package. The design of compact monopoles, suitable for mobile phone use, is discussed with particular emphasis on dual-band monopoles. A suitable dual-band monopole is chosen to be analyzed in detail using the Ansoft High Frequency Structure Simulator (HFSS) package. The HFSS package is introduced and tested on a basic rectangular patch antenna to confirm well known results in the theory and literature. A dual-band monopole antenna is fabricated on a microstrip in the laboratory in both unwrapped form and wrapped form using the Proteus ARES package for automatic construction of the PCB boards. The multiband monopole and the microstrip patch antenna are tested in the laboratory of the University. The results are compared with the HFSS results and shown to be in general agreement with...



READ ONLINE
[3.88 MB]

Reviews

Thorough information! Its this type of great go through. It is amongst the most incredible publication i actually have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Germaine Welch

A very awesome pdf with perfect and lucid information. This is certainly for those who statte there had not been a worthy of looking at. Your daily life span will probably be convert as soon as you full looking at this book.

-- Dr. Marie Ebert