Article: Modified Cavity Model to Determine Resonant Frequency of Tunable Microstrip Ring Antenna

Cited in 2 publications:
Theoretical investigation of an air gap tuned superconducting triangular microstrip antenna
Ouarda Barkat
Theoretical study of superconducting annular ring microstrip antenna with several dielectric layers
Ouarda Barkat
2

Article: QUASI-static solutions of elliptical, cylindrical-coupled parallel coplanar waveguide, and coupled parallel coplanar waveguide with finite ground planes

Cited in 2 publications:
CAD models of losses for elliptical and circular cylindrical CPW on multilayered dielectric substrates
Payal Majumdar, A.K. Verma
CAD models of losses for semi-ellipsoidal and semi-circular cylindrical CPW
Payal Majumdar, A. K. Verma
6

Article: The effect of electromagnetic field stimulation on corticosteroids-inhibited intestinal wound healing

Cited in 6 publications:
Effects of multi-polar radiofrequency and pulsed electromagnetic field treatment in Koreans: Case series and survey study
Young Bok Lee, Young Sun Eun, Ji Hae Lee, Min Seok Cheon, Baik Kee Cho, Hyun Jeong Park
Light and electron microscope studies of the effects of 50Hz electromagnetic fields on preincubated chick embryo

S M. Shams Lahijani, Ebrahimi Nojooshi, S F. Siadat

Effects of Combined Pulse Electromagnetic Field Stimulation Plus Glutamine on the Healing of Colonic Anastomosis in Rats

Sadullah Girgin, Ercan Gedik, Hayrettin Ozurtk, Veysi Akpolat, Veysi Akbulut, Ebru Kale, Huseyin Buyukbayram, Salih Celik

Myocardial Protection Conferred by Electromagnetic Fields

A L DiCarlo, J M Farrell, T A Litovitz

The effect of electromagnetic field on undescended testis after orchiopexy

I Faruk Ozguner, Huseyin Dindar, Aydin Yagmurlu, Cagri Savas, I Haluk Gokcora, Selcuk Yucsesan

Light and Electron Microscope Studies of Effects of 50 Hz Electromagnetic Fields on Preincubated Chick Embryo

M Shams Lahijani, S Ebrahimi Nojooshi, S F Siadat

1

Article: Three-Dimensional Equivalent Focused Feed for an Offset Paraboloidal Reflector Antenna

Cited in 1 publication:

Numerical Solutions of the Integral Equation for Excitation-Transmission-Radiation in Aperture Antenna

Tao Qing, Zaiping Nie, Shiquan He, Xianzheng Zong, Haijing Zhou

8

Source

Available from: Mehmet Duyar

Article: Analyses of elliptical coplanar coupled waveguides and coplanar coupled waveguides with finite ground width

Cited in 8 publications:

Conductor loss calculation of elliptical, cylindrical coplanar waveguides and coplanar waveguides with finite conductor...
Mehmet Duyar, Volkan Akan, Erdem Yazgan, Mehmet Bayrak

Eliptik ve Silindirik Kesitli Kuplajlı Şerit İletim Hattı Analizi γ

Mehmet DUYAR, Volkan AKAN, Erdem YAZGAN, Mehmet BAYRAK, Selçuk Üniversitesi

Bazı Silindirik Eş-düzlemli Dalgakılavuzu Süreksizliklerinin RF/Mikrodalga Pasif Devre Elemanı olarak Tasarım ve Analizleri...

Volkan Akan, Mehmet Duyar, Erdem Yazgan, Mehmet Bayrak

New analytical input impedance calculation for fast design of printed narrow slot antenna

Volkan Akan, Erdem Yazgan

QUASI-static solutions of elliptical, cylindrical-coupled parallel coplanar waveguide, and coupled parallel coplanar waveguide...

Mehmet Duyar, Volkan Akan, Erdem Yazgan, Mehmet Bayrak

Designs and Analyses of Some RF/Microwave Passive Elements on Cylindrical Cpws

Volkan Akan, Mehmet Duyar, Erdem Yazgan, Mehmet Bayrak

Nonlinear Dispersive Modeling of Electron Devices Oriented to GaN Power Amplifier Design

Antonio Raffo, Valeria Vadala, Dominique M. M. -P. Schreurs, Giovanni Crupi, Gustavo Avolio, Alina Caddemi, Giorgio Vannini

Analysis and Synthesis of Double-Sided Parallel-Strip Transitions

Pedro Luis Carro, Jesus de Mingo

Conference Paper: Analysis of the relation between printed strip monopole and dielectric coated thin cylindrical monopole

Cited in 3 publications:

Simple analytical calculation approach for input impedance of printed monopole and dipole antennas on thin substrate

Volkan Akan, Erdem Yazgan

New analytical input impedance calculation for fast design of printed narrow slot antenna

Volkan Akan, Erdem Yazgan

Reduced-size UWB uniplanar tapered slot antennas without and with corrugations
Yifan Wang, Aslina Bakar, Marek Bialkowski

5

Source
Available from: Ozgur Ertug

Conference Paper: Compact space-multimode diversity stacked circular microstrip antenna array for 802.11n MIMO-OFDM WLANs
Cited in 5 publications:
Spectral and power efficiency of IEEE802.11n MIMO-OFDM WLAN systems using higher-order space-multimode diversity compact...
Asuman Yavanoglu, Ozgur Ertug
Pattern diversity compact patch antenna
M. S. Ruiz Palacios, M. J. Martinez Silva
Spectral and power efficiency of IEEE802.11n MIMO-OFDM WLAN systems using space-multimode-polarization diversity compact...
A. Yavanoğlu, Ö. Ertuç
Air substrate patch and monopole antennas in compact array for MIMO applications
M. S. Ruiz Palacios, M. J. Martinez Silva
On the capacity analysis of IEEE802.11n MIMO-OFDM WLAN systems using sub-optimal mimo detectors and compact...
Asuman Yavanoglu, Özgür Ertug

6

Conference Paper: UTD-based propagation model for the path loss characteristics of cellular mobile communications system
Cited in 6 publications:
A New Uniform Theory of Diffraction Based Model for Multiple Building Diffraction in the Presence of Trees
Ayaz Ghorbani, Ali Tajvidy, Emad Torabi, Reza Arablouei
Roof shape modelling for multiple diffraction loss in cellular mobile communication systems
Ali Kara, Erdem Yazgan

Analysis of the influence of building modelling in the prediction of over-rooftop multiple diffraction losses in urban areas

José-Victor Rodríguez, María-José García-Martínez, José-María Molina-García-Pardo, Leandro Juan-Llácer

An Improved Solution Expressed in Terms of UTD Coefficients for the Multiple-Building Diffraction of Plane Waves
J.-V. Rodriguez, J.-M. Molina-García-Pardo, Leandro Juan-Llácer

A Modified Diffraction Coefficient for Imperfect Conducting Wedges and Buildings With Finite Dimensions
E. Torabi, A. Ghorbani, A. Tajvidy

A new UTD-based model for multiple diffractions by buildings
R. Arablouei, A. Ghorbani

Source
Available from: Mehmet Duyar

Article: Designs and Analyses of Some RF/Microwave Passive Elements on Cylindrical Cpws
Cited in 2 publications:
3D Transformer Design by Through Silicon via Technology and its Application for Circuit Design
B. Zhang, Y.-Z. Xiong, L. Wang, S. Hu, L.-W. Li

CPW-fed PIFAS with a Capacitively Coupling Slot for Dual Wide-Band Operations
S.-M. Deng, C.-L. Tsai, C.-K. Yeh, S.-S. Bor

Article: Tunable resonance in a superstrate-loaded lossy circular disk microstrip structure
Cited in 1 publication:
Resonant Frequency of Air Gap Tuned Circular Microstrip Antenna with Anisotropic Substrate and Superstrate Layers
Article: Compensation of superstrate effects on the resonant behavior of the microstrip ring structure by using an air-gap control

Cited in 2 publications:
Resonance in Microstrip Ring Resonator with Uniaxially Anisotropic Substrate and Superstrate Layers
Ç. S. Gürel, E. Yazgan
The effects of uniaxially anisotropic superstrate shielding on the resonant characteristics of circular microstrip patch
C.S. Gurel, E. Yazgan

Source
Available from: Erdem Yazgan

Conference Paper: Bandwidth widening in an annular ring microstrip antennas with superstrate

Cited in 8 publications:
Modified Cavity Model to Determine Resonant Frequency of Tunable Microstrip Ring Antenna
Çiğdem Seçkin Gürel, Erdem Yazgan
Analysis of Annular Ring Microstrip Patch on Uniaxial Medium via Hankel Transform Domain Impittance Approach
Çigdem Seckin Gurel, Erdem Yazgan
Resonance in Microstrip Ring Resonator with Uniaxially Anisotropic Substrate and Superstrate Layers
Ç. S. Gürel, E. Yazgan
RESONANT FREQUENCY ANALYSIS OF ANNULAR RING MICROSTRIP PATCH ON UNIAXIAL MEDIUM VIA HANKEL...
S. Gurel, E. Yazgan
Wideband Cavity-backed Folded Dipole Superstrate Antenna for 60 GHz Applications
J. Grzyb, Duxian Liu, U. Pfeiffer, B. Gaucher
A chip-scale packaging technology for 60-GHz wireless chipsets
Ullrich R. Pfeiffer, Janusz Grzyb, Duixian Liu, Brian Gaucher, Troy Beukema, Brian A. Floyd, Scott K. Reynolds

Compensation of superstrate effects on the resonant behavior of the microstrip ring structure by using an air-gap control
C.S. Gurel, Erdem Yazgan

Broadband Planar Superstrate Antenna for Integrated Millimeterwave Transceivers
Thomas Zwick, Duixian Liu, Brian P. Gaucher

Chapter: Conformal Mapping Techniques

Cited in 1 publication:
Designs and Analyses of Some RF/Microwave Passive Elements on Cylindrical Cpw's
Volkan Akan, Mehmet Duyar, Erdem Yazgan, Mehmet Bayrak

Available from: Erdem Yazgan

Article: Quasistatic TEM characteristics of multilayer elliptical and cylindrical coplanar waveguides

Cited in 6 publications:
Conductor loss calculation of elliptical, cylindrical coplanar waveguides and coplanar waveguides with finite conductor...
Mehmet Duyar, Volkan Akan, Erdem Yazgan, Mehmet Bayrak

Bazı Silindirik Eş-düzlemli Dalgakılavuzu Süreksizliklerinin RF/Mikrodalga Pasif Devre Elemanı olarak Tasarım ve Analizleri...
Volkan Akan, Mehmet Duyar, Erdem Yazgan, Mehmet Bayrak

QUASI-static solutions of elliptical, cylindrical-coupled parallel coplanar waveguide, and coupled parallel coplanar waveguide...
Mehmet Duyar, Volkan Akan, Erdem Yazgan, Mehmet Bayrak

Designs and Analyses of Some RF/Microwave Passive Elements on Cylindrical Cpw's
Volkan Akan, Mehmet Duyar, Erdem Yazgan, Mehmet Bayrak
Computational Electromagnetic Scattering Models for Microwave Remote Sensing

Kung-Hau Ding, Leung Tsang, Qin Li

Quasi-static solutions of multilayer elliptical, cylindrical coplanar striplines and multilayer coplanar striplines with finite dielectric...

Volkan Akan, Erdem Yazgan

1

**Article: A new method for the calculation of Fock scattering functions**

Cited in 1 publication:

Some Ramifications of Fock Theory and Its Impact on High-Frequency Scattering from Convex Surfaces

D. Chatterjee

1

**Article: Quasi-Static Analysis and Determination of Parameters of Open and Shielded Three-Layer Microstrip Lines**

Cited in 1 publication:

Possible relationship between Seismic Electric Signals (SES) lead time and earthquake stress drop

Elizabeth Dologlou

5

Source

Available from: Erdem Yazgan

**Article: Beam Steering Antenna Design for Low Altitude Radar Systems**

Cited in 5 publications:

Elliptic Cylinder Modeling of Obstacles for Low Altitude Radar Systems

E. Afacan, E. Yazgan

Genetic Algorithm Implementation for Array-Feed Parabolic Reflector

B. Saka
Pattern Nulling of Offset Parabolic Reflector with Array Feed
B. Saka, A. Selçuk

Non-Linear Modeling of Parabolic Reflector: Neural Network Approach
Atila Yilmaz, Birsen Saka

The M-DSO-ESPRIT method for maximum likelihood DoA estimation
Leonardo Lizzi, Federico Viani, Manuel Benedetti, Paolo Rocca, Andrea Massa

**Article: Elliptic Cylinder Modeling of Obstacles for Low Altitude Radar Systems**
Cited in 3 publications:
The Improvement in the Terrain Model for a Target Close to an Obstacle
Erdem Yazgan Erkan Afacan, Erdem Yazgan
A NEW ROOF MODEL ON RANDOMLY PLACED BUILDINGS IN MOBILE COMMUNICATION
Nilgun Altin, Erdem Yazgan
A new method for the calculation of Fock scattering functions
Erkan Afacan, Erdem Yazgan

**Article: The Effect of Surface Loading on the Radiation Pattern of a Spherical Reflector**
Cited in 2 publications:
Three-Dimensional Equivalent Focused Feed for an Offset Paraboloidal Reflector Antenna
ERDEM YAZGAN, GOKSEN TURGUT-SANSA
Effect of geometrical perturbation on the radiation pattern of parabolic reflector
Essam E Hassan, Hassan Ragheb

**Conference Paper: Thick film high power attenuator**
Cited in 2 publications:

EMBEDDED TEST CIRCUIT AND METHOD FOR RADIO FREQUENCY (RF) SYSTEMS-ON-A-CHIP (SOCS)
Jang-Sup Yoon
Embedded loopback test for RF ICs
J.-S. Yoon, William R. Eisenstadt

3

Article: Comparison of UTD and UAT in Axially Symmetric Reflectors
Cited in 3 publications:
Three-Dimensional Equivalent Focused Feed for an Offset Paraboloidal Reflector Antenna
ERDEM YAZGAN, GOKSEN TURGUT-SANSAL
A simple formulation of UTD for some reflector antennas
ERDEM YAZGAN
Radiation Pattern of an Offset Hyperbolic Reflector
Mehmet şafak

3

Article: The Radiation Pattern of a Surface Loaded Ellipsoidal Reflector
Cited in 3 publications:
The effect of loading Gregorian antennas on side-lobe levels
Erkan Afacan, Erdem Yazgan
Three-Dimensional Equivalent Focused Feed for an Offset Paraboloidal Reflector Antenna
ERDEM YAZGAN, GOKSEN TURGUT-SANSAL
Synthesis of resistive tapers to control scattering patterns of strips
Randy Larry. Haupt

1

Article: Augmentation of mucosal adaptation following small-bowel resection by electromagnetic field stimulation in rats
Cited in 1 publication:

The effect of electromagnetic field on undescended testis after orchiopexy
I Faruk Ozguner, Huseyin Dindar, Aydin Yagmurlu, Cagri Savas, I Haluk Gokcora, Selcuk Yucesan

Article: Reducing obstacles as cascaded ellipses
Cited in 3 publications:

The Improvement in the Terrain Model for a Target Close to an Obstacle
Erdem Yazgan Erkan Afacan, Erdem Yazgan

Beam Steering Antenna Design for Low Altitude Radar Systems
B. Saka, E. Afacan, E. Yazgan

A new method for the calculation of Fock scattering functions
Erkan Afacan, Erdem Yazgan

2

Article: Reflector antenna pattern improvement using optimized array feed
Cited in 2 publications:

Beam Steering Antenna Design for Low Altitude Radar Systems
B. Saka, E. Afacan, E. Yazgan

Pattern optimization of a reflector antenna with planar-array feeds and cluster feeds
B. Saka, E. Yazgan

1

Conference Paper: Irregular terrain modeling for the low altitude radar applications
Cited in 1 publication:
- Modeling obstacles as cascaded ellipses

  Erh Afacan, E. Yazgan

  2

**Article: Polarization Losses in Reflector Antennas**
Cited in 2 publications:

- On-axis cross-polarization discrimination of reflector antennas with random surface errors
  
  M. H. A. J. Herben

- Synthesis of far-field patterns of circular cylindrical arrays...
  
  M. S. Narasimhan, R. Srihari Rao

  3

**Conference Paper: Calculation of the Radiation Patterns of Axially Symmetric Reflectors**
Cited in 3 publications:

- A simple formulation of UTD for some reflector antennas
  
  ERDEM YAZGAN

- The Effect of Surface Loading on the Radiation Pattern of a Spherical Reflector
  
  E. Yazgan, H. Goksel
Higher Order Mode Cutoff Frequencies in TEM Cells Calculated with TLM Method

Zhang Jingjun, Fu Junmei