

INTERNATIONAL JOURNAL OF
MICROWAVE AND WIRELESS TECHNOLOGIES

CONTENTS

ANTENNA DESIGN, MODELLING AND MEASUREMENTS

T-type folded SIW-based leaky-wave antennas with wide scanning angle and low cross-polarization

Shixiao Xiao and Lianwu Yang 949

16-element CPW Series Fed Millimeter-wave Hexagonal Array Antenna for 5G Femtocell Applications

Harini V, Sairam M. V. S. and Madhu R. 955

Multiband antenna design based on Gosper fractal for implantable biomedical devices

Rajeev Kumar, Surinder Singh and Ajay pal Singh Chauhan 970

Compact dual-band millimeter-wave antenna for 5G WLAN

Melvin Chamakalayil Jose, Sankararajan Radha, Balakrishnapillai Suseela Sreeja, Mohammed Gulam Nabi Alsath and Pratap Kumar 981

A compact ultra-wideband square and circular slot ground plane planar antenna with a modified circular patch

Manohar Golait, Manish Varun Yadav, Balasaheb H. Patil, Sudeep Baudha and Lokesh Kumar Bramhane 989

A compact CPW-fed monopole antenna for multi-band application

YunYan Zhou, NianShun Zhao, RenXia Ning and Jie Bao 995

Gradient-based optimization method for interference suppression of linear arrays by the amplitude-only and phase-only control

Renjing Gao, Yi Tang, Qi Wang and Shutian Liu 1002

A low-profile circularly polarized microstrip antenna using elliptical electromagnetic band gap structure

Shilpee Patil, Alka Verma, Anil Kumar Singh, Binod Kumar Kanaujia and Suresh Kumar 1009

Dual-band-notched UWB MIMO antennas with miniaturization using half-cutting technology

Zhonghong Du, Xiaohui Zhang, Peiyu Qin, Yanning Yuan, Jiangfan Liu and Xiaoli Xi 1019

Untilted edge slot antennas excited by T-shaped wires

Mahdi Moradian 1027

A simple and effective broadband decoupling structure for UWB-MIMO antenna

Huiqing Zhai, Kunming Zhang, Yu Huo and Chaozong Guo 1039

PASSIVE COMPONENTS AND CIRCUITS

Robustness study of bandpass NGD behavior of ring-stub microstrip circuit under temperature variation

Hongyu Du, Fayu Wan, Sébastien Lalléchère, Wenceslas Rahajandraibe and Blaise Ravelo 1045

RADAR

Multi-user transmission for the joint radar communication systems based on amplitude phase shift keying modulation and waveform diversity

Abdulmuneem Alselwi, Adnan Umar Khan, Ijaz Mansoor Qureshi, Wasim Khan and Abdul Basit 1054

METAMATERIALS AND PHOTONIC BANDGAP STRUCTURES

A wideband and directive metasurface FPC antenna with toroidal metal structure loading

Parul Dawar and Mahmoud A. Abdalla 1069

WIRELESS POWER TRANSFER AND ENERGY HARVESTING

Design and development of optically transparent rectenna for RF energy harvesting applications

Potti Devisowjanya, Mohammed Gulam Nabi Alsath, Savarimuthu Kirubaveni and G. Sudhilaya 1081