

INTERNATIONAL JOURNAL OF

MICROWAVE AND WIRELESS TECHNOLOGIES**CONTENTS****INDUSTRIAL AND ENGINEERING PAPER****A Q/Ku-K band MMIC double-balanced subharmonic diode ring mixer for satellite communications in GaAs pHEMT technology**

David Resca, Rafael Cignani, Corrado Florian and Francesco Scappaviva

107

RESEARCH PAPERS**Ultra-wideband (UWB) eight-way ring-cavity power divider**

Shunyong Hu, Kajun Song and Yong Fan

115

Compact quad-band bandpass filter based on uniform impedance stub-loaded resonators

Siang-Wen Lan, Min-Hang Weng, Chang-Sin Ye and Cheng-Yuan Hung

121

A miniature fractal-based dual-mode dual-band microstrip bandpass filter design

Mushtaq Alqaisy, Chandan Chakrabarty, Jawad Ali and Adam R.H. Alhawari

127

U-band finline bandstop filter with dual-mode resonator

Y. Yang, Y.H. Zhang, Y. Fan and Y.X. Li

135

Low-pass filter with deep and wide stop band and controllable rejection bandwidth

Dusan A. Nesic, Branko M. Kolundzija, Dejan V. Tošić and Dario S. Jeremic

141

Synthesis of hexagonal planar array using swarm-based optimization algorithms

Anirban Chatterjee and Debasis Mandal

151

Design of non-uniform concentric circular antenna arrays with optimal sidelobe level reduction using biogeography-based optimization

Nihad Dib and Ashraf Sharqa

161

High isolation and compact MIMO antenna system with defected shorting wall

Xi-Wang Dai, Long Li, Zhen-Ye Wang and Chang-Hong Liang

167

A SPICE model of an antenna for transmitting

Xiang Gao and Zhengwei Du

173

Annular ring microstrip patch antenna with finite ground plane for ultra-wideband applications

Sanyog Rawat and Kamalesh Kumar Sharma

179

Low SAR reconfigurable multiband planar inverted-F antenna for wireless communication applications

Ahmed M. Soliman, Dalia M. Elsheikh and Esmat A. Abdallah

185

Variable Z_0 antenna technology: a new approach for IoT wireless

Richard A. Formato

195

Design of L-plate proximity fed base station antenna element

Mustafa Murat Bilgiç and Korkut Yeğin

205