

TABLE OF CONTENTS

Volume 1 Number 3

December 2013

**Influence of Mutual Coupling and Current Distribution Errors on
Advanced Phased Antenna Array Nulling Synthesis**

O. G. Vendik, D. S. Kozlov, M. D. Parnes, A. I. Zadorozhnyy, S. A. Kalinin.....35

FDTD Analysis of Millimeter Wave Binary Photon Sieve Fresnel Zone Plate

I. V. Minin, O. V. Minin.....44

Dielectric Loading on Multi-Band Behaviors of Pentagonal Fractal Patch Antennas

R. K. Yadav, J. Kishor, R. L. Yadava.....49