Abstract

There are needs of wireless communication systems in modern society. The required systems should have wider bandwidth, low profile multiband and several applications. The researchers have initiated research in number of directions. New approaches and recent researches can be made for the study of fractal shaped antenna elements. Traditional antennas operate at single or dual frequency bands and different antenna is required for different applications. In this paper, the Sierpinski's carpet microstrip fractal antenna is considered. The behaviour of Sierpinski's antenna related to the design procedure, numerical simulation using methods of moments, importance of IE3D software to simulate this antenna are investigated.

References


Index Terms

Computer Science  Wireless

Keywords

3rd iteration, simulated frequency, Sierpinski’s antenna, frequencyband, return loss, FR4, Silicon, Duroid 6006.