Abstract

This paper presents the comparison of two different fractal antennas. Both the antennas are designed by using FR4 glass epoxy substrate with relative permittivity of 4.4 and 1.6mm thickness. The different parameters such as return loss, VSWR, gain and bandwidth of existing antenna (multi-fractal antenna) are compared with designed antenna (star shaped fractal antenna) which shows that the designed antenna have more better results as compared with the existing antenna. The designed antenna was simulated by using HFSS V13 software and the antenna can be used for different wireless applications such as WLAN, satellite communication, long distance radar telecommunication etc.

References


**Index Terms**

Computer Science Wireless

**Keywords**

HFSS, VSWR, Multi-fractal.