Koch Fractal Loop Antenna using Modified Ground

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Abstract

In the present paper a Koch fractal loop antenna is described using modified ground techniques for the multiband applications. A Koch fractal loop antenna is printed on dielectric substrate. The return loss value at each multiple resonating frequencies have been studied and improved for higher iterations of the Koch fractal loop antenna with the use of modified ground feed techniques. Theses antennas have been modeled and simulated using CST microwave studio.
software. The results of the simulations have been shown and compared for every iteration of Koch fractal loop antenna.

References


Index Terms

Computer Science

Antennas

Keywords

Fractal Antenna  Koch Fractal Loop  Multiband Antenna  Antenna Design.