Abstract

A spiraled planar inverted-F Antenna (PIFA) for Multiband frequencies of 2.65 GHz, 4.10GHz and 5.85GHz for wireless local area network (WLAN) applications proposed in this paper. Simulation tool based on the method of moments (IE3D) has been used to analyse and optimize the antenna. The proposed antenna possesses the properties of good performance, compact size (about 50% of a typical PIFA), low profile, and low cost. Hence, it is suitable for combo WLAN system.

References

- V. Stoiljkovic and G. Wilson, "A small planar inverted-F antenna with parasitic element for WLAN applications," in Proc. 10th Int. Conf. on Antennas and Propagation,
Implementation of Spiraled Planar Inverted–F Antenna for Multiband Applications


**Index Terms**

Computer Science

Wireless Communications

**Keywords**

Multiband Antennas  Planar Inverted-f Antenna (pifa)  Spiraled Pifa