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.
Index Terms

Computer Science  Wireless Communications

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