Abstract

In this Paper is Present of Dual-band antenna with a compact radiator for 2.4/5.2/5.8 proposed by optimizing its resonant frequency, Bandwidth of operation and radiation frequency using genetic algorithm. The antenna consists L-shaped and E-shaped radiating element to generate two resonant mode for dual band operation. The above techniques have been successfully used in many applications on communication. Dual band antenna with compact radiator for 2.4/5.2/5.8 GHz WLAN application design and radiator size only width 8mm and length is 11.3 mm [1]. The antenna can we used for various application in field of communication. Genetic algorithm will be used to design the antenna and impedance matching network.

References


**Index Terms**

Computer Science  Wireless

**Keywords**
Genetic Algorithm, Dual band E and L, WLAN