Abstract

A CPW-fed antenna with a semicircle placed on two rectangular patches for WLAN application and this antenna satisfies the frequency band (5.15 to 5.95 GHz) having return loss lower than -10 dB. A novel broadband design of a coplanar waveguide fed square slot antenna loaded with conducting strips is proposed and experimentally studied. A design of triangular wide slot antenna with same shaped patch which is fed by CPW and in this antenna patch is working as a radiating element and wide slot working as a ground. A wideband E-shaped microstrip patch antenna has been designed for high-speed wireless local area networks (IEEE 802.11a standard) and other wireless communication systems covering the 5.15–5.825 GHz frequency band. A dual band coplanar waveguide (CPW)-fed planar monopole antenna suitable for WLAN application is been presented. A CPW-fed antenna with a triangle placed on a rectangular patch with two semi circles placed on either sides for WLAN application and this Antenna satisfies the licensed frequency band (5.15 to 5.95 GHz) having return loss lower than –10 dB.
References

1. Antenna Theory, Analysis and Design by Constantine A. Balanis

Index Terms

Computer Science Wireless

Keywords

Microstrip Antennas, Microstrip Patch Antennas, Wireless Communications