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