Abstract

A compact microstrip patch antenna became a very useful in communication systems. Properties such as compactness, light weight, high bandwidth make it a good candidate of communication system. This paper reviews the performance analysis of bandwidth enhancement of a monopole patch antenna with V-shaped slot for car-to-car and WLAN communications (2016), omnidirectional wideband E-shaped cylindrical patch antennas (2016), design of wideband/dual-band E-shaped patch antennas with the transmission line mode theory (2016), patch size reduction of rectangular microstrip antennas by means of a cuboid ridge (2015) and microstrip rectangular patch antenna for S and X Band Applications (2016). The paper also discusses the technology used in order to bring the required changes in terms of improved performance characteristics.

References


Index Terms

Computer Science

Communications

Keywords

WLAN (Wireless local area network), Micro strip antenna, Monopole antenna, Dual band antenna, RMPA (Rectangular micro strip patch antenna), cylindrically conformal antenna array, omnidirectional antennas, wide-band antennas, wideband, wireless, car to car communication (C2C), E-shaped patch antenna (ESPA).