Abstract

A planar circular patch monopole ultra-wideband (UWB) antenna is proposed for UWB communication applications. The desired band is realized by cutting of a T and I slot on a circular patch. The roles of various design parameters like S-parameters, current distribution and radiation pattern are studied. The proposed antenna has impedance bandwidth range from 4.6 GHz to 11.7 GHz and suitable for UWB applications.

Index Terms

Computer Science

Communications

Keywords

CPW feed    UWB