Abstract

In this paper analysis has been carried out for a circular microstrip patch antenna and software based design using three different shapes of substrate. Three individual antennas are designed and compared. A circular patch where radius 8. 58 mm and thickness 0. 02 mm put on three different substrate shapes like square, rectangular and circular. This type of design uses Roger RT/Duriod 5880 substrate material based on HFSSTM EM Simulator Software. The results of three antennas are compared in terms of return loss, VSWR and return loss bandwidth at particular frequency.
Analysis of Circular Microstrip Patch Antenna using Three Different Shapes of Substrate

References


Index Terms

Computer Science
Networking

Keywords
Circular Microstrip Antennas  Return Loss  Vswr