Abstract

The paper presented here is dealing with the design of compact patch antenna array using defective ground structure (DGS) on feed line. The array of 1:2 patch antenna with microstrip line feeding technique is proposed. A systematic approach has been taken to design the antenna array using defective ground structure on the feed line to achieve the return loss up to -56dB. The designed antenna is suitable for WIMAX application.

References


Compact Patch Antenna Array using Defective Ground Structure on Feedline


Index Terms

Computer Science                  Circuits and Systems

Keywords

Antenna array, Defective ground structure, IE3D simulation, Microstrip patch antenna.