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


**Index Terms**

Computer Science  
Circuits and Systems

**Keywords**

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