Abstract

In this work we have design of a microstrip patch antenna with partial ground plane excited by microstrip feed line, for, it we studied the effect of width of the ground plane, as well as the position of the feed line on the bandwidth of the antenna,

After that, we presented the parameters of the antenna as, the return loss, input impedance, VSWR, the radiation pattern, and the gain.

This work has been designed using the two simulators electromagnetic HFSS and CST

Key words: microstrip antenna, partial ground plane, wideband.