Abstract

A novel 24 GHz Microstrip Patch antenna that provides 2 GHz bandwidth is proposed and designed. The antenna has simple configuration, light weight and low profile. The proposed antenna can be easily fed by using 50 Ω microstrip line and provide maximum directivity of 5.5 dB. A special type of substrate RT/Duroid is used to produce 24 GHz resonance frequency. Bandwidth can be increased by increasing height of the substrate. The antenna supports UWB
Analysis and Simulation of Wide band 24 GHz Planar Microstrip Monopole Antenna

applicatons.

References

- RT/duroid® 5870 /5880 High Frequency Laminates from Rogers Corporation

Index Terms

Computer Science

Wireless

Keywords
24 Ghz  Uwb  Rt/duroid.