

عنوان مقاله:

A Novel Compact Microstrip-Fed Planar Monopole Antenna for Ultra Wideband Applications

محل انتشار:

کنفرانس بین المللی یافته های نوین پژوهشی در مهندسی برق و علوم کامپیوتر (سال: 1394)

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خلاصه مقاله:

In this paper a microstrip-fed planar monopole antenna has been proposed for wideband applications. The proposed antenna is fabricated onto an inexpensive FR4 substrate with an overall dimension of 18×16 mm². Simulation is performed by using the CST Microwave Studio software. the results show that the antenna achieved an UWB impedance bandwidth ($S_{11} < -10$ dB) ranges from 5.54 GHz to 39.34 GHz (160.95%). Antenna performance parameter such as return loss, voltage standing wave ratio (VSWR), gain, directivity and radiation patterns of proposed antenna .have been analyzed

کلمات کلیدی:

Monopole Antenna, Microstrip Antenna, Ultra Wideband (UWB), Partial Ground Plane

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