Abstract

Previously it was shown that multiple bands Microstrip patch antenna can be designed using aperture coupled stacked configuration, L-probe fed patches, M-probe fed patches, and coax fed stacked patches. In all above techniques it creates complexity to design and complicated feed or more than one patch. In this paper broadband patch antenna using single u-slot is simulated and broadband operation is achieved and then additional u-shaped slots is introduced to create the additional notch frequency which turn into multiple band patch antenna. Advantage of such configuration that the complexity is reduced, simple feed and single patch is used. Simulation results are presented to demonstrate the practicability of this design.

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