

239. DESIGN OF MULTIBAND LINEAR ANTENNA FOR WIRELESS APPLICATIONS

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In remote correspondence frameworks, multiband reception apparatus has been assuming an essential part for remote administration prerequisites. Remote neighborhood (WLAN) and Worldwide Interoperability for Microwave Access (WiMAX) have been broadly connected in cell phones, for example, handheld PCs and astute telephones. These two procedures have been generally considered as a practical, feasible, and rapid information integration arrangement, empowering client portability. The proposed radio wire is intended for multiband via pair of planar patches and vertical shorted patches which brings about High proficiency of the reception apparatus and high gain. Double band and tri-band reception apparatus outline is made for 2.4–3.0GHz, 3.25–3.68GHz and 5.9–6.4GHz separately by drawing U-molded spaces in the ground plane. The reception apparatus is composed and mimicked utilizing HFSS with great radiation qualities and impedance matching in the three working operating bands.

Index Terms— Multiband reception, high gain, wireless Local Area Network (WLAN), Worldwide Interoperability for Microwave Access (WiMAX).

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