Abstract

A compact Antenna is highly intended to meet the portable communication system requirement. Small size, large gain, better directivity and low power requirement are the key features of such antenna. The polarization of antenna depends on the application for which the antenna is being deployed. Such a customized rectangular micro strip patch antenna is design for linear polarization and is simulated using IE3D. Key parameters included in simulation are VSWR, Return loss, S-Parameters, Z-parameters and smith chart. The planned antenna is capable of generating resonant frequency with single feeds. Experimental result for the characteristics of small strip antenna are conferred and mentioned in this paper.

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**Index Terms**

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