NEW COMPACT IMPEDANCE MATCHED DUAL FREQUENCY PRINTED ANTENNA FOR WIRELESS COMMUNICATION

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ABSTRACT

A Compact dual frequency impedance matched printed antenna is proposed. Resonant frequency has been reduced drastically by cutting small E and F shaped slot in the radiating patch. Antenna Size has been reduced by 41% with an increased frequency ratio(the ratio of second to the first resonant frequency).The proposed antenna can be used for personal communication systems and Wi-Fi. The design and the simulation of the proposed antenna is performed using method of moment based EM simulator IE3D.The response of the fabricated antenna is measured using Vector Network Analyzer.

KEYWORDS: Compact, Printed ,Dual Frequency, Impedance Matched,IE3D.