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Abstract

This paper presents the design of a compact microstrip patch antenna, the compactness is achieved by making two slots in the patch and shorting the patch along its width with the ground plane. The compact antenna has good performance in terms of VSWR, return loss, etc. as compared to calculated antenna. The compact antenna is operating at 2.38 GHz in Medical Body Area Network band (2.36-2.39 GHz), the antenna is fabricated on a FR-4 substrate. The

co-axial feeding technique is used to match the input impedance since co-axial feeding is easy to adjust and can be given at any location to obtain good return loss.

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Index Terms

Computer Science

Biomedical

Keywords

Mban; Compact Microstrip Antenna; Co-axial Feeding; Fr-4 Substrate; Hfss

