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DESIGN OF T-SHAPED LOADED DUAL BAND MICRO STRIP PATCH ANTENNA FOR WIRELESS COMMUNICATIONS

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ABSTRACT

Here, in this study, a simple designs of rectangular Micro strip patch antenna is proposed that is investigating for enhancing the impedance bandwidth for wideband applications, especially for Mobile Services (1.885-2.025 GHz) and WLAN (2.40-2.48 GHz). On the conducting patch T shaped slot has been cut. The % impedance bandwidth (VSWR ≤ 2) at -10 dB return loss for band 1 comes out to be about 19.5%, ranging from 2.194 GHz to 2.667 GHz and 6.7 % ranging from 3.493GHz to 3.773 GHz for band 2

KEYWORDS: Micro Strip Antenna, Rectangular, T-Shaped Slot, Wideband, IE3D