

61. U-STRIP CP PATCH ANTENNA FOR WLAN/WIMAX APPLICATIONS

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The U-shaped structure is presented for designing a dual-band circularly polarized (CP) slot antenna that has a single metallic layer and is fed by a coplanar waveguide (CPW). To evaluate the performance of the versatile structure, a U-slot and a U-strip slot antenna have been designed for 3.6 and 2.5/3.5 GHz bands application. A prototype of the proposed antenna is measured and obtained results including impedance bandwidths, radiation pattern, and gain are presented.

Index Terms---Circular polarization, HFSS, Axial Ratio, Ushape structure.

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