A very compact microstrip fed dual band antenna is designed for WLAN and WiMAX application. The antenna offers a wide bandwidth of 1.28GHz from 2.396GHz to 3.678GHz. The antenna resonates at around 2.53GHz and 3.37GHz defined by 10dB return loss which covers WLAN (2.4GHz) and WiMAX (3.5GHz). The antenna has a rectangular patch with dual inverted L-Shaped strips and is fed by a cross shaped strip line. Defected Ground Structure is used in this antenna. The designed antenna has a small size of 18.6 X 30.1. The structure is symmetrical along vertical axis.
A Compact Dual Band Monopole Antenna using Defected Ground Structure

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