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Design of Microstrip UWB Antenna

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Abstract - Literature reported that a planar ultra wideband (UWB) antenna with notched band is to be proposed and to be investigated. It consists of square patch and a grounded plane. The notched band characteristics are analyzed using T-shaped stub embedded in the square slot of the radiation patch and a pair of U-shaped parasitic strips beside the feed line. The results that are to be measured using the proposed notched-band planar antenna is the rejection of the bands. 3.3-4.0 GHz (WiMAX) and 5.05-5.90 GHz (WLAN), 5.5 GHz (DSRC), 6.1-9.5 GHz (FIXED WIRELESS AND RADIO LOCATION) respectively. And to offer dedicated service for fixed satellite regions (3.9-5.05 GHz). Both the experimental and the simulated results of the proposed antenna are to be analyzed indicating that the antenna is attracted for various UWB applications.