

## **240. BANDWIDTH ENHANCEMENT OF PROXIMITY-FED SQUARE-RING MICROSTRIP ANTENNA WITH DIFFERENT CONFIGURATIONS**

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The broadband outline of double direct spellbound receiving wires requests exact wideband control of individual orthogonal transmitted polarizations. Double straight polarization includes two orthogonal straightly spellbound modes. The reason for this work is to build the transmission capacity and pick up by decreasing the higher request modes of radiation. All these prerequisites can be satisfied by microstrip patch antenna. The Proximity coupling feed is favored for the receiving wire outline. The higher order modes produced with the cross polarization, prompts the diminishment in transfer speed. The nature of polarization is identified with the inalienable confinement between the two orthogonal modes. This disengagement is thus subject to the radio wire Q and excitation geometry. In this extend the transmission capacity is expanded by presenting the opening cuts in the patch and the parasitic components close to the emanating patch. The space alters the surface current circulation headings accordingly prompting a broadside radiation design over the whole transfer speed. Low dielectric consistent substrate is favored since it gives greatest radiation. The Microstrip Antenna outline is recreated utilizing Ansoft HFSS programming. The receiving wire displays wideband qualities at the higher iterations.

Keywords: Microstrip patch antenna; broadside radiation; proximity coupling; higher order modes

*Journal of Science and Innovative Engineering & Technology*