

Design and Development of Microstrip Antenna for Wireless Applications

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Abstract: *The plan of microstrip Antenna with conservative size is recommended for remote correspondence. the microstrip receiving wire is a minimized variety of customary microstrip radio wire. The electromagnetically coupled feed from the lower layer is utilized to energize the proposed receiving wire. The full recurrence of the proposed receiving wire is lower than that of the customary microstrip receiving wire of same actual size. The addition of the receiving wire can be expanded by utilizing a parasitic component over the fundamental radiator and fixed with the spacer of ideal level. The reenactment investigation of different boundaries of the planned receiving wire is finished in Advance Design System electromagnetic EM test system.*

Keywords: Microstrip Antenna

REFERENCES

- [1]. N. Herscovici. 1998. New contemplations in the plan of miniature strip receiving wires. IEEE Exchanges on Antennas and Propagation, AP-46, 6 (Jun. 1998), 807-812.
- [2]. D. Sanchez-Hernandez and I. D. Robertson. 1996. A Survey of Broad band Micro strip Fix Antennas. Microwave Journal, (Sep.1996), 60-84.
- [3]. Dipak K. Neog, Shyam S. Pattnaik, Dhruva. C. Panda, Swapna Devi, Bonomali Khuntia, and Malaya Dutta, "Plan of a Wideband Micro strip Antenna and the Use of Artificial Neural Networks in Parameter Calculation", IEEE Antennas and Propagation Magazine, Vol. 47, No.3, June 2005.
- [4]. C. A. Balanis, Antenna Theory, Analysis and Design, John Wiley and Sons, New York.
- [5]. Prof. Mahesh M. Gadag, Mr. Dundesh S. Kamshetty, Mr. SureshL. Yogi "Plan of Different Feeding Techniques of Rectangular Micro strip Antenna for 2.4GHz RFID Applications Using IE3D", Proc. of the Intl. Conf. on Advances in Computer, Electronics and Electrical Engineering.
- [6]. www.mtiwe.com
- [7]. Jagdish. M. Rathod, Member, IACSIT, IETE (I), IE (I), BES (I)"Comparative Study of Micro strip Patch Antenna for Wireless Communication Application", International Journal of Development, Management and Technology, Vol. 1, No. 2, June 2010 ISSN:2010-0248
- [8]. www.antennatheory.com
- [9]. Antennas (from hypothesis to Practice)- Yi Huang and Kevin Boyle