

## CASE STUDY ON MICROSTRIP SLOTTED ANTENNAS

P SAKTHIVEL<sup>1</sup> & C POORANAKUMARI<sup>2</sup>

<sup>1</sup>Assistant Professor, Department of ECE, Sree Sastha College of Engineering, Chennai, Tamil Nadu, India

<sup>2</sup>Assistant Professor, Department of ECE, Govt. Engineering College, Bodinaikanoor, Tamil Nadu, India

### ABSTRACT

The role of Antenna in any Communication system is to provide a perfect interface between the system and free space in order to couple the signal between transmitter and receiver. The Microstrip antenna is one type of interface, which is widely used in wireless transceivers since it has very low profile. In order to achieve wide band, Ultra Wide Band (UWB), ISM band, multi-band and low-loss in matching, the Microstrip slotted antenna is very suitable one. This paper provides the result of various type of Microstrip antennas. The information provided in this paper is very much useful for a communication system designer and RF Engineer.

**KEYWORDS:** Microstrip Slotted Antenna, UWB, ISM Band, Multiband, Low-Loss Matching