With the enhancement in the world of wireless communications, the need for multipurpose devices has increased. This need can be fulfilled with reconfigurable antennas. In this paper, frequency reconfigurable microstrip patch antenna is presented. In this design it makes use of two patches with same shapes in order to tune for multiple frequencies. The antenna design make use of micro strip feeding technique, PIN diode is used for switching between the patches to tune for different frequencies. The antenna is capable of resonating at a frequency of 2.4574GHz and 5.907GHz, when On State. It will generate a frequency 3.296GHz. When OFF state. This antenna is simulated and measured using CST 2018 software.

References


**Index Terms**

Computer Science  
Signal Processing

**Keywords**

Antenna, Reconfigurability, PIN Diode, Microstrip and CST.