

Abstract

Helical antenna is one of various antenna which take a research by every scientist in the world right now. Helical antenna is chosen because of it has circular polarization which very good for satellite communication. The other advantage helical antenna because the material to make helical antenna is very easy to get. With all advantage owned, hence in this scheme will give contribution from specification of helical antenna growth of antenna specially at antenna satellite communication.

This antenna is designed by single method, in this project emphasize at physical dimension, Voltage Standing Wave Ratio (VSWR), and return loss. This scheme will use range frequency from 5.9 GHz to 6 GHz.

Keyword : Helical Antenna, VSWR, Return Loss