

ABSTRACT

The development of communications technology is very fast with characteristic is high-speed and with service that is not only service voice but also multimedia which can be accessed in nirkabel and mobile. One part that very important is antenna.

To be able the development of service now is required antenna, which can cover everything kinds of technologies,so, antenna triangular twin stripline caturcula is created.

In this final project will be done making of Antenna triangular-twin stripline-caturcula omnidirectional with $VSWR \leq 1,5$ at range frequency 0,3 GHz-3,0 GHZ using monoconic feed and has polarization of linear. In realization of this final project obtained bandwidth 2229,81 MHZ or 86,38% at range frequency 763-2993 MHZ with $VSWR \leq 1,5$. The gain obtained from the measurement results is 8,67 dBi at frequency 1650 MHz. The radiation pattern is omnidirectional and the polarization is ellipse. To get wide bandwidth slice strips between monoconic from 2,0mm to 1,0mm and height monoconic should be changed from 3.0 cm to 5.0cm.

Keyword : Triangle Caturcula, Wide Bandwidth