

ABSTRACT

From a hypothesis that antenna is defined as construction of transition of transmission lines as a matching between propagation spaces with characteristic impedance of radio frequency. Thus it had been made an experiment to find out the truth of hypothesis. On design and realization of broadband biconical antenna's used to reference test matching with design. with required specification bandwidth 1000 MHz at frequency region 1500MHz - 2500MHz with limited by $SWR \leq 2$ and have Omnidirectional pattern and Linear polarization and also required gain 2,14 dBi.

For the result of this final project with Biconical Antenna, it reaches 752 MHz for its bandwidth, omnidirectional pattern, Elliptical polarization, and 3,88 dBi gain.

The project hoped generate prototype can be used that the function maximum.