ABSTRACT

Has been proved by experimental and heuristic that antenna is the tool for balancing the instrinsic impedance between propagation medium and radio's wave director impedance. The antenna that very simple one and easy to make, is antenna that have a basic as a strip line, which support the electricity waves, and then was known as monocula antenna. Many prototypes that consider of monocula antenna and its confusions have been successfully built in heuristic experimental by emergency trial facilities, at IT Telkom yard. Because of that, we must know first the way of its work by practically-theoritically, when it is work in the perfect condition medium (medium without gemas),in bandwidth between 0,3 GHz – 3,0 GHz.

In this experimental, the way of monocula strip line antenna's works (monocular and pancacula), will be predicted with ansoft software, especially in specific bandwidth between 0,3 GHz – 3,0 GHz.

The predictions will be done in two parts, in electric work as construction function (include shape, the material, and the measure),and also in frequencies or wavelength(such as bandwidth, VSWR, impedance, gain, radiation of gain, gain polarization which the same with the specification based on theory.

Key words : monocular strip line, pancacula, ansoft, electric work