ABSTRACT

Experimental research the generation of wide band antenna has proved hypothesis " antenna is a matching impedance between free space and transmission line". From that there are many travelling wave antenna without load has been retained, such as binomial parallel-twin lead-dwitunggal antenna.

The most important thing in analysis binomial parallel-twin leaddwitunggal antenna is radiation pattern or course diagram, it's can be basic theory to make unidirectional or omnidirectional multibranch broadband antenna at VSWR $\leq 2,0$.

Key word: Matlab software, dwitunggal antenna, twin lead