ABSTRACT

Experimental researches about making wideband antennas to prove the hypotesis that says that antena is a matching device between free space and transmission line, has just proved it right. It then, causes several transversal wave antennas without load, unlike resistif loaded beverage.

Performance of an antenna is mainly about Poynting Vector. It describes the radiation pattern. It is fundamentally used as the basic in producting multicula antennas, unidirectional and omnidirectional as well in range VSWR \leq 2,0.

Here some empiric is made as the formula to plot radiatuion pattern of unidirectional dwicula antennas. It is used as the ace of the software made. The output shows that dwicula antenna has the unidirectional radiation pattern, by setting the angle between the two dwitunggal elements. It must be less than 180°. And gain is great as well, by ensmalling the angle.