Scilab Manual for Antenna Wave Propagation by Mr Darshan Modi Others VESIT¹

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Experiment: 1

Radiation pattern of half-lambda dipole

Scilab code Solution 1.1 Radiation Pattern of Half Wave Dipole

```
//radiation pattern for the half wave dipole antenna
phi=linspace(0,2*%pi,1000);
rad=abs(sin(phi));
k=1; //the multipliccation factor depends on the current and the length of the dipole antenna
polarplot(phi,k*rad)
//Input Constant=> k->Depends on the current and the length of the dipole
```