

Scilab Manual for
Antenna Wave Propagation
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<http://spoken-tutorial.org/NMEICT-Intro>. This Scilab Manual and Scilab codes
written in it can be downloaded from the "Migrated Labs" section at the website
<http://scilab.in>

Contents

| | |
|--|----------|
| List of Scilab Solutions | 3 |
| 1 Radiation pattern of half-lambda dipole | 4 |

List of Experiments

| | | |
|--------------|---------------------------------------|---|
| Solution 1.1 | Radiation Pattern of Half Wave Dipole | 4 |
|--------------|---------------------------------------|---|

Experiment: 1

Radiation pattern of half-lambda dipole

Scilab code Solution 1.1 Radiation Pattern of Half Wave Dipole

```
1 //radiation pattern for the half wave dipole antenna
2
3 phi=linspace(0,2*pi,1000);
4 rad=abs(sin(phi));
5 k=1; //the multipliccation factor depends on the
       current and the length of the dipole antenna
6 polarplot(phi,k*rad)
7
8
9 //Input Constant==> k-->Depends on the current and
   the length of the dipole
```
