

Experiment - 1: Study of different kinds of Antenna

- 1. Aim:** Study of different classes of antennas, their types, working, and applications

2. Requirements:

To study various linear antennas like dipole, folded dipole,
Linear antenna Arrays like Yagi-Uda Antenna , Log periodic antenna
Microstrip Antenna
Aperture Antennas

3. Pre-experiment Exercise

Brief Theory

(Requirement of Antennas, Classes of antennas and their types)

[illegible]

4. Laboratory Exercise

- 4.1 Procedure: (Principle of working and applications of antennas under study. Explain atleast one antenna under each class)**

(Diagrams of the antennas under study)

5.1 Conclusion/Comments

5.2 Questions:

1. Explain evolution of an antenna from transmission line.
2. Write the conditions under which an antenna radiates.
3. What are the different performance parameters of an antenna?
4. Define different field regions of antennas. Describe each region.

