

# EEC133 Lecture Note Part 2

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## 1 Microstrip Antennas

1. Frindge field gives the radiation
2. Fields need to be large at the patch boundary
- 3.

## 2 Aperture Antenna

1. An aperture antenna transforms the electromagnetics mode in a waveguide into a freespace propagating electromagnetics wave and vice versa.
2. transition region = aperture antenna
3. Good radiation pattern : high directivity
4. No resonant behavior
5. High bandwidth and easy matching