



# ANTENNA AND WAVE PROPAGATION

# ANTENNA ARRAYS

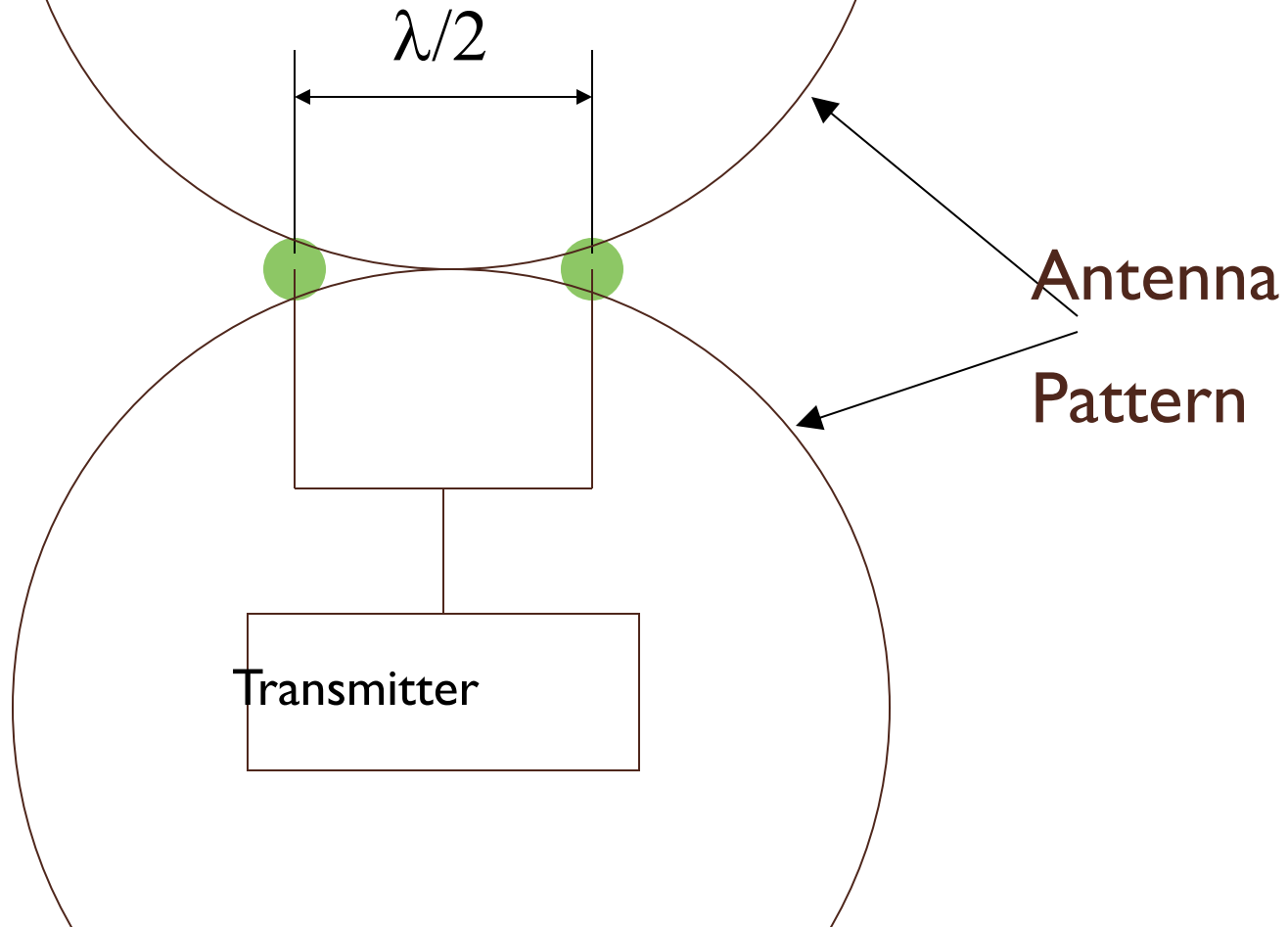
It is often impossible to generate a desired antenna pattern with just one antenna

Using two or more antenna **elements** provides the designer with more design variables e.g.

1. Number of elements
2. Physical arrangement of elements
3. Amplitude and Phase of input signals

# ARRAY of two isotropic Point sources

## Two Element Example



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## Two Element Example

