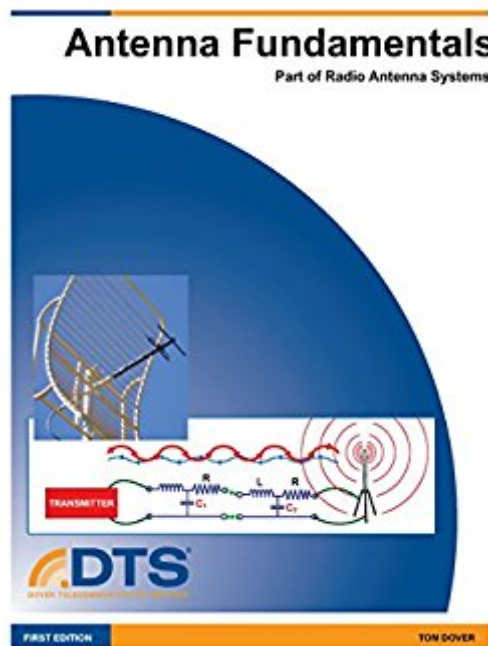


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# Antenna Fundamentals- Module 4: Radio Antenna Systems -



## Synopsis

This Manual is module 4 of the DTS Radio Antenna Systems course. You will move from transmission lines and add antennas as part of the network. This module introduces the isotropic radiator as the ideal antenna and then moves to the di-pole antenna as the practical device. The core elements and how antennas work are covered at the technician level. This manual does not go into antenna design, engineering or manufacturing. This manual (module) defines common antenna types and their relationship to the Dipole Antenna. Microwave and parabolic antennas are discussed including beam width and polarization. Antenna gain, beam-width and bandwidth will be emphasized to ensure the student has a clear understanding of how and what is taking place with an antenna. This material is available as an on-line course.

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