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The basic characteristics of microstrip patch antennas can be obtained by applying the cavity model to a coaxially fed microstrip patch antenna. The basic assumption in the cavity model is that the thickness of the substrate is much smaller than the wavelength.

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A class of antennas that has gained considerable popularity in recent years is the microstrip antenna. There are many different varieties of microstrip antennas, but their common feature is that they basically consist of four parts ...

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Design and Analysis of Microstrip Patch Antenna Arrays

Microstrip Patch Antennas: A Designer's Guide provides the reader with a current overview of where microstrip patch antenna technology is at, and useful information on how to design this form of radiator for their given application and scenario. The book describes the general properties and the many different forms of microstrip patch antennas, highlighting the advantages and disadvantages of each from a designer's perspective.

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Microstrip Antennas 10-7 2. Physical Models In order to design a microstrip element for a given application it is crucial to first have a good understanding of the physical mechanisms that govern these elements. There are several theories for microstrip elements with varying degrees of accuracy and complexity.

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Microstrip patch antennas are used for communication purposes especially in military and civil applications. In this paper a simple microstrip patch antenna is designed in CST Microwave Studio at a resonant frequency of 2.4 GHz.

Microstrip Patch Antenna Designing at 2.4 GHz Frequency

The microstrip patch antenna array is designed for WLAN applications, at an operating frequency of 2.4 GHz with microstrip line feed and power dividers. View Show abstract

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