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LMRâ€™both at base stations and mobile unitsâ€™represent

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knowledge of antenna theory. I acquire good ability to analyse and design antennas. I acquire good knowledge of antenna parameters such as directivity and radiation pattern. I carry through and document a project in which an antenna is designed, fabricated and measured. Rome 2012. Patch antenna, cf., the lab project.

### **ETEN10:1 Antenna Technology - eit.lth.se**

Introduction, Need of smart antenna system, Overview of smart antenna system Types of smart antennas, Switched beam system, Adaptive system Beam forming, Fixed weight beam forming: Maximum signal-to-interference ratio beam-former

### **NPTEL :: Electronics & Communication Engineering**

Antennas are a very important component of communication systems. By definition, an antenna is a device used to transform an RF signal, traveling on a conductor, into an electromagnetic wave in free space. Antennas demonstrate a property known as reciprocity, which means that an antenna will maintain the same characteristics regardless if it is

### **Antenna Basics - Wireless**

A fundamental list of antenna theory concepts, an antenna basics menu is given here. Topics include directivity, polarization, bandwidth, impedance, frequency bands, all things necessary for an understanding of antenna theory, antenna basics and antenna fundamentals.

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