

# What are the requirements for setting up a base station site

How do I set up a base station?

Set up the base station using either the tripod or T-bar mounting method. You must use an external radio antenna kit for the internal 450 MHz or 900 MHz radio. To avoid interference between the 900 MHz radio and GPRS transmissions, do not mount the external radio antenna within 1 m (3.3 ft) of the GSM antenna.

Where should a base station be installed?

The location is the actual environment in which the base station will be installed. Typically, this means outside in an open sky environment (e.g. on the roof of a building or in an empty field). Figure 2 shows a typical fixed installation of several antennas, including a VeraChoke and a VeraPhase 6000, on a roof.

What is a base station?

**Network Coverage:** Base stations cover a given part of the earth. Various base stations are set up in such a way that forms a network to encompass all areas of the city, region or even an entire country.

Why do we need a base station?

**Technological advancements:** The New technologies result in evolved base stations that support upgrades and enhancements such as 4G, 5G and beyond, its providing faster speeds with better bandwidth. **Emergency services:** They provide access to emergency services, so that in case of emergency, people can call through their mobile phones.

What are the components of a base station?

The base station will have one or more RF antennas installed to transmit and receive RF signals from other devices. The block diagram of a base station typically includes the following key components: **Baseband Processor:** The baseband processor too deals with different communication protocols and interfaces with mobile network infrastructure.

How do I set up a GNSS base station?

For good performance, observe the following base station setup guidelines: Place the GNSS receiver in a location on the jobsite where equal range in all directions provides full coverage of the site. This is more important on larger jobsites, where the broadcast range of the base station radio may limit the operations of the system.

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Jul 2, 2021&nbsp;&#0183;&nbsp;&nbsp;Introduction This guide describes and gives advice on how to set up a reference receiver for a base station.

## What are the requirements for setting up a base station site

This is the first of a series of articles dealing with how to correctly set up a base station. In this article, we give a brief introduction and explain the ...

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