

# 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.

This is the third of a series of articles dealing with how to correctly set up a base station. This article provides details on how to handle the physical ...

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Base station operation guidelines This topic introduces the concept of base station operation, provides information to help you identify good setup locations, describes best ...

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A good example would be on top of a building, for example, a control tower. If you are setting up a permanent Base Station from scratch, we recommend that you let it average over 24 hours ...

For example, wrong antenna height, base not set up over the point, base set up in the wrong location. The following figure shows a system set up on a T-bar showing an external ...

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