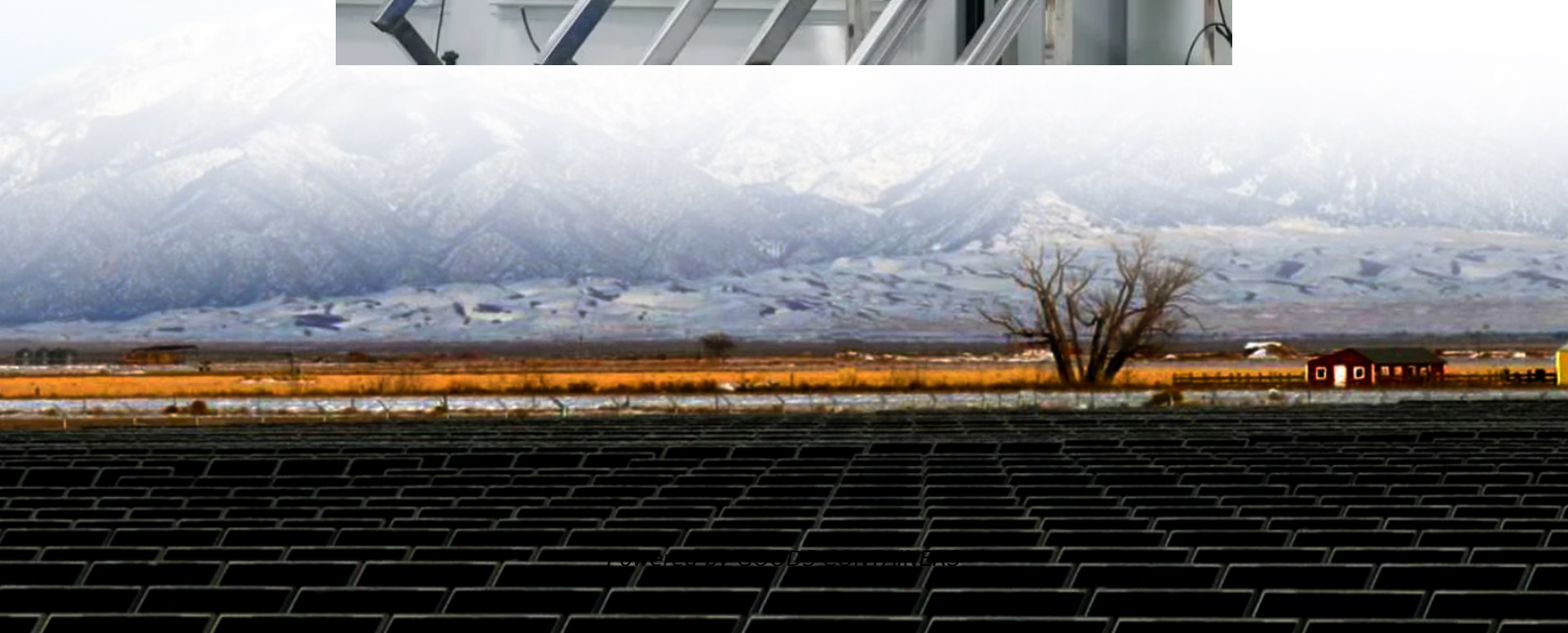


# How to isolate a mobile base station





## Overview

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What is a mobile base station?

A mobile base station, also called a base transceiver station (BTS), is a fixed radio transceiver in any mobile communication network or wide area network (WAN). The base station connects mobile devices to the network and routes them to other terminals in the network or to the core network of a mobile operator. Read more [Explore Mobile base](#).

What is antenna isolation?

Antenna isolation is a critical factor in the design and operation of communication systems, especially where multiple antennas are used close together, such as in cellular base stations, wireless routers, and other RF (Radio Frequency) communication devices.

How many dB can a sub-3ghz base station antenna isolate?

According to Huawei antenna test results, when  $d$  equals 0.1 m, an isolation greater than 23 dB between Sub-3GHz base station antennas and C-band NR antennas can be achieved.

How to improve antenna isolation?

**Antenna Positioning and Orientation:** Adjusting the orientation or polarization of antennas relative to each other can significantly improve isolation. Antennas polarized orthogonally (at right angles to each other) typically exhibit better isolation.



## How to isolate a mobile base station

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antennas. Antenna isolation increases with distance. ...

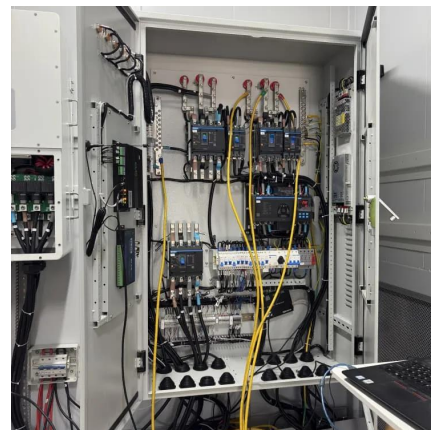


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