

Future mobile communications will not require base stations





Overview

The sixth-generation (6G) technology of mobile networks will establish new standards to fulfill unreachable performance requirements by fifth-generation (5G) mobile networks. This is due to the high req.

Will China build a 5G base station next year?

Technicians from China Mobile check a 5G base station in Tongling, Anhui province. [Photo by Guo Shining/For China Daily] China aims to build over 4.5 million 5G base stations next year and give more policy as well as financial support to foster industries that can define the next decade, the country's top industry regulator said on Friday.

What is the next generation of mobile wireless communication?

The next generation of mobile wireless communication, 6G, is already intensely discussed within the ICT industry and in academia. Countries and regions have initiated large research projects, and plans are being made for the standardization of this next generation.

Do aerial base stations provide reliable coverage in far-flung areas?

Contextually, we focus on one of the most promising solutions to provide sufficient and reliable coverage in far-flung areas: aerial base stations (ABSs), which consist of unmanned aerial vehicles (UAVs) carrying cellular BS equipment.

How mobile communication devices will increase in the future?

For instance, in addition to phones, it is estimated that the density of mobile communication devices will increase. These can be wearable devices, integrated headsets, and implantable sensors . Each new device requires a certain system to communicate as well as several environmental conditions depending on where it is used.



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6G spectrum

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