

Kongres Container

Southern Europe s first 5G base station



Overview

Is 5G sluggish in Europe?

The deployment and adoption of 5G SA in Europe remain sluggish, increasing slowly from a very low base and further widening the region's gap with North America and Asia. Spain stands out as a clear leader in 5G SA deployment, reaching an 8% Speedtest® sample share compared with the EU average of just 1.3% as of Q2 2025.

What is Europe's 5G Revolution?

Europe's 5G revolution is well underway. From artificial intelligence (AI) to the internet of things (IoT), the high bandwidth and low latency offered by 5G is powering a range of exciting technological developments across the continent.

Does Europe have 5G?

The rollout and expansion of 5G networks across Europe have been advancing significantly in recent times. Several operators have announced new milestones in their 5G coverage. However, some countries have lagged significantly behind the EU average in different aspects such as coverage, bandwidth, and speed. First of all, what do we mean by 5G?

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How many 5G base stations are there in China?

In data collected between July 2022 and June 2024, China was reported to have had around 3.5 million 5G base stations installed across the country, with Chinese mobile operators investing heavily in 5G infrastructure. By comparison, the European Union had around 460,000 thousand base stations, while the United States had approximately 175,000.

How does Europe compare with other countries in 5G development?

On a range of technical and other criteria, Europe compares well with other leading countries and economies in 5G development, such as the USA, China, Japan, the Republic of Korea, Singapore and Taiwan.

Which 5G band is most widely assigned?

According to the 5G Observatory Biannual Report of June 2024, the 3.6 GHz band has been the most widely assigned among EU countries. All EU members, except the Netherlands, have allocated at least 50 per cent of the targeted spectrum in this band, meaning at least 200 MHz out of 400 MHz.

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