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# Does the EU have 5G base stations



## Overview

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### What is the European 5G Observatory?

The European 5G Observatory tracks progress in 5G infrastructure deployment across the EU and other regions worldwide according to base stations deployment, edge nodes and infrastructure sharing agreements. Source: IDATE estimates and regulators' data. Reporting period: at December 2024. Source: IDATE estimates and regulators' data.

### How many 5G base stations does the EU-27 have?

The EU-27 has deployed around ten 5G base stations per million capita, whereas South Korea has rolled out around 1,500 base stations per million (by the end of 2019). The EU-27 has upgraded 1% of 4G base stations to 5G, whereas South Korea upgraded 98% (by the end of 2019).

### Is 5G available in Europe?

By contrast, 5G Availability in Central and Western European laggards such as Belgium, the United Kingdom, and Hungary remains less than half that of the leaders. On average, EU mobile subscribers spent 44.5% of their time connected to 5G networks in Q2 2025, up from 32.8% a year earlier.

### 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.

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The 5g base station market in Europe is expected to reach a projected revenue of US\$ 44,815.4 million by 2030. A compound annual growth rate of 33.8% is expected of Europe 5g base ...

The European 5G Observatory is a monitoring facility designed to track progress in 5G technology and market developments across the EU and other regions worldwide.

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As of 2023, Germany had the most 5G base stations among European Union (EU) member states, with over 90,000 base stations installed. The EU has sought to boost the ...

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Comparison of the number of 5G base stations in the European Union (EU) and selected countries worldwide in 2024 [Graph], European 5G Observatory, J.

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Discover how spectrum policy and strategy shape 5G coverage across Europe, with Nordic and Southern nations leading and Spain ahead in 5G SA.

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Only the total number of 5G base stations is known for some EU countries. This means the true total number of base stations in the EU in 700 MHz, 3.6 GHz or DSS bands ...

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2024 has been a year of consolidation for 5G in Europe. In 2025, priorities must focus on maximizing the impact of 5G.

## Contact Us

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