

How does the European 5G Observatory inform the digital decade report 2025?

The European 5G Observatory informs the Digital Decade Report 2025 by monitoring progress towards the EU's 2030 digital connectivity targets. Following the publication of the White Paper "How to master Europe's digital infrastructure needs" by the European Commission, there have been several developments in EU policy.

What is the European 5G Observatory?

The European 5G Observatory is a valuable resource for anyone interested in the development of 5G networks. Whether you are a policymaker, researcher, telecom operator, or simply a tech enthusiast, the Observatory offers reliable and up-to-date information on 5G's progress.

Are EU mobile operators launching 5G SA Services?

There has also been a continued effort by EU mobile operators to launch 5G standalone (5G SA) services across the EU, although the deployment of SA services remains limited, and their information is not always available about the extent of operator rollouts.

When will 5G be available in the EU?

As such, the authorisation of the 5G pioneer bands, which should have been completed in all EU Member States by end 2020, has not been completely fulfilled yet. The most recent assignments took place in Poland, with an auction in the 700 MHz band and the Netherlands, with an auction in the 3.6 GHz band.

What are the major commercial developments in 5G?

As far as main commercial developments are concerned, it is observed that the rollout and expansion of basic 5G networks across the EU has grown, with 5G coverage increasing in all Member States.

What is the current state of play in authorised 5G bands?

The current state of play in authorisation of 5G bands indicates limited progress compared to the last reporting period, most notably due to the fact that the 700 MHz and 3.6 GHz bands have now been assigned across all Member States, except for the 700 MHz band in Malta, while the 26 GHz band has been authorised only in 12 Member States.

Feb 18, 2025&nbsp;&#0183;&nbsp;&nbsp;Using AI, Kyocera's 5G virtualized base stations will enhance performance, reduce power consumption, and streamline both operations ...

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In today's 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for ...

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Premium Statistic Number of 5G base stations per 100,000 people in selected countries worldwide 2024  
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Jul 1, 2025&nbsp;&#0183;&nbsp;&nbsp;As of 2024, Germany had the most 5G base stations among European Union (EU) member states, with over \*\*\*\*\* base stations installed.

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