

Moroccan communications companies developing 5G small base stations

Is Morocco ready for a 5G network?

The Government of Morocco is currently conducting international studies to better understand international safety and implementation standards and benchmarks before deploying Morocco's 5G network. Morocco's National Telecommunications Regulatory Agency (ANRT) expects to conduct its 5G spectrum auction by the end of 2023 or beginning of 2024.

Will Morocco launch 5G in 2023?

The general guidelines note for the development of the telecom sector, adopted by the National Agency for Telecommunications Regulation (ANRT) in 2019, specified conditions for the launch of 5G in Morocco in 2023. Morocco is still in the 5G evaluation, testing and trial stage, leaving the launch postponed to a later date.

Could 700MHz spectrum be suitable for low-band 5G services in Morocco?

Spectrum in the 700MHz band could be suitable for low-band 5G services in Morocco. Spectrum in the 700MHz band was assigned to mobile services as a result of the adoption of the new national frequency plan in December 2017¹⁰ and appears to be free of any existing MNO allocation.

Which countries are preparing for 5G?

Maroc Telecom, Morocco's largest telecoms operator and has operations in Benin, Burkina Faso, Ivory Coast, Gabon, Mali, Mauritania, Niger, Chad, Togo and the Central African Republic. 5G: The three major telecoms operators are preparing for their transition to 5G, now expected in 2024.

How will 5G impact Morocco and the MENA region?

5G has the potential to positively affect society and the economy, in Morocco and the broader MENA region (see previous section of this report). However, these benefits will be achieved only if policymakers take steps to facilitate the introduction of 5G and work to ensure its long-term success.

When will Morocco's 5G spectrum auction start?

Morocco's National Telecommunications Regulatory Agency (ANRT) expects to conduct its 5G spectrum auction by the end of 2023 or beginning of 2024. Each telecom operator is now lining up equipment contracts in anticipation of that auction. Several international technology companies have shown interest in Morocco's evolving 5G landscape.

Table 1: Small Cell Deployment Scenarios High-Level Architecture: The high-level architecture of a 5G small cell typically includes the following components: Radio access ...

Small-cell Base Station (SBS) antennas are crucial for exploring the full potential of 5G networks by expanding the network in urban areas, densely populated regions, indoor environments, ...



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The speed at which these benefits can be achieved depends however on policymakers taking the necessary steps to facilitate the introduction of 5G and working to ensure its long-term ...

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