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Russian communication 5g base station frequency





Overview

When will 5G become a standard base station in Russia?

Back in September 2021, the Russian Ministry of Digital Development decided that by 2023 communications only Russian base stations could be installed on the network. It is assumed that within 2-3 years a mass production of such standard stations will be organized, LTE then it is planned to move to the 5G standard base stations.

Which frequency band is used for 5G in Russia?

Instead, a frequency band of 4.8-4.9 GHz was chosen for Russia's 5G networks. Note 2. The Ministry noted that the 3.4-3.8 GHz frequency range is a priority for 5G, but in Russia it is occupied by other services, including power services.

What is the RF 5G range in Russia?

From the indicated decisions of the working group "Express Audit of the RF 5G" and the State Emergency Committee, it follows that in Russia 5G networks will be built, first of all, in certain areas of the 4.4-5 GHz range. Meanwhile, another range of 3.4-3.8 GHz is considered the most promising for 5G.

What is the upper range for 5G tests in Russia?

This was reported in TASS Information Agency of Russia with reference to the information provided by the Ministry of Communications of the Russian Federation. As specified, the SCRF has increased the upper range for 5G tests from 25.25-27.5 GHz to 25.25-29.5 GHz.



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Active deployment of 5G networks at domestic base stations will begin in large Russian cities in 2026, Russian Minister of Digital Development Maksut Shadayev, told reporters.

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Each base station using this frequency within stipulated distance from the border must be coordinated with affected neighbouring countries. In the case of 4.8-4.99 GHz, the ...

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