

# 5G network download speed on Xiaomi 14 Ultra reached a record level

This test mainly focuses on a technology called 'Quadrature Amplitude Modulation' (QAM) 1024.

The 'alliance' of Vodafone, Qualcomm and Xiaomi said they have successfully achieved a 5G network download speed of 1.8 gigabits per second (Gbps) recorded on commercial smartphones, specifically Xiaomi 14 Ultra. The trial was carried out in Germany and Spain, applying new technology that improves the way data and video are transmitted from radio networks over 5G to mobile devices.

Specifically, this test mainly focuses on a technology called 'Quadrature Amplitude Modulation' (QAM) 1024. This is basically an improvement on the system used today called is 256 QAM. 1024 QAM allows more data to be sent per transfer, which in turn leads to faster download speeds. Vodafone says that when this upgrade is rolled out, it will significantly increase network speeds and capacity.

The smartphone model used in the actual performance evaluation test of 1024 QAM technology is Xiaomi 14 Ultra, equipped with Snapdragon X75 5G Modern-RF System modem. The results obtained are as follows:

In Germany, the team measured a throughput improvement on a commercial network of around 20% over distances of up to 600m and at a 5G test center in Ciudad Real, Spain. The highest 5G network download speed achieved is nearly 1.8 Gbps. Theoretically, 1.8Gbps could deliver a capacity increase of up to 25% under ideal conditions.



Vodafone expects to make this technology more widely available in 2025, suitable to support situations where users are near mobile hotspots in crowded areas such as shopping malls or high streets." .

Vodafone hopes 1024 QAM will be more widely available next year, but not all 5G smartphone models support this technology, it all depends on the device's hardware configuration. Regardless, this successful test is proof of the potential that can be achieved with 5G, and that it needs to be continuously pushed to achieve the best performance.

You finished reading the article "**5G network download speed on Xiaomi 14 Ultra reached a record level**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.