

While the world waited for 5G to appear, Telefonica introduced LTE 1Gbps on Samsung Galaxy S9

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Although the 5G network is still being built everywhere, the actual application of 5G to devices is still a look in the future. Meanwhile, the Spanish carrier Telefónica has a solution: 'introduce LTE' 4.9G 'on existing Samsung and Nokia phones, bringing the maximum speed of 1Gbps'.

Telefónica, Samsung and Nokia together announced they had successfully delivered 1 Gbps data transfer rates - equal to fiber optic bandwidth, but on mobile devices - by combining three radio spectrums. This LTE Advanced Pro technology is called 4.9G because it is nearing the data transfer rate of 5G (operators expect 5G to achieve the highest speeds of 2Gbps and 5Gbps, depending on many factors).

However, 5G also has the ability to respond significantly, also known as reduced latency, as well as new security features currently not available on 4.9G.

In terms of hardware, Samsung Galaxy S9 and S9 + now have what it takes for LTE Advanced Pro to support high-speed data transmission. Qualcomm also offers chips that support 4.9G. In areas with 4.9G network support, users of 4.9G devices also get better cellular data rates than iPhones because Apple has disputes with Qualcomm that the transfer rate is mobile data. quite low.



LTE 4.9G is a transition step before up to 5G

Currently, 4.9G is quite limited but it will grow on the way to 5G. Telefónica launched the technology in Segovia, Spain using Nokia AirScale's broadcast stations, intending to add Talavera de la Reina while gradually

launching hardware that supports 5G in the next 2 years.

In January, they promised to choose two cities to launch 5G for the first test in 2018, before launching all over Spain by 2020.

Other carriers around the world also said they would improve their 4G network with LTE Advanced, through firmware upgrades to release 5G as soon as possible. Android phones using Samsung or Qualcomm chips will be the most benefited devices, unless Apple steps up and improves the ability to use mobile data on the iPhone.

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