

The 2019 iPhone uses new type antennas, improving cellular signal reception in the home

iPhone 2019 will be equipped with a new MPI (modified-PI) antenna structure due to the shift in the supply chain and technology.

Ming-Chi Kuo - TF Securities analyst and a major influence on Apple products recently revealed new changes on iPhones of 2019 and 2020.

According to Mr. Kuo, iPhone 2019 will be equipped with new MPI (modified-PI) antenna structure due to the shift in supply chain and technology. This prediction was made by Kuo in 2019 but now he is more certain about his forecast.

Currently, iPhone XS, XS Max and iPhone XR are limited by liquid crystal polymer (LCP) antenna technology, causing problems with high-frequency mobile network data transmission. The shift to MPI antenna structure on iPhone 2019 not only helps Apple improve product quality, but also ensures better 4G LTE network connectivity, improved performance when indoor orientation helps identify objects. Better lost.



However, Mr. Kuo said that due to the upgrade of the new ultra-wide band, the cost of antenna technology in 2019 will increase from 10% to 20% compared to last year.

The new antenna structure for iPhone 2019 will be equipped with two antennas (one MPI and one LCP) above the camera body, and three other MPI antennas at the bottom of the device. But by 2020, when Apple launches iPhone 5G, LCP antenna will be used again.

In addition, Mr. Kuo also made a forecast about the amount of iPhone shipped, whereby the number of half-year 2019 will be nearly unchanged compared to last year.

Earlier in April 2019, Kuo also made predictions about the iPhone 2020 being equipped with modems from both Qualcomm and Samsung. He said that Apple's iPhone 5G will have shipments of up to 200 million in 2020.

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