

Unexpected things in the house silently 'break' Wi-Fi waves

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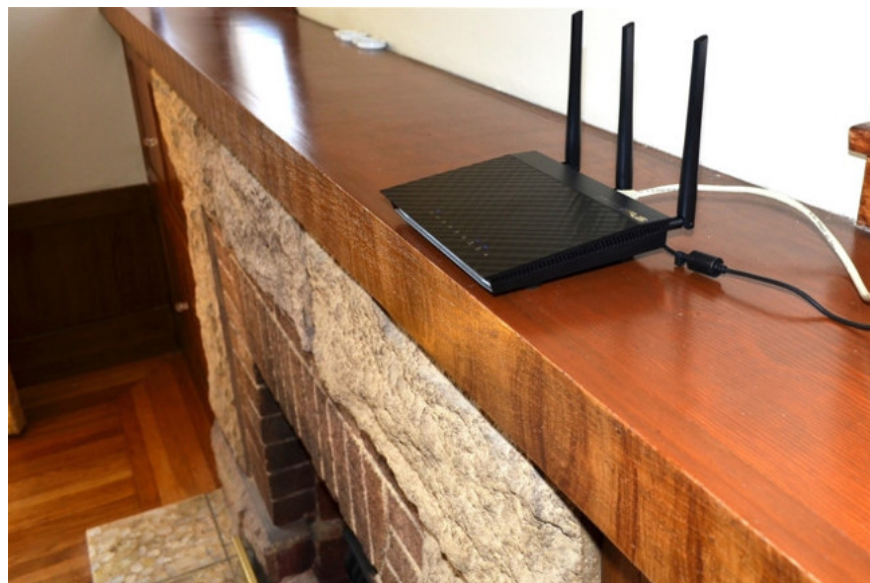
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The Wi-Fi network is no longer rare in Vietnamese families. But there are many interesting things around this connection technology that most people don't know about. For example, placing a Wi-Fi router next to a fish tank or near a bonsai with a shadow decoration will weaken the broadcast capability.

How does Wi-Fi work?

Wi-Fi waves are transmitted through a modem that connects to the total network source of the Internet service provider . Routers with antennas act as connection hubs. It will transfer signals from the total network to Wi-Fi waveforms and receive signals from devices such as computers, phones .

However, users can easily realize that **Wi-Fi waves are often unstable by wired networks** . There are days, the signal is quite good, web access is fast without interruption. Meanwhile, there are also some days the process of downloading data seems more difficult than usual.



The cause of this phenomenon is quite diverse. It may be due to the transmission from the service provider or because the router is not allowed to rest for a long time. In addition, **some of the objects in the house are also the cause of the quality of Wi-Fi transceiver of the modem is affected** .

The causes of Wi-Fi interference are few expected

Decorative light flashes



According to Ofcom, the UK telecom regulator, the **magnetic field emitted from the flash light** can seriously affect the Wi-Fi system. The same is true for devices with wires and glowing lights. But decorative lamps used during Christmas or Tet specials are more special because the structure consists of many barbed wires wrapped together to make the magnetic field larger.

In addition, flashes decorated today also equipped with additional adjustment box to turn on and off lights according to the rhythm, creating a nice blinking effect. This is even more harmful to each family's Wi-Fi transceiver.

According to experts, **flash lights can reduce Wi-Fi performance by up to 25%** .

Kitchen utensils

Even kitchen appliances are a factor affecting network quality. Wi-Fi signals are easily blocked by metal plates and plumbing. Therefore, **items such as refrigerators, freezers, microwaves or washing machines** may interrupt the signal. In addition, the engine system and machinery in it also cause interference.

But the most worrisome is the microwave. This type of device shares the same frequency (about 2.4 GHz) with the Wi-Fi transmitter so it will temporarily disconnect when operating.

Aquarium fish tank



Water is very good at absorbing Wi-Fi waves. Therefore, leaving the **router next to an indoor aquarium** makes Internet quality significantly reduced. Not only water but any liquid has similar properties .

Wall

Materials such as **brick, plaster, stone or metal** prevent Wi-Fi from passing. Particularly large houses, thick walls will make Wi-Fi waves more difficult to operate. Therefore, among the rooms, the design of thin plaster partition wall using the router will give better quality of broadcasting.

Wi-Fi wave conflict with neighbors

Wi-Fi quality is often affected by neighbors' modems because **of signal conflicts** . In this case, you should change the frequency to ensure line quality. Not to mention, users who use Wi-Fi passwords are easy to guess and lead to "stealing" networks.

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