

What is the radiation emission level on iPhone 7 exceeding the limit?

The results of radio frequency radiation testing showed that iPhone 7 is causing concern because the index surpassed the safety threshold.

Chicago Tribune (USA) and a group of scientists have performed radiation measurements on 11 popular phones in the United States. The results of radio frequency radiation testing showed that iPhone 7 is causing concern because the index surpassed the safety threshold.

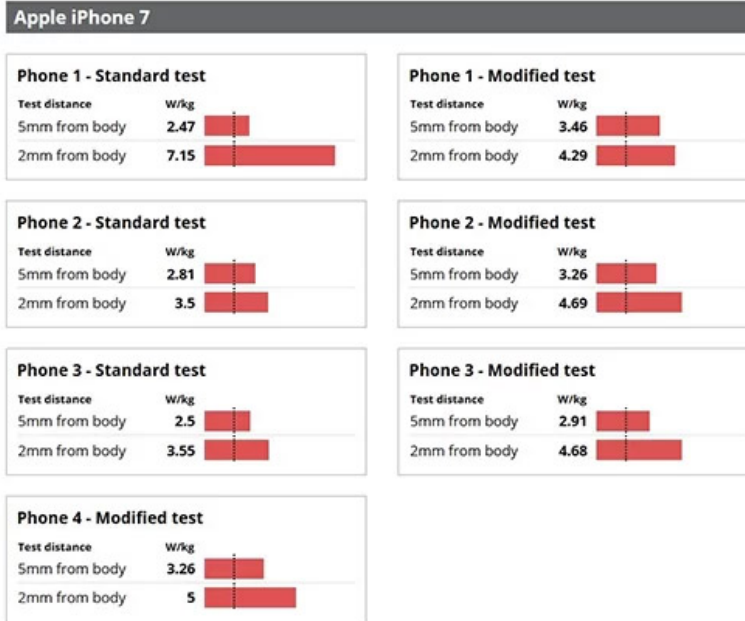
List of 11 phone models participating in the test include: Moto E5 Play, Moto G6 Play, Moto E5, iPhone 7, iPhone X, iPhone 8, iPhone 8 Plus, Samsung Galaxy S9, Samsung Galaxy S8, Samsung Galaxy J3 and BLU Vivo Mini 5. During testing, the devices were measured at 2mm, 5mm, 10mm and 15mm distances.



iPhone 7. Photo: Phonearena.

2mm is the distance that simulates the amount of radiation a person can be exposed when the phone is placed in a user's pocket or pants. Most smartphones on the list exceed the allowed limit. Therefore, the Chicago Tribune recommends that users should not leave the phone in a pocket or pants.

KEY: Federal exposure limit of 1.6 W/kg



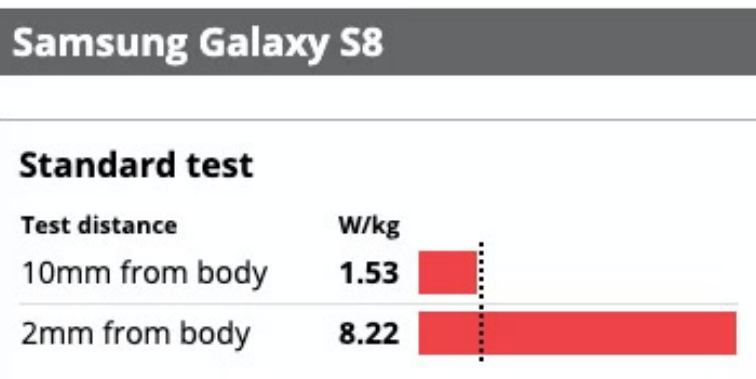
All 4 iPhone 7 participating in the test have RF indicators that exceed the threshold.

According to the Federal Communications Commission (FCC) regulations, phones required to meet the maximum radiation absorption rate of less than 1.6 W / kg are allowed to be sold in this country.

Test results show that, at both 2mm and 5mm distances, the iPhone 7 has twice the index on the top mark, and is twice as high as the results announced by Apple before launching this smartphone to the market.

However, smartphones with the worst index at 2mm distance are Samsung Galaxy S8 at rates up to 8.22 W / kg.

The best results in these tests are Moto G6 Play with 0.25W / kg at a distance of 5 mm and 0.53W / kg at 2 mm. BLU Vivo 5 Mini is also within the FCC's permissible threshold with 1.29W / kg at 2mm and 0.3W / kg at 10mm.



Galaxy S8 has a bad RF index at 2mm distance but is safe at 10mm.

Test results were sent by Chicago Tribune to FCC, Apple, Samsung and manufacturers with devices on the list.

The FCC responded to the Chicago Tribune's report and said it would consider it and conduct testing again in the next two months. These smartphones will be banned from circulation if they actually exceed the allowed threshold.

Meanwhile, Apple claims its device is safe, the product it sells in the US is tested against industry standards before it is released and complies with all FCC regulations. Apple believes the Chicago Tribune's results "are not exactly due to the non-compliance settings needed to properly evaluate iPhone models."

Similar to Apple, Samsung also confirmed that the product it sold in the US was tested to industry standards before it was released and complied with all FCC regulations.

There is currently no clear conclusion about the impact of low-level radio radiation on the human body. But some sensitive parts of the body that do not disperse heat as well as the eyes or testicles may be affected by high-intensity radio radiation.

The results of a study were conducted by the US Environmental Science Institute (NIH) and the US National Toxicology Program (NTP), which showed that radiation emitted from mobile phones can cause heart tumors. rare in male rats.

1. Smartphones emit the highest and lowest electromagnetic radiation today

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