

# Smartphones emit the highest and lowest electromagnetic radiation today

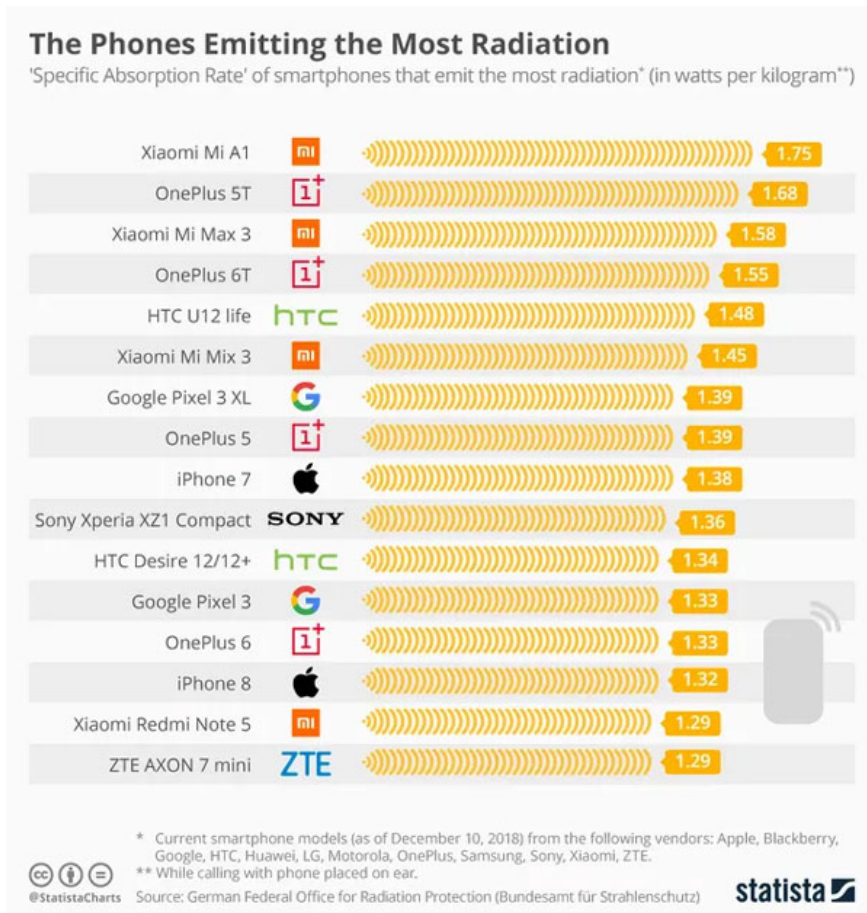
Below is a list of the highest and lowest radiation smartphones today according to research results of BFS - German Federal Radiation Protection Office.

So far, the problem 'Does electromagnetic waves emanating from smartphones affect human health?' still controversial. Scientists have done many tests but have not yet made a final conclusion.

In fact, every object emits electromagnetic radiation at different levels. Smartphone is the same, the level of radiation with the wavelength emitted from each device is different. Therefore, many people are only comfortable to use when choosing smartphones that emit low radiation levels.

The following is a list of the current highest and lowest radiated smartphones according to research results of BFS - German Federal Radiation Protection office, based on 'Specific Absorption Rate' (SAR - Specific Absorption Rate) , one of the main parameters used to measure electromagnetic waves emitted by mobile phones is absorbed by the body. The unit of SAR is Watt / kg (W / kg), the higher the SAR, the greater the radiation emitted from that device.

The results of this study are measured when the smartphone is in the calling mode and placed in the ear on smartphones until December 18, 2018.



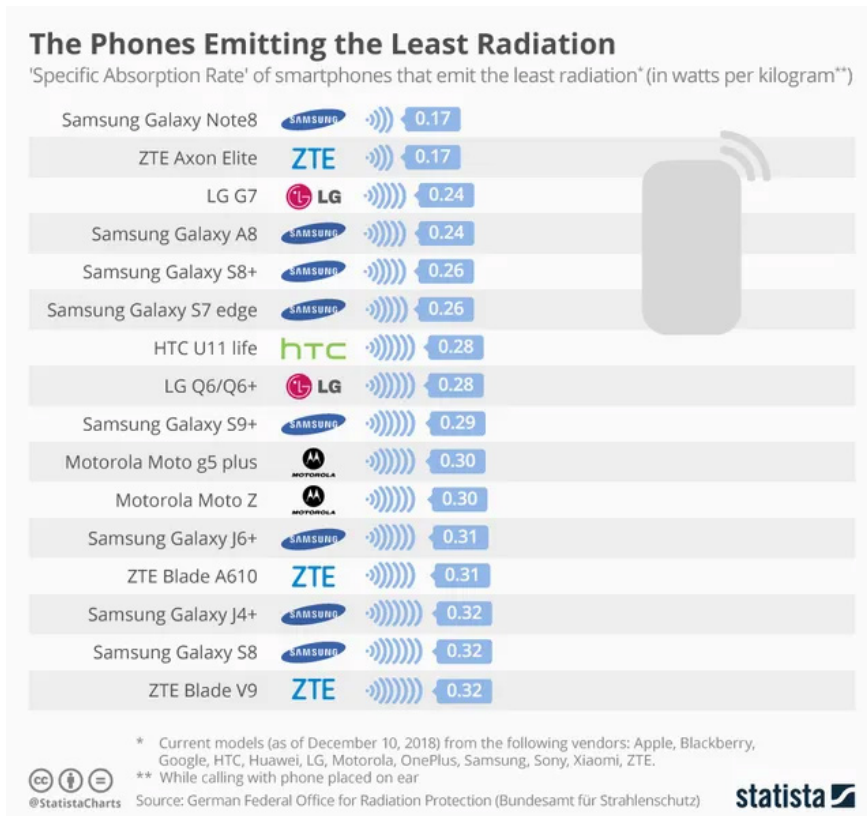
List of 16 smartphones emitting the highest electromagnetic radiation published by BFS.

In the smartphone list that emits the highest electromagnetic radiation of BFS, smartphones from China account for 9 out of 16 devices. In particular, the top 4 products with the highest SAR index are divided equally for Xiaomi and OnePlus, two Chinese smartphone firms. In particular, the title of the highest radiation emitting device currently belongs to Xiaomi Mi A1 smartphone with radiated radiation reaching 1.75 W / kg. Ranked at the second place is OnePlus 5T, with 1.68W / kg radiated radiation, positions 3 and 4 respectively belong to Xiaomi Mi Max 3 (1.58W / kg) and OnePlus 6T (1.55W / kg).

Apple's iPhone is also included in this list with the 8th position belonging to iPhone 7 (radiated radiance of 1.38W / kg) and 14th place is iPhone 8 (radiated emission of 1.32W / kg).

Google also contributes two products, Pixel 3 XL, with a radiation level of 1.38W / kg, ranked at the 7th position and Pixel 3 in position 12 with a radiation level of 1.33W / kg.

Also in the list of smartphones with the lowest radiation level, Samsung dominates when there are 8/16 smartphone models present. The current low-radiation smartphone also belongs to the Korean smartphone company, which is Galaxy Note8 with 0.17W / kg.



The smartphone has the lowest level of electromagnetic radiation today.

It is worth noting that in the list of the top 16 smartphones emitting the lowest radiation currently does not include any products from Apple.

Currently, there is no specific information on the level of radiation safety emitted from smartphones. However, The Blue Angel of Germany recommends that smartphones with radiation levels lower than 0.6 watts / kg are safe to use.

Note: The radiation level figures emitted from smartphones only stop at the reference level. It is not possible to confirm that high-radiation smartphones are more dangerous for users.

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