

Top smartphones emit the most dangerous radiation today

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What is radiation on phones?

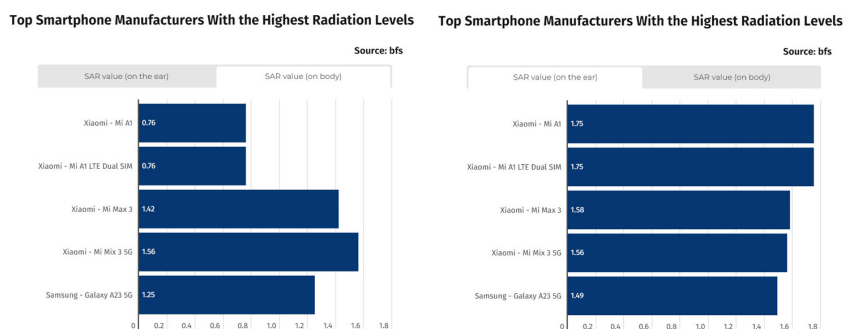
Smartphones rely on radio frequency (RF) waves to transmit and receive signals. These waves emit a certain level of radiation called smartphone radiation emission.

To understand the potential risks of smartphone radiation, we use Specific Absorption Rate (SAR), a scientific measurement that quantifies the rate at which your body absorbs your smartphone's RF energy. It is expressed in watts per kilogram (W/kg).

Regulatory agencies such as the Federal Communications Commission (FCC) in the US and the European Commission set SAR limits for smartphones to ensure RF exposure is within a safe range for users.

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A recent report by Stocklytics shows something worrying: smartphone radiation levels are increasing.



Xiaomi Mi A1 emits significantly high radiation of 1.75 W/kg (ear) and 0.76 W/kg (body), is the smartphone emitting the most dangerous radiation today.

Xiaomi's Mi Max 3 series ranks 2nd on the list with 1.58 W/kg (ear) and a worrying 1.42 W/kg (body) for the model without 5G.

Samsung A23 5G surprised many people with a SAR level of nearly 1.5 W/kg for both ears and body.

Even the company's popular folding screen smartphone models, such as the Galaxy Z Fold 4 and Z Fold 5, have quite high radiation levels such as the Z Fold 4 reaching 1.30 W/kg (ear) and 1.51 W/kg. (body) surprisingly. And the Z Fold 5 is at 1.24 W/kg (ear).

The report also shows that, with a wider frequency range, 5G raises concerns about the possibility of higher radiation emissions from smartphones. Therefore, manufacturers need to prioritize secure design practices as 5G becomes increasingly popular.

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