

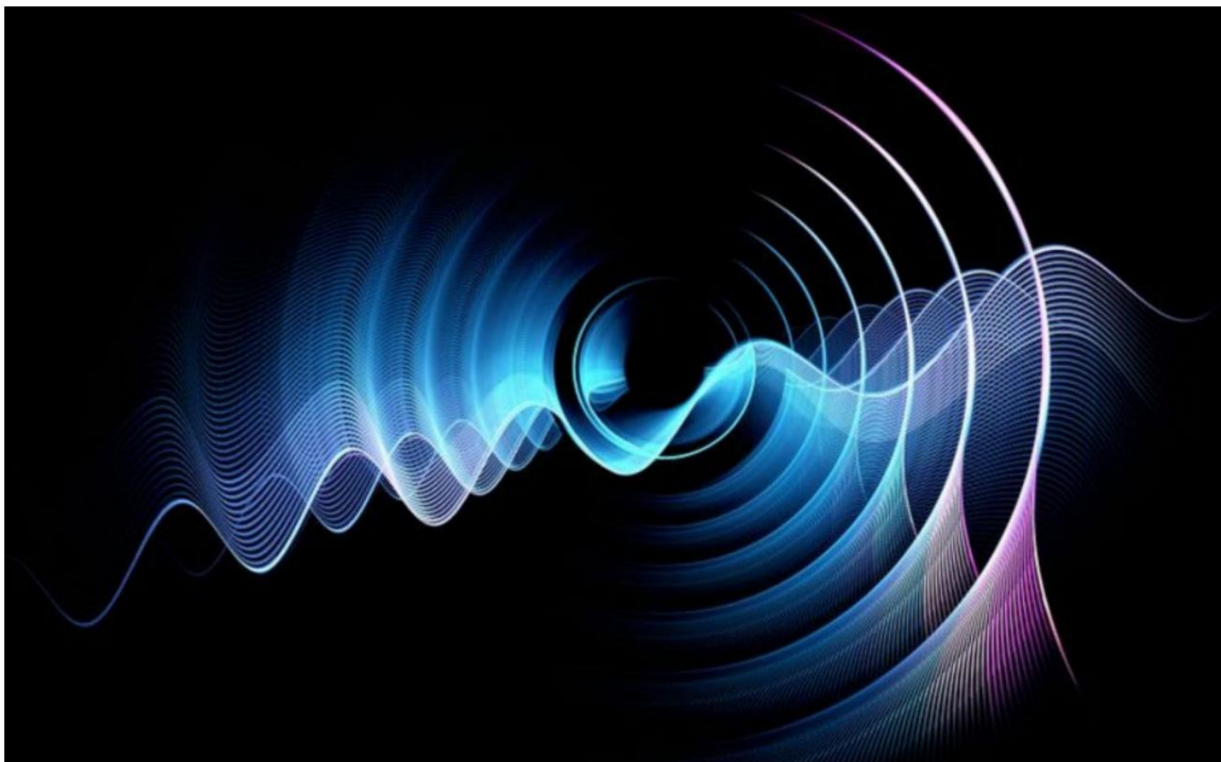


5G smartphones: here's why user health is not guaranteed!

By: [Phonegate Team](#) • April 18, 2023

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We have already stressed on numerous occasions that **the SAR (specific absorption rate) does not in any case offer sufficient protection** and that **its standards, both European and international, have allowed the mobile telephony industry to overexpose all the mobile phone users for 30 years, prioritizing terminal connectivity over public health.**

However, the National Frequency Agency (**ANFR**), far from calling into question the use of this indicator, intends to further maintain the confusion by adding two additional ones: the DPI (Incident Power Density) and the DPA (Absorbed Power Density).

And three indicators...to completely lose the

consumer

The DPI (Incident Power Density) and the DPA (Absorbed Power Density) – measured in W/m² – would thus be added to the SAR – measured in W/kg – for 5G frequencies in the 26 GHz band (millimeter waves).

More worrying...

On a metrological level, all this is done without taking into account the current impossibility of reliably measuring the consequences of the combined emissions of different technologies and different on-board radio frequency transmitters, the interactions of the different frequency antennas supposed to cohabit within a millimeter 5G smartphone (2G, 3G, 4G, 5G Wifi, etc.), the evaluations being carried out with different units of measurement and regulatory thresholds which have not yet been made public for the two new indicators!

In what other area are health impacts measured using such imprecise elements? We wonder about the real strategy carried out by **the ANFR** and beyond by the French and European public authorities: we would like to drown the consumer in the middle of a flood of unreadable data that we would not do otherwise.

Once again, the protection of the health of mobile phone users seems relegated to the background, as illustrated in the spring [by the failure to take into account our comments during the public consultation carried out by the National Health Security Agency of Food, Environment and Work \(ANSES\)](#) regarding the limits linked to measuring the exposure of 5G smartphones.

We subsequently, in August 2022 and with two other associations, filed a contentious appeal, currently under examination, before the Administrative Court of Melun.

Even more worrying...SPEAG, a controversial company and manager

A new measurement bench was therefore acquired by **the ANFR**, aiming to provide the agency with a means [of evaluating incident power density \(DPI\) and absorbed power density \(DPA\)](#). This purchase, worth €700,000, was made from the company **SPEAG**, the only applicant for the call for tenders issued by **the ANFR**.

Phonagate Alert knows this company well.

It is a Swiss structure which benefits from an almost monopolistic position on the DAS test bench market. For 30 years, it has obstructed all

innovations and technical and normative developments potentially unfavorable to the interests of manufacturers.

Its President, **Niels Kuster**, has his share of responsibility in the Phonegate scandal because, as a scientist/expert, he knows that the measurements carried out by his equipment, sold to approved laboratories, only protect the wallets of cell phone manufacturers and certainly not the health of users.

Thus, **Niels Kuster** has repeatedly highlighted the problem of exposure limit values in some of his research work, such as in 2015 in an article published in *Electromagnetics* :

“This calls into question the applicability of these in vitro studies conducted at SAR values that are much smaller than realistic maximum exposures, many of which reported no or minimal effects in an assessment realistic risks. In order to overcome this problem, in future in vitro assays, studies should include SAR culture levels that extend to more than 20W/kg...”

But this alert did not lead to any convincing results with the various agencies and public authorities. It is also in his country, Switzerland, that **the authorities always seem the most reluctant to tackle the problem**. The latter confirmed very recently to **Alerte Phonegate** that there was no regulation or protection of the health of mobile phone users in Switzerland.

“We TOTALLY don’t care about the health of cell phone users”

For **Dr Marc Arazi**, president of the **Alerte Phonegate** association at the origin of the revelations surrounding this major health and industrial scandal:

“We don't care about the health of mobile phone users. The SAR, an indicator usually used to measure the degree of exposure to cell phone waves, is a poor reference, not respected by manufacturers in the sector and incomprehensible to most people. By adding new, equally incomprehensible indicators, rather than putting in place truly protective standards, the ANFR and the public authorities are maintaining confusion which once again benefits companies in the sector to the detriment of our health. ”.