

Reference: 02071431

Information Requests
information.requests@ofcom.org.uk

30 September 2025

Freedom of Information request: Right to know request

Thank you for your request for information concerning 5G & EMF emissions.

We received this request on 1 September 2025. We sought clarification of your request on 2 September 2025 and we received clarification the same day. We have considered your request under the Freedom of Information Act 2000 (“the FOI Act”) and the Environmental Information Regulations 2004 (the “EIR”).

Your request

I request any held data, reports, risk assessments, or internal communications from 2016–present regarding:

- 1. The density and proximity of 5G towers and smart infrastructure within [Insert postcode / estate name – e.g., St Ives Estate, Cambs].*
- 2. Any known or recorded concerns raised regarding EMF exposure affecting animal health or behaviour in this location or others with similar EMF saturation.*
- 3. Testing data or exposure modelling related to electromagnetic saturation in residential areas, particularly those with elevated 5G, Wi-Fi, or IoT infrastructure.*

Clarified as:

1. Density and Proximity of 5G Towers

This request is not limited to one estate or postcode. Please provide data for all areas under your authority’s jurisdiction, including residential estates, schools, and other community sites.

2. Concerns Regarding EMF and Animal Health

Please include any known or recorded concerns, complaints, or reports regarding EMF exposure affecting animal health or behaviour across your entire jurisdiction, not just limited to a single postcode or estate.

3. Testing Data or Exposure Modelling

Please provide any available testing data, monitoring reports, or exposure modelling related to electromagnetic saturation in residential areas within your jurisdiction, particularly those with elevated levels of 5G, Wi-Fi, or IoT infrastructure.

Our response

1. *Density and Proximity of 5G Towers*

Our most recent [Connected Nations report](#) provides information on the number of mobile masts/sites that are 5G enabled and the associated coverage. 5G coverage at local authority levels can be found in our open data files; the latest data can be found [here](#). We have not conducted a proximity/density analysis and therefore do not have this information available.

2. *Concerns Regarding EMF and Animal Health*

Some people have raised concerns about this topic in previous FOI requests. These are published on our [website](#). For example, please see the following FOI responses:

[EMF Exposure for plants and animals](#), [5G transmitters and receivers in Stockport](#) and [Masts in south oxfordshire](#).

3. *Testing Data or Exposure Modelling*

Ofcom carries out unannounced tests of EMF levels around radio transmitters, including mobile phone masts, and can take [enforcement action](#) against spectrum licensees if they produce EMF at levels above those set out in the ICNIRP Guidelines. These measurements are published on our [website](#).

Since 2020, we have focused on taking measurements near to 5G-enabled mobile phone base stations. The measurements include all transmissions across the frequency range 420 MHz to 6 GHz and, as such, would also capture any Wi-Fi or IoT transmissions in the area of the measurement. All measurements to date over many years have shown that EMF levels are well within the internationally agreed levels in the ICNIRP Guidelines.

If you have any further queries, then please send them to information.requests@ofcom.org.uk – quoting the reference number above in any future communications.

Yours sincerely,

Information Requests

Request an internal review

If you are unhappy with the response you have received to your request for information, or think that your request was refused without a reason valid under the law, you may ask for an internal review. If you do, it will be subject to an independent review within Ofcom. We will either uphold the original decision, or reverse or modify it.

If you would like to ask us to carry out an internal review, you should get in touch within two months of the date of this letter. There is no statutory deadline for us to complete our internal review, and the time it takes will depend on the complexity of the request. But we will try to complete the review within 20 working days (or no more than 40 working days in exceptional cases) and keep you informed of our progress. Please email the Information Requests team (information.requests@ofcom.org.uk) to request an internal review.

Taking it further

If you are unhappy with the outcome of our internal review, then you have the right to [complain to the Information Commissioner's Office](#).