

Reference: 1694203

Information Rights  
Information.requests@ofcom.org.uk

7 November 2023

## Freedom of Information: Right to know request.

Thank you for your request for information about transmitter power.

We received this request on 10 October 2023 and have considered it under the Freedom of Information Act 2000 ("the Act").

### Your request

*I am a retired EMC engineer but have become involved in an RF exposure incident which occurred around August/September 2021. A "roofer" working at St Mary's Church in Chigwell was exposed to NIR for many hours whilst working 1m from the microwave transmitters located in the church tower. I personally measured the RF field strength in Volts/metre but need to correlate this with theory by obtaining the transmitter powers. Several frequency bands were active. The gentleman involved suffered various symptoms in the first 6 months but they subsided. They have returned and are severe. He needs medical attention but I want to brief the consultants on the level of overexposure (ICNIRP guidelines) and generally on the background to this case. This may allow the consultant to bring on board more related expertise to ascertain if RF exposure is or is not the cause of his malaise. MAstData do not have the transmitter powers, I would be most obliged if you could provide me with this information.*

*The transmit frequencies are approximately 800MHz, 920MHz and 2060MHz.*

### Our response

We have investigated your request, and we can confirm we do hold some information on the transmitter power at this site. The values (in dBm) are:

800MHz: 56.95

900MHz: 48.69 to 57.69

2000MHz: 65.49

We asked the relevant mobile network operator(s) to collect this information on 2 May 2023 and it should therefore be accurate as at that date. The relevant MNO(s) may however have subsequently changed the configuration of their networks and sites. We cannot guarantee the accuracy of the data supplied to us in terms of any errors or omissions

For each frequency band at the site, we have provided the power information provided to us by the UK mobile network operator(s). The power is provided as the equivalent isotropically radiated power (EIRP) in units of decibels relative to a milliwatt (dBm).

For further assistance, you may wish to contact the Health and Safety Executive [HSE: Information about health and safety at work](#) who are responsible for the protection of workers from EMF.

I hope this information is helpful. If you have any further queries, then please send them to [information.requests@ofcom.org.uk](mailto:information.requests@ofcom.org.uk) quoting the reference number above in any future communications.

Yours sincerely,

Information requests

If you are unhappy with the response you have received in relation to your request for information and/or consider that your request was refused without a reason valid under the law you may ask for an internal review. If you ask us for an internal review of our decision, it will be subject to an independent review within Ofcom.

The following outcomes are possible:

- the original decision is upheld; or
- the original decision is reversed or modified.

#### **Timing**

If you wish to exercise your right to an internal review **you should contact us within two months of the date of this letter**. There is no statutory deadline for responding to internal reviews and it will depend upon the complexity of the case. However, we aim to conclude all such reviews within 20 working days, and up to 40 working days in exceptional cases. We will keep you informed of the progress of any such review. If you wish to request an internal review, you should contact [information.requests@ofcom.org.uk](mailto:information.requests@ofcom.org.uk).

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. Further information about this, and the internal review process can be found on the Information Commissioner's Office [here](#). Alternatively, the Information Commissioner can be contacted at:

Information Commissioner's Office  
Wycliffe House  
Water Lane  
Wilmslow  
Cheshire  
SK9 5AF