



By email

brian@innovisions.co.uk

Our ref: 29/08/fb/535

20 September 2019

Dear Mr Mooney

Re: Environmental Impact Assessment or health impact studies

Thank you for your email dated 29 August 2019. In accordance with Section 1(1)(a) of the Freedom of Information Act 2000 (the Act), I can confirm that Public Health England (PHE) does not hold the information you have specified.

I have addressed your request in the order raised:

Please provide under the Freedom of Information Act

- a. *Any Environmental Impact Assessment or health impact studies carried out for the 5G roll out, which is nominally targeted to complete around 2027.*

PHE does not hold information about any impact assessment or health impact studies that are being carried out specifically for the 5G rollout; however, the health impact of electromagnetic fields is considered by various authoritative scientific bodies across the entire radio frequency spectrum, which includes 5G frequencies - more information is available in the attached RF Advice Summary document.

- b. *Calculations projected for the fully rolled out 5G system including the number of cell towers envisaged for the UK, the total level of radiation emitted by them (peak and constant), the number of other UK terrestrial transmission devices, such as lamp posts with phased arrays/antennae, the total level of radiation emitted by them (peak and constant), the number of satellites servicing the UK, the total level of radiation emitted by them towards the UK (peak and constant).*

Information is not held on these matters; however, PHE has produced a 5G briefing note, which is attached with this response. Whilst a small increase in overall exposure to radio waves is possible when 5G is added to an existing network, or in a new area,

the overall exposure is expected to remain low and well within the recommended exposure guidelines.

If you have any queries regarding the information that has been supplied to you, please refer your query in writing in the first instance. If you remain dissatisfied and would like to request an internal review, then please contact us at the address above or by emailing foi@phe.gov.uk.

Please note that you have the right to an independent review by the Information Commissioner's Office if a complaint cannot be resolved through the PHE complaints procedure. The Information Commissioner's Office can be contacted by writing to Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

Yours sincerely,

FOI Team