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To Whom It May Concern:

**UK Parliament Committees, Broadband and the road to 5G Inquiry**

The UK EM Radiation Research Trust (RRT) charity was established in 2003.  We are leading supporters of the precautionary approach to electromagnetic radiation. The aim of the charity is to provide the facts about electromagnetic-radiation and our health to the public, media and officials. We are indebted to independent scientific, public health, technical and legal advisors.

The EM Radiation Research Trust are calling for an outright ban for untested and unregulated 5G technology in response to the UK Government’s Broadband and the road to 5G Inquiry. <https://committees.parliament.uk/work/89/broadband-and-the-road-to%205g/?fbclid=IwAR0xaGj3DsLu5Y7Zn_afHODTXnQdMNdWwsPenozPZesfo9XHeLhRZzjws2Q>

The rollout of 5G in the UK will dramatically increase the number of radiofrequency transmitters, leading to an increase in microwave radiofrequency exposures for the public, pollinating insects and other wildlife.

The EM Radiation Research Trust is deeply concerned with regards to radiofrequency fields and the negative impact on the immune system especially during this time of global crisis with the threat of the coronavirus epidemic. We would like to draw your attention to peer-reviewed published research of radiofrequency fields on the immune system. Download here:

<https://drive.google.com/file/d/1qKFa-XOVsytpZh8VwVTEXmPq7jkw3nqr/view?fbclid=IwAR0yZbM3ZnuVHpEVqrdsvnW1iiIch4J52vwZNEjYKuZOHte5lz1EYu_2SSM>

The pubic requires guidance, protection and answers. Wireless radiation exposures need to be reduced as a matter of urgency starting with recommendations to hardwire hospitals, homes, schools and reduce the use of mobile phones, wifi and the Internet of Things etc. The deployment of additional frequencies must be stopped until we can find a safer way forward.

Harmful effects of microwave radiofrequency signals below the current International Commission on Non-Ionizing Radiation Protection (ICNIRP) guidelines have been well documented in the scientific literature.  These included damage to fertility, development, behaviour and increased cell death.  Radiofrequency signals were classified as a possible human carcinogen in 2011 by the World Health Organization International Agency for Research on Cancer.  The evidence of increased cancer risks has since been strengthened by further human studies, as well as toxicology studies in animals, which demonstrated clear evidence of tumours (US National Toxicology Program and the Italian Ramazzini Institute study).  Despite this, the Government is racing ahead with 5G rollout and the involuntary irradiation of the whole UK population.

The UK Radiation Research Trust call on the UK Parliament members to consider the health and wellbeing of the public and the environment as a matter of urgency and plan for a safer way forward. We are calling for fibre optic wired technology for our homes, hospitals, workplace and our schools.

Members of Parliament under the Code of Conduct of Parliament are responsible for their constituents and the public at large by establishing the standards and principles of conduct expected of all Members in undertaking their duties. Members have a duty to uphold the law, including the general law against discrimination. They have a duty to act in the interests of the nation as a whole; and a special duty to their constituents. Members should act on all occasions in accordance with the public trust place in them. Holders of public office have a duty to declare any private interests to their public duties and to take steps to resolve any conflicts arising in a way that protects the public interest. **The Code of Conduct for Members of Parliament**: [**https://publications.parliament.uk/pa/cm201012/cmcode/1885/188502.htm**](https://publications.parliament.uk/pa/cm201012/cmcode/1885/188502.htm)

The introduction of 5G throughout the UK will add to the discrimination against those who are currently suffering with electrosensitivity (ES).  What sort of society are we consigning those who are suffering with ES to live their lives in pain, enforced poverty and isolation?   How will people suffering with ES survive in a world saturated with 5G?  There will be no place to hide. Members of Parliament have a duty to uphold the law, including the general law against discrimination.

Many scientists have called for action to better protect the public, including:

1) The International EMF Scientist Appeal to the United Nations ([www.emfscientist.org](http://www.emfscientist.org))

2) Rejection of the current ICNIRP guidelines for not being protective of health ([www.emfcall.org](http://www.emfcall.org) )

3) Halting the 5G rollout until adequate safety studies have been done. ([www.5Gappeal.eu](http://www.5Gappeal.eu)).

Why is there no safety testing before the rollout of 5G throughout the UK and who is responsible?  Pre-market safety testing for new food and medicines are required before release for public consumption and are not allowed to be marketed if they fail animal toxicity tests. The whole UK population will be exposed to untested and unregulated radiation which they will absorb into their bodies and without any public agreement.

The UK Government and Public Health England’s misuse of ICNIRP is the primary issue. ICNIRP as a ‘certificate of safety’ does not provide any level of protection for industry or government decision makers. Previous Chairman for ICNIRP Paolo Vecchia presented at the EM Radiation Research Trust conference in September, 2008. In his presentation, he made it very clear that: “**the ICNIRP guidelines are neither mandatory prescriptions for safety, the “last word” on the issue nor are they defensive walls for Industry or others**.” This statement makes it clear that the decision to adopt these guidelines into national legislation as “sufficient to protect public health” is political. Go to slide number 16: <https://www.radiationresearch.org/wp-content/uploads/2018/06/021145_vecchia.pdf>

A recent successful Italian court case confirmed mobile phone exposure caused a head tumour. The verdict highlights the fact that ICNIRP is a private organisation whose guidelines on radio frequencies has great economic and strategic importance for the telecom industry, with several ICNIRP members having links through consultancy relationships and potential links with the industry and should therefore refrain from assessing the health effects of radio frequency levels. 5G is also mentioned “**5G is a slap on the face of democracy, of our data security, of our personal safety, with the risk of increase in exposure limits.” Download English Summary here:**

<https://www.radiationresearch.org/wp-content/uploads/2020/01/Turin-Verdict-ICNIRP_Judgment-SUMMARY-of-the-Turin-Court-of-Appeal-9042019_EN-min.pdf>

A report written by Professor Tom Butler holds significant implications for the 5G project.  The paper highlights the most recent published research and delves into past historic papers on RF/EMF radiation.   Please take time to read and understand the potential effect of electromagnetic pollution for public health and the environment. This issue has caused increased concern around the world for the future of humanity.  Download the paper here:  <https://www.radiationresearch.org/wp-content/uploads/2019/10/On-the-Clear-Evidence-of-the-Risks-to-Children-from-Smartphone-and-WiFi-Radio-Frequency-Radiation-Final-2019.pdf>

We are also concerned for our freedom and control.  Our own Prime Minister Boris Johnson presented a speech about the ‘Internet of Things’ at the United Nations Assembly on 24th September, 2019 and said: “We need to find the right balance between freedom and control; between innovation and regulation; between private enterprise and government oversight. We must insist that the ethical judgements inherent in the design of new technology are transparent to all. And we must make our voices heard more loudly in the standards bodies that write the rules. Above all, we need to agree a common set of global principles to shape the norms and standards that will guide the development of emerging technology.”  Download the full transcript here: <https://www.gov.uk/government/speeches/pm-speech-to-the-un-general-assembly-24-september-2019>

The clock has now started ticking on liability. Swiss Re Group is one of the world’s leading insurance providers and recently rated 5G as a “high impact” risk affecting property and casualty claims within 3 years.    Download the Swiss Re report here: <https://www.radiationresearch.org/articles/swiss-re-rated-5g-high-impact/?fbclid=IwAR1asU6TTPcTR1uZEaswbl9hppH_3oliIKO0GoMJimoFvk4B5PsbK73Fk-4>

We call on the UK Government to act with integrity according to the Parliamentary Code of Conduct and ask you to honour your Oath of Office to uphold the law against discrimination against those who are suffering with electrosensitivity and to protect our children. It is time to resolve this conflict in order to protect the health and wellbeing of the public from irradiation.

Sincerely,

**Eileen O’Connor**

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Director

EM Radiation Research Trust

[www.radiationresearch.org](http://www.radiationresearch.org/)



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