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22nd June 2022

To Whom It May Concern:

EM Radiation Research Trust response to the DCMS Inquiry – Connected tech: Smart or Sinister?

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. The RRT is supported by independent doctors, scientists and concerned citizens from throughout the world.

The EM Radiation Research Trust is responding to the Government's Call for Evidence into the inquiry - connected tech smart or sinister?

<https://committees.parliament.uk/work/6686/connected-tech-smart-or-sinister>

Civil liberties are basic rights and freedoms granted to citizens of a country through national common or statute law. They include freedom of speech, freedom of movement, freedom from arbitrary arrest, freedom of assembly. We are concerned for civil liberties and our freedom which should be protected. The right for privacy should not be for sale. The EM Radiation Research Trust is also concerned for public health.

Our own Prime Minister Boris Johnson presented a speech about the 'Internet of Things' at the United Nations Assembly on 24th September 2019. He raised concerns about a future with technology keeping every citizen under round-the-clock surveillance and nowhere to hide. Smart cities will pullulate with sensors, all joined together by the "internet of things," bollards communing invisibly with lamp posts and connectivity will be in every room with almost every object monitoring every activity. He 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>

In June 2008, the Rt Hon David Davis MP, Shadow Home Secretary from 2003 resigned from his position in parliament triggering a by-election to spark public debate about the loss of civil liberties in the UK. He used the byelection to fight against the strangulation of British freedoms by the government. David Davis highlighted the importance of the Magna Carta, a document that guarantees the fundamental element of British freedom, habeas corpus. The right not to be imprisoned by the state without charge. He drew attention to the fact that we will have the most intrusive identity card system in the world. A CCTV camera for every fourteen citizens, a DNA database bigger than any dictatorship, with thousands of innocent children and millions of innocent citizens on it. He talked of a coming justice system, which will make our system neither firm nor fair and a creation of a database exposing our personal data to careless civil servants and criminal hackers. A state with security powers to clamp down on peaceful protest and so-called hate laws to stifle legitimate debate, while those who incite violence get off scot-free. He said: "This cannot go on, it must be stopped, and for that reason today I feel it is incumbent on me to take a stand." He called this one of the most fundamental issues of our day with ever-intrusive power of the state on our lives, the loss of privacy, the loss of freedom and a steady attrition undermining the rule of law. David Davis went on to regain his seat and continues to work as an MP in Parliament. Here is the text to his historic speech reported by the Guardian newspaper:

<https://www.theguardian.com/commentisfree/2008/jun/12/speeches>

The public are now hearing chilling reports painting a dark future taking individual autonomy away in favour of tyrannical control. The recent World Economic Forum members talked about using smart technology built into clothing and directly into our body. The CEO for Nokia Pekka Lundmark released information at the 2022 Davos meeting claiming that smartphones will be within our bodies by 2030 and there will be no need to carry a mobile phone. Download the article by Children's Health Defense highlighting the recent WEF's scary ideas for the future:

<https://childrenshealthdefense.org/defender/wefs-scary-ideas-future-cola/>

Yuval Noah Harari, lead advisor to Klaus Schwab has made a number of shocking statements saying: "Humans are now hackable animals. The whole idea that humans have this 'soul' or 'spirit,' and nobody knows what's happening inside them, and they have free will – that is over." What gives anyone the right to constantly monitor a fellow human being with desires to monitor our very thoughts and what is happening inside our body?

The WEF's founder and chair Klaus Schwab told Harvard's John F. Kennedy School of Government in 2017. "What we are very proud of, is that we penetrate the global cabinets of countries with our WEF Young Global Leaders." This is a claim made by an unelected man who does not represent the British public values for freedom and fairness and appears to be trying to shape the future of this country and the world with claims of infiltrating many governments. Does the UK Government represent the British electorate and will the government honour and value the memories of brave service men and woman who fought for our freedom or are they representing the World Economic Forum?

The UK should not follow a smart tech control system like those promoted by the WEF or China. We do not want a system that uses information to exploit the data gathering process inflicting control over society and requesting QR codes to access facilities and even freezing bank accounts. Harvesting and controlling information and money is sinister to the extreme. We have witnessed acts of cruelty, inhuman and degrading treatment of innocent people with so called Western countries following the Chinese model. Justin Trudeau faced fierce criticism after invoking the emergencies act to take control over the trucker's protest in Ottawa. Trudeau froze bank accounts and used extreme force to crackdown on peaceful protestors. The Canadian Civil Liberties

Association initiated legal proceedings against Trudeau, and he has since faced fierce condemnation including criticism from members of the European Parliament, including Christine Andersen MEP at the European Parliament Plenary Session on 23rd March 2022. Christine Andersen called him “a disgrace to democracy and a prime minister who openly admires the Chinese dictatorship, who is violating fundamental rights by persecuting and criminalising his own citizens as terrorists simply because they stood up to his twisted idea of democracy, should not address this, Parliament.” The Chinese system does not belong in the UK.

Furthermore, introducing microchips, digital passports for QR codes 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 this technology? There will be no place to hide. The public will have no alternative than to seek compensation. Recently, a 59-year-old social worker won ‘early ill health retirement’ for disabling ‘Electromagnetic Hypersensitivity (EHS)’. The press release by PHIRE said: “EHS is a multisystem medical condition characterised by physical symptoms such as headaches, sleep disturbance, dizziness, palpitations, skin rashes and multiple sensory up-regulation associated with anthropogenic NIR exposure. Similar constellations of symptoms may also be seen in the general population in cases of high exposure.” Download here: <https://phiremedical.org/wp-content/uploads/2022/06/Press-Release-EHS-Social-Worker-granted-long-term-ill-health-pension-UK-Named.pdf>

Health is another serious consideration with the introduction of the Internet of Things. Sadly, the UK Government continues to ride roughshod over public opposition with the relentless release of more frequencies following the recent launch of the £1 billion shared rural network deal to build 5G throughout the countryside. Relaxing planning laws for existing masts to upgrade to 5G and to allow the increase in height of masts up to twenty-five metres, with new masts to be built to a maximum of thirty metres, along with a host of smaller masts up to six metres in height above buildings. Councils are encouraged to allow curb side infrastructure, such as antenna attached to lampposts and bus shelters and all without prior approval to accelerate network upgrades with an aim to provide 5G coverage for the majority of the UK population by 2030. <https://www.gov.uk/government/news/new-laws-to-end-mobile-coverage-no-bar-blues>

The Government ignores the fact that a landmark UK legal ruling in November 2021 took place at the Planning Court, Queen’s Bench Division, High Court of Justice, London with campaigners successfully claiming against Brighton and Hove Council with Hutchison 3G as the interested party. The Honourable Mr Justice Holgate overturned the local authority approval for the 5G mast to be sited close to a primary school. The ruling found that the Council “failed to address the health impacts” of the mast. The Council was ordered to pay the claimants costs to the agreed sum of £13,340. This finding has significant implications for all councils dealing with 5G applications, it means there is a legal responsibility to investigate effects on health. <https://rfinfo.co.uk/wp-content/uploads/2021/11/Consent-Order-02.11.21.pdf>

And yet, thousands of antennas and phone masts are still being deployed in heavily populated areas to advance the internet of thing, allowing thousands of devices to connect to the network with a drive towards smart city applications. The only compliance necessary according to the UK Government is a statement that self-certifies that the ICNIRP guidelines are met. <https://www.gov.uk/government/publications/mobile-phone-base-stations-radio-waves-and-health/mobile-phone-base-stations-radio-waves-and-health>

The UK ICNIRP guidelines are based on the same principle as the US standards and only protect against short-term, heating effects of radiation and not the long-term biological effects. On Friday 13th August 2021 in the USA Robert F. Kennedy's Children's Health Defense (CHD) and the Environmental Health Trust successfully sued the FCC in a historic lawsuit against the FCC for ignoring 11,000 pages of scientific and medical evidence showing biological effects, so we can no longer rely on industry assurances of safety. <https://ehtrust.org/environmental-health-trust-et-al-v-fcc-key-documents/>

The Previous ICNIRP Chairman Professor Paolo Vecchia presented a statement about the ICNIRP exposure guidelines at the EM Radiation Research Trust 2008 EMF conference at the Royal Society in London. Slide number 16 states: " What they are not ": "They are not mandatory prescriptions for safety", "They are not the 'last word' on the issue", and "They are not defensive walls for industry or others". https://www.radiationresearch.org/wp-content/uploads/2018/06/021145_vecchia.pdf

Bioeffects have clearly been established to occur with very low exposure (non-thermal levels) to electromagnetic fields and radiofrequency radiation according to many doctors and scientists. The BioInitiative Working Group reviewed thousands of peer reviewed scientific papers. This group of experts calls for the precautionary approach and urgent action due to chronic EMF-related diseases that are a potential risk for everyone. These diseases include adverse effects on the central nervous system, cancer, both initiating and promoting effects, impairments of certain brain functions, loss of memory and cognitive function, infertility, and immune dysfunction. <https://bioinitiative.org/>

Radiofrequency signals were classified as a possible human carcinogen in 2011 by the World Health Organization International Agency for Research on Cancer. IARC classifies Radiofrequency Electromagnetic Fields as possibly carcinogenic to humans. https://www.iarc.who.int/wp-content/uploads/2018/07/pr208_E.pdf

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. Two different institutes with laboratories in different countries, independent of each other and both producing parallel consistent findings, reinforces the validity of these ground-breaking animal studies. An external peer-review panel of eleven scientists complimented the methodology of the NTP study and concluded that the results showed clear evidence of carcinogenic activity.

Clear evidence of cancer from mobile radiation from National Toxicology Program: <https://ntp.niehs.nih.gov/whatwestudy/topics/cellphones/index.html>

Clear evidence of cancer from mobile radiation from the Ramazzini cancer research institute: <https://www.ncbi.nlm.nih.gov/pubmed/29530389>

In addition, one of the world's leading authorities on wireless radiation has documented the risks of 5G radiation in the first book on 5G - **Frequencies used in Telecommunications – An Integrated Radiobiological Assessment**. This ground-breaking book highlights the potential dangers of 5G technology. Written by the late Yuri G. Grigoriev, translated by ORSAA [Oceania Radiofrequency Scientific Advisory Association Inc (www.orsaa.org)] The book can be downloaded for free: <https://www.radiationresearch.org/news/frequencies-used-in-telecommunications-an-integrated-radiobiological-assessment/> (198 page pdf)

Professor Yuri G. Grigoriev (PhD, DMedSci) 1925-2021 Chief Scientific Officer, Laboratory of Radiobiology and Hygiene of Non-Ionizing Radiation, Burnasyan Federal Medical Biophysical Center of the Federal Medical Biological Agency (Russia); Academician, Academy of Electro-Technical Sciences (Russia); Deputy Chair, Bureau of Radiobiology, Russian Academy of Sciences; member of the WHO Advisory Committee (International EMF Project); Member of the Russian Scientific Commission on Radiation Protection; Member of the Russian National Committee on Non-Ionizing Radiation Protection; Member of the International Commission for Electromagnetic Safety.

Grigoriev said: "From our evaluation of the results of preliminary studies on the possible impacts on the health of the population of the 5G MMW-exposures alone, we consider it reasonable to expect the following adverse effects: impacts on normal functioning in the critical organs of the skin and eyes; mediated systemic reactions in the body as a whole; and, most notable, impacts to the nervous and immune systems."

The Science and Technology Options Assessment Committee (STOA) of the European Parliament also published a review in June 2021 "Health impact of 5G. Current state of knowledge of 5G-related carcinogenic and reproductive/developmental hazards as they emerge from epidemiological studies and in vivo experimental studies." The review of research calls for a halt to the expansion of 5G and should be a clear warning for policy makers to put the brakes on. No adequate studies are available on 5G in the higher frequency range (24 to 100 Ghz). Therefore, the review describes 5G as an experiment on the population.

It is worth noting that the \$21 billion reinsurance company Swiss Re Group, which is one of the world's leading reinsurance providers, rated 5G as a "**high impact**" liability risk, citing concerns about its biological effects, and potential claims for health impairments. <https://ehtrust.org/wp-content/uploads/Swiss-Re-SONAR-Publication-2019-excerpt-1.pdf>

Despite this, many cities throughout the UK are racing ahead installing 5G. Liverpool has created the largest 5G mmWave mesh network in the UK and second largest in the world and they claim that they want to impact positively on people's health and wellbeing, reducing digital poverty for vulnerable people in need, including children with the promotion of an interactive app called Chill Panda for their anxiety. Care home residents can receive remote hugs from family, in care homes using the haptic shirt. All this and more from a network that incorporates mmWave 60ghz mesh, bluWireless' mmWave technology combined with wifi, connected to Local Authority backhaul to form the mesh network. No one can say 5G is safe and yet Liverpool council and partners are rolling out 5G while using the area of Kensington as a test bed, increasing the area covered and upgrading the network technology. <https://liverpool5g.org.uk/>

Finally, the public are helping to fund a legal case to challenge the government's failure to listen to public concern. On 25th May 2022 at the Court of Appeal for the Secretary of State to be challenged on the failure to give adequate information to the public about the risks of 5G and to explain the absence of the process of investigation of any adverse health effects. The Court of Appeal has granted permission for the case led by Michael Mansfield QC to proceed on two grounds concerning:

1. "The failure to provide adequate or effective information to the public about the risks and how, if it be possible, it might be possible for individuals to avoid or minimise the risks;
2. (a) The failure to provide adequate and sufficient reasons for not establishing a process to investigate and establish the adverse health effects and risks of adverse health effects from 5G technology and/or for discounting the risks presented by the evidence available; and/or (b) failure to meet the requirements of transparency and openness required of a public body.

These grounds advance a breach of the Human Rights Act 1998 by omissions and failings in violation of the positive obligations to protect human life, health and dignity, required to be met by Articles 2, 3 and/or 8 of the European Convention on Human Rights. The case will now be sent back to the Administrative Court, and we await the directions as to the full hearing in due course.”

<https://actionagainst5g.org/blog/court-appeal-grants-permission-judicial-review/>

Cities such as Liverpool and towns throughout the UK need to urgently address this situation and especially considering the recent legal case won against Brighton and Hove Council with the judge ruling that the Council “failed to address the health impacts” and costs awarded. And with the recent award given to a 59-year-old social worker who won ‘early ill health retirement’ for disabling ‘Electromagnetic Hypersensitivity (EHS). And now the government is facing a legal challenge led by Michael Mansfield QC known as "The king of human rights work" – he is a barrister who is famous for his work in support for the Liverpool fans who were the victims of the Hillsborough disaster. It took decades to uncover the truth, but the truth is known to win in the end.

The UK government are responsible for the involuntary irradiation of the whole UK population and are clearly not representing the public. Many British citizens are living in terror at the thought of 5G landing on their doorstep and living in a prison with QR codes essential for access to society and let us not forget the looming threats from the WEF’s plans to implant microchips within our clothes and bodies.

We call on the UK Government to take the consultation process seriously. Unlike the EU Parliament which appears to have ignored over 400,000 answers to a consultation regarding EU Digital COVID Certificate (QR code). See enclosed Parliamentary question: https://www.europarl.europa.eu/doceo/document/P-9-2022-002036_EN.html

The government consultation opens with a question - Is connected tech: smart or sinister? It is clearly sinister when you consider that science is showing that near field and far field exposure to this form of technology is detrimental for public health and the public also have the right to privacy and the right to freedom.

The Radiation Research Trust has campaigned for years and yet our concerns continue to be ignored by government officials. Do we need to wait for the law to overturn such rulings?

John F. Kennedy quote: “Certain other societies may respect the rule of force—we respect the rule of law.” Source: Address at Vanderbilt University, 18 May 1963

Visit the EM Radiation Research Trust for more information.

Sincerely,

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www.radiationresearch.org

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