



Address: The EM Radiation Research Trust Charity
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From: Eileen O'Connor, Director EM Radiation Research Trust Charity

For the attention of Cllr David King, Colchester Council cldr.david.king@colchester.gov.uk
Cc. Brian Stein CBE Chairman EM Radiation Research Trust

Dear Cllr David King,

I am writing on behalf of the EM Radiation Research Trust after watching a recent video from Colchester Council Watch featuring a presentation from concerned citizens in connection with 5G. Colchester Council appear to accept the **ICNIRP guidelines** as a certificate of safety for 24/7 long term exposure for the entire population and the ecosystem without question

I am the co-founder and Charity Director for the EM Radiation Research Trust from 2003 to date: www.radiationresearch.org , Co-founder and Board member for the International EMF Alliance 2009 to date: www.iemfa.org . I was previously a member of the European Commission Stakeholder Dialogue Group on EMF from 2011 – 2014 and a member of the UK Health Protection Agency Radiation Protection Division EMF Discussion Group from 2006- 2008 Chaired by the previous health Protection Agency Chairman Sir William Stewart. I was a co-founder for (SCRAM) Seriously Concerned Residents against masts 2002 – 2005.

Is ICNIRP responsible? Paolo Vecchia, Chairman for ICNIRP presented at the Radiation Research Trust conference at the Royal Society, London 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. The government’s misuse of ICNIRP is the primary issue. Slide number 16: https://www.radiationresearch.org/wp-content/uploads/2018/06/021145_vecchia.pdf

The ICNIRP guidelines are irrelevant with regards to protecting public health from biological effects and long-term exposure. It is common knowledge, and supported by peer reviewed evidence that this form of radiation and the ICNIRP guidelines raise health & safety concerns, as follows:

- Not suitable for those suffering with Electrosensitivity. [ES-UK-information-leaflet.pdf](#)

- ICNIRP based on thermally heating effects only. <https://www.powerwatch.org.uk/science/intguidance.asp>
- Emit pulsed microwave radiation. [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(00\)03243-8/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(00)03243-8/fulltext)
- Can disrupt and disable medical devices such as pacemakers. (Outside scope of ICNIRP guidelines.) <https://www.icnirp.org/cms/upload/publications/ICNIRPrfgdl2020.pdf>
- ICNIRP's guidelines are based on studies from the 1980's involving 40–60-minute exposures in 5 monkeys and 8 rats. <https://ehjournal.biomedcentral.com/articles/10.1186/s12940-022-00900-9>

Furthermore, advice from the UK May 2000 Stewart Report – People can vary in their susceptibility to environmental hazards. It is not possible at present to say that exposure to RF radiation, even at the levels below national guidelines, is totally without potential adverse health effects, and that the gaps in knowledge are sufficient to justify a precautionary approach. Base stations sited within or near school grounds, should not have a beam of greatest intensity that falls on any part of the school grounds or buildings without agreement from the school and parents. In 2004 Sir William Stewart stated that he believed that the evidence for possible harm had become stronger in the (almost) 5 years since the publication of his original IEGMP Report. He recommended that young people should be encouraged to minimise their use of mobile phones, and that children under 10 years old should not have one.

The EM Radiation Research Trust recently raised concerns about the deaths of two young children in the same school who died unexpectedly with no clear cause at Millstead Primary School, Liverpool.

News headline - **Two schoolchildren, aged 5 and 6, from same Liverpool special needs primary school die after outbreak in classes of giardiasis infection. The UK Health Security Agency says deaths 'unlikely' to be linked to outbreak.** [Two schoolchildren, aged 5 and 6, from same Liverpool special needs primary school die after outbreak in classes of giardiasis infection | Daily Mail Online](https://www.dailymail.co.uk/health/Two-schoolchildren-aged-5-and-6-from-same-Liverpool-special-needs-primary-school-die-after-outbreak-in-classes-of-giardiasis-infection)

The EM Radiation Research Trust have called for an investigation into the 4G-LTE phone mast right next to the school. We recently invited RF-EMF Radiation measurement's expert Glynn Hughes to do preliminary measurements outside the school. Please view the video to see his results. <https://www.youtube.com/watch?v=eP8vnY5e6Z0>

This phone mast is placed in a location right next to **Millstead Primary School, Everton Lliad St, Liverpool L5 3LU** a special needs school for children and next to a block of apartments. Glynn Hughes from EMF Protection recorded **the highest peak reading he has ever taken in the UK at 1,554932 $\mu\text{W}/\text{m}$** using the FM5 meter. The postcode area for the school provides details for a number of telecom operators that are currently using 2G, 3G, 4G, 5G and 5G ultra. Mobile signal coverage here: <https://www.signalchecker.co.uk/>

The peak radiation levels of **1,554932 $\mu\text{W}/\text{m}$** were recorded outside Millstead Primary School which correspond with readings recorded by **Professor Lennart Hardell and Mona Nilsson of the Swedish Radiation Protection Foundation** who previously published seven case reports that include a total of 16 persons aged between 4 and 83 years that developed microwave syndrome within a short time after being exposed to 5G base stations close to their dwellings. Case studies provide details regarding health issues that were assessed for each person. Most prevalent and severe were sleeping difficultly (insomnia, waking night time, early wake-up), headache, fatigue, irritability, concentration problems, loss of immediate memory, emotional distress, depression tendency, anxiety/panic, dysesthesia (unusual touched based sensations),

burning and lancinating skin, cardiovascular symptoms (transitory high or irregular pulse), dyspnea, and pain in muscles and joints. **They reinforce the urgency to inhibit the deployment of 5G until more safety studies have been performed.**

<https://pubmed.ncbi.nlm.nih.gov/38889394/>

The EM Radiation Research Trust invited Mona Nilsson Director for the Swedish Radiation Protection Foundation to provide a comment about the levels of radiation recorded outside Millstead Primary School. She said: “The levels of microwave RF radiation at this school are extremely high and known to cause illness. Children should be protected from harmful radiation not involuntary exposed because of powerful industry’s greed. I recommend a full investigation into the health of all children attending this school and also teachers. Many might be suffering from typical symptoms such as headache, sleeping problems, fatigue from these extreme levels of 5G radiation”.

American Presidential candidate Robert F. Kennedy Jr supported the EM Radiation Research Trust in May 2020 in a letter calling on Boris Johnson and political leaders to protect the public from the proven harms of wireless radiation and 5G. Here is a direct quote from RFK Jr in support of our charity - “Robert F. Kennedy, Jr Chairman of CHD, and Dafna Tachover, Director of CHD’s 5G & Wireless Harms project support the UK EM Radiation Research Trust in their call on the UK Government to defend the rights and health of UK citizens and especially children from Big Telecom’s scheme to rollout 5G. The harms of radiofrequencies and microwave-based technologies have been proven scientifically and the harms are existing and widespread. We work daily with children who have been injured from this technology including from 5G small cell installations. **The UK’s ICNIRP based guidelines, just like the US’s FCC, are decades obsolete and false.** ICNIRP is an industry shell, and its scientists are tainted as has been confirmed by Courts. Robert F. Kennedy, Jr calls on Prime Minister Boris Johnson and political leaders to protect those who have been harmed already by this radiation and prevent further harm. We must stop the uncontrolled proliferation of wireless technology and the on-going deployment of 5G, which will exponentially increase exposure to this harmful radiation and consequently, the sickness of children, adults, and the ecosystem. Details here:

<https://www.radiationresearch.org/news/rfk-jr-joins-em-radiation-research-trust-in-calling-upon-uk-prime-minister-to-halt-5g-deployment-%e2%80%a2-childrens-health-defense/>

Phone masts emit radiation 24/7 and there is no escape. In 2011 the WHO and IARC recognised as a class 2B carcinogen. The same classification as DDT and lead in Petrol. [IARC classifies Radiofrequency Electromagnetic Fields as possibly carcinogenic to humans \(who.int\)](#) Evidence has since increased following the US \$30 million NTP study and the Italian Ramazzini institute ten-year research project that both found **clear evidence of malignant tumours.** Here is important information taken directly from a major telecommunications provider Swisscom patent document:

These findings indicate that the genotoxic effect of electromagnetic radiation is elicited via a non-thermal pathway. Moreover aneuploidy is to be considered as a known phenomenon in the increase of cancer risk. Thus it has been possible to show that mobile radio radiation can cause damage to genetic material, in particular in human white blood cells, whereby both the DNA itself is damaged and the number of chromosomes changed. This mutation can consequently lead to increased cancer risk. In particular, it could also be shown that this destruction is not dependent upon temperature increases, i.e. is non-thermal.

<https://www.radiationresearch.org/research/swisscom-patent/>

The law needs to be taken into account with regards to important UK legal developments in connection with Electrosensitivity. The case, EMAvEast Sussex County Council (Special educational needs) features a child who suffers with electrosensitivity. The Upper Tribunal Judge

Jacobs found that the child should be considered disabled under the Equality Act 2010, and required an Education, Health, and Care Plan (EHCP).

In June 2022, a 59 year old UK social worker won early ill health retirement for disabling Electromagnetic Hypersensitivity (EHS) <https://phiremedical.org/news/>

It's 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>

We call on public officials to listen to recommendations and advice from independent scientists for the prevention, diagnosis and treatment of EMF related health problems and illness. [EUROPAEM EMF Guideline 2016 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses \(degruyter.com\)](https://degruyter.com)

We call on local authorities to prove to us this technology is safe. Thousands of peer reviewed studies show biological harm from 2G, 3G, and 4G at levels BELOW the allowable guidelines, so tell us why this more powerful 5G is being allowed to roll out without objection.

Eileen O'Connor
EM Radiation Research Trust Charity Director