

29 January 2018

Attention: Department For Digital, Culture, Media and Sport,

I write in regard to your Call for Evidence for the Future Telecoms Infrastructure.

I am watching this Call for Evidence with keen interest. I work in healthcare and during my free time, I run a group to educate members of the public regarding the effects of radiation from wifi and mobile masts. I am also a member of the Royal Society of Medicine.

Although I believe technology has the potential to bring economic growth and opportunities to the United Kingdom, there is a long shadow associated with the growing body of scientific evidence relating to long term biological damage to all humans and living organisms from radiofrequency radiation.

5g networks operate in a high frequency band of the wireless spectrum (between 30 GHz and 300 GHz) and the number of wireless transmitters in our communities will increase dramatically. These transmitters will continually send signals to our smart phones, smart appliances, etc and will continually bathe millions of people with radiation, putting all of us at risk of very serious health dangers.

POSSIBLE CARCINOGEN & UNKNOWN HEALTH EFFECTS OF NEW TECHNOLOGY

According to the World Health Organisation's website:

<http://www.who.int/mediacentre/factsheets/fs193/en/> , it is directly cited:

"IARC has classified radiofrequency electromagnetic fields as possibly carcinogenic to humans (Group 2B), a category used when a causal association is considered credible, but when chance, bias or confounding cannot be ruled out with reasonable confidence."

A precautionary approach has been recommended by Sir William Stewart of the UK Health Protection Agency. The Stewart Report describes the operation of mobile phones and reviews recommendations on exposure standards for radio frequency radiation. As cited from The Stewart Report:

6.39 There are additional factors that need to be taken into account in assessing any possible health effects. Populations as a whole are not genetically homogeneous and people can vary in their susceptibility to environmental hazards. There are well established examples in the literature of the genetic predisposition of some groups, which could influence sensitivity to disease. There could also be a dependence on age. We conclude therefore that it is not possible at present to say that exposure to RF radiation, even at levels below national guidelines, is totally without potential adverse health effects, and that the gaps in knowledge are sufficient to justify a precautionary approach.

6.40 In the light of the above considerations we recommend that a precautionary approach to the use of mobile phone technologies be adopted until much more detailed and

scientifically robust information on any health effects becomes available. We further recommend that national and local government, industry and the consumer should all become actively involved in addressing concerns about possible health effects of mobile phones.

Based on The Stewart Report's recommendation, allowing 5g transmitters within close proximity to hundreds of homes, schools and businesses is not a precautionary approach.

VULNERABLE GROUPS AND INTERNATIONAL MOVEMENT

The Stewart Report also discusses 'sensitive' groups that may be more susceptible to radiation absorption. These groups include schoolchildren who are more vulnerable to potential health effects due to longer cumulative radiation exposure and thinner skulls and the elderly. As cited from The Stewart Report:

"1.53...children may be more vulnerable because of their developing nervous system, the greater absorption of energy in the tissues of the head and a longer lifetime of exposure"

Due to radio frequency radiation, wifi is already banned in many primary schools (France, Israel, etc) to protect young children and their developing bodies, based on cutting edge medical research. More and more people are becoming electrically sensitive, and in Norway, this condition is clinically recognised as a disability. In the USA, firefighters have requested mobile phone towers not to be erected on top of their building due to illnesses caused by radio frequency radiation emanating from mobile phone masts.

GOVERNMENT DUTY OF CARE AND COMPENSATION

In 2015, it was evidenced that Lloyd's of London underwriters, CFC Underwriting Ltd, declined to underwrite insurance coverage for claims associated with illnesses caused by continuous long term non-ionising radiation exposure. If radiation from telecom transmitters truly posed no threat to human health, insurance companies would not need to protect their business from this potential future issue.

I hope the UK government will sufficiently consider this point and investigate this fully. Surely the government has a duty of care to safeguard British citizens from ill health or suffering due to radio frequency radiation emanating from 5g and to consider the financial compensation consequences.

PROFITS OVER PUBLIC HEALTH CONCERNS

There are historical lessons to be learnt from the long term exposure of tobacco smoking. When the connection of effects from cigarette smoking and poor health was made in the 1900's, it took over 90 years for legislation to ban smoking in public spaces.

Similar to second hand smoke, everyone's health will be affected by 5g radiation and it will take years for symptoms to develop. Unfortunately, thousands of lives and families have

been devastated by poor health and death due to tobacco smoke, whilst companies raked in the financial benefits of commercial profits at the expense of human health. It is crucial to avoid repeating the same public health mistakes from new technology radiation.

Although there has been some research relating to the heating mechanism of radiation, the understanding of microwave radiation on a human biological level is still in its infancy. The incoming scientific data regarding the hazards of radiation is stacking up, however, we need to minimise the amplified effect of constant daily radiation exposure in our environment, the same way society has learned to reduce exposure to second hand tobacco smoke.

Our human bodies are resilient and capable of repairing itself from external damage, however, our bodies are NOT designed to handle constant, cumulative radiation exposure on a daily basis, with ever increasing radiation from various sources.

TURN BACK TIME

Technology is rapidly becoming integrated into all aspects of our life. If we allow 5g infrastructure to be set up within our society with no protective barriers or measurements in place, it will be extremely difficult to turn back time and to remove the infrastructure that was intended to benefit our lives. The infrastructure will have a life of its own, with many players involved for commercial benefit and unaware of the long term effects on our physiology.

SOLUTIONS

Please consider the following solutions:

A group of 180 scientist and doctors from 36 countries have requested a 5g moratorium:

<http://www.iemfa.org/news/scientists-and-doctors-appeal-for-5g-moratorium-warn-of-potential-serious-health-effects-of-5g/>

Create “White Zones” - Similar to non smoking areas, please create sanctuaries where citizens have a choice to opt out of being around constant radiation. Pass regulations requiring “white zones” around schools, parks and other designated areas.

Please commit to not dismantling copper wired telecom lines to allow people to have a choice of safer technology (wired computers and landline telephones are safer to use).

Encourage companies to develop safer technology or consider other types of technology, such as “LiFi”.

Educate yourself - Watch this documentary: Resonance - Beings of Frequency. This film will change your perspective!

Educate the public - Encourage the public to reduce their technology usage and to turn off wireless technology when not in use to reduce the amount of radiation absorbed into their

body. In California, USA, the California Department of Health has issued a public health warning about the long term effects of technology radiation.

Encourage the public to get a radio frequency meter. Unlike smoking where you can see and smell the smoke, radiation is invisible to the naked eye. It's common knowledge that repeated sunlight radiation is carcinogenic over long term, therefore we protect ourselves by using sunblock or staying out of strong rays to reduce our exposure. Most people currently do not have 5g radiation protection or a way to measure how much radiation they are exposed to on a daily basis.

Be aware of strong telecoms lobbying and political/scientific influence. The telecoms industry is very powerful with finances to propel their agenda for profit. Some research studies are funded by the telecoms industry. The pressure for scientists and researchers to have finding results that favours the telecoms industry is very immense. For unbiased scientific research, it's important to check who funded the research study.

SUMMARY

Future technology has the potential to bring economic growth and opportunities to the United Kingdom, however it is unfair for UK citizens to be exposed to potentially carcinogenic radiation against our will. Using the precautionary principle, I respectfully ask you to launch a full investigation with biological scientists (who are not funded or politically influenced by the telecoms industry) and how the use of this 5g technology could affect UK citizen's long term health.

The Department For Digital, Culture, Media and Sport have the power to change fate and change the lives of millions. History will judge this next chapter of integration between technology with public health and your department is a key player. I know the pressure to move our country into growth and prosperity is immense, however, I hope your department will consider safer technology and measures to protect British citizens from the long term effects of invisible radiation.

Please think about the long term effects of your policy implementation and the "domino" ramification effect. Like the smoking issue, it will be very, very difficult to turn back time and I sincerely hope that the actions of DCMS do not cause harm to you, your family and the citizens of the United Kingdom.

Thank you for your time.