**CONCERNS ABOUT EXISITING WIRELESS TECHNOLOGY AND THE PLANNED 5G ROLL OUT**

1. **INTRODUCTION**

This paper gives an overview of the problems and dangers of current wireless technology use and the even more dangerous 5G which is rapidly being rolled out along with links to many research papers and sites that people should be aware of but are not informed about by the mainstream media. The information here is important to your life and the life of those around you and I would urge you to take the time to review, research and then share.

The paper is split into nine sections:

**1.0 Current Position**

**2.0 The issue with Government and Industry Guidelines and**

**the PHE/AGNIR Safety Standards**

**3.0 Conflicts of Interest**

**4.0 Health effects of RF radiation and biological mechanisms**

**5.0 Exposure Guidelines**

**6.0 5G, an even greater threat**

**7.0 Catastrophic Harm to Wildlife and Pollinators**

**8.0 WiFi in Schools**

**9.0 What’s Wrong with the Green Arguments/Smart Meters**

**10.0 Call to action**

**1.0 CURRENT POSITION**

Existing EMF (electromagnetic frequency) smog created by wireless technology (2G, 3G, 4G, 4G LTE, cell towers, wifi, smart meters, Bluetooth, cordless DECT phones, wireless sensors, baby monitors, Sky Q boxes, Echo’s, smartphones, tablets, laptops, smart TV’s, games consoles, all manner of smart tech and remote controlled devises, driver assisted cars etc.) and now 5G (which will lay the infrastructure to blanket every inch of the country and globe with millimetre waves c.100 times stronger than current levels for even faster download speeds, driverless cars, delivery drones, virtual reality, facial recognition, AI and other, as yet, inconceivable technologies) have already/are being rolled out in the UK and across the world and positioned as safe, environmentally friendly and essential for every area of the economy.

There is a lot of information below but I have tried to summarise some of the key issues relating to existing wireless dangers and the rapid 5G roll out plans and have provided a sample of links referencing the point or providing more information on it. I would encourage you to read through and then do your own research.

When being sold the conveniences of wireless technology (instead of slightly more inconvenient and expensive hardwiring), or being sucked in by the lure of the promises of 5G to provide even faster download speeds and improve your life so you can download a video in 6 seconds with 5G instead of 7 minutes with 4G; have a driverless car, live in a virtual reality; sit on the couch whilst turning your lights and washing machine on and ordering your dinner to come by drone delivery; live in smart cities controlled by facial recognition and enjoy being connected to billions of other devises via the Internet of Things (IoT) and controlled by the cloud…you may want to look at the human and environmental health risks that have already occurred at current levels and what is in store for 5G…and think again.

Is it worth your health and that of your children, grandchildren and the destruction of the environment? **The government guidelines across the world DO NOT protect anyone or any living organism and, with the roll out of 5G (with small cell repeaters planned c. every 2-20 homes and 20,000 satellites planned in space to cover every inch of the globe in super strong 5G signals), this is quickly becoming an international emergency and a crime against humanity and the environment**. Our ignorance and/or buying these devises plus our acceptance of this agenda as ‘progress’ by not challenging the government, councils and industry against our forcible and inescapable exposure to dangerous RF wireless radiation will be our collective downfall.

***“Allowing this technology [5G] to be used without proving its safety is reckless in the extreme, as the millimeter waves are known to have a profound effect on all parts of the human body.”****~ Prof. Trevor Marshall, Director Autoimmunity Research Foundation, California*

**“The plans to beam highly penetrative 5G milliwave radiation at us from space must surely be one of the greatest follies ever conceived of by mankind. There will be nowhere safe to live.”**~ [Olga Sheean former WHO employee and author of No Safe Place](https://olgasheean.com/wp-content/uploads/2016/07/NO-SAFE-PLACE-Letter-to-Gregor-Robertson-240716.pdf)

**2.0 THE ISSUE WITH GOVERNMENT & INDUSTRY GUIDELINES AND PHE/AGNIR SAFETY STANDARDS**

**The International Commission on Non-Ionising Radiation Protection (ICNIRP)** and the **Advisory Group on Non-Ionising Radiation (AGNIR)**, which **Public Health England (PHE)**, government departments and industry steadfastly quote, maintain that there is no ‘convincing evidence’ or that ‘it does not appear’ that exposure to radio frequencies below ‘guidelines’ poses any risk.

These PHE/AGNIR guidelines **have not been updated since 1998** before wireless technology had been prolifically rolled out and **are based SOLELY on ‘*thermal’* (i.e. heating effects) over a short (c. 6 minute) exposure on a fluid filled test dummy.** They are based on the out-dated belief that only acute thermal effects are hazardous and that non-ionising radiation does not have enough power to affect DNA as ionising (nuclear) radiation does. They steadfastly maintain that there is no issue whatsoever with non-ionising radiation except a potential heating effect at high enough densities (e.g. your microwave oven heats you up but your wifi is miraculously safe at a lower power, both of which operate on 2.4 GHz spectrum).

**These guidelines DO NOT take any of the following into account:-**

* The non-thermal effects of RF radiation. These effects take place at levels way below recommended guidelines.
* Any effects on actual cell biology, cell membranes, mitochondria and DNA etc.
* The effects of multiple frequency exposure
* The effects of ‘pulsed’ frequency exposure
* The cumulative effect of 24/7 exposure
* The addition of multiple RF emitting sources in one location
* The effects on wildlife, trees, plants, birds, bees, pollinators, bacteria and viruses etc. on their biology and navigation etc.
* The effects on infants, children, foetus and vulnerable groups

The **International Commission of Non-Ionizing Radiation Protection** (ICNIRP) exposure level is approx. 900 quadrillion times higher than natural background microwave radiation levels (0.000.000.000.010 µW/m²).

**The current guidelines DO NOT PROVE that exposure to RF radiation is ‘safe’.** They only state that there is no evidence to ‘suggest’ that it is not safe and are not considering the growing body of evidence and calls from scientists all around the world that demonstrate that it is most definitely not safe at levels way below these guidelines.

**No ‘body’ is even measuring exposure levels** or ‘combined’ exposure levels from cell towers, devises sold into homes and therefore combined in any location even against the glaringly inadequate guidelines. **Big Telecoms and Big Wireless is rolling out unchecked and with impunity.**

**Damage from RF exposure is uninsurable.** The Government, utility companies, big telecoms and smart tech industries may be turning a blind eye to the dangers of wireless radiation exposure but the insurance business has not. Lloyd’s of London sets the standard for the world and has a clause that excludes any compensation for claims: “directly or indirectly arising out of, resulting from or contributed to by electromagnetic fields, electro-magnetic radiation, electromagnetism, radio waves or noise.” Radio waves are explicitly included as they, specifically the microwave zone, are what enable wireless communications devices like cell phones, wi-fi, cordless phones etc. So RFs are invalidating insurance policies.

<http://stopsmartmeters.org.uk/lloyds-of-london-excludes-liability-coverage-for-harm-from-wireless-radiationrf-emf/>

**Using these frequencies is also illegal**. The Charter of Fundamental Rights of the European Union Article 3 states "Right to the integrity of the person 1. Everyone has the right to respect for his or her physical and mental integrity. Article 24 The rights of the child 2. In all actions relating to children, whether taken by public authorities or private institutions, the child's best interests must be a primary consideration”

[http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf](http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf%22%20%5Ct%20%22_blank)

**EMF’s and 5G will also violate The Nuremberg Code**, which was introduced in 1947 to give clear rules about what was legal and what was not when conducting human experiments. It consists of ten points. The first and most important is that anyone participating in an experiment must give informed consent. Dr Andrew Goldsworthy, a senior EMF biologist advised Parliament that permanent exposure“ without the fully informed consent of the people affected is in contravention of the Nuremberg code”. This means nobody can be forced to participate in human experiments. All participants must understand the potential risks.

The following article contains reference to the above and at least eleven international agreements that have been violated by 5G implementation. The international agreements for the protection of humanity are being explicitly violated: <http://treeoflifecenterus.com/5g-a-toxic-assault-on-the-planetary-web-of-life/>

**3.0 CONFLICTS OF INTEREST**

Whilst there are undoubtedly many benefits and conveniences of wireless technology, it is also clear that **TRILLIANS OF £ & $ are at stake as well as geopolitical agendas that choose to ignore the dangers**. The fact is **there are thousands of research papers and calls from credible research scientists across the world that conclude that the current ‘safety standards’ are woefully inadequate and that the roll out of 5G will exacerbate the current issues exponentially. These are simply being ignored by industry/governments/councils and/or discredited by industry sponsored research.**

**A few examples that are being ignored:**

On 31st May 2011, the **World Health Organisation’s International Agency for Research on Cancer (IARC)** **categorised RF EMFs as a possible CARCINOGEN** (Class 2b) – the same category as lead, DDT, chloroform & methylmercury. **There are calls to upgrade this to a Group 1 (definitive) carcinogen**.

Below is a recent commentary by Prof. Lennart Hardell on the findings of a $25mn US NTP study into cell phone signals.  His conclusion is unequivocal:

*Based on the IARC preamble to the monographs, RF radiation should be classified as Group 1: The agent is carcinogenic to humans.*

*’This category is used when there is sufficient evidence of carcinogenicity in humans. Exceptionally, an agent may be placed in this category when evidence of carcinogenicity in humans is less than sufficient but there is sufficient evidence of carcinogenicity in experimental animals and strong evidence in exposed humans that the agent acts through a relevant mechanism of carcinogenicity.’ ([http://monographs.iarc.fr/ENG/Preamble/currentb6evalrationale0706.php](http://monographs.iarc.fr/ENG/Preamble/currentb6evalrationale0706.php%22%20%5Ct%20%22_blank))*

Hardell’s work led to the category of 2B back in 2011, he now is calling for it to be upgraded to Class 1.

<https://ehtrust.org/cancer-expert-declares-cell-phone-wireless-radiation-carcinogenic-humans/>

**On 6th May 2011, the Council of Europe issued a report titled “Potential dangers of EMFs and their effect on the environment” in which they called for an IMMEDIATE reduction in exposure to EMFs by children.** The Council advocates a precautionary principle be applied to wireless emissions to prevent public health disaster akin to “tobacco, leaded petrol and asbestos”.

See the **Bioinitiative Report 2012**. This is informative and gives a clear statement of the problem and a lot references [http://www.bioinitiative.org](http://www.bioinitiative.org/%22%20%5Ct%20%22_blank).

**Martin Pall**, PhD (Caltech, 1968) Professor Emeritus of Biochemistry and Basic Medical Sciences Washington State University. Below are some links to his extensive research and letter to California legislators:

<https://peaceinspace.blogs.com/files/5g-emf-hazards--dr-martin-l.-pall--eu-emf2018-6-11us3.pdf>

<https://ehtrust.org/wp-content/uploads/Pall-Letter-to-CalLegis-FINAL-8-7-17.pdf>

Other references throughout this paper contain many credible and peer reviewed studies of evidence of harm that are being ignore/dismissed in favour of government/industry objectives.

**4.0 HEALTH EFFECTS OF RF RADIATON AND BIOLOGICAL MECHANISMS**

**Symptoms of RF (radiofrequency) radiation exposure are many and many of these conditions have increased exponentially in the last 10-20 years** since the advent of wireless technology, cell towers, wifi and EMF exposure etc. One has to wonder why there is no other viable explanation that has beenshown for these huge increases in illnesses that co-inside with this timeline. Doctors are not recognising (or not allowed to recognise the connection).

**4.1 Some of these health effects include:-**

Sleep problems, fatigue, learning and concentration problems, stress, anxiety, depression, headaches, tinnitus, heart problems, palpitations, arrhythmias, cramps, nausea, nosebleeds, hormone disruption, fertility problems, ADHD, autism and sensory spectrum disorders, immune system disorders, respiratory problems, diabetes, skin rashes and flushes, dementia, alzheimers and cancer. These are known radiation sicknesses.

<https://www.radiationhealthrisks.com/21-health-symptoms-rf-radiation/>

<https://www.powerwatch.org.uk/library/downloads/pf-emfs-9-heart-dementia-2018-11.pdf>

There is also alot of information and references on the dangers of wireless radiation on the following links:-

[https://ehtrust.org](https://ehtrust.org/%22%20%5Ct%20%22_blank).

[https://ehtrust.org/science/research-on-wireless-health-effects/](https://ehtrust.org/science/research-on-wireless-health-effects/%22%20%5Ct%20%22_blank)

[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5504984/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5504984/%22%20%5Ct%20%22_blank)

Basic biology is clear in that every cell and nerve in the body operates using minute electrical signals. There can be no doubt that these biological signals will be affected by exposure to unnatural and continuous high frequency microwave radiation at billions of cycles per second.

Wifi, for example, operates at 2.4 Ghz (2.4 billion cycles per second) and so too does your microwave oven! Although the power density is less, how does a microwave oven on a stick in your home suddenly become safe? In short, it does not. It might not heat you up by 2 degrees in 6 minutes but any logic would tell you this is not safe 24/7. 5G is set to use various higher military grade millimetre wave frequencies e.g. 60Ghz (60 billion cycles per second) and 125 Ghz (125 billion cycles per second) which have been auctioned off already at huge profit to governments all over the world. High-frequency 60GHz 5G has already been shown to interfere with the oxygen molecules we breathe amongst many other serious metabolic issues.

**4.2 The actual biological mechanisms** by which these illnesses manifest are many and complex and too many to note in details this paper but research includes:-

Changes in DNA and mitochondria, changes in cellular process, damage to voltage gated ion channels leading to electrical signal changes in the cell, changes in brain waves and neuron responses, oxidative stress, cell inflammation and damage to the blood/brain permeability.

<https://www.powerwatch.org.uk/library/downloads/pf-emfs-4-cells-mechanisms-2018-11.pdf>

<https://www.youtube.com/watch?v=ATRa9bThFKg&t=372s%E2%80%8B>

<https://www.youtube.com/watch?v=w8ATQF8omdI>

<https://www.youtube.com/watch?v=AemhpkT-PQc>

<https://ehtrust.org/science/recent-scientific-publications-by-the-eht-scientific-team/>

**Dr Martin Palls work, papers and lectures explain clearly the mechanisms of harm** as well as how children, insects and trees are particularly affected. His predictions are dire and should urgently be heeded but are ignored by government and industry:

<https://www.youtube.com/watch?v=bsaB7ewFsN0&feature=share&fbclid=IwAR2zSxxJflxoT-9IReJKGnVJSHCTbvTB-ilb3dZLKI0II67TMbRm4vdxCCg>

<https://ehtrust.org/wp-content/uploads/Pall-Letter-to-CalLegis-FINAL-8-7-17.pdf>

<https://www.youtube.com/watch?v=kBsUWbUB6PE>

<https://www.youtube.com/watch?v=w8ATQF8omdI>

**Contrary to AGNIR, PHE and Government guidelines, it is quite evident that there is considerable scientific doubt of the safety of these EU, UK guidelines and standards.**

Anecdotally, many people are becoming sick with many conditions noted above but with ‘unknown cause’ and for others, lives have become a misery with Electro Sensitivity. It is estimated that Elecro Sensitivity will increase from the current estimate of 3-10% to 50% in the coming years. Peoples health and the environment is being damaged whether they are ‘electrically sensitive’ and aware of it or not.

<http://www.es-uk.info/>

These connections are simply dismissed by government and NHS doctors. Living close to unavoidable sources and being forcibly exposed to RF radiation is a real misery for many people. Many people are acutely aware of the cause of their illness or discomfort, often living close to a cell tower or becoming sensitive after being exposed to Wifi all day in work, school or home and others remain unaware of the cause getting medical treatments that will not help.

A recent article in the **Lancet** outlines concerns of harm from conception that has now occurred and increased rapidly in the past 20 years. Amongst other issues, it outlines evidence of the effects of exposure to wireless devises on the CNS, including altered neurodevelopment, increased risk of neurodegenerative diseases, behavioural disorders and structural and functional changes in the brain associated with ADHD-like behaviour in children.

[https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(18)30221-3/fulltext?dgcid=raven\_jbs\_etoc\_email&fbclid=IwAR1s3PagJHpPbQjkb2jhRvCGrdJwL877rIXQQRr70GdaSIBmCquPBi7QaH0](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196%2818%2930221-3/fulltext?dgcid=raven_jbs_etoc_email&fbclid=IwAR1s3PagJHpPbQjkb2jhRvCGrdJwL877rIXQQRr70GdaSIBmCquPBi7QaH0)

At a time when environmental health scientists tackle serious global issues such as climate change and chemical toxicants in public health, it calls for an urgent need to address so-called electrosmog.

**5.0 EXPOSURE GUIDELINES**

**The current guidelines are simply irrelevant to continuous exposure:**

<http://www.es-uk.info/wp-content/uploads/2018/12/03.4-Importance-of-Biological-not-Heating-Guidelines.pdf>

Please refer to the Bioinitiative report and the Building Biology Levels precautionary guidelines for RF/Microwave exposure which take non thermal effects into account:

[http://www.bioinitiative.org](http://www.bioinitiative.org/%22%20%5Ct%20%22_blank)

[http://www.slt.co/Downloads/Education/EMF-Exposure-Guidelines-For-Sleeping-Areas.pdf](http://www.slt.co/Downloads/Education/EMF-Exposure-Guidelines-For-Sleeping-Areas.pdf%22%20%5Ct%20%22_blank)

[http://www.emfwise.com/emf-safety-standards.php](http://www.emfwise.com/emf-safety-standards.php%22%20%5Ct%20%22_blank)

[http://www.emfwise.com/tableofeffects.php](http://www.emfwise.com/tableofeffects.php%22%20%5Ct%20%22_blank)

The conversion and the various measuring units are very complex and it is easy to understand how invested interests can persuade government and decision makers into believing inadequate safety measures.

**In summary, however, by comparison, the EU standard being used to determine ‘safety’ is thousands of times higher than the levels shown to cause cellular damage and health issues and the precautionary levels advised by building biology guidelines. In nature, levels are almost undetectable which is a clear measure of the real level at which biology operates at a healthy level:-**

***EU Safety Standard****: 1 mW/cm2 (=****61.4 V/m****)*

***Nature****: <0.00002 V/m*

***Building Biology No Concern: < 0.006 V/m***

*Building Biology Slight Concern: 0.006-0.06 V/m*

*Building Biology Severe Concern: 0.06-0.6 V/m*

***Building Biology Extreme Concern: >0.6 V/m***

**To reiterate, the ‘EU/UK safety standards’ are thousands of times higher than biological safety standards and only measure SAR (thermal) effects performed on a fluid filled dummy. They do not take ANY account of non thermal effects, continuous exposure, pulsed frequency exposure, multiple frequency range exposure etc. to the actual biology of any creature large or small. No one is measuring the combined exposure effect in an average home e.g living next to a cell tower, 3 smart meters, wifi, plus neighbours smart meters and wifi, combined with the vast array of wireless devises. No one is measuring effects on wildlife, plant health and the decline of insects, pollinators and birds. Insect populations have plummeted dramatically in the last 10 years and this correlates with the introduction of 3 and 4G, smart meters and smart LED lamp posts.**

There are simply thousands of peer reviewed studies linking RF radiation exposure to cancer and many of the illnesses above and yet these studies, along with the classification of the WHO are being ignored. The government/industry is rolling out ever increasing wireless infrastructure including masts for full UK 4GLTE coverage **and is now laying the foundations for the 5G infrastructure and smart cities (including allowing existing masts to be upgraded to 5G, new 5G upgradable masts, LED lampposts with RF transmitters, and any number of street furniture such as manholes and telephone boxes as well as (the insane) space satellites planned to augment the coverage).** Industry, with an eye on ‘the internet of things’ is selling every conceivable devise loaded with RF transmitters, that in most cases cannot be disabled, to the unsuspecting and technology enraptured public.

**There is so much evidence of harm that is being ignored in favour of the industry/government interests. It is an extremely inconvenient truth that this technology is not safe but action must be taken to STOP THE ROLL OUT OF 5G and limit the use of existing wireless technology.** Most of the public are unaware of the 5G roll out and dangers as they are not being informed of these dangers by the mainstream media or may simply not believe that the government would knowingly allow this to happen (refer tobacco, diesel, asbestos, GMO’s, fracking, pesticides etc!). This is a global experiment without informed consent. RF radiation cannot be seen, heard or perceived. Those that are aware and/or sensitive are horrified at the complicity of the government and councils in allowing this crime against humanity.

It should be the duty of the council and the government to act in the best interests of the environment and the health of the public and this is currently not the case. **The future liability for complicity in the irreversible harm to human health and the environment must surely rest with the council, government and government advisory bodies as well as industry with whom they work hand in hand. They need to immediately acknowledge the scientific evidence and amend the government policies proliferating the infrastructure roll out and industry sales of RF devises.**

**6.0 5G, an even greater threat**

If existing 4G and wireless is not bad enough, utility companies working for Big Telecom and government are quietly in the process of installing powerful Fifth Generation (5G) cellular antenna on existing cell towers, utility poles, street lights, rooftops, traffic signals, under manholes etc. as well as planning to blanket the earth with 20,000 satellites.

As ultra high frequency 5G signals do not travel so far and are more easily blocked by obstacles, these small cells may be outside every 2-10 houses.  This will force involuntary exposure to wireless radiation 24/7 which cannot be turned off or avoided!

The impending 5G roll out is set to massively increase exposure to RF radiation by a factor of hundreds and full UK and world coverage is planned in the next few years. 5G is a developing and growing complex collection of technologies including:-

* Millimetre waves using new much higher (and even more dangerous) frequency spectrums than existing 3G and 4G.
* Many thousands of new small cells everywhere as millimetre waves do not travel so far ensuring that they are located very close to homes
* Massive MIMO. Each 5G base station will contain hundreds or thousands of antennas aiming multiple laser-like beams simultaneously at all cell phones and user devices in its service area. This technology is called “multiple input multiple output” or MIMO. FCC rules permit the effective radiated power of a 5G base station’s beams to be as much as 30,000 watts per 100 MHz of spectrum, or equivalently 300,000 watts per GHz of spectrum, an estimated hundreds of times more powerful than the levels permitted for current base stations.
* Full duplex

<https://www.youtube.com/watch?v=GEx_d0SjvS0>

<https://spectrum.ieee.org/video/telecom/wireless/everything-you-need-to-know-about-5g>

This blog clearly explain the exponential harm of the effects of the ‘phased array’ antenna used in 5G phones and small cells that will be inescapable:

<https://thecontrail.com/m/blogpost?id=4744723%3ABlogPost%3A911113&fbclid=IwAR0wxNAMdRfPD8asSAYKAm3pKz-TBdpKNp1xMDKuRusbYMpa6HQYQdQDBj0>

* Even more alarmingly, there are also **plans to launch thousands of satellites** into space **to cover the entire globe with 5G**, leaving no area of the world or it’s delicate electomagnetic **atmosphere** untouched.

**5G is untested and cannot be proven to be safe. It is an illegal experiment.** Again, PHE and AGNIR (and other international bodies) insist there is ‘no evidence that it is not safe’ without providing any credible proof that it is safe. This is because it is not safe and no credible non-industry sponsored scientific testing would be able to prove otherwise.

Some of frequencies used in 5G are the same as cellular processes and used in new microwave weapons called active denial and growlers for crowd control.

Barry Trower, an ex UK navy weapons expert, explains many of the issues with wireless technology and 5G in these any many of his other videos:

<https://www.youtube.com/watch?v=VJVY9Q7q3Ks&feature=youtu.be&fbclid=IwAR0237wzMTAABcPfyXjCCKt_xtPfmZp-PMkFd1iXQmr7O8pXTJ2C_lFgIh0>

<https://www.youtube.com/watch?v=MnArQm2Bxo4>

**The following article is an appeal signed by hundred of scientists across the world appealing to governments to halt the roll out of 5G** and explains the exponentially harmful effects of 5G on health, wildlife as well as the environment and atmosphere and is worth the time to review.

<https://www.5gspaceappeal.org/the-appeal>

**All life has adapted over time to live in the electromagnetic frequencies of the earths Schumann Resonance, somewhere between 7.83 and 8 Hz (i.e. 8 cycles per second).** Researchers have shown that there is a key connection between the Schumann Resonance and the brain’s alpha states (frequencies between 8 Hz – 12 Hz). The Schumann Resonance is essentially the pulse of the heart of the earth, to which our hearts and brains are specifically attuned with. The Schumann Resonance is a geomagnetic electric resonance between the surface of the earth and the lower levels of the ionosphere, which has a natural ultra-low frequency signal. Without doubt it will be disrupted by 5G satellites, and thus would disrupt the basic harmonic of all life on the planet. **5G and the IoT is a dangerous, insane and illegal experiment on the entire globe and every single life form.**

Each satellite will emit millimetre waves with an effective radiated power of up to *5 million watts* from thousands of antennas arranged in a phased array. Although the energy reaching the ground from satellites will be less than that from ground-based antennas, it will irradiate areas of the Earth not reached by other transmitters and will be additional to ground-based 5G transmissions from billions of IoT objects. **Even more importantly, the satellites will be located in the Earth’s magnetosphere, which exerts a significant influence over the electrical properties of the atmosphere including the Schumann Resonance**. The alteration of Earth’s electromagnetic environment, especially where Schumann Resonance resides, may be an even greater threat to life than the radiation from ground-based antennas. **Even if just 1% of these warnings hold true, this is madness to the extreme and is happening now.**

The following article is worth the time to read. It contains a lot of information on the Schuman Resonance and the potential catastrophic results of disrupting it along with a call to action to every citizen of the world not buy into 5G at a grass roots levels and actively hold those responsible to account.

<http://treeoflifecenterus.com/5g-a-toxic-assault-on-the-planetary-web-of-life/>

Dr Martin Pall explains the catastrophic dangers of 5G in this video lecture:

<https://www.youtube.com/watch?v=bsaB7ewFsN0&feature=share&fbclid=IwAR2zSxxJflxoT-9IReJKGnVJSHCTbvTB-ilb3dZLKI0II67TMbRm4vdxCCg>

**7.0 CATESTROPHIC HARM TO WILDLIFE AND POLLINATORS**

These articles provide further information on the catastrophic harm to wildlife, trees, plants, birds, bees and insects of wireless technology. Their smaller body weights, inability to avoid sources, and dependence on subtle electromagnetic signals to navigate etc. will cause massive environmental destruction. **Insects and pollinators have, for example, already disappeared by 70-80% in the last decade or so and at a rate over and above that explained by pesticide use and other factors other than the introduction of cell towers and wireless technology**. If you drove 5-10 years ago, you would have seen many a squashed insect on your windscreen, I have not seen one for many years, so evident is the decline. Small birds are virtually gone from gardens and public spaces in recent years both affected by lack of insect food and inescapable microwave radiation. They perch innocently on cell towers and microwave transmitting lampposts, where even industry ‘guidelines’ would have to admit these proximities are unsafe. Bacteria and viruses, when under threat, mutate and become more aggressive. There so much evidence of harm that is being ignored. 5G is set to cause even more catastrophic harm. Some examples:

<https://mdsafetech.org/environmental-and-wildlife-effects/>

<http://www.sccma-mcms.org/Portals/19/SilentSpringAticle_color_pr2.pdf?fbclid=IwAR37WtA2F7F6ogEHjprTXPZt4iridUOxiiobZ79pvwIq6RxWfUa_m8QPzXU>

<https://ecfsapi.fcc.gov/file/7521097891.pdf>

**8.0 WIFI IN SCHOOLS**

Children are particularly vulnerable to RF radiation. Most nurseries, primary schools and schools in the UK now have wifi installed and classes full of 30 ipads pulsing away. This exposes children, whose body, cells and nervous systems are developing, to huge amounts of RF radiation on a daily basis. Health and behavioural issues are resulting at catastrophic levels.

When challenged, schools seem oblivious to the dangers and/or state that they have no government guidelines to the contrary. Some countries in Europe e.g. France has now recognised the dangers and banned Wifi in nurseries and primary schools and limited in older schools. The UK and USA continue to harm our children. Parents must challenge this collectively.

<https://mdsafetech.org/wi-fi-in-schools-2/>

<http://www.parentsforsafetechnology.org/>

<http://wiredchild.org/home.html>

Retired physicist Barrie Trower, an ex Royal Navy microwave weapons expert, states that there is NO SAFE LEVEL of microwave radiation for anyone, let alone children. Girls are born with all the eggs they will ever have and any damage now to the DNA in the follicles from wifi and mobile devises (and now 5G) will have irreversible repercussions for generations to come. His talks on how children are affected are very much worth the time to review.

<https://www.youtube.com/watch?v=ZT_ITSsjhDQ>

<https://www.youtube.com/watch?v=DCbUwhlQl7w&index=1&list=PLmW2ABZNt38PCpc7yUOfvAYFd9YyzpqYS>

Over 150 letters from various scientists, schools, agencies, etc. warn of dangers of wifi in school:

<https://drive.google.com/file/d/0B2oWg9jNlPa9cUtHYzJURFpUZG5TaUxTLTBfOGtnbHM1dXpR/view?mc_cid=14f76d75ca&mc_eid=30911ed615>

The fact is wifi and wireless radiation damages DNA and the reproductive system. Just think about a generation of children in 15 years time when they all get married and are ALL not able to have children from the wifi exposure they had throughout their ENTIRE lives from conception, in shops, on transports, in schools, etc.…and to make things worse, this DNA damage is non-reversible. So, there is no ‘healing’ option, the only way is extinction.

**9.0 AGAINST THE ARGUMENT THAT 5G AND SMART METERS ARE ‘GREEN’ AND HELPING TO MONITOR AND PROTECT THE ENVIRONMENT**

Whilst there are many benefits quoted for monitoring the environment and being ‘green’, a few obvious flaws/omissions in this mainstream message include:-

**9.1 Just from an** **energy and carbon emission perspective**, the data centres alone required to power and store the internet and cloud etc. **require massive amounts of power and housing in vast data centres**. This does not include the energy required to power the countless billions of power hungry devises projected to connect to the Internet of Things.

Researchers say the data centre sector **could be using 20% of all available electricity in the world by 2025** on the back of the large amounts of data being created at a fastest speed than ever before seen and the Internet of things.

<https://data-economy.com/data-centres-world-will-consume-1-5-earths-power-2025/>

<https://www.theguardian.com/environment/2017/dec/11/tsunami-of-data-could-consume-fifth-global-electricity-by-2025>

**9.2** **Wildlife is undoubtedly already affected by existing RF radiation frequencies and 5G will be catastrophic**. There has already been a decline of c. 80% of insects alone in the last 20 years since the deployment of 2,3 and 4G cell towers. Birds, bees and pollinators are unable to navigate and colonies collapse. An environmental and food chain collapse will be the next stage.

<https://mdsafetech.org/environmental-and-wildlife-effects/>

<http://www.sccma-mcms.org/Portals/19/SilentSpringAticle_color_pr2.pdf?fbclid=IwAR37WtA2F7F6ogEHjprTXPZt4iridUOxiiobZ79pvwIq6RxWfUa_m8QPzXU>

[https://ehtrust.org/published-research-adverse-effect-wireless-technology-electromagnetic-radiation-bees/](https://ehtrust.org/published-research-adverse-effect-wireless-technology-electromagnetic-radiation-bees/%22%20%5Ct%20%22_blank)

**9.3 Damaging effects of RF radiation on plants and trees are notable and researched**

Plant and cell biology is affected in similar ways to humans and other biological creatures:

<https://www.sciencedirect.com/search/advanced?qs=non-ionizing+radiation+effects+on+plants&origin=article&zone=qSearch>

**9.4** **Conflict minerals**include titanium, tin, tungsten and gold, which are used in many electronic components and computer products. The Internet of Things, aiming for every devise to have an RF chip connecting to the internet, will only increase pressure on these precious recourses, many of which can only be found in a few locations across the world.

**9.5 LED Street Lights** are being rolled out across the country and other counties across the world on the basis of being a saviour for the environment by using energy saving LED’s and RF transmitting antenna to control them.

**The RF transmitting antenna located on the new LED lampposts** are being sold as a lighting control system by Councils but actually form part of an upgradable 5G grid and Internet of Things. No doubt this has been sold along with other future cost savings for driverless busses and other wireless ‘savings’. It is planned to connect lampposts up, along with other street furniture to spew out inescapable 5G high frequencies into every home. Using street furniture and manholes will allow even outstanding areas of natural beauty to ‘benefit’ from 5G without spoiling the look of the area with the larger cell towers needed for 4G. They are located just meters from bedrooms and are inescapable by birds, insects and nocturnal animals. Using industry ‘safety standards’ manufactures and councils claim the transmitters are within guidelines ‘several meters from source’. The microwave emissions travel for may kilometres, exposing everyone and everything to thousands of signals 24/7. Unwitting birds, devoid of natural environment, are seen perching on them, being exposed to untold radiation damage at source.

Aside from the dangers of the RF transmitting Uninode transmitters being deployed on the lampposts, **the white LED light alone is disruptive to health, causing an increase in cancers by hormone disruption**. This, in itself, will also undoubtedly have an impact on wildlife, insects and nocturnal animals who will be unable to escape both the mesh of RF transmitter field every few meters as well as the blue/white hormone disrupting LED light. The following articles are a sample of information regarding the blue/white light dangers.

<https://www.telegraph.co.uk/science/2018/04/26/new-led-streetlights-may-double-cancer-risk-new-research-warns/>

<https://globalnews.ca/news/4122605/led-street-lights-eyesight-health-effects/>

<https://theconversation.com/american-medical-association-warns-of-health-and-safety-problems-from-white-led-streetlights-61191>

**9.6 Smart Meters**

Smart meters, being pushed out into homes by government and utility companies also form part of the Internet of Things and the 5G infrastructure grid. These are sold as convenient and ‘energy saving’. There are many reports noting that no energy is saved and/or bills increase. Energy savings still depend on users actually ‘reducing’ usage which can be encouraged regardless of a smart meter display which may be rarely looked at. **Smart Meters are NOT SAFE and many people are becoming sick from the continuous PULSED microwave emissions after installation. Wireless ‘Smart’ Meters emit intense, pulsed bursts of non-ionising, RF microwave radiation into the home, neighbours homes and the surrounding wildlife**. They also increase the number of cell tower requirements and datacentres required to store every usage statistic of the home.

Residents often do not know that smart meters had been installed in close by properties. The most common symptoms are: Headaches, insomnia, fatigues, tinnitus, Heart arrhythmia/palpitations, decreased immune function, irritability, decreased cognitive function. Some meters pulse up to 190,000 times per day (essentially constant pulsing). These pulses can travel nearly 2 miles and may conduct along all copper electrical wiring within a home and community. The pulses are then re-radiated into the living environment, which causes the above symptoms

<https://www.emfanalysis.com/smart-meter-health-effects/?fbclid=IwAR1dA_7RVnCqo-TuRr6FZrnZG7X3NKwy7WwqN9xjKTFQDuMCK72J1fny4_o>

As demonstrated by Daniel Hirsch, Senior Nuclear Policy Lecturer at UCSC, ‘Smart’ Meters can expose the body to 160x to 800x times as much microwave radiation as mobile phones. ‘Smart’ Meters can emit intense pulses of radiation in excess of 190,000 times every day. This will massively increase the EMF exposure to members of a household, their neighbours and environment. It has been shown that pulsed frequencies have an especially damaging effect biologically.

<https://theecologist.org/2017/apr/11/smart-meters-and-cell-damage-pulsed-em-radiation-our-health-risk>

Smart meters are currently not a legal obligation in the UK and you can insist on a refusal. Do not accept a ‘dumbed down meter’ as this only means that that particular company cannot read it, but it is still trying to establish transmission. This is a helpful UK site for information on smart meters.

[www.stopsmartmeters.org.uk](http://www.stopsmartmeters.org.uk)

Jerry Flynn is a retired Captain in the Communications Electronics Engineering Branch from the Canadian Armed Forces. He extensively studied radio communications, including radio and antenna theory, the radio frequency spectrum, radar and telephone systems, electronic warfare, signals intelligence, and more. Most of the dangers he clearly explains are the same issues as the UK and it is worth taking the time to review his work which relates to smart meters and wireless in general.

<https://emfcommunity.com/harmful-effects-smart-meters-cell-phones-wi-fi-jerry-flynn-military-radio-expert/>

<https://www.youtube.com/watch?v=c-F3nf47kAs>

**9.7 Tree Felling – the connection**

It isacknowledged by the industry that trees block 5G signals. Trees are being felled across the country and the globe at a furious and alarming pace on the pretence of H&S. It is likely that there is a deeper agenda in the current rate of felling across roads and rail networks as trees are felled to clear the way for the 5G signals to pass.

[http://media.withtank.com/cf9ae35027/waldmann-selsam\_2016\_scitotenv572p554-569\_rf\_\_trees.pdf](http://media.withtank.com/cf9ae35027/waldmann-selsam_2016_scitotenv572p554-569_rf__trees.pdf%22%20%5Ct%20%22_blank)

[https://www.sciencedirect.com/search/advanced?qs=non-ionizing+radiation+effects+on+plants&origin=article&zone=qSearch](https://www.sciencedirect.com/search/advanced?qs=non-ionizing+radiation+effects+on+plants&origin=article&zone=qSearch" \t "_blank)

An academic UK university study linking to corporate studies below shows how trees affect 5G signals: page 5 acknowledges that the wireless signal is attenuated by trees and page 6 that the higher 5G frequencies are more affected by trees than 4G.

<https://www.surrey.ac.uk/sites/default/files/White-Paper-Rural-5G-Vision_0.pdf>

**9.8 If the 20,000 satellites are deployed as planned, just the rocket fuel alone could unleash an environmental catastrophe with the ozone depletion and the release of black soot increasing global warning by several degrees**. The satellite’s will also **eventually fall and burn releasing dangerous substances across the globe.**

<https://www.wakingtimes.com/2019/01/08/20000-satellites-for-5g-to-be-launched-sending-focused-beams-of-intense-microwave-radiation-over-entire-earth/?fbclid=IwAR03FTQcsgE0vHUvdJq6-bxZg5vXGDZS6v5TSFqMQdyGafgfi3u_S5oNs10>

**As explained earlier, the disruption to the electromagnetic resonance of the ionosphere and Schuman Resonance in itself will be inescapable and catastrophic to all life on earth.**

# *“You may live to see man-made horrors beyond your comprehension.”― Nikola Tesla*

**10.0 Call to Action**

It may be hard to hear with our addiction to smartphones and ‘smart’ tech but existing 2G, 3G and 4G technology along with wifi and wirelesses technology is already having disastrous health and environmental impacts.

‘*Smart’* has been cleverly positioned from a marketing perspective. After all, would you really want to be the only one not to be ‘smart’ and/or to buy something if it were called a ‘*microwave emitt*ing, cancer causing spying’ devise?

Currently, one could at least try and take some measures to try and protect your family and limit exposure by moving further away from a cell tower (if you can still find anywhere) and by switching off your wifi and hardwiring, refusing smart meters, not buying smart tech with RF chips installed and limiting smart phone use to essential calls and texts rather than downloading videos and using every conceivable app. This is especially important around children. Although insects, birds, plants and wildlife do not have this luxury.

5G will be a much stronger and more damaging signal by a factor of c. x100 and will be a global, environmental and health catastrophe (untested and beyond the imagination) and will be inescapable.

This is a UK lecture on wireless, smart meters and 5G presenting a lot of information and evidence. It is over 2 hours long but would be worth watching if you have time.

<https://www.youtube.com/watch?v=s8kU3VXl-kg&t=504s>

# *"5G rollout is absolutely insane".*

# Dr. Martin Pall from the Washington State University (WSU)

Please spread this information and take action in your own area of control and encourage your friends, neighbours and loved ones to do the same e.g.

**In your own home:**

* Reduce mobile download and 4G usage wherever possible and do your internet work on a hardwired computer wherever practical.
* Turn wifi off when not in use, especially at night and hardwire your home completely where practical.
* Replace cordless DECT phones in your home with a wired phone.
* Turn phones, ipads, laptops etc. onto airplane mode when not in use. They still try to continually establish transmission when not in use.
* Remove or disable all apps and functions on your phone if not required. Turn off the Bluetooth, wifi mobile data functions when not in use as these continuously try to establish transmission when not in use in your pocket. Ideally turn onto airplane mode especially at night.
* Turn off any smart TV’s and smart devises off at the wall when not in use. They still transmit microwaves when in standby into your home.
* Refuse smart meters. If you have one already, take every measure to get this removed and changed to a safer analogue version. Do not accept a dumbed down version.
* Avoid wireless technology including speakers, headsets and wearables such as smart watches and fit bits.
* Check all new electronic purchases carefully to ensure they are not ‘smart’ or contain an RF chip that cannot be disabled.
* Under no circumstances buy a 5G enabled phone or car etc.

**In the wider community:**

* Challenge your schools and workplaces use of wifi and mobile technology showing them the evidence of harm.
* Contact your council, government and industry to register your objections to the roll out of 5G as well as the proliferation of cell towers, smart meters, LED lampposts and wireless technology in public places, outside homes, parks and the natural environment etc. State that you DO NOT CONSENT to your forcible, unconsented and illegal exposure.
* If you are in a council, government, industry, media or influential position, do not stand by and toe the party line and be complicit in this destruction of our/your health, the environment and every living creature at this critical time. Use your influence positively to make a stand and help make the change to reduce wireless and promote wired technology.

Despite what big wireless, big telecoms, the media and government are telling us, perhaps we could survive without 5G, smart meters, LED lamp posts with transmitters, driverless cars, all things wireless and the IoT’s after all. We did for millions of years. Perhaps saving our health and that of the next generation along with the insects, pollinators and birds before it is too late might prove more beneficial to us all.

**To make any changes millions of voices and careful individual purchasing changes are required. Do not assume someone else will take action.**

Updated 4th March 2019