

To:

The House of Representatives Standing Committee on Communications and the Arts

Inquiry into fifth-generation (5G) mobile network technology.

Dear Committee Members,

I make this humble submission to The House of Representatives Standing Committee on Communications and the Arts inquiring into fifth-generation (5G) mobile network technology (also known as fifth generation cellular wireless).

At the outset, I submit ...to the Committee:

- 1. I do not consent to the deployment, adoption and application of 5G wireless technology in Australia, as it is currently proposed.**
2. Technology is benign and the use of a particular technology in a particular way may cause harm directly or indirectly. An axe can chop wood or kill people. It can be an opportunity or a challenge.
3. Whilst I recognised the opportunities of 5G wireless technology, with a caveat, I see 5G wireless technology as a significant challenge.
4. 5G wireless technology is proposed to be rolled out nationally and globally; consequently impacts on society will be profound and potentially catastrophic if an element of harm is involved.
5. In my view, 5G wireless technology is not benign and will cause harm directly and indirectly
6. **I fear and feel threatened** by the 'wireless' component of the 5G technology on the grounds it will indiscriminately emit man-made pulsed non-ionising (non-thermal) electromagnetic radiation (EMR also known as EMF) and harm my safety and health without my informed consent.
7. I have no immediate issue with the deployment, adoption and application of 'hardwiring' of 5G technology—as distinct from 'wireless'.
8. The Federal, State and Local Governments in Australian and their representatives:
 - a. Have a general 'public health duty of care'.

- b. Are obliged to apply the 'precautionary principle' in the introduction of such proposed new technologies on a mass scale.

My concern is that our society seems to be 'bedazzled' by promises (sales pitches) of new technologies to make our lives 'easier', and/or for business to achieve 'new growth' and/or Governments to create 'new jobs'.

My concern is that Governments and business **merely** see the roll-out of 5G wireless technology, and associated products and services, as a forecast trillion dollar growth opportunity.

My concern is that we are of the mindset that new technologies will solve our problems—real or perceived—even in the **absence** of the preparation of an in-depth whole of society:

- due diligence, or
- business case, or
- cost benefit analysis, or
- SWOT analysis, or
- gold standard safety/health studies

..... being carried out.

I am concerned we also want to adopt new technologies merely to keep up with the 'Jones'.

My concern is that man-made pulsed non-ionising radiation in the spectrums used by the 2G, 3G, 4G and proposed 5G wireless technologies are not safe and cause non-thermal chronic health conditions particularly with the increasing intensity and duration of pulsed radiation output.

I pray that this Inquiry will go address my concerns and fear.

I further submit ...to the Committee:

1. Today's consumer wireless EMR products, gadgets and devices (even baby monitors), and electric utility smart meters all emit pulsed man-made pulsed non-ionising non-thermal EMRs.

2. Pulsed modulation is more hazardous to the human body than is continuous wave (CW) – the latter of which is the kind emitted by microwave ovens.
3. The pulse repetition frequency (PRF) of any pulsed EMF, regardless of the carrier frequency, can cause serious damage to the human brain if the PRF conflicts with a nearby human's brainwave frequencies (typically up to 40 Hz, but they can be higher).
<https://www.curejoy.com/content/different-types-brain-waves/>
4. EMFs are known to cause (albeit not exclusively) autism, ADHD, memory and behavioural problems, leukaemia, brain tumours and brain cancers, breast cancers, thyroid cancers, pancreatic cancers, testicular cancers, infertility, etc., Parkinson's, Alzheimer's, suicides, depression, miscarriages, SIDS (Sudden Infant Death Syndrome), ALS (Lou Gehrig's Disease), asthma, tinnitus, cardiac problems, etc.
<https://www.emfanalysis.com/wp-content/uploads/2014/11/Powell-Bioinitiative-Report-Smart-Meters.pdf> ; <http://www.iemfa.org/seletun-statement/> ; <http://www.stayonthetruth.com/professionals-speaking-over-expertise-on-emf-expos.php>
5. The US Military knew in 1994 that the most dangerous frequencies to humans are those within the range 1 GHz to 5 GHz, because these frequencies penetrate all organ systems of the human body and therefore put all organs at risk.
<http://www.wernercairns.com/2015/05/why-do-we-have-so-much-illness-in-our.html>
6. The Peoples Republic of China's Huawei is rolling out its '5G' network technology primarily using Sub6GHz frequencies (specifically 3300-4200 MHz and 4400-5000 MHz) – which are within the most dangerous band of frequencies known to humans. https://www-file.huawei.com/-/media/CORPORATE/PDF/public-policy/public_policy_position_5g_spectrum.pdf?la=en
7. Australian standards for 'safe' Exposure Limits for EMFs look similar to those established in 1953 for the US Navy, which were based strictly on ionising heating (thermal) effects. Australian standards has the same high Exposure Limit of 10 mW/cm² (milliwatt per square centimetre) or 10,000,000 uW/m² (microwatts per square metre), which enabled the US Navy to continue operating its long range radars at full power.

8. ICNIRP and the WHO both also have 'safe' Exposure Limits for EMRs that were very similar to those of the US Navy – and both agencies reflected the ionising thermal acute effects ... and not the non-ionising chronic effects with which I am very concerned about.
9. The highly respected BioInitiative 2012 Report (updated 2017 and 2019) said that, in effect, the 10,000,000 uW/m² limit needed to be lowered or reduced some 3-6 million times!
<https://www.emfacts.com/2017/11/bioinitiative-report-medical-concerns-intensify-over-deadly-brain-tumors-from-cell-phone-use/>
10. Australian standards fail to recognize the condition known as Electrohypersensitivity or EHS, first identified in 1932 by German scientists who then called it microwave sickness. The most celebrated person to acknowledge that she suffers from EHS is Dr. Gro Harlem Brundtland, MD, MPH, formerly the Director General of the WHO and, before that, three times Prime Minister of Norway. It is conservatively estimated that at least 3-5% of the world's total population suffer moderately from EHS.
11. Australian standards for power line EMFs 'safe' ambient level of magnetic field of in a home, school, etc. should not exceed one mG (<1 mG). <https://bioinitiative.org/updated-research-summaries/>
<http://electromagnetichealth.org/electromagnetic-health-blog/the-seletun-statement/>
12. Not one single EMR product, device or gadget has ever been made to first undergo independent testing (for safety to humans) by qualified experts having no ties to industry before being allowed to be used / sold.
13. There are tens of thousands of studies (even the US Navy's own approximately 3,000 studies) that focused on the hazardous non-ionising chronic health effects.
14. With respect to 5G (fifth generation cellular wireless technology), even the US telecom industry executives themselves admitted to US Senator Blumenthal that no money has been spent by any American telecom company to prove that the much higher millimetre wave frequencies that will be used in 5G are safe to be used by, on and around people of all ages, of all sizes, on a 24/7/365 day basis in perpetuity.
<https://mdsafetech.org/2019/02/13/no-research-on-5g-safety-senator-blumenthal-question-answered/>

15. Finally, world-class scientist, Dr. Martin Pall, Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University, has said that: “If Man does not stop 5G, he won’t have to worry about Climate Change.” . <https://www.5gexposed.com/2019/08/24/silent-invisible-odorless-and-tasteless-radiation-is-a-crime-against-humanity/>

I submit ...there is a possible mitigating factor on the horizon to reduce the fears and concerns of 5G man-made pulsed non-ionising radiation, and that is ‘noise-field technology’. The precautionary principle still applies.

“U.S. military scientists began to realize that symptoms and ill health among the military personnel involved in radiofrequencies, microwave and other wireless technologies. The Army was extremely concerned that these negative health effects could be an unforeseen result of these technologies.

To safeguard the well-being and health of their personnel, the US Army heavily funded research to verify if such technologies involving radiofrequencies and microwaves actually lead to negative health effects, and if so, to find a way to protect against these effects.

The research project was initiated in 1986, and funded in its first five years by the U.S. Army Walter Reed Army Institute Department of Microwave Engineering.

The project was a large scale effort at the Catholic University of America’s (CUA) Department of Physics. Their researchers were the first to come up with the idea that there was some structural difference between electromagnetic fields that were natural and those that were man-made. Man-made electromagnetic fields radiate with steady, regular oscillations or pulses with constant frequencies. However, natural electromagnetic fields are highly irregular, with random and mixed frequencies and waveform.

The researchers discovered that man-made frequencies had a detrimental, negative effect on biological cells, whereas the natural frequencies did not. They called this natural electromagnetic field with random and mixed frequencies and waveform, “Noise Field”.

The researchers then found out that when they super-imposed a noise field over the man-made frequencies, the body's cells responded normally, and did not go into an alert mode of hardening their membranes. The term, "noise field technology" was coined to describe this phenomenon."

I submit ...that the combination of;

1. extensive and intensive hard-wiring of 5G devices and associated devices, and
2. the lower of radiation emission standards in line with the BioInitiative Report, and
3. the application of noise-field technology

...may possibly be the way for 5G to move forward.

Yours sincerely

Gary Russel Slee

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