

28th September 2019

Parliamentary Inquiry into 5G

To whom it may concern,

My name is Sarah Arrowsmith. I live in Melbourne and have a small business offering nature play and tutoring for children. I work in the homeschool community and am astounded by the extremely high number of children suffering anxiety and living with autism. A wide range of professionals agree that nature engagement is beneficial for learning, sensory integration and relaxation. I have grave concerns about the proposed roll out of 5G globally and locally as there would be no escape for any living being from being perpetually bombarded by EMF radiation. I am writing this submission on behalf of myself, current and future generations. I object to the deployment of 5G due to the impact it will have on health. When will children, or in fact any living being, be given an opportunity to recalibrate in nature? I believe the current rise in diagnosis of childhood illness and disabilities associated with neurodiversity (ADHD, ASD, SPD) and the increased rates of diabetes, fibromyalgia and cancer in the wider population, are related to the current and previous exposure to 3G and 4G technology over the past 30 years. I am horrified at the thought of 5G being tested on the population at the Grand Final today. I trust there is a government body responsible for measuring the health effects of today's experiment on approximately 70,000 people. I believe this technology has not yet been proven safe and therefore should not be rolled out.

How can I be assured that there are no health risks to me and future generations? Despite widespread denial, the evidence that radio frequency (RF) radiation is harmful to life is already overwhelming. The accumulated clinical evidence of sick and injured human beings, experimental evidence of damage to DNA, cells and organ systems in a wide variety of plants and animals, and epidemiological evidence that the major diseases of modern civilisation—cancer, heart disease and diabetes—are in large part caused by electromagnetic pollution, forms a literature base of well over 10,000 peer-reviewed studies.

The capability of 5G encompasses technology, if the telecommunications industry's plans for 5G come to fruition, that means no person, no animal, no birds, no insect and no plant on Earth will be able to avoid exposure, 24 hours a day, 365 days a year, to levels of RF radiation that are tens to hundreds of times greater than what exists today, without any possibility of escape anywhere on the planet. These 5G plans threaten to provoke serious, irreversible effects on humans and permanent damage to all of the Earth's ecosystems.

The government must also seriously consider the health implications of 5G in education while the current situation is that schools already expose children to EMF radiation at rates that far exceed the recommended guidelines for safe use with 4G devices.

Immediate measures must be taken to protect humanity and the environment, in accordance with ethical imperatives and international agreements.

#### **I call upon the government**

(a) *To take* immediate measures to halt the deployment of 5G on Earth and in space in order to protect all humankind, especially the unborn, infants, children, adolescents and pregnant women, as well as the environment;

(b) *To follow* the [United Nations Convention on the Rights of the Child](#) and [Council of Europe Resolution 1815](#) by informing citizens, including teachers and physicians, about the health risks (to adults and children) from RF radiation, and why they should and how they can avoid

wireless communication and base stations, particularly in or near day-care centres, schools, hospitals, homes and workplaces;

(c) *To favour and implement* wired telecommunications instead of wireless;

(d) *To prohibit* the wireless/telecommunications industry [through its lobbying organizations](#) from [persuading officials](#) to make decisions permitting further expansion of RF radiation, including ground- and space-based 5G;

(e) *To appoint* immediately—without industry influence—international groups of independent, truly impartial EMF and health scientists with no conflicts of interest, [\[120\]](#) for the purpose of establishing new international safety standards for RF radiation that are not based only on power levels, that consider cumulative exposure, and that protect against *all* health and environmental effects, not just thermal effects and not just effects on humans;

(f) *To appoint* immediately—without industry influence—international groups of scientists with expertise in EMFs, health, biology and atmospheric physics, for the purpose of developing a comprehensive regulatory framework that will ensure that the uses of outer space are safe for humans and the environment, taking into account RF radiation, rocket exhaust gases, black soot, and space debris and their impacts on [ozone](#), [\[121\]](#) [global warming](#), [\[122\]](#) the atmosphere and the preservation of life on Earth. Not only ground-based but also space-based technology must be sustainable [\[123\]](#) for adults and children, animals and plants.

Yours Sincerely,  
Sarah Arrowsmith

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*Play is children's work.*