

From: [REDACTED]
To: [Committee, Communications \(REPS\)](#)
Subject: Online petition against the rollout of 5G
Date: Tuesday, 15 October 2019 3:01:08 PM

Dear Sir/Madam

Our family of 5 and many people we know are against the rollout of 5G. In many places around the world the 5G network is being stopped due to proven negative health effects. In Australia, Barristers such as Ray Broomhall indicate that the rollout of 5G without our consent goes against the Criminal Act as it is classed as an assault on our health. He is making the decision makers personally liable should they proceed.

We are in favour of advancements in technology but please furnish us with written scientific proof that the technology of 5G is safe and we will reconsider our position.

A summary of the major points is below.

Deployment of 5G networks is undemocratic

- Radiation-emitting antennas are being installed outside and close to people's homes without their approval and despite their objections. We know that carriers often, if not routinely, ignore letters of objection they receive from residents they've notified under the Mobile Phone Base Station Deployment Code.
- Last year the Federal Government amended the Telecommunications (Low-impact Facilities) Determination 2018 to encompass small cell antennas so that communities, councils and state authorities would be denied the opportunity to have a say about where these antennas are located.
- By favouring of the rights of the telecommunications industry over those of the community, the Federal Government demonstrates a disregard for the principles of democracy.
- Australians have a right to have a say about the installation of radiation-emitting infrastructure outside their homes that is intended to penetrate their homes and impact on every individual within, no matter how young, old, sensitive or unwell.

Deployment of 5G networks is premature

- The 5G network is being deployed well in advance of scientific evidence that it is safe. There is no research to show that exposure to the specific features of the 5G signal will be safe for humans, animals, insects and the wider environment in the long-term.
- Trials of 5G technology have not incorporated surveys of affected populations to gauge their response to exposure.
- Compliance with the ARPANSA RPS3 Standard does not guarantee safety, as some of the assumptions underpinning this standard have been scientifically discredited (for example, that only thermal exposures cause health problems). Hundreds of scientists and doctors have called for a revision of the international standard on which it is based (the EMF Scientist Appeal). 1
- Overseas authorities, such as Geneva and Vaud, have called for moratoriums on the rollout of 5G networks pending the release of relevant research.
- Not only is there no evidence that 5G is safe, but there is evidence that it is not.
- 5G equipment emits radio frequency radiation that is a Class 2B carcinogen.

- Thousands of peer-reviewed scientific studies show adverse effects on the body, consistent with ill-health, from exposures that comply with international standards.
- Some people report symptoms that correlate to exposure, including headaches, sleep problems, memory/ concentration problems, nausea and dizziness.
- The frequencies above 20 GHz intended for 5G are used for military technologies, including crowd control.

Deployment of 5G is unnecessary

- How many communications networks does Australians need?
- The NBN is still being rolled out in order 'to connect Australia and bridge the digital divide, nbn's key objective is to ensure all Australians have access to fast broadband'. 2 Currently 3G and 4G networks are available as well as the 5G network that is being rolled out and 6G is on its way. Each of these networks involves the construction of a matrix of radiating antennas, with more antennas needed for higher frequencies.
- Experience tells us that Australians do not want antennas located outside their homes, school and childcare centres etc.
- EMR causes impaired memory, including spatial memory
- EMR causes hyperactive behaviors
- EMR causes increased levels of 5-Ht which could lead to memory problems
- EMR causes changes in the hippo-campus of the brain, involved in memory formation, learning and emotions.
- EMR causes increased anxiety-like behaviors
- EMR causes reduced GABA and aspartic acid in the cortex and hippo-campus which could cause anxiety.

Some effects on locomotion have also been observed.

EMR alters brain structure

According to medical authors, studies show that exposure to EMR caused structural changes in different regions of the brain.

- It increased the permeability of the blood-brain-barrier in the medulla, cerebellum, hypothalamus, hippo-campus and cortex which, the authors said, is 'detrimental to the brain'.
- In the hippo campus, it's been shown to cause degenerative changes, including loss of neurons, loss of granule cells and changes to pyramidal cells. One study showed 'congestion, hemorrhage, enlarged perivascular spaces, and deformed nuclei'. Some research showed that exposing a pregnant animal to EMR caused degenerative effects on the hippo-campus of the offspring.
- In the cerebral cortex, exposure caused degenerative changes, including neuroinflammation and contracted cytoplasm. It caused degenerative changes to Purkinje cells and reduced the numbers of these cells.
- In the amygdala, there is some evidence that exposure caused oxidative stress and cell death. According to medical authors, these structural changes of the brain could be caused by:

Oxidative stress (caused by free radical damage), which interferes with learning and memory, contributes to anxiety and neurodegenerative disease, can cause cell death and may promote tumours. 'Exposure to RFEMR induces an imbalance in the oxidant/antioxidant defense system in the brain indicating that the internal environment of each brain cell was getting disturbed by the insult,' the authors said.

Many of the worlds top scientists are calling on the WHO to stop the 5G rollout until evidence can be brought forward that the technology is safe.

Let's hope Australia and its Government will protect the population and halt the rollout until the technology is proven safe.

Regards

Edward Loffeld