

16/10/2019

TO: House of Representatives Standing Committee on Communication & the Arts

RE: Parliamentary Inquiry into fifth-generation mobile network technology

I am a mother of two young children and write this submission in the hope that this inquiry will halt the current deployment of fifth-generation(5G) wireless technology until there is sufficient independent, peer-reviewed evidence to prove that I, my family and all living organisms will not suffer any adverse health effects relating to man-made pulsed, non-ionizing(non-thermal) electromagnetic radiation(EMR).

I must be clear, I do not consent to the deployment, adoption and application of 5G wifi technology in Australia, as currently proposed.

Radio-frequency electromagnetic fields are classed as a Group 2B carcinogen by the International Research for Cancer(IARC). Our levels of exposure are ever increasing with the adoption of wifi technology by society, therefore as concluded on the widely recognized [www.bioinitiative.org](http://www.bioinitiative.org) reports from as little as 5 years ago are no longer as relevant as today and need to be continually updated, as they have stated "Since 2017, the large number of newly published studies on neurological effects; and on free radical damage (oxidative effects) has warranted updating our research summaries again in 2019."

It is my understanding that once 5G is fully deployed, in space via low-earth orbiting satellites, and at street level with antennas every 10-20 houses there will be no escaping this pulsed radiation 24 hours a day, 7 days a week, 365 days a year. My children are still developing- as stated in February 2019, US Senator Richard Blumenthal announced that there has been no safety studies done in regards to 5G technology- are my children and my community to be the laboratory rats for this global rollout?

As it stands most of Australia is now connected to the NBN. It therefore seems appropriate that the safer and faster alternative of fibre-optic from node to premises be the way of the future. Already most children are exposed to wifi all day at school- hard wiring reduces the potential risks to their health caused by EMR. During a recent conversation with a qualified building biologist she

confirmed with me that our body mends and recuperates when we sleep- this concerns me as there would never be any respite from 5G once fully deployed. APRANSA guidelines only refer to the thermal effects of EMR, but studies show it can potentially cause cellular breakage(DNA damage)- again I refer to the peer reviewed studies on the BioInitiative Report Section 6: Evidence for Genotoxic Effects- RFR & ELF DNA Damage.

APRANSA also states 'In our community today there are a range of devices and applications that utilise higher frequencies, for example security screening units at airports, police radar guns to check speed, remote sensors and in medicine.'

I therefore ask the question- will 5G be like living inside an airport scanner 24/7 and would that be safe?

I implore the elected representatives of the citizens of Australia to halt the deployment of 5G and please complete due diligence in regards to the health and safety of all life that may be affected by its execution.

Thankyou for your time.

Yours sincerely,

Mandy Mason