

## Submission to the Inquiry into 5G in Australia

With regard to the **deployment of 5G** in Australia, I consider it imperative that a thorough INDEPENDENT investigation of the health impacts of 5G be carried prior to the widespread deployment of this new technology.

As 5G will require substantially more towers than current technology, and the wavelength used is significantly different to current technology, it would display a significant lack of due diligence and lack of foresight for the Government to allow the deployment of this new technology without a thorough understanding of its likely consequences. If there is a significant harm potential, then we could possibly avoid devastating consequences not only for human health but for biodiversity in general, as well as any economic ramifications. The precautionary principle should be followed as a basic standard.

It is my understanding that some peer-reviewed scientific studies **have been** conducted into the health impacts of 5G radiofrequency radiation, and they have shown adverse health effects. No doubt others more versed in the research will provide specific references for the Committee to consider.

Prior to the widespread deployment of 5G, at a minimum I would expect that careful consideration would be given to the health impacts on:

- humans across all age groups
- during gestation
- childhood learning and development
- insects, animals and plants
- people with existing health conditions, as the population consists of healthy as well as unhealthy people

The consequences of long-term 24-hour exposure should be of particular interest, as that is the exposure that will be experienced in the real-world setting. If such studies do not exist, then it would be extremely concerning if the deployment were to go ahead without any evidence of the health impacts of such exposure.

Major flaws in previous health studies into telecommunication technology should be understood and ameliorated. For instance:

- the health impacts of the use of mobile phones was limited to only whether mobile phones caused heating of tissues and not the actual impact exposure had on function within tissues and cells
- the effects of how the technology will actually be used in the real-world setting should be investigated rather than in an artificial laboratory setting (the effects of location of towers, proximity to multiple buildings, transmission through different building materials, different landscapes etc).

The Australian population should NOT be allowed to become guinea pigs in an involuntary 'experiment' conducted by the telecommunication industry. Would you want a 5G tower located outside your child/grandchild's bedroom window without knowing how it will affect their health in the immediate and distant future?