

We The People
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We the People 379 5G Mobile Communications



Good day to you. When I was in my 20's I worked at radio 2GO in Gosford in engineering. The transmitter and antenna system was located in a cow paddock at Ourimbah just north of the studios. There were two tall antenna masts just under 200 feet each and arranged to reduce interference in certain distant places. We periodically carried out necessary maintenance late at night. I remember well that in the pitch darkness we had light a plenty by simply holding an unconnected florescent tube which lit while the transmitter was running and it was the intense electric field which caused the fluoro tube to energise. It was uncanny and yet I went on to father 4 children. So as you can appreciate I have always had a cautionary interest in the various forms of electromagnetic radiation.

In our modern lives we are constantly bombarded by electromagnetic radiation from high voltage power lines, radio and television transmission, radar stations, microwave ovens and computer peripherals like Bluetooth and Wifi. To this add remote control devices, security systems and CCTV apparatus and of course mobile and wireless phones. The list is endless but there is good news as most of it operates at relatively inoffensive power levels and it's mostly non ionising radiation which does not cause cancer as far as science can determine. In contrast **UV ionising radiation** comes from the sun and can burn the skin and create cancerous cells but curiously some people feel better being tanned. So now the reason for this narrative and that's the new mobile communication system known as **5G**. In fact some people believe 5G is dangerous and some are saying it's responsible for the corona virus but this is pure fiction. In fact the perceived dangers from electromagnetic radiation are always circulating and most are without scientific foundation. However, like many of you I am still cautious and that's a good thing. So 5G simply represents the fifth generation of mobile communications systems but may operate at higher radio frequencies than have been previously used. This creates a number of challenges including coverage which is limited compared to earlier systems. This means there must be a lot more **5G 'base stations'** deployed and it will be common place to see these 'cell transmitters' installed everywhere including on power and light poles right outside people's homes. Typically they will only service a small number of houses so there will ultimately be thousands of these transmitters. 5G radio frequency transmission signals cannot penetrate most physical materials and typically bounce around to produce adequate coverage, they are however relatively low power but psychologically I still don't want one outside my home. Psychology is an important part of the human condition.

Now there is a real and present danger with 5G but this will be different to what you might expect. Connectivity is the relative 'advantage' of 5G as this allows for a myriad of connections with a wide range of devices. Much has been said about the Chinese company Huawei and claims have been made they will use their 5G system to spy on us and this is highly likely and technically quite possible. What we have learnt is the communist Chinese Government and its sycophantic corporations cannot be trusted. They are liars and deceivers. So the Australian government was right to limit Huawei in supplying 5G network equipment in the interest of national security. Indeed there are dangers within this powerful network and in our homes including personal tracking and surveillance **which is already being sold off to marketing companies** thus impinging on our civil liberties. 5G will unlock a vast array of new applications and activity only dreamt of once including remote surgery, navigation in self driving cars, and prisoner surveillance. Some optimists class 5G as superior to the NBN network delivering blistering speeds hundreds of times faster than fibre. As with all new systems we should be cautious and not rely simply on guarantees especially from those with a vested interest. Have your say now and write to your Federal and State members and ask questions about 5G safety and security. In this Democracy it's always our responsibility as we the people, to tell those elected to serve, what we want.

Until next time this is Kent Bayley