

This hand out is part of the Sunshine Coast Computer Club Inc., “Duty of Care” to its members, to keep them up to date and informed on the potential hazards of wireless technologies.

LEGAL OPINION

on whether it would be in contravention of human rights and environmental law to establish the 5G-system in Denmark (May 4th 2019)

There are a large number of peer reviewed scientific papers referenced in the full legal opinion. Page 64 has the legal opinion conclusion. <http://sccc.org.au/downloads/LegalOpinionOn5G.pdf>

Important extracts:

Extract Page 13:

”The Epidemiological studies reported since the 2011 IARC Working Group meeting are adequate to consider RFR as a probable human carcinogen (Group 2 A). However, they must be supplemented with the recently reported animal data as performed at the Ramazzini Institute and the US National Toxicology Program as well as by mechanistic studies. These experimental findings together with the epidemiology reviewed here are sufficient in our opinion, to upgrade the IARC categorization of RFR to Group 1, carcinogenic to humans.

In light of the evolving science concerning mobile phone and screen time exposures and the longer-term risk of cancer established by both epidemiological and toxicological studies, current evidence is strong enough to go from precaution concerning possible risk to prevention of known risks.

The precautionary principle should be applied now and suitable warning messages provided to adults and critically to children and their parents.

experimental evaluations and modeling are essential before distributing newer systems (e.g. 5G) for which no safety data have been obtained. The absence of systematic testing of such technologies should not be confused with proof of safety.

In the meantime, the evidence amassed thus far from epidemiology strengthens the case for instituting the precautionary principle with respect to exposures to RFR, especially to young children and men and women that wish to reproduce. ... Where studies have been carried out on human sperm quantity and quality there are increasing indications of serious human health impacts. To ignore those findings and subject humans to unevaluated novel RFR frequencies places current and future generations at risk.” (Emphasis added.)

Extract Page 17:

The (Danish) Minister of Health, in her reply dated April 12th 2019 to question 693 in the Danish parliament's Health and Elderly Committee, presented figures from the Danish Health Registry's cancer registry, which show a clear increase in registered cases of cancer, in the form of glioblastoma, within the last 20 years.

The increase is particularly noticeable from 2005 to 2006 in individuals more than 30 years of age, and on average shows a doubling of the number of cases in this age range in the period from 2006 to 2017, compared to the preceding period from 1995 to 2006.

Altogether, there is an almost 80% increase in occurrences from 2015 to 2017, compared with the general level prior to 2006.

Reduce your family’s exposure, WiFi Safety Guide, <http://sccc.org.au/wifi/microwave-safety-chart.pdf>

Web link address to this handout, <http://sccc.org.au/downloads/legalextracts5g.pdf>

Potential 110 Times Regulatory Exposure Limit For Children!

The “Berkeley Cell Phone Right To Know Ordinance” requires mobile phone retailers in the USA city of Berkeley to post this notice:

"The City of Berkeley requires that you be provided the following notice: To assure safety, the Federal Government requires that cell phones meet radiofrequency (RF) exposure guidelines. If you carry or use your phone in a pants or shirt pocket or tucked into a bra when the phone is ON and connected to a wireless network, you may exceed the federal guidelines for exposure to RF radiation. Refer to the instructions in your phone or user manual for information about how to use your phone safely."

10th December 2019 - USA - Supreme Court Rejects Cell Phone Industry Challenge To Berkeley Ordinance

Extracts:

"The court agreed that our precious First Amendment guarantees that we have the right to know that cell phones emit radiation and that levels can be exceeded when phones contact the body. Astonishingly, the industry argued that compelling them to provide information about tested distances set for large adults denied their right to keep this information hidden as part of their right to free speech.

*Investigations at FCC accredited labs by the [Chicago Tribune](#), the law firm of [Fegan Scott](#), and [CBC Broadcasting](#), as well as [tests](#) of hundreds of phones by the French government disclosed that the Berkeley advice may well understate exposures. **Some of the most popular smartphones emit up to 11 times as much radiation as permitted under outdated FCC radiation exposure guidelines when tested against the body."***

<https://www.ibtimes.com/supreme-court-rejects-cell-phone-industry-challenge-berkeley-ordinance-2882980>

Children are not small adults, their biology and physical size are very different. Extract from page two of a research article, link below:

"The use of cell phone in children is dangerous due to the closer proximity of the mobile phone to their brain compared to adults; the average RF exposure from its use is higher by a factor of 2 in a child's brain and by a factor of 10 in the bone marrow of the skull.

Brain and bone marrow have a higher conductivity in children than in adults and receive a higher energy deposition from RF sources. With age, the bone marrow progressively incorporates more fat, and the bone itself increases in thickness, hardens, and loses water over time, thus making the tissues less vulnerable."

The statement of 11 times the radiation exposure limit if used against the body, in the Berkeley Ordinance article above, is for a large adult male body size. This means the child dose equivalent above the USA regulatory limit would be much much greater, because their body size and head size is much smaller than a large adult male.

Extrapolating from the information provided in the research paper, it would mean that children, using some of the most popular smartphones, would potentially be exposed to, an equivalent of 11 X 2, or 22 times above the regulatory limit for their brains, and 11 X 10, or 110 times greater for their skull bone marrow!

Every parent should be socked by this revelation!!

Research Article Link: (The full article can be downloaded as a PDF if you click the download PDF button, at the top left of the page, under the article heading.) <http://www.journal-ina.com/article.asp?issn=2394-2916;year=2018;volume=5;issue=1;page=1;epage=5;aulast=El-Hamd>