

Swisscom admits that WiFi can Harm People

Swisscom reveals the true DANGER of WiFi in a patent application. Swisscom is the leading telecom provider in Switzerland and it devised a way to reduce the microwave radiation from WiFi (also known as WLAN or wireless local area network). In its patent application, Swisscom clearly states the elevated risk of cancer and genetic damage from the constant low level microwave/RF exposure from WiFi.

Below are excerpts from page one and page two. The full application is at the bottom of the page.

"The influence of electrosmog on the human body is a known problem. The health risk from mobile radio transmitters (WiFi base stations) handys and DECT telephones has been an explosive subject among the general public...To meet the concerns of science from the legislative side, the permissible limit values have thus been lowered several times (in Switzerland) and technology has been increasingly focused on this problem. The risk of damage to health through electrosmog has also become better understood as a result of more recent and improved studies. When, for example, human blood cells are irradiated with electromagnetic fields, clear damage to hereditary material has been demonstrated and there have been indications of an increased cancer risk

(Mashevich M., Folkman D. , Kesar A., Barbul A. , Korenstein R. , Jerby E. , Avivi L., Department of Human Genetics and Molecular Medicine, Tel-Aviv University, Tel-Aviv, Israel, "Exposure of human peripheral blood lymphocytes to electromagnetic fields associated with cellular phones leads to chromosomal instability," Bioelectromagnetics, 2003 Feb. , 24 (2): 82-90).

"Control experiments (without microwave/RF radiation) carried out in the temperature range of 34.5 to 38.5 °C showed that elevated temperature is not associated with either the genetic or epigenetic alterations...These findings indicate that the genotoxic effect of electromagnetic radiation is elicited via a non-thermal pathway. Moreover aneuploidy is to be considered as a known phenomenon in the increase of cancer risk."

Please note, the permissible microwave radiation limits in Canada have never been lowered, as they have been in Switzerland and many European countries. Canadian guidelines do not protect against or acknowledge any biological changes.

"Thus it has been possible to show that mobile radio radiation can cause damage to genetic material, in particular in human white blood cells, whereby both the DNA itself is damaged and the number of chromosomes changed. This mutation can consequently lead to increased cancer risk. In particular, it could also be shown that this destruction is not dependent upon temperature increases, i.e. is non-thermal."

From page 5, section 25:

"Despite increasingly strict national (Swiss) guidelines with respect to legally specified limits, the impact of electrosmog in WLANs on the human body can be considerable. Moreover it is to be expected that this impact will

continue to increase in the future for many people...First, more and more applications require additional, usually higher-energy frequency bands in order to be able to meet the growing need with respect to transmission rate."

From page 6, sections 5-15:

"There has been a lot of effort put into providing evidence for the detrimental effects of electrosmog and setting corresponding limits. Limits and guidelines alone will not suffice, however, to further contain the electrosmog in WLANs since the development in WLANs runs in exactly the opposite direction, as mentioned above. WLANs even represent zones in which people usually spend longer periods of time (place of work, Internet, network games, etc.) and are therefore to be considered as particularly problematic with respect to radiation impact...This means that even when the WLAN is not being used at all, an underlying stress from electromagnetic radiation remains for persons in the Basic Service Area of an access point of the WLAN. For example, in the case of WLANs at places of employment, such as offices, etc., there exists therefore permanent stress from electrosmog from the WLAN on the employees of the company or organization."

The entire Swisscom international patent application can be viewed [click here](#)

It was filed September 2004. Since that time, hundreds of more studies confirming health effects and biological changes from microwave/RF exposure have been published. Personal experiences of harm and illness from wireless devices have been routinely reported. Despite all the evidence, Health Canada and our provincial governments and school boards, promote unlimited exposure to microwave radiation and refuse to investigate when children or adults get sick from it.

Our governments and school boards act like a sales team for wireless. Even the telecom companies don't say their products are without risk. Only our governments do.

See also [Telecom Warnings](#)