

A Closer Look at the Peel District School Board Wi-Fi Report Reveals... **Radiofrequency RADIATION LEVELS in Peel Schools** **Are Putting Students at Risk**

Peak Peel D.S.B. Classroom Spatial Average Radiation Levels Exceed Levels Found Within 100m of a Large Cell Tower

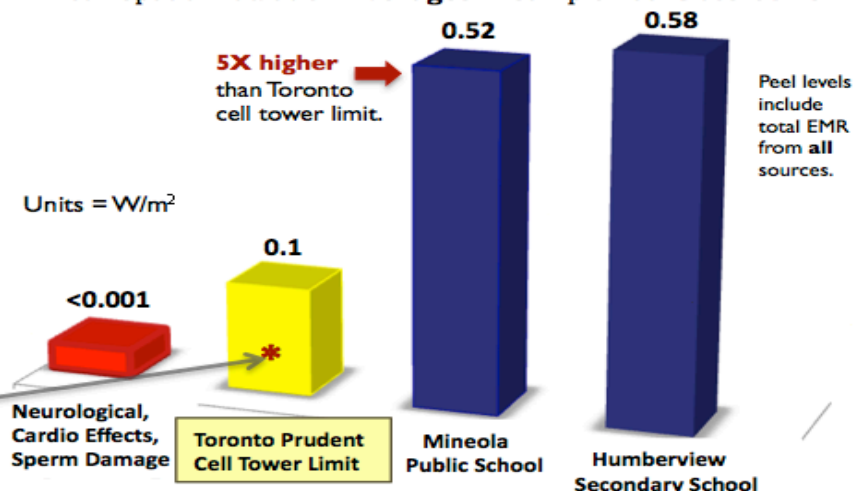


Winston Churchill Cell Tower

***0.02W/m² at 100m distance**

Source: Peel Parents 4 SafeTech

Peak Spatial Radiation Averages In Sample Peel Classrooms



Peel D.S.B. Wi-Fi Report (2014): <http://www.peelschools.org/aboutus/21stcentury/byod/wifi/Pages/default.aspx>

Toronto Prudent Avoidance (Cell Tower) Limit was set as a precautionary measure in 2007 by the Toronto Board of Health. It was implemented in order to protect citizens from the potentially dangerous radiofrequency radiation levels from cell towers in places where citizens would spend a lot of time daily. Radiation levels within 100m of a cell tower typically fall below this prudent limit. Radiation levels in Peel D.S.B. classrooms with Wi-Fi are another story.

Students spend 1170 hours per year in a classroom.

“Peel Parents...we have a problem.”

- Electromagnetic testing in Peel classrooms captured radiation from all sources but totals included values with only 4 wireless devices in operation. Results from a recent YES youth survey indicated that there could be up to 52 personal wireless devices turned on in any one class at any one time. 80% of students admitted that they rarely turn off the Wi-Fi on their devices even when not in use. More devices = higher radiation levels.
- Published peak spatial average radiation levels in Peel classrooms are 5X higher than the Toronto Prudent Avoidance (Cell Tower) limit and up to 27X higher than levels recorded within 100m of a large cell tower. Unlike home routers, commercial grade school Wi-Fi routers cannot be turned off when not in use.
- Near exposure levels are not being measured by the Peel D.S.B. or by the Canadian government. Levels are taken at ‘various distances away’ from the source. Students often place their wireless devices right against their bodies near sensitive organs. A 2010 reading captured at a student’s laptop in Simcoe County reached almost double the current (revised) Safety Code 6 exposure limit for Wi-Fi and was simply disregarded.
- Safe Use of Technology instruction with respect to how children might protect themselves from cumulative exposure is non-existent in schools. Manufacturer warnings that come with cell phones are necessary to guard against excessive exposure but are being ignored by a Peel board BYOD (Bring Your Own Device) policy that encourages students to bring in their own wireless devices without addressing any required precautions.
- Scientists estimate that at least 3% of the population may be severely electro hypersensitive (EHS) and suffer immediate reactions (headaches, rashes, heart palpitations etc.) upon exposure to Wi-Fi, a part of the EMR spectrum classified as a 2B possible carcinogen by the World Health Organization. Statistically, 3% suggests that over 5000 Peel students and teachers could be reacting to Wi-Fi without knowing the root cause.

The time to act is now. Visit <http://c4st.org/PDSB> for more information.