

Wireless technology & health



Health Canada

“Based on scientific evidence... low-level exposure to radiofrequency (RF) energy from Wi-Fi equipment is not dangerous to the public. This conclusion is consistent with the findings of other international bodies and regulators.” **Visit:** <http://bit.ly/10tZM45>.

All Wi-Fi devices must meet Safety Code 6 (SC6). *“RF energy emitted from Wi-Fi equipment are typically well below these safety limits.”* **Visit:** <http://bit.ly/Z1BaA1>. All installations and equipment (incl. routers—those used in schools and homes) must, and do, comply with SC6 limits for uncontrolled environments. In Peel schools, the majority of routers will be placed in hallways.

Safety Code 6

“Safety Code 6 offers the best protection for Canadian workers and the general public, for several reasons: it is based on the weight of evidence [...] from hundreds of peer-reviewed RF studies; [...] and its limits, based on established biological effects, are among the most stringent in the world.”

Visit: <http://bit.ly/16EWH1B>.

Definition of the general public: *“All persons not employed as RF and microwave-exposed workers or those not working in controlled environments (areas). They include pregnant women, the aged, children, the chronically ill and disabled.”* **Limits of Human Exposure to Radiofrequency Electromagnetic Energy in Frequency Range from 3 kHz to 300 GHz. Safety Code 6. Ottawa: Health Canada 2009**

Industry Canada

Industry Canada conducted an extensive series of tests to measure RF exposure from the use of Wi-Fi devices in a simulated classroom setting (Case Study: Measurements of Radio Frequency Exposure from Wi-Fi Devices, **Visit:** <http://bit.ly/Y6qNHM>). *“This study, performed in late 2011, confirms that the level of RF exposure is considerably below than the SC6 limit [...]. The wireless devices that were studied operate at higher power than most Wi-Fi devices currently available in Canada.”*

Ontario Agency for Health Protection and Promotion

“RF exposures to the public, including school children, from Wi-Fi are far lower than occur with cellphone use and to date there is no plausible evidence that would indicate current public exposures to Wi-Fi are causing adverse effects on health.” **Visit:** <http://bit.ly/10HM AIM>.

“Research on potential health effects from exposure to RF energy is an active field of investigation. [...] up-to-date reviews of literature which follow a weight of evidence approach are far more useful [...] than reliance on individual studies.” **Visit:** <http://bit.ly/10HM AIM>.

World Health Organization

“No obvious adverse effect of exposure to low-level RF fields has been discovered [...] further research aims to determine whether any less obvious effects might occur at very low exposure levels.” **Visit:** <http://bit.ly/14Xm02V>.

The Peel District School Board will continue to rely on the expertise and standards of organizations like these to guide our use of technology in schools, as they regularly review the most current scientific literature to inform respective guidelines and policies based on the weight of evidence.