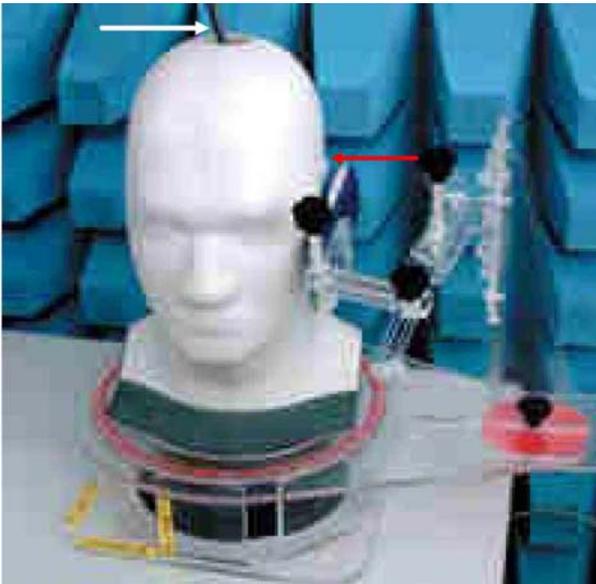
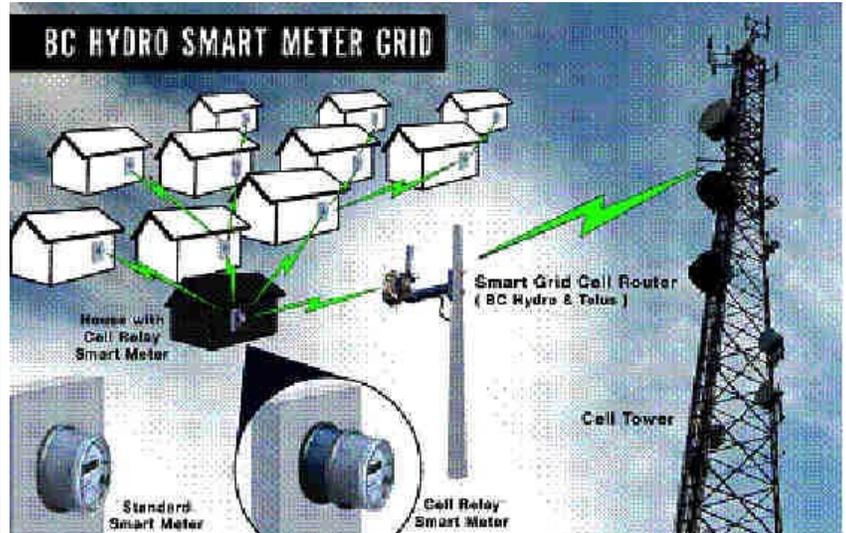


Specific Absorption Rate Used For Human Exposure to RF EMFs



Specific Absorption Rate



BC Hydro Wireless Smart Meter Grid

Safety Standards related to human exposure to radio frequency EMFs are based on decades of scientific literature but admit science is missing linking the frequencies to adverse health effects. [Safety Code 6](#) states "**lack of evidence of causality, biological plausibility and reproducibility greatly weaken the hypothesis for such effects**". [Safety Code 6](#) also says "**unintentional stimulation of tissue is to be avoided as is the heat effect.**" Intentional stimulation of tissue is medical imaging in controlled environments with the subject in intended position of use and wearing protective clothing.

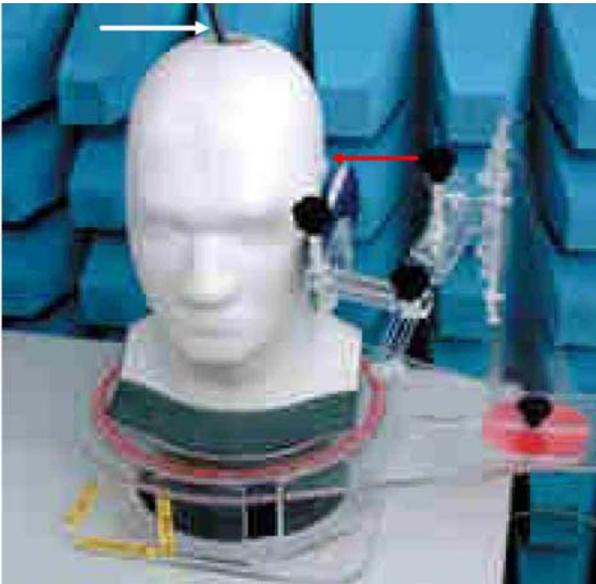
[Safety Code 6](#) uses the same science standards as the FCC and other international science bodies. They have adopted the Specific Absorption Rate (SAR) and a picture of the test model is at the top left of the page. This is the test used for cellphone, Wi-Fi and Smart Meter Safety. Health Canada deemed Wi-Fi and Smart Meter frequency exposure acceptable 24/7. The wireless computers and smart meters weren't held against the head. BC Hydro states distance from the meter makes you safe and that the meter base reflects the meter frequencies away from the building.

The science linking the frequencies to adverse health effects was reported to Health Canada and by expert witness at the request of Canadian Parliament's Standing Committee on Health. The Specific Absorption Rate assumed people were hit by the frequencies in a localized area. The SAR test left out the cell towers communicating with the cell phone. The frequencies, electrical information and vulnerability of biological systems wasn't included in the SAR test.

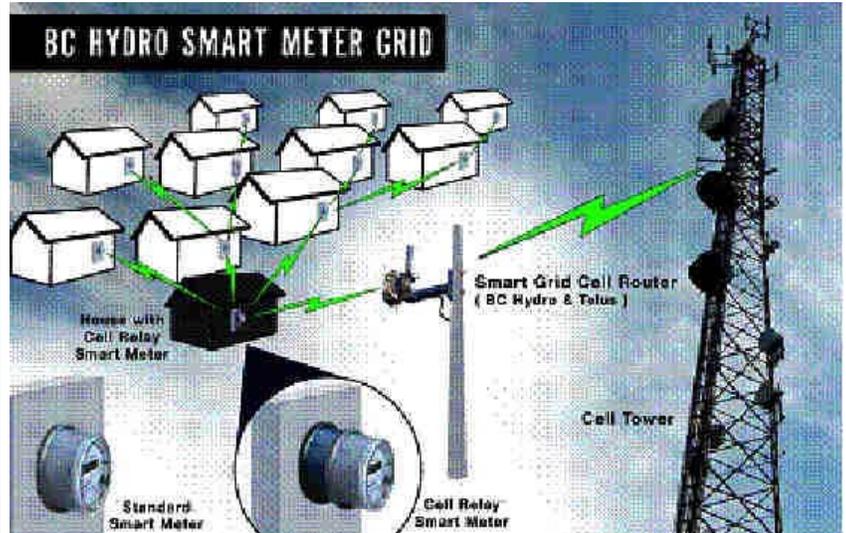
The diagram top right is BC Hydro's wireless smart grid and demonstrates distance from the meter is irrelevant for biology in the coverage areas. Anything in the coverage area is being stimulated and that is to be avoided. Incorporating the wireless infrastructure, missing frequencies of biology shows causality, biological plausibility and reproducibility missing in [Safety Code 6](#).

The admission there is a low power density means you are in the circuit, you can't leave millions of frequencies out of a frequency equation. Electrical Engineers and other science professionals weren't informed critical electrical information was left out of an electrical equation.

Specific Absorption Rate Used For Human Exposure to RF EMFs



Specific Absorption Rate



BC Hydro Wireless Smart Meter Grid

BC Hydro's diagram of the wireless smart grid demonstrates everything in the coverage area is radiated by the frequencies.

The frequency interactions with everything biological in the coverage areas has to be considered and evaluated by the qualified science professionals including the electrical profession qualifying interaction.

The wireless frequencies go through buildings interacting with structural components, fire separations, occupants, pacemakers, health monitoring equipment, etc. There is a physical interaction with the frequencies at molecular levels affecting building code compliance by vibrating the building billions of times per second or twice the speed of the frequencies.

Accelerated corrosion of infrastructure costs within the wireless coverage areas have to be considered.

With the missing science reported linking the frequencies to adverse health effects, the dangers of the wireless frequencies are now lectured in medical education for continuing education credits required for medical licensing. That makes it accepted medical education, not just opinion.

The Provincial Government, BC Hydro, Fortis, BCUC and all across the board have to comply with [Safety Code 6](#) by not stimulating or heating tissue. The Canadian Wireless Telecommunications Association's compliance with Safety Code 6 is mandatory and a condition of license for new towers as well as existing towers.

The tower frequencies as applied won't comply with [Safety Code 6](#) and negates sharing infrastructure costs with BC Hydro in a wireless application.