

Frank Clegg  
CEO, Canadians For Safe Technology, C4ST  
PO Box 33  
Maple Grove Village Postal Outlet  
Oakville, ON, Canada, L6J 7P5

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Senator Woodsome, Representative Dion,  
Honourable Members of the Joint Committee  
On Energy, Utilities and Technology

RE: LD 883 Cellular Telephone Labeling Act

(check against delivery)

Dear Members of the EUT Committee:

Thank you for the opportunity to address you this afternoon. I have worked my entire career in the technology sector. As the former President of Microsoft Canada, I have witnessed the incredible benefits technology can provide. I have also seen the potential risks if technology is not used appropriately. I believe there is potential harm in the unsafe use of wireless devices today.

Almost 3 years ago I helped found the organization, Canadians for Safe Technology. C4ST is a not-for-profit, completely volunteer-based coalition of parents, citizens and experts whose key mission is to educate and inform Canadians and their policy makers about the risk of exposure to unsafe levels of radiation from technology.

I am here today to offer my support for LD 883, the Cellular Telephone Labeling Act.

Most recently, our Member of Parliament in Canada introduced a private members bill, Bill C-648, "Warning Labels for Radio Apparatus Act". This bill has received support from Members of Parliament from all five political parties including the Health Critic for the official opposition, who is a seconder on the Bill.

We have also been successful in convincing the Parliamentary Health Committee to hold hearings on Safety Code 6, Canada's guidelines for wireless devices.

Over the previous two plus years, I have had the opportunity to meet personally with over a dozen leading medical or research experts in the field of the effects of electromagnetic radiation. These experts are from institutions such as Yale, Harvard, Columbia, University of Toronto and one is a Nobel co-laureate award recipient. I am convinced there is harm from wireless devices the way we use them today. I have resigned from all the technology company boards on which I previously served, and am dedicating primarily all my efforts with C4ST.

There are thousands of peer-reviewed, published studies that show harm from wireless devices at levels below our current North American safety standards. Some of the most disturbing studies involve cancer from cell and portable phone use.

However, we are not here to debate the science.

I believe we can agree on the following:

1. No manufacturer or distributor of cell phones, nor any regulatory body says that cell phones are safe.
2. What they can say is that they meet all safety regulations

3. Unfortunately, our track record in North America is not stellar. We reacted very late to the harmful effects of tobacco, asbestos, BPA, thalidomide, DDT and urea formaldehyde insulation
4. The World Health Organization, in 2011, classified all wireless devices as a Class 2B possible carcinogen. Lead and DDT are in that category.
5. Americans and Canadians believe in the right to know
6. No matter what our political party, we expect our government to be transparent
7. This is an issue that can be supported across all party lines

I am disappointed in the behaviour of my industry. There is an opportunity to take a proactive approach and help North Americans use technology safely.

None are taking the lead. Not Apple through to Microsoft. None of them have any notices clearly visible on the products we are putting in the hands of everyone, and increasingly our children.

To date, you have to go on a search mission to find their safety warnings buried in the devices that all of us use in our daily lives.

Most individuals are not aware that there are specific warnings associated with cell phones. I have handed out a page with some examples.

Apple states: "keep iPhone at least 5/8th inch away from the body."

(The safety warning must be found as follows: Go to Settings > General > About > Legal > RF Exposure.)

Blackberry states: "Use hands-free operation if it is available and keep the BlackBerry device at least 0.98 inch from your body (including the abdomen of pregnant women and the lower abdomen of teenagers)"

The Samsung Galaxy II User Manual on page 164 "For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5cm from the body."

Many of us don't know that cell phones are not just receiving devices. They are a broadcast device. Every 9/10<sup>th</sup>s of a second these devices send out a burst of radiation to locate the nearest cell tower.

My industry's reaction to any form of legislation, from any level of government, is predictable. We will yell long and loud about the potential impact. I don't believe there will be revenue or funding impacts. I don't believe there will be loss in productivity nor competitive advantage. What will happen is what I have seen for over 35 years. There will be initial grumbling. Then we will get to work and not only find a better solution, but a cheaper one. There are far too many benefits, personally, socially and for business for anything else to happen.

I am especially concerned about children. Children are not "little adults"; their brains are not fully developed until age 20. Their skulls are thinner and can't block the radiation as well as an adult brain. Studies show that the radiation from a cell phone penetrates 70% of the brain of a five year old vs. 10% for an adult. In Belgium it is illegal to market cell phones to children under seven.

The purpose of LD 883 is to protect citizens by changing the way we think about cellular telephones; by empowering them with the information they need to understand how to use them safely.

We are not advocating for No technology, we support the Safe use of technology.

We must remember:

Wireless devices may cause cancer. Handle with care. And learn to use the technology safely.

## Samples of RF Warnings From Wireless Devices Found Deep Inside Their User Manuals

(Below are examples of different brands from the different wireless device categories. Most if not all other brands within the same category share the same or similar RF warnings)



**Apple iPhone** - "iPhone's SAR measurement may exceed the FCC exposure guidelines for body-worn operation if positioned less than 15 mm (5/8th inch) from the body. When using iPhone near your body for voice calls or for wireless data transmission over a cellular network, keep iPhone at least 15 mm (5/8th inch) away from the body, and only use carrying cases, belt clips or holsters that do not have metal parts and that maintain at least 15 mm (5/8th inch) separation between iPhone and the body."

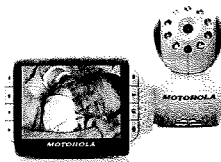
(NOTE: APPLE RECENTLY STOPPED DISTRIBUTING MANUALS WITH THE IPHONE AND THE SAFETY WARNING MUST NOW BE SEARCHED FOR DEEP WITHIN THE TEXT ON THE PHONE ITSELF) Go to Settings > General > About > Legal > RF Exposure



**BlackBerry** - "Use hands-free operation if it is available and keep the BlackBerry device at least 0.98 in. (25 mm) from your body (including the abdomen of pregnant women and the lower abdomen of teenagers) when the BlackBerry device is turned on and connected to the wireless network. (Torch 9800) > User Manual > Page 21



**Samsung** - "For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5cm from the body." (Galaxy II) > User Manual > Page 164



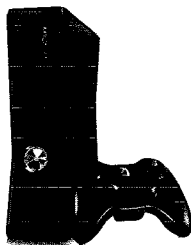
**Motorola MBP36 Wireless Baby Monitor** - "The Baby unit shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more. This Class B digital apparatus complies with Canadian ICES-003."

(NOTE: The labeling requirement for ICES-003 link on Industry Canada's website leads to a broken link). User Manual > Page 23



**iPad** - "... to be sure that human exposure to RF energy does not exceed the FCC, IC, and European Union guidelines, always follow these instructions and precautions: Orient the device in portrait mode with the Home button at the bottom of the display, or in landscape mode with the cellular antenna (located under the black edge at the top of the device) away from your body or other objects..."

"...iPad Wi-Fi + 3G is designed and manufactured to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC) of Canada, and regulating entities of Japan, the European Union, and other countries." Go to Settings > General > About > Legal > RF Exposure



**Microsoft X-Box** - "...The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb)". Found On-Line