

Minister of Health



Ministre de la Santé

Ottawa, Canada K1A 0K9

ADUT 11 2011
AUG

Mr. Curtis Bennett
info@thermoguy.com

Dear Mr. Bennett:

Thank you for your further correspondence of June 17, 2011, concerning the safety of radiofrequency (RF) electromagnetic energy. The Honourable Peter Gordon MacKay, Minister of National Defence, has also forwarded to me a copy of your correspondence of May 4, 2011.

The exposure limits specified in *Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz - Safety Code 6 (2009)* have been established through the evaluation of scientific literature over the past several decades on the thermal and non-thermal effects of RF energy on biological systems. Safety Code 6 includes limits for maximum external electric and magnetic field strengths to avoid *in situ* electric field strengths greater than that of the minimum excitation threshold for excitable tissues (e.g., nerve and muscle stimulation).

Based on the available scientific evidence, the Department has determined that exposure to RF energy below the established exposure limits in Safety Code 6 is not dangerous to the public, including children. These conclusions are consistent with the findings of other international bodies and regulators, such as the World Health Organization and the International Commission on Non-Ionizing Radiation Protection, as mentioned in my response of October 18, 2010.

Health Canada's exposure limits are reviewed regularly by an external expert panel of the Royal Society of Canada. The most recent review was conducted in October 2009 and the next scheduled review is to take place in 2012.

Regarding the Standing Committee on Health's recommendations of December 2010, the Department acknowledges the need for ongoing research to assess the potential long-term negative health effects of RF energy. Health Canada has a number of current and ongoing research activities on the potential health impacts of electromagnetic radiation and evaluation of exposure frequencies.

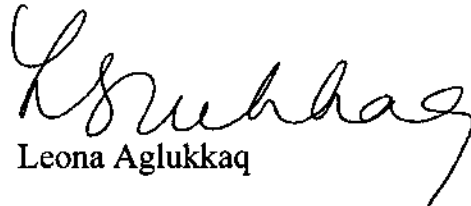
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The Department continues to monitor and analyze ongoing scientific research on this issue. Should new scientific evidence arise demonstrating that exposure to RF energy causes negative health effects, Health Canada will take appropriate action to revise its guidelines.

I appreciate having had this opportunity to respond to your concerns and trust that this information is helpful.

Sincerely,

A handwritten signature in black ink, appearing to read 'Leona Aglukkaq', written in a cursive style. The signature is positioned above the printed name.

Leona Aglukkaq