

E-Coder R900i™
Inside Version



When the R900i device is transmitting, which is generally less than one minute per day and for 7 milliseconds at a time, the manufacturer has determined the exposure to radio frequency energy at a distance of 20 centimeters (8 inches) from the meter is 0.06 mW/cm² or approximately 10 times lower than the exposure limit set by Health Canada.

A recent study commissioned by the Town of Fort Erie through the Ontario Environmental Safety Network has confirmed that the radio frequency transmission from the R900i meter falls well below Health Canada Safety Code 6 Standards.

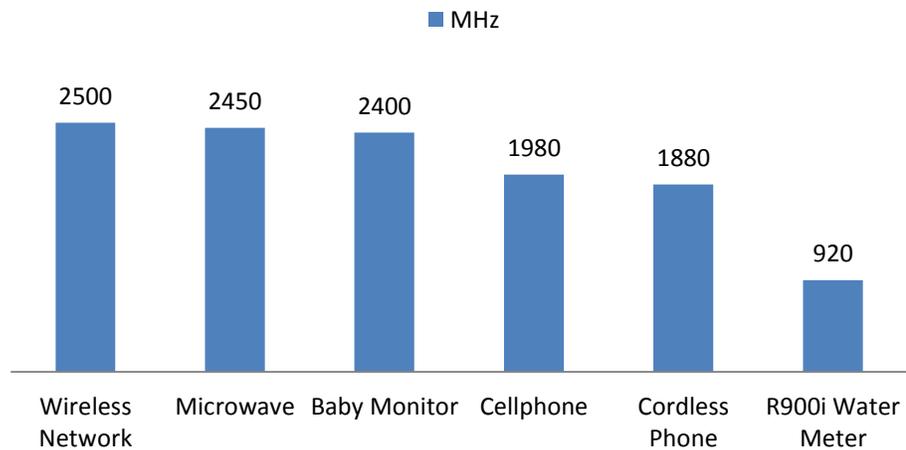
Commissioned Study Results

Location	Study Results	Safety Code 6 Limit	Results as % of Limit
1 foot from meter	1.69 x 10 ⁻¹⁰ mW/cm ²	0.607 mW/cm ²	0.00000003%

The result above represents what a person would be exposed to if they stood 1 foot from the meter over a period of time. As you move farther away from the meter, exposure levels decrease.

The table to the right provides a comparison of the radio frequency transmissions of popular devices within the typical home environment.

Radio Frequency Comparison



The RF exposure limits set by Health Canada are 50 times lower than the lowest exposure level at which human health effects occur, including thermal and non-thermal effects. Safety factors have been incorporated into these limits to add an additional level of protection. Based on all the available scientific evidence, the Department has concluded that the levels specified in Safety Code 6 are well below the threshold for any potential harm and are current and valid for protecting the health and safety of Canadians, including children and the most vulnerable.