

Nick Doe, *EMF survey on Gabriola*, Gabriola Sounder, p.6, October 3, 2011.

Dear Editor

Being a curious person, I recently surveyed the power levels of electromagnetic radiation and the strengths of electric and magnetic fields all over Gabriola and in my own home. I looked at both radio frequencies (RF) up to 8 GHz and at the power line frequency of 60 Hz. The results were quite a surprise. Gabriola is evidently remarkably free of electromagnetic radiation. Once you are away from people and buildings, there is no measurable radiation. Along roads with power lines, fields are weak because on major roads the distribution lines are three-phase which greatly reduces field strengths away from the lines. I spent many hours in the 707CP and never once recorded a signal of any kind above my two instruments' internal thermal noise levels. Both instruments use up-to-date technology and are sufficiently sensitive for this task.

The critical factor in all cases is how close you are to the source of the radiation, and for this reason, levels I recorded were always highest in my own home. Although I cannot be sure, I would say most of the RF radiation I observed was coming from cellphones, particularly on the ferry. Wi-Fi networks have a limited range and long stretches of all roads on Gabriola were essentially free of RF radiation.

Anyone wanting the full report of the survey will find it at:

<http://www.nickdoe.ca/pdfs/Webp658.pdf>

Regards

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