Parents For Safe Technology

(http://www.parentsforsafetechnology.org/electromagnetic-fields-and-cows.html)

Research on cows shows that these large mammals are significantly effected by EMF radiation. We think this should be a wake up call to humans who are mammals too!

Electromagnetic Fields,Wireless and Cows

[Cows: A big model for EMF research, somewhere between Vet-Journals and “Nature”](https://www.bems.org/node/14835%22%20%5Ct%20%22_blank)
Maren Fedrowitz, The Bioelectromagnetics Society, Sep 5, 2014, Department of Pharmacology, Toxicology, and Pharmacy, University of Veterinary Medicine, Hannover, Germany

* Effects of electromagnetic fields (EMF) on cows have been frequently discussed in public media as well as in specialist journals and meetings with agricultural, veterinary or dairy backgrounds. Indeed, in view of the available literature, it does seem that cows show EMF susceptibilities and respond to environmental exposures of a broad range of frequencies and properties:
* Cows are sensitive to the Earth´s magnetic field. Bovine magnetoreception can be influenced by external EMF, e.g. powerlines.
* Several physiological alterations in dairy cows exposed to extremely low frequency (ELF) EMF were reported without major indications for adverse health effects. Notably, the observed effects seem to be dependent on the magnetic field component or on combined electric and magnetic fields rather than on electric field exposure alone.
* Cows are sensitive to earth currents (stray voltage) associated with transients in particular harmonics. Milk production, health, and behavior seem to be negatively affected.
* Bovine responses to radiofrequency (RF) exposure include avoidance behavior, reduced ruminating time, and alterations in oxidative stress. These findings indicate possible adverse health effects. However, most of the studies have critical points (one-herd-case report, logistic problems in study design, lack of appropriate exposure assessment) that confirmation of the observed RF effects is clearly needed, though studies in such big animals are time-, place-, and money-consuming, and exposure assessment and dosimetry are challenging issues.
* Overall, cattle seem to be affected by environmental EMF exposure. Cows align to geomagnetic field lines and are influenced by ELF EMF

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