



Electromagnetic Field (EMF) intensity associated with two popular airborne electromagnetic (AEM) systems manufactured by SkyTEM (blue) compared to reference safety levels (orange), and household appliances (green) from approximately 1 foot from the appliances. During an AEM survey, the helicopter towing the sensor flies at a speed of approx. 50 mph as the measurements take only a few seconds to make. The electromagnetic noise from the system does not normally interfere with communications such as cell phones or radio.

Graphic prepared by Ian Gottschalk (Stanford University, 2019) based on information from:

- Gisselø, P. (2013). Transmitted field frequency content . Memo to SkyTEM Surveys ApS, Aarhus, Denmark.
- International Commission on Non-Ionizing Radiation Protection. (2010). Guidelines for limiting exposure to time-varying electric and magnetic fields (1 Hz to 100 kHz). *Health physics*, 99(6), 818-836.
- Long Island Power Authority. (2005). *Magnetic Field Levels around the Home* [Brochure]. Retrieved from http://ehs.ucsd.edu/LBCI/LIPA_Magnetic_Field_Levels_Around_Homes.pdf