

I am opposed to the use of unshielded power lined for broadband internet communication.

As one who listens to shortwave broadcast and as a licensed amateur radio and MARS operator, I already have much experience with ordinary power line interference and leakage from shielded CATV lines.

The radiation from unshielded power lines used for broadband internet communication would render the entire HF spectrum unusable for communication by anyone anywhere near any area where this technology was in use. As power lines exist in practically all areas of the country, no area would be unaffected.

I am sure you are aware that many services besides Amateur Radio and MARS depend on HF for communications such as state highway patrol, highway maintenance departments, and utility companies. This type of interference would seriously degrade the effectiveness of those services.

I have already experienced interference to an AM automobile broadcast receiver in localized areas where it appears some kind of digital transmission is being conducted over power lines. This interference would be multiplied manyfold if this technology was implemented over a wide area.

Your existing rules prohibit unlicensed radiation of much lower power levels with much shorter effective antenna lengths on any single frequency in order to prevent interference with other services. This technology would make that rule meaningless. I could operate a spark gap transmitter and no one could tell the difference.

Please do not permit the implementation of this technology.

Thank you.