

In response to the request for comments on Broadband Over Power Lines, I have the several points to make. I am a federal employee for 36 years with Masters Degree in Electrical Engineering and an Amateru Radio Operator for 43 years, so I have some background in this matter.

The possible interruption to all existing HF and VHF services must be taken seriously from an economic and security standpoint. If the FCC permits a large noise source to exist, it seems it has lost most of its power to maintain any kind of a useful communications system and probably, since radio noise will permeate the ether, from every point on the compass, it will no longer be able to track offenders, whether they be licensed operators or terrorists, who need to be tracked down.

Second, I can't see why the use of power lines could be considered a more useful way to deliver broadband. A single fiber can carry much more information than a power line, and there are many "dark" fibers already installed which could be purchased for just such a scheme.

Lastly, I believe that there are many "hidden costs" to this methodology, such as needing to have bypass switching around all circuit breakers, transformers and other components, which will drive up the cost of this system and if it is implemented, may provide no real economic benefit to outweigh the lost spectrum purity.

Thank you for listening to my comments.