

I am fully against the proposal to allow broadband internet and data connections to be transmitted over power lines using PLCs. I feel that the technology is not available to allow this service and prevent harmful interference to HF spectrum users.

I am in full agreement with the FCC's assessment that a way needs to be found to get high speed Internet and data to the rural locals of our nation. Having reliable data transmissions can be an asset to business and residential needs. My concern is that the FCC has not reviewed the impact that BPL (Broadband over Power Lines) will have to other services. Services that are more vital to the nation than rural internet access.

Most power lines are unshielded very long wires. The proposed broadband Internet signals will be carried on frequencies between 2 Mhz and 80 Mhz. Long unshielded wires at these frequencies are perfect resonators. The impact to HF users in this spectrum range from the use of BPL would be detrimental. There are a large number of Governmental, military, business, safety and welfare, and ham radio services operating in this spectrum area. Are these services less important than BPL?

When I heard about the proposal I researched the impact of BPL on HF spectrum and my findings confirmed my beliefs that BPL and current HF spectrum users will not be able to co-exist. Studies have been performed both in the United States and abroad and have found that BPL technologies have and do cause interference in the HF spectrum. A study by the Radio Society of Great Britain on the interference impact on HF communications by BPL in Great Britain is available at <http://www.rsgb.org/emc/pltnew.htm>. As you can see from the results of their studies BPL caused horrendous interference to HF receivers. Due to the type of interference noise that was created by BPL, DSP and other filtering methods were ineffective. Based on these findings it is obvious that HF communications will be detrimentally affected by BPL.

I respectfully request that the FCC consider the impact that BPL will have on the overall HF spectrum, the impact it will have to all the services that HF radio provides our citizens and nation, and the impact that it will have on emergency communications. In the time we are living in and the threats that our nation faces, is it time to hamper the abilities of our citizens to communicate so the power companies can sell Internet and data services? Do we sacrifice our enormous radio resources too allow instant messages and email to flow faster to rural places?? Please decline the proposal for special rules for implementation of BPL, and ask the power companies to find a more HF friendly way to transmit data using their power systems. Thank you.