

As a US citizen and taxpayer, I urge you to band BPL modes of digital communication in our country! In my opinion it would (1) detrimentally effect radio communication for us citizens (commercial and amateur), and (2)unnecessarily expose the US population to higher background levels of RF radiation. Broadband Over Power Line (BPL) technology poses significant interference potential to HF and low-VHF spectrum use between 2 and 80 MHz.

BPL modes of digital communication have been implemented in Europe with detrimental effects upon HF communication raising background radiation level from S5 to S7. This interference necessates even high RF radiation power output to successfully communicate by radio. The effects of high environmental RF levels on human health and the quality of life is a contemporary concern. BPL digital communication results in higher RF background level interfering with radio communication and exposing US population with higher background levels of RF radiation.

Amateur Radio is a valuable resource that must be protected. Amateur Radio is vital in national security in case of public service or emergency communication. The present FCC Part 15 limits this technology that results in substantial interference potential to amateur frequencies. BPL systems radiate on wide swaths of spectrum and system that occupy entire neighborhoods have greater interference potential than localized systems, such as switching power supplies or electric motors. The FCC has promised to protect licensed users of the spectrum. We must hold them to that promise.