

Dear Commissioners of the FCC,

I am writing in regard to Broadband Over Power Line (BPL) - Docket 03-104 - Using existing electrical power lines to provide Internet and broadband services to homes and offices.

As Amateur Radio operator K1IR [Amateur Extra Class], I am a licensed and active user of the HF spectrum where BPL will be deployed. I use this spectrum under both the Amateur Service and under the terms of the Amateur Satellite Service. My use of this spectrum is in support of the fundamental purposes of the Amateur Radio Service - public service, technical experimentation, and development of communication skills.

Additionally, I am a degreed electrical engineer with a specialty in analog and rf design, an MBA, and president of a telecommunications consulting company.

Any action taken by the FCC to encourage the deployment of BPL will be to the detriment of other valuable services occupying the same spectrum. As a result of interference to other spectrum users, BPL service will dramatically reduce the ability for Amateurs Radio to deliver the valuable immediate-response emergency communications services upon which our nation depends.

It is evident that the level of interference generated by BPL will make it impossible for many communications channels to be maintained. The videotape of actual BPL noise on the 14MHz band demonstrates that operations such as international and national emergency nets would be rendered inoperable in any area served by BPL. The interference generated by BPL would completely mask the desired signals.

The Amateur Radio Service has no competitive alternative. A nation that loses this service will not be able to replace it with any alternative with similar capabilities. On the other hand, BPL is yet another overlay network option for deployment of internet service.

BPL has no future. While fiber, cable, WiFi and twisted pair all have the potential to increase their capacities, BPL will dead-end at much lower transmission rates.

For all these reasons, I strongly recommend to the commission that no further action be taken to encourage the deployment of BPL in the United States. This is a technology that should be left behind.

Respectfully,

James S. Idelson