

### BPL

I am an amateur radio operator, FCC license W2Q0B. The implementation of Broadband Internet Access over Power Lines would have such a negative impact on amateur radio operation in the HF and MF spectrum as to render the amateur service totally useless. Amateur radio is a resource to our country that provides supplementary emergency communications, the development of technology, and an educational opportunity for youth and adults alike. All of this is accomplished by volunteers, without cost to the communities served in any way. The loss of the amateur service would severely detract from the nation's ability to respond to emergencies, a result that is counter to the recent recognition of amateur radio as a key component of the Department of Homeland Security.

Broadband internet access is able to be distributed in many ways without resorting to transmission over power lines. This is a serious threat to the amateur radio bands, since broad band digital signals running over unterminated and unshielded transmission lines are quite likely to radiate in places that are unintended and that are harmful to amateur radio and other services in the HF spectrum. Research in BPL test areas by the American Radio Relay League (ARRL) shows that the noise levels on the amateur HF bands will increase 35 to 37 dB. At the same time, amateur radio stations operating legally under Part 97 would likely interfere with internet users receiving BPL service. The result would be an unworkable situation for both groups.

I urge the FCC not to allow the transmission of broadband internet over power lines.