

Comment on BROADBAND over POWER LINE (BPL)

I strongly urge the FCC NOT repeat NOT to permit BPL to be installed and operated using any of the spectrum as allocated.

SUPPORT - Dynamic, 'on-site' real-world testing performed by qualified personnel have knowledge, ability, and skills in detecting, analyzing, and evaluating RF sources has shown (by empirical and actual tests) that BPL will have a deleterious effect on Amateur Radio.

The test bed was a vehicle, driving on public highways in three test areas where BPL IS NOW deployed as test sites.

This vehicle used a horizontal antenna (mimicing an average Amateur home-based installation and used a common variety of Amateur transciever.

Videotape evidence of the results of the test were made and stored.

I have reviewed these tapes and listened to the on-scene signals received in the mobile monitoring station.

Having reviewed actual recordings, provided by the American Radio Relay League, which utilized a vehicular (mobile) monitoring platform using a commonly available Amateur

Radio transciever (TS-440S) and a horizontal trapped dipole mounted on the vehicle's roof.

It was obvious from the video/audio displayed that the noise level of BPL was sufficient to render any communications impossible unless the stations were running a large amount of POWER and were able to overcome the increased noise level of the BPL signals.

This will preclude Amateurs from performing their Part 97.1 chartered duties of public service, service to Country, Community, and each other, and eliminate almost ALL of the activities that Amateurs now participate in which are REQUIRED for us to maintain our skills to support the charter described in Part 97.1 (BASIS AND PURPOSE) of the Amateur Radio Rules and Regulations.

IT IS IMPERATIVE THAT BPL - in its current form and configuration - NOT BE ALLOCATED SPECTRUM SPACE which will

- 1- DENY Amateurs the ability to maintain, improve, and enhance our skills.
- 2- DENY any chance of FUTURE spectrum management/authorizations due to the nature of the BPL signals being present on those bands
- 3- REMOVE the ability of the VAST MAJORITY of amateurs to use and explore those HF spectrum areas authorized to them (since MOST hams live in areas where BPL will be deployed)
- 4- MAKE IMPOSSIBLE effective enforcement since BPL signals are not READILY able to be identified in order to isolate the offending signal to a specific source.
- 5- OPEN A 'Pandora's box' for other services to use BPL as a springboard to gain access to spectrum which they currently are denied due to the interference potential that their services will provide to already resident users of that spectrum

6- REMOVE the Amateur's ability to support and assist in the cause of Homeland Security which is what Part 97.1 directs our charter to be - support of the Nation.

7- STIFLE amateur experimentation in weak-signal work, etc.

Please DENY the BPL petitions. Remove the test sites from operation.

TO do so otherwise, invites consequences far more devastating than just the loss of spectrum for general Amateur use.