

Hello,

For the last 25 years I've been designing switch mode power converters. Many of them are used in communications equipment. I have a fair understanding of the pertinent sections of part 15.

We know that the hf frequencies used in the proposed BPL system will be radiated by the power lines and will cause harmful interference. The only question is can it be mitigated somewhat and is the benefit worth the problems it will cause. It has failed in every over seas test that I know of because the interference was a problem- but you already know that.

With better methods available using appropriate UHF frequencies (like non-line-of-sight) for broad band distribution it seems to me that BPL is a lousy idea.

I live in a rural area, FDM phone lines, no CATV, a hill that blocks my view of most satellites. Oh, and the power lines are literally falling down. I'd love broad band access but it's unlikely to happen except for a totally wireless approach. Let me emphasize the word- wireless.

Other than the persons selling stock in BPL companies, I cannot imagine why anyone would push for this obviously flawed system to be implemented. In the cities CATV lines already exist and in rural areas a wireless system is much less costly to deploy. BPL makes no economic sense from the engineer's point of view.

I beg you to reconsider this course of action and deny BPL the opportunity to pollute our shared resources in the HF spectrum.

Thank you for allowing me to comment on this issue.

Sincerely,

Craig Sharp
Senior Design Engineer
Power Designers LLC