

I support fully the well founded and well thought out comment submitted by The American Radio Relay League concerning Docket ET 03-104. I clearly remember the days when the cable systems were not fully shielded and know personally of the interference that can be caused. Experiments using

Broadband over Power Line have been conducted by the military and found to 1) create considerable interference to HF tactical communication systems used by governmental emergency and military users and 2) was, in turn, highly affected by transmitters located, in some cases, hundreds of miles distant via ionospheric propagation. I myself, was part of the practical evaluation of such a system intended for use over the powerlines that was conducted at Fort Monmouth, New Jersey over three decades ago. The result was abject failure and the need for power levels much higher than predicted by the model due to the power system's constantly changing impedance characteristics. This was not easy to control at a single frequency let alone the entire HF spectrum and a good piece of the VHF spectrum.

History is replete with examples of the practical incompatibility of Broadband over Power Line. One need only even briefly review the results of experiments by such companies as AT&T and RCA and the work of General Squire of the Signal Corps in the 20's and 30's to recognize the folly of even considering the resurrection of a highly destructive and divisive "technology". Proponents of this technology have no solid scientific basis for their claims. Quite the contrary, men far more greedy than they have been forced to reject the technology due to its inherent propensity to cause harmful interference and become itself rendered less than useful by radiation sources outside of their "system".

Further research and innovations in BPL will be needed to avoid the great risk that this innovative technology will not cause irreparable interference to services licensed to operate in the 2 MHz - 80 MHz frequency range. Approval of ET 03-104 would violate the existing FCC rules on non-interference and would be contrary to the best interest of the public.