

Please consider my opposition to PLC or BPL data distribution systems in the 1.7 MHz and higher frequencies. By its very nature these communications systems will radiate and interfere with already licensed and valuable amateur and commercial interests. Interference to low band television and by mixing products to even higher frequency services is probable. In some ways an even worse specter is interference from an amateur or other licensed HF user to someone's paid internet access service causing ill will between neighbors.

Some sources have estimated that "the ambient noise level near PLC systems could increase as much as 70 dB."

Because the power line system is already electrically noisy and already radiates, any further noise increase is unacceptable. In my current location the primary source of noise is faulty and arcing AC distribution lines. This level of RF compliance does not bode well for reliable data communications except at transmit levels that will ruin the spectrum for other uses.

The Japanese government in similar inquiries concluded that the HF band is not suitable for PLC. The Dutch Telecom Agency "has determined through measurements that signals are too strong and cause interference to radio communications." Because of interference and limited commercial viability the Dutch are not pursuing PLC at this time.

The monetary investment to install PLC data distribution systems would be better spent developing secure and robust fiber distribution. Any system that radiates widely could be subject to easy monitoring by unauthorized persons to mine personal data.

Please do not allow the HF spectrum to be ruined by an unneeded and ill-conceived service.