

At the 7th International Symposium on Power-Line Communications and its Applications at Kyoto, Japan March 26 - 28, 2003

2 presentations were given that provide technical insight and field observations of the proposed Broadband Over Power Line (BPL) technology.

"Interference measurements in HF and UHF bands caused by extension of power line communication bandwidth for astronomical purpose"

"Sharing studies between the radio astronomy telescopes and the power line communication systems in the HF region"

These papers summarize my opinion and desire for the Federal Communications Commission to reject the Broadband Over Power Line (BPL) technology and proposal.

The United States power industry would be better served by using the current single mode fiber optic cabling that is routed along many of its existing high voltage transmission line right of ways. The telecommunications industry compensates the power companies for this right of way, what is this income being used for?

Single mode fiber optic technology provides far greater bandwidth than could ever be achieved through the usage of the existing transmission lines with BPL without the creation of electromagnetic interference. Fiber optic technologies are immune from space-based interferences (e.g. solar-based eruptions) and potential EMP events in the future. The telecommunications industry could easily prevent BPL from ever becoming a viable economic model based upon the capacity of fiber optic cabling currently in the United States.

I urge the Commission to not select BPL as the technology direction for broadband expansion in the national interest. BPL has yet to prove its technology and business case for such a service investment.

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