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April 2, 2004

To:	FCC	FEDERAL	COMMUNICATIONS	COMMISSION
Re:	Title:	Broadband	Power	Line
Subject	Category:	Radio frequency	devices:	Broadband power line
Docket	Id:	03-104;	04-37;	04-29
CFR	Citation:	47	CFR	15
Published:	March	17,	2004	[FR Doc. 04-05271]
Comments	Due:	May	03,	2004
Phase:	PROPOSED RULES			

Dear Sir or Madam:

My greatest concern to this proposed rulemaking is the simple fact that future prospects of utilizing RF Devices over Broadband Over Power Lines will create more interference than the Commission anticipates.

The reason I state this is that many RF devices such as Amateur Radio Transceivers, Shortwave Radio receivers (RF transceivers and wireless receiving devices from 50 khz to 150 Mhz) are highly critical and dependent upon receiving and distinguishing transmitted signals as low as 0.02 uV or as much as -60db below the noise floor of any selected band.

As an Extra Class Amateur Radio Operator, It has been my experience on numerous occasions that trying to receive and transmit vital communications on a specific approved and authorized frequency with numerous unintentional and intentional radiators very near my location, spanning the complete spectrum from 50 Khz to 147 Mhz, has made many communications nearly impossible due to the transient and harmonic spikes created by these devices utilizing the ac power lines in my neighborhood.

I have dealt with wideband ac mains noise interference from neighborhood devices such as electric detaining fences for pets, electronic light dimming switches, a local neighborhood baby monitor that utilizes the ac household current to transmit it's signals and a local street light that occasionally has defects with the electronic photo sensing eye to turn on the lamp during evening hours.

I can not see how injecting additional wideband RF emissions (especially digital signals) into an already saturated ac poweline would be any more noise-free to the radio spectrum that I am dependent upon to communicate to others around the world by means of wireless transmissions and not be free from interference from such devices. I would be competing against a "massive unprotected RF induced wire antenna" that I would have no protection against for my federally licensed communications.

I hope that the Commission takes my thoughts into consideration.

● Page 2

April 2, 2004

Sincerely,

TIMOTHY M. STERNBERG – Amateur Radio Operator - ai5u
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