

I support ARRL, the National Association for Amateur Radio comments on Broadband Power Dated 07/07/2003 , that demonstrate the very real interference potential of Broadband over Power Lines(BPL) to Amateur and many other communication services now using the 1.7-80 MHz band.

Maxwell's laws for Electro-magnetics is at the root of radio engineering. The results of passing high speed currents on an unshielded wire are quite predictable. In fact, one of the largest sources of Part 15 interference (conducted and emitted) is usually through the AC power distribution system, not RF filtering. Have significant experience in my neighborhood with this. In addition, most modern equipment using switch mode power supplies where the input diodes can act as harmonic mixers. Several imported products that I've personally analyzed lacked filtering before the rectifier diodes making this a real problem potential.

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