

Broadband over powerline has limited distance usefulness as does DSL over telephone regardless of its advertized hype as easily observed when asking for a dsl conneciton over the 15,000 feet limit. 802.11a 802.11b and 80211g access points on powerline poles along with fiber optic trunk-lines would provide a more cost effective, quieter, and more secure environment because of microwaves shorter distance and fiber optics sheathed environment. Wireless access points are now less than \$150.00 each and fiber optic cable is less than \$1.00 a foot. Cable companies promised in their filings years ago that a coaxial system would not produce outside interference however older cable systems, the outside environment and harsh summer/winter weather allows radio signal leaks on city blocks easily detected with a hand-held radio or signal analyzer.

Simple Physics taught at American Universities dictate that radio signals travel over metal mediums and propagate into free space. FCC already poses strict guidelines for FCC type acceptance and antenna lenghts on most commercial/consumer equipment. Why would they give free unlimited reign on signal propagation to power companies. During peak sunspot cycles, Amateur Radio Operators talk world-wide on small antennas and radios on 24mc and 28mc. Common Sense, Math and Physics shows Interference will create problems. I have a BA degree in Chemistry with Physics, Computers, and Electrical Instrumention courses along with 15 years in the computer and telecommunications industry.

Please continue with existing Radio Interference policies and continue to inforce Power comanies to eliminate all radio interference from power lines.