

My name is John Evans. I was educated as a physicist in England, receiving a bachelors and PhD degrees from the University of Manchester. I was employed for 23 years by the MIT Lincoln Laboratory, where I worked on scientific uses of radar, and subsequently by the COMSAT corporation, where I was president of the Laboratories for 13 years and later Chief Technical Officer for four.

Electrical engineers know that radio waves may be made to travel along parallel wires without significant radiation - if the currents in the wires are equal and opposite. This require that the seperation of the wires be a small fraction of a wavelength and maintained perfectly parallel along their entire length. Power lines do not fulfill thse requirements! Efforts to transmit broadband signals on them will cause serious interference with short wave broadcast reception, amateur radio, military and other users of the spectrum, including emergency services, fire and police. It is bad public policy to initiate services of this type and imagine that there will not be a severe problem. The laws of physics cannot be suspended by hope, and assuming that a solution will be found is equally unlikely.