

Dear FCC,

One intractible technical issue gainst power line communication is that the outside plant is composed of many splices and joints composed of dissimilar metals. As we are aware, when these joints are oxidized, as many are, they may act as rectifiers. While they do not affect power transmission, the opportunity at zero crossing for additional noise generation is present. The rectified noise will generate all kinds of harmonics. We already see this with noisy power lines which the utilities do not generally care to correct. How much worse will it be if the wide spectrum of data communications signals are added to this already poor situation? I urge you to prohibit PLC in the United States.

respectfully,  
Patrick Jankowiak