

There has been enough testing in Japan and Europe to show that PLC will in effect make HF communications impossible in some areas and situations. The argument that competition in local distribution is needed to lower prices is clearly bogus. Wireless 802.xx technology will compete and not substantially interfere with existing communications services. Existing HF wireless systems i.e. telephone modems in the 3.5 mhz area in my neighborhood have ruined my useage of the 80 meter band. I have one modem located about .25 miles from my house that has a signal so strong and broad that 50 khz of the band is totally wiped out. PLC would be orders of magnitude worse as I read the charts and graphs of the testing that has been performed.

I further do not believe that stop-band rejection can work effectvely given the variability of so many factors regarding the poor quality of transmission the power lines present for data.

In conclusion, this is a bad technology that has been rejected by several countries for interference reasons. It will not make any significant impact on last mile distribution pricing given the competition already provided with and cable and DSL adding 802.xx technology. This is a solution looking for a problem and it will without question ruin HF communications and reduce effectiveness of some vhf communications as well. I urge the commission to not allow PLC communications in our country.