

Dear Sirs:

It has recently come to my attention that a form of broadband internet service is about to be tested using existing power lines (PLC). While this low-cost method of broadband internet access initially sounds like a good idea, I'm very concerned about the amount of radio frequency interference this method would create to existing users in the H.F. spectrum. Shortwave broadcasters and listeners, Amateur Radio operators (including myself), other government and military users, Citizen's Band users, many marine and mobile service users, and perhaps others would all be adversely affected by the level of incidental radiation from PLC. This could possibly limit the level of communications provided by these various services during national, regional, or local emergencies.

It could also produce unforeseen interference problems to medical devices such as Life Monitoring Equipment. These devices are sensitive to "stray" R.F. fields, one of the reasons for hospitals not allowing cellular or wireless telephones inside their premises. Other home entertainment equipment such as wireless telephones, television sets, home theatres, and more could be negatively impacted as well.

The government of Japan has already been through some experience in the PLC field with the end result of banning it's use because of interference problems. Amateur Radio operators and others in Europe are currently experiencing interference problems with this system, and the laws in Europe allow far less incidental radiation from power lines than the U.S. does.

I urge you to please study and test the interference potential carefully and without bias before implementing any rulings on PLC.

Thank you for taking the time to read my concerns.

Bryan A. Tennyson
Amateur Radio Station N4UXA