

ANY new standards for radiation and interference by PLC must take into account the amount of traffic on the line. Using spread spectrum technology, test in Europe have shown a single packet of data transmitted will cause little or no interference even at high levels of RF. On the other hand millions of packets being transmitted by PLC on a single power line will absolutely wipe out the HF spectrum to any use within tens of meters of the line.

Millions of packets of data will be transmitted in short periods of time over any PLC system connected to the internet with only a 100 or so active users.

Radio communications using just milliwatts of transmitter power and wire antennas is conducted on a regular basis in this country and around the world over distances of thousands of miles. Only a few milliwatts of HF rf on a power line will radiate over a large area. The FCC must make sure that it keeps its promise to protect all HF services from this interference and any new standards must be based on realistic real world uses of PLC as contemplated for the future by the users and the FCC.