

I am a licensed operator in the amateur radio service (KE4NNF). Alongside my 1/4 acre lot runs a set of elevated AC power lines that serves as the last mile distribution for AC power to the housing tract. These power lines are at about 30 feet in height. The city limits any amateur radio antenna tower to less than 70 feet of height. The furthest edge of my property is 93 feet from those power lines. My house is within 60 feet of those power lines. There is no way to orient an antenna on my property to minimize coupling between BPL energy on the power line and my amateur radio antenna. The close proximity guarantees that ANY BPL energy that falls in the amateur radio bands will dominate over medium distance and long distance communications signals. The part 15 limits on radiated energy are already too high, an example of which can be seen in my cellphone charger, which meets Part 15 requirements (I work for the company and monitored the testing), which causes interference to broadcast channels 2 and 4 on my home TV.

To summarize:

- 1) Devices that meet the current Part 15 radiated power limits already cause interference issues to radiated broadcast television.
- 2) Some homeowners properties are too close to power lines to be able to mitigate the radiated interference caused by BPL into the homeowner's receiving devices.
- 3) The current proposal does not give the amateur service, (or any service), any leverage to force the power companies to comply with the legal requirements of Part 15 in a timely manner.