

K6NR Receive Interference - Near Victorville, Ca

9/27/2019

Southerly interference

- Broad hash noise across 40m ham band plus artifacts; main artifacts are every 300khz or so
- Artifacts are strongest on 40m in midst of hash but evident well below and above, at least between 3 and 22 mhz.
- On 24/7
- Tracked down the electrical pole where noise is the strongest, about 1350 feet south-south-west of me
- Can hear strong artifacts on 80m (4.004 mhz is one)
- Pulsating buzz sound
- Can hear it on 20 meters, listening on AM on certain frequencies and rotating the antenna it becomes audible as the beam rotates south
- Hear a noise on 15m south as well, seems to be the same one

Easterly interference

- On 20m as the beam rotates from south to east the noise changes from the pulsating buzz to fluttery, like static crashes
- Seems to be worse during afternoons and evenings
- Same noise that I reported on to RFI in 2010, so it has been with me for awhile

SDR Plots - Southerly noise

- [Graph](#) sitting next to electrical pole adjacent to source
- [Graph](#) showing artifacts lower in frequency (from station K9AY Antenna)
- Another [graph](#) from station K9AY antenna
- Broad listening [SW on 40m 4 square](#) from station
- Broad [0-8mhz](#) listening on 80 meter vertical
- Listening on [15m yagi pointed east](#) and [10m yagi east](#)
- Listening on [20m yagi pointed south](#)
- [Wide at 15mhz](#) on 40/80m dipole

Sound Files - recorded in AM for the most part with Attenuator on

- Listening to southerly noise [artifact on 4.004](#) and at [40m peak](#) frequency
- Listening on [20 meters beam pointed south](#)
- Listening on [20 meters beam pointed east](#) - start in AM then switch to USB
- Listening on [15 meters](#) beam pointed south, [10 meters](#) beam pointed east