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Re: Harmful interference from experimental license WD2XEQ (File No. 0050-EX-ML-2003)

Dear FCC staff:

I believe with some certainty that recent interference to FCC licensed radio operation that I have experienced is caused by the Ambient Corporation field trial using Con Edison's medium voltage electrical transmission facilities operating under FCC Special Temporary Authorization with callsign WD2XEQ (File No. 0050-EX-ML-2003) in and around Briarcliff Manor, NY where I reside. The experimental power line communications system appears to be interfering with the operation of my licensed station in the 14 MHz band. Per the terms of Special Condition (1) of the Commission's Special Temporary Authorization, I ask that you have Con Edison immediately cease operation of this system until such time as the interference is resolved as they are interfering with a primary licensee of the frequency band in question.

I will be glad to work with you to demonstrate that the recurring interference I have detected is in fact caused by Con Ed's system. A simple "on-off" test of their PLC system should demonstrate whether it is the root cause as the

interference is fairly continuous in nature. Please contact me if you wish to do so and I will make myself and my station available.

Attached find my log describing the recent dates, times, frequencies, and description of the interference I have experienced, including one case where my communication with an international station was harmfully interfered with.

Today I have sent a similar letter to Con Edison Customer Communications, 511 Theodore Fremd Ave, Rye, NY 10580 with copy to Dr. Yehuda Cern of Ambient Corporation, the STA licensee, and Counsel for Ambient Corporation.

I look forward to immediate cessation of this harmful interference.

Sincerely,

E. Alan Crosswell

encl: Interference log for station N2YGG

Station N2YGK interference log

3/27/04 10:00

[Taking Sarah home from basketball at Claremont via Pleastanville Rd.]
Monitoring 14.212 heard interference while driving from Pleasantville Rd south of Old Briarcliff Rd, along Poplar and Dalmeny to Pine Rd. Interference was strongest about midway along Dalmeny. Sounded like an intermittent raspy square wave of about 1-2s duration preceded by 1 or 2 short bursts. Obviously not a lot of traffic currently being sent as there were fairly long silent periods of 5-10 seconds in between. If this had more than a single customer on it, the traffic would be more near continuous I imagine. The noise was an S9 at max using an FT-840 with a Hamstick 9120 vertical mounted to the rear bumper of my Chevy Suburban and it wiped out LY9Y calling CQ during CQ WPX contest. I normally get about an S4 noise level from the vehicle but was able to hear LY9Y calling quite clearly over it.

If I hadn't known there was a BPL trial along this route I would have had difficulty locating the interference as it is pretty much continuous along the entire route.

3/27/04 11:35

[Returning from dropping Sarah at Ossining Pizza via Pleasantville Rd.]
Took photos at 178 Dalmeny. Interference as described previously was read S9+20 at 14.217. Driving around the area (Pleasantville Rd North to Chappaqua Rd) heard S9+20 on 14.233. Took a photo of the traffic cam that I think is also connected to the BPL system.

3/27/04 15:10

[Returning from trip to supermarket and Citibank on Pleasantville Rd.]
While working DL00V in CQ WPX contest was forced to ask him to repeat his exchange when a burst of BPL clobbered his transmission. His RST 59 in between the BPL noise. (Exchange was his 59 #832 my 59 #005)
This was on Pleasantville Rd south just north of the intersection with Poplar.

3/28/04 07:29

[Driving to Briarcliff Bagels on North State Rd via Washburn to Carlton to Rt 9A North to North State.] BPL QRM on 14.294 from North State and Rt 9A and north on North State to Chappaqua Rd. Worked NN4N and NM50 in CQ WPX.

3/28/04 07:39

[Returning from Briarcliff Bagels.] QRM on 14.213 on Chappaqua Road between North State and Carlton. Drops off at Carlton where I turned right. This stretch of Carlton has underground power lines. Worked K5TR in CQ WPX.

3/28/04 20:01

[Going to Chelsea's to pick up Rachel.] QRM on 14.162 starting at Carlton and 9A and continuing up 9A to left on North State and right on Pleasantville Rd north through Orchard Rd in Ossining. Heard most strongly along Pleasantville Rd between North State and Mulberry Rd, where it completely covered a QSO I was trying to monitor.

3/30/04 17:00

Contacted Con Ed customer service to file an interference complaint. I gave the location of the interference as in the vicinity of Pleasantville Rd and Poplar Rd and up to Old Briarcliff Rd. The customer service agent said he would open a trouble ticket and took my name and daytime phone number. I asked for and was given a postal address to send a written complaint.