

Attachments page for Form 422

Confirmation Number: EL429717

File Number: 0119-EX-PL-2005

Question #7-

If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items:

- a. The complete program of research and experimentation proposed including description of equipment and theory of operation.
- b. The specific objectives sought to be accomplished.

How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

Exhibit:

The complete program of research and experimentation proposed including description of equipment and theory of operation is as follows:

The purpose of the program is to test 4.940 – 4.990GHz public safety multi-point wireless broadband data equipment in a real market environment.

The equipment will be installed in an outdoor configuration, building or tower top, and will be configuration to interconnect police, fire, or traffic control systems in a live test with these objectives:

1. Verify range and performance in LOS and NLOS propagation environments
2. Verify data throughput with a variety of data loads
3. Verify data priority queuing of critical vs. non-critical traffic
4. Verify integration into NOC management systems and methods
5. Verify latency impact on public safety applications

The RF specifications are as follows:

Modulation type	TX power (dbm)
1-5	13
6	12
7	11
8	9

Channel bandwidths are: 20Mhz, 10Mhz

Operating minimum and maximum channels @20Mhz: 4952.5, 4957.5, 4962.5, 4967.5, 4972.5, 4977.5.

System is working at OFDM and using BPSK, QPSK, Qam16 and Qam64 modulation types.