

Question 7: Purpose of Experiment

- a. The complete program of research and experimentation proposed including description of equipment and theory of operation.

Data collection of remote water and sewer infrastructure. Base radio located on water tower connected to our LAN. Remote radios located at pumping stations and connected to programmable logic controller. SCADA software displays the data at the remote sites.

- b. The specific objectives sought to be accomplished.

To see if data collection at other sites can be successful. Longer distance on one site and more vegetation at the other.

- c. 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.

These tests will verify if these frequencies will be a viable alternative to our 900MHz system we currently operate.