

February 5, 2004

Narrative Statement
Form 442
Line 7

Duke Power has initiated a Broadband Over Power Line Project to test power line communications equipment and determine if there is a market for the technology as well as testing of utility applications. The service is being offered free to one hundred (100) of our customers passing five hundred (500) customers.

Description of Equipment and Theory of Operation:

The PLC equipment is to be provided to Duke Power by Main.Net Power Line Communications, Inc.. The equipment consist of PLC modems, repeaters, and a concentrator unit. RF signals travel between the different devices along the Duke Power electric system to provide high speed internet service to each of the customers connected as well as communications to Duke Power line equipment such as capacitor controls and meters.

Objectives:

To test the PLC equipment and technology.

Potential Contribution to Radio Art:

The potential to utilize RF signals to pass high speed data along electric lines for both power company applications as well as internet access.