

Experimentation Description

U.S. Telemetry Network, Inc. (“U.S. Telemetry”), hereby submits its request for authorization to test equipment and to conduct limited market tests of equipment to operate in the 218.5-219 MHz frequency band for digital telemetry applications. U.S. Telemetry has reached an agreement with Southeast Wireless, the B-Block 218-219 MHz licensee in the Baton Rouge, LA MSA to use the B-Block 218-219 MHz frequencies to conduct the test. In addition, the companies listed below have agreed to participate in the limited market test that U.S. Telemetry plans to conduct within the market.

Dixie Electric Membership Corporation
16262 Wax Road
P.O. Box 15659
Baton Rouge, LA 70895

Baton Rouge Water Company
8755 Goodwood Blvd.
Baton Rouge, LA 70806

Arcadia Ambulance & Air Med Services
P.O. Box 98000
Lafayette, LA 70509-8000

U.S. Telemetry requests authority to test one-way and two-way communications during the period of its authorization. The operation will include multiple, low duty-cycle, transmit-only and transceiver devices at fixed locations throughout the Baton Rouge, Louisiana MSA. These devices will broadcast short data bursts (200 msec or less) to three centrally-located base station sites. The transmit-only devices and transceivers will be located at approximately ground level and will transmit with an effective radiating power (“ERP”) of less than 2 Watts. The antennas that will be tentatively used at the CTS site are Antennex Y22030 or YDAF2184. Additional antennas that might be used are currently being evaluated. The centrally located cell transmitter stations (“CTS”) site antennas will be located on the towers listed below.

<u>Address</u>	<u>Lat./Long.</u>	<u>FCC Tower Registration Number</u>
103 Dort St., Baton Rouge, LA	30-27-48/91-11-21	1035932
5550 Mancuso, Baton Rouge, LA	30-23-45/91-06-16	1015906
10395 Cassle Rd., Livingston, LA	30-28-21/90-54-50	1047476

Initially, the CTS site will be passive receivers. Eventually, U.S. Telemetry will test the CTSs at a transmit ERP of less than 20 Watts. All transmissions will utilize Frequency Modulation (FM)

techniques and will use burst-mode transmission packets less than 200 msec in duration. This telemetry data will be relayed from the CTS to a remote site via a modem and telephone line. This operation will comply with current FCC Part 95, Subpart F Interactive Video and Data Service ("IVDS") regulations. 47 C.F.R. Part 95. There is no Channel 13 television station within the Baton Rouge, Louisiana MSA.

U.S. Telemetry will retain ownership of all equipment used during the test. U.S. Telemetry plans to deploy approximately 135 remote units will be deployed within the Baton Rouge, LA MSA. The companies that will participate in the limited market test will not be charged for the service during the period of the experimental authority.

U.S. Telemetry requests the experimental authority for a period of two (2) years.