

U.S. Telemetry Corp.
Request for Experimental Special Temporary Authority (STA)
Exhibit 1

Description of Equipment/Service to be Tested

Pursuant to 47 C.F.R. § 5.202(j), U.S. Telemetry Corporation ("U.S. Telemetry") hereby submits a request for an experimental STA in order to test equipment to operate in the 218.0-218.5 MHz frequency band for digital telemetry applications. U.S. Telemetry is under an agreement with Trans Pacific Interactive, the A-Block 218-219 MHz licensee in the Bakersfield, CA MSA for one of its affiliates to acquire the A-Block 218-219 MHz license. Under the STA, Texaco Development Corporation will be involved in the testing of the equipment at their operating oil fields.

U.S. Telemetry requests authority to test one-way and two-way communications during the period of their STA. The operation will include multiple, low duty-cycle, transmit-only and transceiver devices at fixed locations throughout the Bakersfield, CA MSA in order to test steam meter reading equipment in oil fields. These devices will broadcast short data bursts (200 msec or less) to a [centrally-located cell transmitter station \("CTS"\) site](#). 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 CTS antennas will be located on the tower\(s\) listed below.](#)

Address	Lat./Long.	FCC Tower Registration Number
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1.2 Miles N of intersection of Chester Ave. and Manor St. Bakersfield, CA	35 27 55N; 119 01 04W	1011041
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[Initially, the CTS site will be a passive receiver. Eventually, U.S. Telemetry will test the CTS 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 regulations. 47 C.F.R. Part 95. There is no Channel 13 television station within the Bakersfield, California MSA.](#)

U.S. Telemetry has obtained the requisite FCC equipment authorization for the equipment being tested under the STA. Due to the immediate need to test the equipment, U.S. Telemetry requests authority to conduct the tests described above until its affiliate can complete the acquisition of the license for the Bakersfield market.

[U.S. Telemetry will retain ownership of all equipment used during the test. U.S. Telemetry plans to deploy approximately 500 devices within the Bakersfield, CA MSA. U.S. Telemetry requests the STA for a period of six months. U.S. Telemetry reserves the right to request an extension of any STA in accordance with the Commission's rules.](#)