Date:	8/23/99
To:	FCC Wireless Telecommunications Bureau
From:	Schlumberger RMS Inc.
cc:	Trung Lang
Subject:	Exhibit A01
Description	Attachment to experimental license application for 442 dated 8/23/99

Purpose for requesting an experiment License in the MAS service (952MHz to 956MHz).

Schlumberger RMS is developing a new technology for AMR (Automatic Meter Reading) applications. The protocol used is the Itron Protocol for which Schlumberger is licensed. AMR using this protocol requires a RF signal in the -70 dBm level at the meter unit receiver to activate the meter unit transmitter. The devices used on the meters (electric, gas, and water) transmit in the 902MHz to 928MHz ISM band and are existing installed and FCC approved devices. This license application is for the mobile wake up transmitter portion of DBDC2000 that emits an AM tone modulated RF signal between 952MHz and 956MHz.

The new technology involves the receiver portion of the DBDC2000, and this module has already been certified under a Declaration of Compliance by U.S. Technical a compliance laboratory in Alpharetta. The identification for this product is name: Maps Mobile Unit, model # DBDC101 R/S.

The object of these tests is to determine the percentage of successful meter reads achieved with the transmitter/receiver using the new technology. In order to conduct the test, the mobile unit must be driven to locations where Itron protocol meter devices of three types, electric, gas, and water have been installed and are operational. These locations are typically in various towns and cities across the State of Georgia, hence the need for an operational area throughout the State of Georgia.

The nature of the experimental tests is to drive through neighborhoods with the installed base of AMR meters and determine the meter read success rate under different conditions. During these tests the mobile transmitter is transmitting continuously on a single frequency in the 952MHz to 956MHz MAS band, on the frequency licensed to the company that regularly reads the meters. Schlumberger always obtains the permission of the meter reading company, and/or the meter owning company before conducting such tests. Results will be used to optimize the firmware that drives the receiver.

Additionally, local tests around the plant will be conducted in controlled situations within a 25 mile limit of the location given on the license application.

The program will continue until the software that drives the receiving system has been optimized, and the transmit power has been optimized for optimum meter reading success.