

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WF2XCQ

(Call Sign)

XD MO

(Class of Station)

0301-EX-PL-2009

(File Number)

NAME Dielectric Communications

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Columbia (RICHLAND), SC, within 88 km, centered around NL 34-07-07; WL 80-56-13

Frequency Information

MOBILE: Columbia (RICHLAND), SC, within 88 km, centered around NL 34-07-07; WL 80-56-13

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1755 MHz | MO            | 500KF7W             | 39.8 kW (ERP)    |                           |

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Meng Zhao at 207-210-8291
- (5) Licensee should get consent from existing and future Advance Wireless Services licensees in the areas of the tests prior to operating in the 1710-1755 MHz band.

This authorization effective September 29, 2009 and  
will expire 3:00 A.M. EST December 30, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**

