

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WF2XNI

(Call Sign)

0282-EX-RR-2011

(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) Columbia (RICHLAND), SC - NL 34-07-07; WL 80-56-13; MOBILE: Columbia (RICHLAND), SC, within 40 km, centered around NL 34-07-07; WL 80-56-13

Frequency Information

Columbia (RICHLAND), SC - NL 34-07-07; WL 80-56-13; MOBILE: Columbia (RICHLAND), SC, within 40 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	5M00F9W	250 mW (ERP)	
869-894 MHz	FX	5M00F9W	500 W (ERP)	
1920-1980 MHz	MO	5M00F9W	250 mW (ERP)	
2110-2170 MHz	FX	5M00F9W	1585 W (ERP)	

This authorization effective November 17, 2011 and
will expire 3:00 A.M. EST March 17, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) Licensee should secure consent from Advance Wireless Services licensees prior to utilizing the 2110-2170 MHz and 1920-1980 MHz bands.
- (5) Operation is subject to prior coordination with Fixed Microwave licensees prior to utilizing the 2110-2170 MHz and 1920-1980 MHz bands.