

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WP9XBN

(Call Sign)

XT FX MO

(Class of Station)

1499-EX-ST-2019

(File Number)

NAME Solve Metrics

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The purpose is to test LTE communications systems and compare live RF propagation and data rates against a simulation. We are testing 3.69 GHz propagation to simulated values

Station Locations

- (1) Saint Charles (KANE), IL - NL 41-54-07; WL 88-17-04
- (2) MOBILE: All areas 10 km radius of coordinates, within 10 km, centered around NL 41-54-07; WL 88-17-04

Frequency Information

Saint Charles (KANE), IL - NL 41-54-07; WL 88-17-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.69-3.7 GHz	FX	10M0G7W	19.95 W (ERP)	7.6E-6 %

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST March 02, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: All areas 10 km radius of coordinates, within 10 km, centered around NL 41-54-07; WL 88-17-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.69-3.7 GHz	MO	10M0G7W	0.1178 W (ERP)	4.3E-7 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (4) Licensee shall maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (5) Licensee shall consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.