

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

EXPERIMENTAL

(Nature of Service)

WL9XOP

(Call Sign)

XT FX MO

(Class of Station)

1069-EX-ST-2017

(File Number)

NAME Trinity Mobile Networks, Inc.

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:

This experiment will allow us to determine radio path propagation characteristics in a variety of different environments.

Station Locations

- (1) New Haven (NEW HAVEN), CT - NL 41-18-17; WL 72-55-25; MOBILE: , within 2 km, centered around NL 41-18-17; WL 72-55-25

Frequency Information

New Haven (NEW HAVEN), CT - NL 41-18-17; WL 72-55-25; MOBILE: , within 2 km, centered around NL 41-18-17; WL 72-55-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0D7D	12.2 W (ERP)	0.001 %
3650-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3650-3700 MHz	FX	10M0N0N	16 W (ERP)	0.001 %

This authorization effective September 24, 2017 and
will expire 3:00 A.M. EST March 24, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

New Haven (NEW HAVEN), CT - NL 41-18-17; WL 72-55-25; MOBILE: , within 2 km, centered around NL 41-18-17; WL 72-55-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	10M0D7D	6.1 W (ERP)	0.001 %
3650-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 W (ERP)	0.001 %

Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (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) Trinity Mobile Networks, Inc. must exclude the 3550 -3650 MHz band.
- (5) Trinity Mobile Networks, Inc. must maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (6) 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 area.
- (7) Prior to operating, Trinity Mobile Networks, Inc. must notify licensees of earth stations operating in adjacent band above 3700 - 4200 MHz within 13 kilometers radius of each location from which experimental operations will occur. Trinity Mobile Networks, Inc. must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 - 4200 MHz band.
- (8) All the experimental devices will be under the control of Trinity Mobile Networks, Inc.

Special Conditions:

- (9) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.