

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

EXPERIMENTAL

(Nature of Service)

WQ9XKC

(Call Sign)

XT MO

(Class of Station)

0661-EX-ST-2020

(File Number)

NAME Fenix Group, 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:

Fenix Group is conducting LTE integration and testing

Station Locations

- (1) MOBILE: 5915 Phillip J Rhoads Ave, within 100 km, centered around NL 35-32-03; WL 97-38-49

Frequency Information

MOBILE: 5915 Phillip J Rhoads Ave, within 100 km, centered around NL 35-32-03; WL 97-38-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
703-803 MHz	MO	10M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	

This authorization effective September 08, 2020 and
will expire 3:00 A.M. EST November 19, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 5915 Phillip J Rhoads Ave, within 100 km, centered around NL 35-32-03; WL 97-38-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2300-2507 MHz	MO	20M0	10 W (Output Power)	

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) Fenix Group, Inc. must notch out the following bands: 1809-1844 MHz, 2025-2110 MHz, 2200-2300 MHz
- (4) Fenix Group, Inc. must ensure all operations are unrelated to UAS or jamming operations, and that 1350-1390 MHz will not be used per the coordination comments with FAA on 5/4/2020.
- (5) Fenix Group, Inc. must provide Stop Buzzer POC to Jimmy.Nguyen@us.af.mil for all operations in the 1780-1850 MHz band.
- (6) Fenix Group, Inc. should be aware that the band(s) 1780-1850 MHz and 2200-2290 MHz are allocated for federal operations and both bands are extremely congested. Non-federal use is on a case-by-case basis with approval of requests for operational and long-term use being highly unlikely. Also, NTIA is concerned by LTE testing in federal bands, such as the 1780-1855 MHz and 2200-2290 MHz bands which are not allocated for such operations. NTIA highly recommends further testing be done in appropriate bands.
- (7) Secure consents from the Advance Wireless Service licensees prior to accessing to the frequency range from 1710 MHz to 2200 MHz.
- (8) Fenix Group, Inc. shall obtain consents from the Educational Broadband Service and the Broadband Radio Service licensees prior to accessing to the frequency range from 2496 MHz to 2507 MHz.
- (9) Fenix Group, Inc. shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 2450-2500 MHz band.
- (10) Fenix Group, Inc. shall coordinate with affected Fixed Microwave Service licensees prior to operation in 2450-2500 MHz band.
- (11) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
700 MHz Lower Band licensees (698-746 MHz)
700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (12) Stop buzzer: Taylor Thompson at 571-380-9211, tthompson@fenixgroup.io

Special Conditions:

- (13) Operations in the WCS bands (2305-2320 MHz and 2345-2360 MHz) must comply with the emission limits applicable to those bands. See 47 C.F.R. § 27.53(a).
- (14) Licensee is not authorized to operate in the frequency band 2320-2345 MHz, which is primarily allocated for use by SDARS (satellite radio).
- (15) Prior to commencing any operations in the 2483.5-2500 MHz frequency band, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.
- (16) Prior to commencing any operations in the 2000-2010 MHz and 2180-2190 MHz frequency bands, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.
- (17) Prior to commencing any operations in the 2010-2020 MHz and 2190-2200 MHz frequency band, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.