

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

EXPERIMENTAL

(Nature of Service)

WI2XYT

(Call Sign)

XT FX MO

(Class of Station)

0012-EX-CM-2019

(File Number)

NAME Fenix Group, Inc.

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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Haymarket, VA, within 10 km, centered around NL 38-51-35; WL 77-40-01
- (2) Fort Dix (BURLINGTON), NJ - NL 40-00-41; WL 74-30-14; MOBILE: Fort Dix, NJ, within 10 km, centered around NL 40-00-41; WL 74-30-14
- (3) Fort Benning (CHATTAHOOCHEE), GA - NL 32-22-15; WL 84-48-29; MOBILE: Fort Benning, GA, within 10 km, centered around NL 32-22-15; WL 84-48-29
- (4) Fort Bliss (EL PASO), TX - NL 31-48-07; WL 106-25-29; MOBILE: Fort Bliss, TX, within 10 km, centered around NL 31-48-07; WL 106-25-29
- (5) Fort Gordon (RICHMOND), GA - NL 33-24-48; WL 82-08-07; MOBILE: Fort Gordon, GA, within 10 km, centered around NL 33-24-48; WL 82-08-07
- (6) SOCOM (CUMBERLAND), NC - NL 35-08-20; WL 79-08-12; MOBILE: SOCOM Military Area, NC, within 10 km, centered around NL 35-08-20; WL 79-08-12
- (7) Schofield Barracks (HONOLULU), HI - NL 21-29-52; WL 158-03-48; MOBILE: Schofield Barracks, HI, within 10 km, centered around NL 21-29-52; WL 158-03-48
- (8) Fort Bragg (CUMBERLAND), NC - NL 35-08-50; WL 78-59-43; MOBILE: Fort Bragg, NC, within 10 km, centered around NL 35-08-50; WL 78-59-43
- (9) Camp Lejeune (ONslow), NC - NL 34-39-51; WL 77-20-25; MOBILE: Camp Lejeune, NC, within 10 km, centered around NL 34-39-51; WL 77-20-25
- (10) Norfolk, VA - NL 36-55-59; WL 76-19-12; MOBILE: Naval Station Norfolk, VA, within 10 km, centered around NL 36-55-59; WL 76-19-12
- (11) Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 10 km, centered around NL 36-54-57; WL 76-11-26
- (12) McFaddin (VICTORIA), TX - NL 28-32-45; WL 96-59-16; MOBILE: McFaddin, TX, within 10 km, centered around NL 28-32-45; WL 96-59-16
- (13) Waxahachie (ELLIS), TX - NL 32-22-36; WL 96-57-00; MOBILE: Waxahachie, TX, within 10 km, centered around NL 32-22-36; WL 96-57-00

This authorization effective April 25, 2019 and
will expire 3:00 A.M. EST July 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (14) Elgin AFB (OKALOOSA), FL - NL 30-27-41; WL 86-33-11; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-27-41; WL 86-33-11
- (15) Coronado Naval Base, CA - NL 32-41-32; WL 117-10-51; MOBILE: Coronado Naval Base, CA, within 15 km, centered around NL 32-41-32; WL 117-10-51
- (16) Hollister, CA - NL 36-56-39; WL 121-26-54; MOBILE: Hollister, CA, within 10 km, centered around NL 36-56-39; WL 121-26-54
- (17) Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-38-00; WL 86-18-00
- (18) Chantilly (FAIRFAX), VA - NL 38-53-05; WL 77-26-34
- (19) Manitou Springs (EL PASO), CO - NL 38-50-53; WL 104-59-48; MOBILE: Barr Trail, Manitou Springs, CO, within 15 km, centered around NL 38-50-53; WL 104-59-48
- (20) Colorado Springs (EL PASO), CO - NL 38-50-25; WL 104-53-24; MOBILE: Red Rocks Open Space, Colorado Springs, CO, within 15 km, centered around NL 38-50-25; WL 104-53-24
- (21) Aberdeen (MOORE), NC - NL 35-06-02; WL 79-26-03; MOBILE: , within 15 km, centered around NL 35-06-02; WL 79-26-03
- (22) Fort A.P. Hill (CAROLINE), VA - NL 38-08-06; WL 77-18-59; MOBILE: Fort A.P. Hill, VA, within 10 km, centered around NL 38-08-06; WL 77-18-59
- (23) Camp H.M. Smith (HONOLULU), HI - NL 21-23-12; WL 157-54-34; MOBILE: Camp H.M. Smith, Honolulu, HI, within 5 km, centered around NL 21-23-12; WL 157-54-34
- (24) Yuma (YUMA), AZ - NL 33-23-05; WL 114-21-53; MOBILE: Yuma Proving Grounds, AZ, within 20 km, centered around NL 33-23-05; WL 114-21-53

Frequency Information

MOBILE: Haymarket, VA, within 10 km, centered around NL 38-51-35; WL 77-40-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Dix (BURLINGTON), NJ - NL 40-00-41; WL 74-30-14; MOBILE: Fort Dix, NJ, within 10 km, centered around NL 40-00-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	

Frequency Information

Fort Dix (BURLINGTON), NJ - NL 40-00-41; WL 74-30-14; MOBILE: Fort Dix, NJ, within 10 km, centered around NL 40-00-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Benning (CHATTAHOOCHEE), GA - NL 32-22-15; WL 84-48-29; MOBILE: Fort Benning, GA, within 10 km, centered around NL 32-22-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Bliss (EL PASO), TX - NL 31-48-07; WL 106-25-29; MOBILE: Fort Bliss, TX, within 10 km, centered around NL 31-48-07;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Gordon (RICHMOND), GA - NL 33-24-48; WL 82-08-07; MOBILE: Fort Gordon, GA, within 10 km, centered around NL 33-24-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	

Frequency Information

Fort Gordon (RICHMOND), GA - NL 33-24-48; WL 82-08-07; MOBILE: Fort Gordon, GA, within 10 km, centered around NL 3:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

SOCOM (CUMBERLAND), NC - NL 35-08-20; WL 79-08-12; MOBILE: SOCOM Military Area, NC, within 10 km, centered around NL 3:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Schofield Barracks (HONOLULU), HI - NL 21-29-52; WL 158-03-48; MOBILE: Schofield Barracks, HI, within 10 km, centered around NL 3:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Bragg (CUMBERLAND), NC - NL 35-08-50; WL 78-59-43; MOBILE: Fort Bragg, NC, within 10 km, centered around NL 3:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	

Frequency Information

Fort Bragg (CUMBERLAND), NC - NL 35-08-50; WL 78-59-43; MOBILE: Fort Bragg, NC, within 10 km, centered around NL 3

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Camp Lejeune (ONSLOW), NC - NL 34-39-51; WL 77-20-25; MOBILE: Camp Lejeune, NC, within 10 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Norfolk, VA - NL 36-55-59; WL 76-19-12; MOBILE: Naval Station Norfolk, VA, within 10 km, centered around NL 36-55-59; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 10 km, centered around NL 36-54-57; WL 76-11-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	

Frequency Information

Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 10 km, centered around NL 36-54-57; WL 76-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

McFaddin (VICTORIA), TX - NL 28-32-45; WL 96-59-16; MOBILE: McFaddin, TX, within 10 km, centered around NL 28-32-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Waxahachie (ELLIS), TX - NL 32-22-36; WL 96-57-00; MOBILE: Waxahachie, TX, within 10 km, centered around NL 32-22-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Elgin AFB (OKALOOSA), FL - NL 30-27-41; WL 86-33-11; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-27-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	

Frequency Information

Elgin AFB (OKALOOSA), FL - NL 30-27-41; WL 86-33-11; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-27-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Coronado Naval Base, CA - NL 32-41-32; WL 117-10-51; MOBILE: Coronado Naval Base, CA, within 15 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Hollister, CA - NL 36-56-39; WL 121-26-54; MOBILE: Hollister, CA, within 10 km, centered around NL 36-56-39; WL 121-26-5

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-38-0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	

Frequency Information

Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 15 km, centered around NL 30-38-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Chantilly (FAIRFAX), VA - NL 38-53-05; WL 77-26-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	FX	10M0M7W	12 W (ERP)	
1710-2155 MHz	FX	10M0M7W	12 W (ERP)	

Manitou Springs (EL PASO), CO - NL 38-50-53; WL 104-59-48; MOBILE: Barr Trail, Manitou Springs, CO, within 15 km, centered around NL 38-50-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Colorado Springs (EL PASO), CO - NL 38-50-25; WL 104-53-24; MOBILE: Red Rocks Open Space, Colorado Springs, CO, within 15 km, centered around NL 38-50-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	

Frequency Information

Colorado Springs (EL PASO), CO - NL 38-50-25; WL 104-53-24; MOBILE: Red Rocks Open Space, Colorado Springs, CO, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Aberdeen (MOORE), NC - NL 35-06-02; WL 79-26-03; MOBILE: , within 15 km, centered around NL 35-06-02; WL 79-26-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
824-894 MHz	MO	10M0M7W	12 W (ERP)	
880-960 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W 10M0M7W	12 W (ERP)	
1850-1990 MHz	MO	10M0M7W	12 W (ERP)	

Fort A.P. Hill (CAROLINE), VA - NL 38-08-06; WL 77-18-59; MOBILE: Fort A.P. Hill, VA, within 10 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	

Frequency Information

Fort A.P. Hill (CAROLINE), VA - NL 38-08-06; WL 77-18-59; MOBILE: Fort A.P. Hill, VA, within 10 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Camp H.M. Smith (HONOLULU), HI - NL 21-23-12; WL 157-54-34; MOBILE: Camp H.M. Smith, Honolulu, HI, within 5 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	

Yuma (YUMA), AZ - NL 33-23-05; WL 114-21-53; MOBILE: Yuma Proving Grounds, AZ, within 20 km, centered around NL 33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-894 MHz	MO	10M0M7W	12 W (ERP)	
880-960 MHz	MO	10M0M7W	12 W (ERP)	
1710-2155 MHz	MO	10M0M7W	12 W (ERP)	
1850-1990 MHz	MO	10M0M7W	12 W (ERP)	

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) 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The applicant must obtain "consent" of the following within 50 miles of the test area prior to operate:
 - 700 MHz licensees (698-758 MHz and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (5) Stop Buzzers, Dave Peterson at (703) 474-2313.
- (6) Operation is NOT PERMITTED the frequency band 756-775 MHz, 788-805 MHz, 806-809 MHz and 851-854 MHz
- (7) Fenix Group must obtain consents from the Advance Wireless Service licensees and coordinate with the local Society of Broadcast Engineer frequency coordinator prior to accessing to 1710-2155 MHz band.
- (8) The applicant must obtain "consent" of the following within 50 miles of the test area prior to operate:
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (9) Operation is NOT PERMITTED using any Public Safety frequencies in the 700-900 MHz band, especially given the use of 10M0M7W emissions.
- (10) Licensee must obtain consents from the Advance Wireless Service licensees prior to accessing to 1710-1780MHz, 1915-1920 MHz, 1995-2025 MHz, 2110-2155 MHz bands.
- (11) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator in 2025-2110 MHz, and 941-960 MHz bands.
- (12) Operation is subject to prior coordination with the Fixed Microwave Service licensees in 928-929 MHz, 932-935 MHz, and 941-960 MHz bands.
- (13) Licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - 700 MHz Lower Band "E" block licensees (722-728 MHz)