

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

EXPERIMENTAL

(Nature of Service)

WL2XJZ

(Call Sign)

XT FX MO

(Class of Station)

1000-EX-CN-2020

(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) Fort Dix (BURLINGTON), NJ - NL 40-00-41; WL 74-30-14; MOBILE: Fort Dix, NJ, within 50 km, centered around NL 40-00-41; WL 74-30-14
- (2) Fort Benning (CHATTAHOOCHEE), GA - NL 32-22-15; WL 84-48-29; MOBILE: Fort Benning, GA, within 20 km, centered around NL 32-22-15; WL 84-48-29
- (3) Fort Bliss (EL PASO), TX - NL 31-48-07; WL 106-25-29; MOBILE: Fort Bliss, TX, within 20 km, centered around NL 31-48-07; WL 106-25-29
- (4) Fort Gordon (RICHMOND), GA - NL 33-24-48; WL 82-08-07; MOBILE: Fort Gordon, GA, within 20 km, centered around NL 33-24-48; WL 82-08-07
- (5) SOCOM (CUMBERLAND), NC - NL 35-08-20; WL 79-08-12; MOBILE: SOCOM Military Area, NC, within 50 km, centered around NL 35-08-20; WL 79-08-12
- (6) Schofield Barracks (HONOLULU), HI - NL 21-29-52; WL 158-03-48; MOBILE: Schofield Barracks, HI, within 20 km, centered around NL 21-29-52; WL 158-03-48
- (7) Fort Bragg (CUMBERLAND), NC - NL 35-08-50; WL 78-59-43; MOBILE: Fort Bragg, NC, within 50 km, centered around NL 35-08-50; WL 78-59-43
- (8) Camp Lejeune (ONslow), NC - NL 34-39-51; WL 77-20-25; MOBILE: Camp Lejeune, NC, within 20 km, centered around NL 34-39-51; WL 77-20-25
- (9) Norfolk, VA - NL 36-55-59; WL 76-19-12; MOBILE: Naval Station Norfolk, VA, within 20 km, centered around NL 36-55-59; WL 76-19-12
- (10) Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 50 km, centered around NL 36-54-57; WL 76-11-26
- (11) Elgin AFB (OKALOOSA), FL - NL 30-27-41; WL 86-33-11; MOBILE: Elgin AFB, FL, within 20 km, centered around NL 30-27-41; WL 86-33-11
- (12) 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
- (13) Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 20 km, centered around NL 30-38-00; WL 86-18-00

This authorization effective April 07, 2021 and
will expire 3:00 A.M. EST April 01, 2023

FEDERAL
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Station Locations

- (14) Chantilly (FAIRFAX), VA - NL 38-53-05; WL 77-26-34
- (15) Manitou Springs (EL PASO), CO - NL 38-50-53; WL 104-59-48; MOBILE: Barr Trail, Manitou Springs, CO, within 20 km, centered around NL 38-50-53; WL 104-59-48
- (16) Colorado Springs (EL PASO), CO - NL 38-50-25; WL 104-53-24; MOBILE: Red Rocks Open Space, Colorado Springs, CO, within 20 km, centered around NL 38-50-25; WL 104-53-24
- (17) Aberdeen (MOORE), NC - NL 35-06-02; WL 79-26-03; MOBILE: , within 50 km, centered around NL 35-06-02; WL 79-26-03
- (18) Fort A.P. Hill (CAROLINE), VA - NL 38-08-06; WL 77-18-59; MOBILE: Fort A.P. Hill, VA, within 50 km, centered around NL 38-08-06; WL 77-18-59
- (19) Camp H.M. Smith (HONOLULU), HI - NL 21-23-12; WL 157-54-34; MOBILE: Camp H.M. Smith, Honolulu, HI, within 20 km, centered around NL 21-23-12; WL 157-54-34

Frequency Information

Fort Dix (BURLINGTON), NJ - NL 40-00-41; WL 74-30-14; MOBILE: Fort Dix, NJ, within 50 km, centered around NL 40-00-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Fort Benning (CHATTAHOOCHEE), GA - NL 32-22-15; WL 84-48-29; MOBILE: Fort Benning, GA, within 20 km, centered around NL 32-22-15;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Fort Bliss (EL PASO), TX - NL 31-48-07; WL 106-25-29; MOBILE: Fort Bliss, TX, within 20 km, centered around NL 31-48-07;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Fort Bliss (EL PASO), TX - NL 31-48-07; WL 106-25-29; MOBILE: Fort Bliss, TX, within 20 km, centered around NL 31-48-07;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Fort Gordon (RICHMOND), GA - NL 33-24-48; WL 82-08-07; MOBILE: Fort Gordon, GA, within 20 km, centered around NL 33-24-48;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

SOCOM (CUMBERLAND), NC - NL 35-08-20; WL 79-08-12; MOBILE: SOCOM Military Area, NC, within 50 km, centered around NL 35-08-20;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

SOCOM (CUMBERLAND), NC - NL 35-08-20; WL 79-08-12; MOBILE: SOCOM Military Area, NC, within 50 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Schofield Barracks (HONOLULU), HI - NL 21-29-52; WL 158-03-48; MOBILE: Schofield Barracks, HI, within 20 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Norfolk, VA - NL 36-55-59; WL 76-19-12; MOBILE: Naval Station Norfolk, VA, within 20 km, centered around NL 36-55-59; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 50 km, centered around NL 36-54-57; WL 76-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Fort Story, VA - NL 36-54-57; WL 76-11-26; MOBILE: Fort Story, VA, within 50 km, centered around NL 36-54-57; WL 76-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Elgin AFB (OKALOOSA), FL - NL 30-27-41; WL 86-33-11; MOBILE: Elgin AFB, FL, within 20 km, centered around NL 30-27-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

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		20M0M7W	12 W (ERP)	
1710-2200 MHz		20M0M7W	12 W (ERP)	
1850-1990 MHz		20M0M7W	12 W (ERP)	
1920-2170 MHz		20M0M7W	12 W (ERP)	
2500-2690 MHz		20M0M7W	12 W (ERP)	

Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 20 km, centered around NL 30-38-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Elgin AFB (OKALOOSA), FL - NL 30-38-00; WL 86-18-00; MOBILE: Elgin AFB, FL, within 20 km, centered around NL 30-38-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	20M0M7W	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	20M0M7W	12 W (ERP)	
1710-2200 MHz	FX	20M0M7W	12 W (ERP)	
1850-1990 MHz	FX	20M0M7W	12 W (ERP)	
1920-2170 MHz	FX	20M0M7W	12 W (ERP)	
2500-2690 MHz	FX	20M0M7W	12 W (ERP)	

Manitou Springs (EL PASO), CO - NL 38-50-53; WL 104-59-48; MOBILE: Barr Trail, Manitou Springs, CO, within 20 km, centered around NL 38-50-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Manitou Springs (EL PASO), CO - NL 38-50-53; WL 104-59-48; MOBILE: Barr Trail, Manitou Springs, CO, within 20 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	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 20 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Frequency Information

Aberdeen (MOORE), NC - NL 35-06-02; WL 79-26-03; MOBILE: , within 50 km, centered around NL 35-06-02; WL 79-26-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

Fort A.P. Hill (CAROLINE), VA - NL 38-08-06; WL 77-18-59; MOBILE: Fort A.P. Hill, VA, within 50 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	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 50 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	20M0M7W	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 20 km, c

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
700-900 MHz	MO	20M0M7W	12 W (ERP)	
1710-2200 MHz	MO	20M0M7W	12 W (ERP)	
1850-1990 MHz	MO	20M0M7W	12 W (ERP)	
1920-2170 MHz	MO	20M0M7W	12 W (ERP)	
2500-2690 MHz	MO	20M0M7W	12 W (ERP)	

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) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) Fenix Group must obtain consents from the Advance Wireless Service licensees and Fixed Microwave licensees prior to operation.

Special Conditions:

- (5) 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)
 - 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)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (6) Prior to commencing any operations in the 2000-2010 MHz and 2180-2190 MHz frequency bands, experimental licensee must notify licensee of GAMMA ACQUISITION L.L.C. (Call sign E060430, POC/Satellite: S2633. Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). 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, EIRP density) and day and times of each test
- (7) Prior to commencing any operations in the 2010-2020 MHz and 2190-2200 MHz frequency bands, experimental licensee must notify licensee of New DBSD Satellite Services G.P., Debtor-in-Possession. (Call sign E070272, POC/Satellite: S2651. Name: Mr. Stephen M. DeWees, Phone Number: 703-964-1417, E-Mail: stephen.deweese@ico.com). 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, EIRP density) and day and times of each test.
- (8) Operation is NOT PERMITTED using the frequency band 757-809 MHz, 851-854 MHz, 1780-1845 MHz and 2025-2110 MHz.
- (9) The use of phone jammer, GPS blocker or other signal jamming devices designated to intentionally block, jam, or interfere with licensed or authorized radio communications is prohibited.
- (10) Stop Buzzer, Dave Peterson at (703) 474-2313.
- (11) Fenix Group, Inc must obtain consents from the Educational Broadband Service and Broadband Radio Service licensees prior to accessing to the frequency range from 2500 MHz to 2690 MHz.
- (12) Fenix Group must coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation.