

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

EXPERIMENTAL

(Nature of Service)

WF2XSV

(Call Sign)

XC MO

(Class of Station)

0326-EX-CR-2021

(File Number)

NAME Phoenix Global Support

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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: City of Fayetteville, within 8.3 km, centered around NL 35-03-14; WL 78-55-24
- (2) MOBILE: Areas surrounding Lumberton and St. Paul, within 15 km, centered around NL 34-42-22; WL 78-59-16
- (3) MOBILE: Hope Mills, NC, within 5 km, centered around NL 34-58-23; WL 79-00-16
- (4) MOBILE: Pinehurst, NC, within 12 km, centered around NL 35-11-47; WL 79-28-11
- (5) MOBILE: Rockingham, NC, within 12 km, centered around NL 34-56-08; WL 79-46-24
- (6) MOBILE: City of Bennettsville, SC, within 4 km, centered around NL 34-37-51; WL 79-41-11
- (7) MOBILE: City of Dillon, SC, within 3.5 km, centered around NL 34-24-59; WL 79-21-55
- (8) MOBILE: Cities of Virginia Beach and Portsmouth, within 20 km, centered around NL 36-48-23; WL 76-07-57
- (9) MOBILE: Cities of Fort Walton Beach Destin and Valparaiso, within 20 km, centered around NL 30-27-40; WL 86-32-57

Frequency Information

MOBILE: City of Fayetteville, within 8.3 km, centered around NL 35-03-14; WL 78-55-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %

This authorization effective August 01, 2021 and
will expire 3:00 A.M. EST May 01, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: City of Fayetteville, within 8.3 km, centered around NL 35-03-14; WL 78-55-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

MOBILE: Areas surrounding Lumberton and St. Paul, within 15 km, centered around NL 34-42-22; WL 78-59-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Areas surrounding Lumberton and St. Paul, within 15 km, centered around NL 34-42-22; WL 78-59-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F1E	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Hope Mills, NC, within 5 km, centered around NL 34-58-23; WL 79-00-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F1E	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Pinehurst , NC, within 12 km, centered around NL 35-11-47; WL 79-28-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Rockingham, NC, within 12 km, centered around NL 34-56-08; WL 79-46-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Frequency Information

MOBILE: City of Bennettsville, SC, within 4 km, centered around NL 34-37-51; WL 79-41-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Frequency Information

MOBILE: City of Dillon, SC, within 3.5 km, centered around NL 34-24-59; WL 79-21-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Cities of Virginia Beach and Portsmouth, within 20 km, centered around NL 36-48-23; WL 76-07-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Frequency Information

MOBILE: Cities of Fort Walton Beach Destin and Valparaiso, within 20 km, centered around NL 30-27-40; WL 86-32-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
460.4-496 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
728-768 MHz	MO	20M0F7W 20M0F7W	40 W (ERP)	0.001 %
869-894 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
921-960 MHz	MO	200KF1E 1K25F7W	40 W (ERP)	0.001 %
1525-1559 MHz	MO	31K2F1E	40 W (ERP)	0.001 %
1850-1880 MHz	MO	200KF1E 1M25F7W	40 W (ERP)	0.001 %
1930-1990 MHz	MO	200KF1E 1M25F7W 5M00F7W	40 W (ERP)	0.001 %
2110-2170 MHz	MO	5M00F7W	40 W (ERP)	0.001 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (3) Licensee shall exclude the use of all Public Safety frequencies in the bands that are designated under Part 90 of the FCC rules.
- (4) Operations in the 1544-1545 MHz frequency bands ARE LIMITED to distress and safety communications, in accordance with International Footnotes 5.356 and 5.375 of the ITU Radio Regulations.

Special Conditions:

- (5) Prior to commencing any operations in the 1525-1559 MHz (s-E) frequency band, experimental licensee must notify licensees of earth stations. 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. Please notify the following licensees:

Call Sign: E100192, E030055

Licensee: ORBCOMM License Corp.

ATTN: Mr. Walter H. Sonnenfeldt,

Phone Number: 585-461-3018, E-Mail: sonnenfeldt.walter@orbcomm.com)

Call Sign: E090029

Licensee: COMTECH MOBILE DATACOM CORP.

Attention: John Fossaceca

Phone Number: 240-686-3300 or 240-686-3389

Fax Number: 240-686-3301

E-Mail: John.Fossaceca@comtechmobile.com

Name: Joan M. Griffin Phone Number: 202-342-8573

Company: Kelley Drye & Warren LLP

Fax Number: 202-342-8451

E-Mail: jgriffin@kelleydrye.com

Attention: Relationship: Legal Counsel

Call Sign: E980203

Licensee: OuterLink Corporation

Attention: Paul F. Newcomb

Phone Number: 877-688-3770 E-Mail: sdurante@outerlink.com

Fax Number: 978-371-9502

Name: Bruce Olcott Phone Number: 202-626-6615 E-Mail: bruce.olcott@ssd.com

Company: Squire, Sanders & Dempsey (US) LLP

Relationship: Legal Counsel

Call Sign: E050249, E010050, E010047, E010048, E010049, E000180

Licensee: Inmarsat Solutions (US) Inc.

Attention: M. Ethan Lucarelli

Phone Number: 202-572-0686

Fax Number: 202-248-5177

E-Mail: Ethan.Lucarelli@inmarsat.com

Name: Phillip R. Marchesiello Phone Number: 202-383-3343

Company: Wilkinson Barker Knauer, LLP Fax Number: 202-783-5851

Relationship: Legal Counsel

Call Sign: E090032

Licensee: ISAT US Inc. and Inmarsat Solutions (US) Inc.

Tel: (202) 696-1400

Fax: (202) 248-5177

Contact: M. Ethan Lucarelli

Special Agent: Email: Ethan.Lucarelli@inmarsat.com

Name: Timothy J. Cooney Phone Number: 2027834141 E-Mail: tcooney@wbklaw.co

Company: Wilkinson Barker Knauer, LLP Fax Number: 2027835851

Relationship: Legal Counsel

Call Sign: E980179

Licensee: Ligado Networks Subsidiary LLC

Name: LightSquared Subsidiary LLC,

Attention: Ms. Valerie Green Phone Number: 703-390-2004

E-Mail: Valerie@Ligado.com

Name: Gerard J. Waldron Phone Number: 202-662-5360

Company: Covington & Burling LLP Fax Number: 202-778-5360

E-Mail: gwaldron@cov.com

Relationship: Legal Counsel

Call Sign: E050276, E000284,

Licensee: Comsat, Inc.

Name: Airbus DS SatCom Government, Inc.

Attention: Michelle Wagner

Phone Number: +1.571.599.3632

E-Mail: MWagner@comsat.com

Attention: James G. Lovelace at

+1.571.599.3643 or jlovelace.ctr@comsat.com

Call Sign: E130033

Licensee: ViaSat, Inc.

Attention: Attention: Mr Daryl T Hunter

Phone Number: 760-476-2583 E-Mail: daryl.hunter@viasat.com

Fax Number: 760-929-3941

Call Sign: E010011, E130083

Frequency band: 1545.9875 - 1545.9875 MHz

Licensee: Deere & Company

Attention: Mr. Mark Lewellen

Phone Number: 310-381-2000

Fax Number: 310-381-2001

E-Mail: lewellenmarkn@johndeere.com

Call Sign: E980159

Licensee: Satcom Systems, Incorporated

Attention: Mr Tom D Soumas Jr

Phone Number: 818-775-9740

Fax Number: 818-885-1882

Name: William K. Coulter Phone Number: 202-835-6136 E-Mail:

william.k.coulter@bakernet.com

Company: Baker & McKenzie LLP Fax Number: 202-416-7138

Relationship: Legal Counsel

Call Sign: E020074

Licensee: Honeywell International Inc.

Specific Attention: c/o Donna Balaguer
 Company: Fish & Richardson P.C.
 Phone Number: 2026267719
 Fax Number: 2027832331
 E-Mail: balaguer@fr.com
 Relationship: Legal Counsel

Call Sign: E930367
 Licensee: Ligado Networks Subsidiary LLC
 Attention: Maqbool Aliani
 Phone Number: 703-390-2797
 Fax Number: 703-390-2778
 Name: Elizabeth Park Phone Number: 202-637-1056 E-Mail: Elizabeth.Park@lw.com
 Company: Latham & Watkins LLP
 Relationship: Legal Counsel

- (6) Licensee must secure consents from the Advanced Wireless Service licensees in each corresponding proposed area prior to accessing to the frequency range from 2110 MHz to 2170 MHz.
- (7) Licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed area prior to operation in the 460.4-496 MHz, and 921-960 MHz band.
- (8) Licensee must coordinate with Fixed Microwave Service licensees in each corresponding proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 921-960 MHz band.
- (9) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - a. 700 MHz Lower Band "A" block licensees (698-704 MHz/728-734 MHz)
 - b. 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
 - c. 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
 - d. 700 MHz Upper Band "C" block (746-757 MHz/776-787 MHz) licensee (Verizon) and/or lessees
 - e. 700 MHz Guard Band licensees (757-758 MHz/787-788 MHz)
 - f. Cellular licensees (824-849 MHz/869-894 MHz)
 - g. SMR licensees (896-901 MHz/935-940 MHz)
 - h. B/ILT licensees (896-901 MHz/935-940 MHz)
 - i. Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - j. Location & Monitoring Service licensees (902-928 MHz)
 - k. Paging Service licensees in 929 MHz and 931 MHz
 - l. Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)

Special Conditions:

- (10) Experimental Licensee is prohibited from operating on the following frequency band at the Virginia Beach, VA location:
 - a. 466.5 - 469.5 MHz
- (11) Stop Buzzer POC is Darrell Patterson
Phone: (910) 778-2392