

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK2XYG

(Call Sign)

0245-EX-CN-2020

(File Number)

NAME Shared Spectrum Company

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: Chincoteague, VA, within 190 km, centered around NL 37-56-00; WL 75-22-44
- (2) MOBILE: Within 5 km of 1593 Spring Hill Rd Vienna VA 22182, within 5 km, centered around NL 38-55-34; WL 77-14-41
- (3) MOBILE: 5 km of 10600 Harry J Parrish Blvd Manassas VA, within 5 km, centered around NL 38-43-33; WL 77-30-43
- (4) MOBILE: Beaufort, NC, within 190 km, centered around NL 34-43-04; WL 76-39-50

Frequency Information

MOBILE: Chincoteague, VA, within 190 km, centered around NL 37-56-00; WL 75-22-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-222 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
420-440 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
775-788 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

This authorization effective May 11, 2020 and
will expire 3:00 A.M. EST May 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Chincoteague, VA, within 190 km, centered around NL 37-56-00; WL 75-22-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
805-806 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
896-902 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
1850-2000 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

MOBILE: Within 5 km of 1593 Spring Hill Rd Vienna VA 22182, within 5 km, centered around NL 38-55-34; WL 77-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-222 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
420-470 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
775-788 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
805-806 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
896-902 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
1850-2000 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: 5 km of 10600 Harry J Parrish Blvd Manassas VA, within 5 km, centered around NL 38-43-33; WL 77-30-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-222 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
420-470 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
775-788 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
805-806 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
896-902 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
1850-2000 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

MOBILE: Beaufort, NC, within 190 km, centered around NL 34-43-04; WL 76-39-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
217-222 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
420-470 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
775-788 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Beaufort, NC, within 190 km, centered around NL 34-43-04; WL 76-39-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
805-806 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
896-902 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %
1850-2000 MHz	MO	25K0W7D	1 W (ERP)	0.0001 %

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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Department of Interior Contract No. DC17PC00411. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) Licensee shall secure consents from the Advance Wireless Service licensees prior to accessing to 1850-2000 MHz band
- (5) Licensee shall coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 420-470 MHz band.
- (6) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 128 miles of the contours of the testing area:
 AMTS Licensee (217-218 MHz/219-220 MHz)
 218-219 MHz Service licensees
 220-222 MHz Service licensees
 Paging Service licensees in 454 MHz/459 MHz
 General Aviation Air-Ground Service in 454 MHz/459 MHz
 700 MHz Upper Band licensees (746-758 MHz and 775-788 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)
 Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 1910-1915 MHz/1990-1995 MHz Bands licensee (Sprint)