

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

EXPERIMENTAL

(Nature of Service)

WK9XST

(Call Sign)

XT MO

(Class of Station)

1271-EX-ST-2016

(File Number)

NAME Shared Spectrum Company

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:

Testing a communications system that is designed to provide connectivity to distributed fixed and mobile ground-based users in a rural environment with a minimal number of relay nodes.

Station Locations

- (1) MOBILE: Vienna, VA, within 2 km, centered around NL 38-55-33; WL 77-14-41
- (2) MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency Information

MOBILE: Vienna, VA, within 2 km, centered around NL 38-55-33; WL 77-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
911 MHz	MO	4M00G2D 4M00G2D	1 W (ERP)	0.0001 %

This authorization effective January 06, 2017 and
will expire 3:00 A.M. EST May 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Vienna, VA, within 2 km, centered around NL 38-55-33; WL 77-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
917 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
923 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2403 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2409 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2415 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2421 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2427 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2433 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2439 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2445 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Vienna, VA, within 2 km, centered around NL 38-55-33; WL 77-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2451 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2457 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2463 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2469 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2475 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
911 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
917 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
923 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
929 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
935 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
941 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1358 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1371 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1384 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1443 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1456 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1470 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1483 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1496 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1510 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1763 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1776 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1790 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1803 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1815 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1828 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
1841 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2031 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2043.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2055.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2067.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2079.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2091.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2103.5 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2263 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2276 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2403 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2409 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2415 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2421 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2427 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2433 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2439 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2445 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2451 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2457 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2463 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %
2469 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Haxton, CO, within 20 km, centered around NL 40-26-18; WL 102-46-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2475 MHz	MO	4M00G2D	1 W (ERP)	0.0001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.