

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK9XST

(Call Sign)

0712-EX-ST-2018

(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:

This communication systems purpose is to increase maritime surface-to-surface and air-to-surface communications link range through the use of troposphere ducting.

Station Locations

- (1) Great River, NY - NL 40-42-00; WL 73-09-32
- (2) Atlantic City, NJ - NL 39-21-19; WL 74-25-34
- (3) Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
201 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
207 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

This authorization effective August 08, 2018 and
will expire 3:00 A.M. EST February 08, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
213 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
473 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
479 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
485 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
491 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
497 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
503 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
509 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
515 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
521 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
527 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
533 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
539 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
545 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
551 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
557 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
563 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
569 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
575 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
581 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
587 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
593 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
599 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
605 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
617 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
623 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
629 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
635 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
641 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
647 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
653 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
659 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
665 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
671 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
677 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
683 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
689 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
905 MHz	FX	10H0N0N	5 W (ERP)	0.0001 %
911 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
917 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
923 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1371 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1384 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1443 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1456 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1470 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1483 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1496 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1510 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2403 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2409 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2415 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2421 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2427 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2433 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2439 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2445 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2451 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2457 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2463 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Great River, NY - NL 40-42-00; WL 73-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2469 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2475 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2481 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
201 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
207 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
213 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
473 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
479 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
485 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
491 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
497 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
503 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
509 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
515 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
521 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
527 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
533 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
539 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
545 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
551 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
557 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
563 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
569 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
575 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
581 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
587 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
593 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
599 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
605 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
617 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
623 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
629 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
635 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
641 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
647 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
653 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
659 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
665 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
671 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
677 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
683 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
689 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
905 MHz	FX	10H0N0N	5 W (ERP)	0.0001 %
911 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
917 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
923 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1371 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1384 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1443 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1456 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1470 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1483 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1496 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1510 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2403 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2409 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2415 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2421 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2427 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Atlantic City, NJ - NL 39-21-19; WL 74-25-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2433 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2439 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2445 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2451 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2457 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2463 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2469 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2475 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2481 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
201 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
207 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
213 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
473 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
479 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
485 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
491 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
497 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
503 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
509 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
515 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
521 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
527 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
533 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
539 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
545 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
551 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
557 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
563 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
569 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
575 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
581 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
587 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
593 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
599 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
605 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
617 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
623 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
629 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
635 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
641 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
647 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
653 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
659 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
665 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
671 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
677 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
683 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
689 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
905 MHz	FX	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
911 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
917 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
923 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1371 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1384 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1443 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1456 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1470 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1483 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
1496 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1510 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2403 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2409 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2415 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2421 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2427 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2433 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2439 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2445 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2451 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

Frequency Information

Rodanthe, NC - NL 35-36-01; WL 75-27-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2457 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2463 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2469 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2475 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %
2481 MHz	MO	10H0N0N	5 W (ERP)	0.0001 %

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://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) Shared Spectrum Company must obtain the consent of the Location & Monitoring Service licensees (902-928 MHz) within 80 km of the test area.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) The stop buzzer contact for this project is Mark McHenry, Phone: 703 462 6943
Email: mmchenry@sharedspectrum.com