

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

EXPERIMENTAL

(Nature of Service)

WS9XRB

(Call Sign)

XT MO

(Class of Station)

1331-EX-ST-2021

(File Number)

NAME ShawnTech Communications

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:**

Provide a secure communications/private mobile radio service to Agencies to manage and control mobile device interdiction and extract contraband communication devices.

**Station Locations**

- (1) MOBILE: 8501 Hampton Springs Road, Perry, FL 32348, within 0.63 km, centered around NL 30-02-15; WL 83-42-50

**Frequency Information**

MOBILE: 8501 Hampton Springs Road, Perry, FL 32348, within 0.63 km, centered around NL 30-02-15; WL 83-42-50

| Frequency   | Station Class | Emission Designator | Authorized Power    | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|---------------------|---------------------------|
| 716-746 MHz | MO            | 30M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 746-757 MHz | MO            | 11M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 775-776 MHz | MO            | 1M00D7E             | 10 W (Output Power) | 0.5 %                     |

This authorization effective September 09, 2021 and  
will expire 3:00 A.M. EST February 02, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: 8501 Hampton Springs Road, Perry, FL 32348, within 0.63 km, centered around NL 30-02-15; WL 83-42-50

| Frequency     | Station Class | Emission Designator | Authorized Power    | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|---------------------|---------------------------|
| 869-894 MHz   | MO            | 25M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 1710-1780 MHz | MO            | 70M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 1930-1990 MHz | MO            | 60M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 2110-2200 MHz | MO            | 45M0D7E             | 10 W (Output Power) | 0.5 %                     |
| 2502-2690 MHz | MO            | 188MD7E             | 10 W (Output Power) | 0.5 %                     |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The band 855-869 MHz is heavily used by public safety under PART 90 and shall be removed from the experimental STA.
- (4) Prior to commencing any operations in the 2180-2190 MHz frequency band, 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.

**Special Conditions:**

- (5) Prior to commencing any operations in the 2190-2200 MHz frequency band, experimental licensee must notify licensee of DBSD Services Limited. (Call sign E070272, POC/Satellite: S2651. 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.
- (6) ShawnTech Communications shall secure consents from the Advanced Wireless Service licensees in the proposed area prior to accessing to the frequency range from 1710 MHz to 1780 MHz and from 2110 MHz to 2200 MHz
- (7) ShawnTech Communications shall secure consents from the Educational Broadband Service and Broadband Radio Service licensees in the proposed area prior to accessing to the frequency range from 2502 MHz to 2690 MHz.
- (8) 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 "A" block licensees (698-704 MHz/728-734 MHz)
  - 700 MHz Lower Band "B" block licensees (704-710 MHz/734-740 MHz)
  - 700 MHz Lower Band "C" block licensees (710-716 MHz/740-746 MHz)
  - 700 MHz Lower Band "D" block licensees (716-722 MHz)
  - 700 MHz Lower Band "E" block licensees (722-728 MHz)
  - 700 MHz Upper Band "C" block (746-757 MHz/776-787 MHz) licensee (Verizon and/or lessees)
  - 700 MHz Guard Band licensees (775-776 MHz/805-806 MHz)
  - SMR/ESMR licensees (809-824 MHz/854-869 MHz)
  - B/ILT licensees (809-824 MHz/854-869 MHz)
  - Cellular licensees (824-849 MHz/869-894 MHz)
  - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)