

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XNO

(Call Sign)

0408-EX-ST-2020

(File Number)

NAME Appareo Systems LLC

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:

The device is used partly to connect with equipment to offload data to a mesh network, and for long range telematics for military terrain obstacle mapping.

Station Locations

(1) St Francis, MN - NL 45-24-31; WL 93-27-44

Frequency Information

St Francis, MN - NL 45-24-31; WL 93-27-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	FX	1M00F7D	2.43 W (ERP)	
903-927 MHz	FX	34K0F1W	102.04 mW (ERP)	
2.4-2.483 GHz	FX	1M00G7D	167.88 mW (ERP)	

This authorization effective March 16, 2020 and
will expire 3:00 A.M. EST August 28, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

St Francis, MN - NL 45-24-31; WL 93-27-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.244-4.99 GHz	FX	500MM1D	0.37 mW (ERP)	
5.25-5.6 GHz	FX	500MM1D	0.37 mW (ERP)	
5.65-5.85 GHz	FX	500MM1D	0.37 mW (ERP)	
5.925-6 GHz	FX	500MM1D	0.37 mW (ERP)	

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) Prior to commencing any operations in the frequencies below, Appareo Systems LLC must obtain consent from the following within 50 miles of the contours of the testing area:
 - > Location & Monitoring Service licensees (902-928 MHz)
- (4) Appareo Systems LLC may not operate in the 5600 - 5650 MHz band in order to protect air traffic operations.
- (5) Appareo Systems LLC may not operate in the 5850 - 5925 MHz band in order to protect Vehicle to Everything (V2X) communications.
- (6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.