

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

EXPERIMENTAL

(Nature of Service)

WN9XOF

(Call Sign)

XT MO

(Class of Station)

1479-EX-ST-2018

(File Number)

NAME Loon 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:

Testing of expanded communications capability into Bands 20 and 28.

Station Locations

- (1) MOBILE: Winnemucca, Nevada, within 11 km, centered around NL 40-53-55; WL 117-48-16

Frequency Information

MOBILE: Winnemucca, Nevada, within 11 km, centered around NL 40-53-55; WL 117-48-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
720-725 MHz	MO	5M00W7W	19.3 W (ERP)	
720-725 MHz	MO	5M00W7W	6.1 W (ERP)	
720-725 MHz	MO	5M00W7W	38.5 W (ERP)	

This authorization effective October 25, 2018 and
will expire 3:00 A.M. EST March 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Winnemucca, Nevada, within 11 km, centered around NL 40-53-55; WL 117-48-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
789.5-799 MHz	MO	10M0W7W 5M00W7W	19.3 W (ERP)	
789.5-799 MHz	MO	10M0W7W 5M00W7W	6.1 W (ERP)	
789.5-799 MHz	MO	10M0W7W 5M00W7W	38.5 W (ERP)	
832-842 MHz	MO	10M0W7W 5M00W7W	19.3 W (ERP)	
832-842 MHz	MO	10M0W7W 5M00W7W	6.1 W (ERP)	
832-842 MHz	MO	10M0W7W 5M00W7W	38.5 W (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, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
700 MHz Lower Band licensees (698-746 MHz)
Cellular licensees (824-849 MHz/869-894 MHz)

Special Conditions:

- (4) 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.
- (5) Operation is not permitted in 799-801 MHz.
- (6) Licensee must prior coordinate testing with other authorized Band 14 operations. Failure to effectively coordinate shall result in FirstNet seeking immediate suspension of the experimental license by the FCC.
- (7) Licensee must accept interference from others operating in the band and must not cause interference to FirstNet operations or those approved to operate in Band 14 per license (i.e. AT&T testing or public safety entities authorized to operate on Band 14).
- (8) Licensee POC shall submit a "Stop Buzzer" contact to FirstNet at peter.tomczak@firstnet.gov upon authorization issuance with "kill switch" authority; license POC agrees to immediately cease operations on Band 14 if notified of any interference concerns until any issues are resolved.
- (9) Licensee agrees that this license may be subject to further review by the FCC and possible recoordination with FirstNet.