

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WO9XHS

(Call Sign)

0659-EX-ST-2019

(File Number)

NAME The MITRE Corporation

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 testing is to advance HF System knowledge and performance for higher latitude ionospheric conditions. The sounding is necessary for channel information and frequency selection.

Station Locations

(1) Devil's Lake (RAMSEY), ND - NL 48-03-41; WL 98-53-52

Frequency Information

Devil's Lake (RAMSEY), ND - NL 48-03-41; WL 98-53-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.5-4.1 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
4.21-4.65 MHz	FX	98K0F7N 90K0F7N 98K0F7E	125 W (ERP)	0.001 %

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST November 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Devil's Lake (RAMSEY), ND - NL 48-03-41; WL 98-53-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.21-4.65 MHz	FX	24K0F7D 24K0G7E	125 W (ERP)	0.001 %
4.7-4.995 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
5.005-5.899 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
6.32-7.2 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
7.451-8.25 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
8.97-9.4 MHz	FX	98K0F7N 90K0F7N	125 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.97-9.4 MHz	FX	98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
9.9-9.995 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
10.101-11.275 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
11.4-11.6 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
12.1-12.2 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
13.5-13.57 MHz	FX	98K0F7N	125 W (ERP)	0.001 %

Frequency Information

Devil's Lake (RAMSEY), ND - NL 48-03-41; WL 98-53-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.5-13.57 MHz	FX	90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
13.87-14.99 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
15.01-15.1 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %
15.8-16 MHz	FX	98K0F7N 90K0F7N 98K0F7E 24K0F7D 24K0G7E	125 W (ERP)	0.001 %

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.

Special Conditions:

- (3) The MITRE Corporation must notch out the following bands:

5.45-5.68 MHz

6.525-6.685 MHz