

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WO9XYS

(Call Sign)

1321-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 MITRE corporation seeks an FCC Special Temporary Authority to transmit data within the High Frequency (HF) band.

Station Locations

(1) Camp Grafton, ND - NL 48-03-43; WL 98-54-02

Frequency Information

Camp Grafton, ND - NL 48-03-43; WL 98-54-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2505-2850 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
3025-3400 kHz	FX	24K0D1D	200 W (ERP)	0.001 %

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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3025-3400 kHz	FX	98K0F7N 3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D	200 W (ERP)	0.001 %
3500-4100 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
4210-4650 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
4700-4995 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %

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5005-5450 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
5680-5900 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
6320-6525 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
6685-7300 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D	200 W (ERP)	0.001 %

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6685-7300 kHz	FX	3K00G1D	200 W (ERP)	0.001 %
7400-8250 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
8970-9400 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
9900-9995 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
10101-11275 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D	200 W (ERP)	0.001 %

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10101-11275 kHz	FX	98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
11400-11600 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
13500-13570 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00G1D 98K0F7D	200 W (ERP)	0.001 %

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13870-14990 kHz	FX	98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
15010-15100 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
16000-17480 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %

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17970-18900 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
19020-19995 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
20010-21450 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
21850-21924 kHz	FX	24K0D1D 24K0G1D 49K0D1D 3K00G1D	200 W (ERP)	0.001 %
22000-24490 kHz	FX	98K0F7N	200 W (ERP)	0.001 %

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22000-24490 kHz	FX	24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 W (ERP)	0.001 %
25010-25550 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	200 W (ERP)	0.001 %
25670-28000 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	200 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.
- (3) The licensee must prior coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 25010-28000 kHz band.

Special Conditions:

(4) Operation is not permitted in the following bands:

2850 – 3025 kHz
3400 – 3500 kHz
5450 – 5680 kHz
6525 – 6685 kHz
5900-6200 kHz
7300-7400 kHz
9400-9900 kHz
11600-12100 kHz
13570-13870 kHz
15100-15800 kHz
17480-17900 kHz
18900-19020 kHz
21450-21850 kHz
25550-25670 kHz

(5) The MITRE Corporation must notch out the following spot frequencies in order to protect Search and Rescue operations:

- a. (+/- 150 Hz) 4177.5 kHz, 4207.5 kHz, 6268 kHz, 12520 kHz, 16695 kHz
- b. (+/- 152 Hz) 6312 kHz, 8414.5 kHz, 12577 kHz, 16804.5 kHz
- c. (+/- 1.4 kHz) 3024.4 kHz, 4126.4 kHz, 5681.4 kHz, 6216.4 kHz, 6517.4 kHz, 12291.4 kHz, 16421.4 kHz