

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XIU

(Call Sign)

0518-EX-ST-2020

(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 intended operation is to demonstrate sequential transmission of digital data using a small collection of widely spaced channels.

Station Locations

- (1) Elkhorn (DOUGLAS), NE - NL 41-20-44; WL 96-14-39
- (2) Stafford (PRINCE WILLIAM), VA - NL 38-30-53; WL 77-22-16

Frequency Information

Elkhorn (DOUGLAS), NE - NL 41-20-44; WL 96-14-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500-4650 kHz	FX	3K00J1D 6K00J1D	1600 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D	1600 W (ERP)	0.001 %

This authorization effective May 18, 2020 and
will expire 3:00 A.M. EST November 14, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Elkhorn (DOUGLAS), NE - NL 41-20-44; WL 96-14-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8970-9400 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %
10100-11275 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00J1D 6K00J1D	3200 W (ERP)	0.001 %

Stafford (PRINCE WILLIAM), VA - NL 38-30-53; WL 77-22-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500-4650 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %

Frequency Information

Stafford (PRINCE WILLIAM), VA - NL 38-30-53; WL 77-22-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4700-4995 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
10100-11275 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00J1D 6K00J1D	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.

Special Conditions:

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

a. (+/- 1.4 kHz) 4572.5 kHz, 4731.4 kHz, 4734.4 kHz, 4821 kHz, 4902 kHz, 4965 kHz, 8981.4 kHz, 8984.4 kHz, 9035.4 kHz, 9038.4 kHz, 10540 kHz, 10810 kHz, 10918 kHz, 11197.4 kHz, 11200.4 kHz, 11203.4 kHz, 11535 kHz, 11567 kHz, 14428.5 kHz, 14461 kHz, 14953 kHz, 15083.4 kHz, 15086.4 kHz, 15089.4 kHz

b. (+/- 2 kHz) 4763.3 kHz, 4912 kHz, 4913.5 kHz, 4963.3 kHz, 4994.4 kHz, 9076 kHz, 9110 kHz, 9127 kHz, 9169 kHz, 9291 kHz, 9332 kHz, 10297.5 kHz, 10338.5 kHz, 10378 kHz, 10675 kHz, 10759 kHz, 10788 kHz, 10929.5 kHz, 10935.5 kHz, 11024 kHz, 11045 kHz, 11157.5 kHz, 11436 kHz