

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XVB

(Call Sign)

1084-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
- (3) Sullivan (SULLIVAN), IN - NL 39-07-14; WL 87-21-30

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N	1600 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D	1600 W (ERP)	0.001 %

This authorization effective July 29, 2020 and
will expire 3:00 A.M. EST December 16, 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 (+/-)
4700-4995 kHz	FX	98K0F7N	1600 W (ERP)	0.001 %
5005-6210 kHz	FX	3K00J1D 6K00J1D 98K0F7N	1600 W (ERP)	0.001 %
6320-8250 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3200 W (ERP)	0.001 %
8970-9995 kHz	FX	3K00J1D 6K00J1D 98K0F7N	1600 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3200 W (ERP)	0.001 %
11400-12200 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3200 W (ERP)	0.001 %
13500-14990 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3200 W (ERP)	0.001 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15010-16000 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3200 W (ERP)	0.001 %
16000-17900 kHz	FX	3K00J1D 6K00J1D 98K0F7N	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 (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
5005-6210 kHz	FX	98K0F7N 3K00J1D 6K00J1D	200 W (ERP)	0.001 %
6320-8250 kHz	FX	98K0F7N 3K00J1D	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 (+/-)
6320-8250 kHz	FX	6K00J1D	200 W (ERP)	0.001 %
8970-9995 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
11400-12200 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
13500-14990 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
15010-16000 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
16000-17900 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %

Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-14; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
5005-6210 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
6320-8250 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
8970-9995 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
11400-12200 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %

Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-14; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11400-12200 kHz	FX	98K0F7N	200 W (ERP)	0.001 %
13500-14990 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
15010-16000 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %
16000-17900 kHz	FX	3K00J1D 6K00J1D 98K0F7N	200 W (ERP)	0.001 %

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) The MITRE Corporation must notch out the following:
5900-6200 kHz, 7200-7450 kHz, 9400-9900 kHz, 11600-12100 kHz, 13570-13870 kHz, 15100-15800 kHz, 17480-17900 kHz

Special Conditions:

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

a. (+/- 1.4 kHz) 4572.5 kHz, 4576.4 kHz, 4731.4 kHz, 4734.4 kHz, 4821 kHz, 4902 kHz, 4965 kHz, 5108 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 5885 kHz, 5943.5 kHz, 6216.4 kHz, 6268 kHz, 6517.4 kHz, 6312 kHz, 6502.4 kHz, 6710.4 kHz, 6743.4 kHz, 7419.5 kHz, 7630.5 kHz, 7669.5 kHz, 7736 kHz, 7743 kHz, 7747 kHz, 7775 kHz, 7793 kHz, 7821 kHz, 8292.4 kHz, 8414.5 kHz, 8765.4 kHz, 8981.4 kHz, 8984.4 kHz, 9035.4 kHz, 9038.4 kHz, 10540 kHz, 10774 kHz, 10810 kHz, 10891 kHz, 10918 kHz, 11197.4 kHz, 11200.4 kHz, 11203.4 kHz, 12081.5 kHz, 12291.4 kHz, 12520 kHz, 12577 kHz, 13219.4 kHz, 13222.4 kHz, 13434 kHz, 13493 kHz, 13496 kHz, 14428.5 kHz, 14461 kHz, 15083.4 kHz, 15086.4 kHz, 15089.4 kHz, 15640.5 kHz, 16027.5 kHz, 16421.4 kHz, 16695 kHz, 16804.5 kHz

b. 5107 kHz, 5108.5 kHz, 5110 kHz, 5215.5 kHz, 5217 kHz, 5221.5 kHz, 5223 kHz, 5224.5 kHz, 5264.5 kHz, 5266 kHz, 5267.5 kHz, 5270.5 kHz, 5272 kHz, 5418 kHz, 5419.5 kHz, 5421 kHz, 5931 kHz, 5934 kHz, 5941 kHz, 5942.5 kHz, 5944 kHz, 6961 kHz, 7439 kHz, 7577 kHz, 7617 kHz, 7626 kHz, 7754.5 kHz, 7845 kHz, 7884 kHz, 7909 kHz, 8459 kHz, 8503.9 kHz, 8682 kHz, 9110 kHz, 9169 kHz, 9291 kHz, 9332 kHz, 10297.5 kHz, 10338.5 kHz, 10354.5 kHz, 10378 kHz, 10675 kHz, 10759 kHz, 10788 kHz, 10929.5 kHz, 10935.5 kHz, 11024 kHz, 11045 kHz, 11157.5 kHz

c. (bands) 5450-5680 kHz, 6525-6685 kHz