

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XYQ

(Call Sign)

1204-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 transmission of messages using MIL-STD-188-110 waveforms

Station Locations

- (1) Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30
- (2) Nellis AFB (CLARK), NV - NL 36-14-24; WL 115-01-10
- (3) White Sands MR (SOCORRO), NM - NL 33-48-49; WL 106-38-36
- (4) Offutt AFB (SARPY), NE - NL 41-06-50; WL 95-55-16
- (5) Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08

Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D	1500 W (ERP)	0.001 %
		6K00J1D		
		98K0F7N		
		36K0J1D		

This authorization effective August 31, 2020 and
will expire 3:00 A.M. EST February 21, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1800 W (ERP)	0.001 %
5005-5900 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2300 W (ERP)	0.001 %
6200-6210 kHz	FX	3K00J1D 6K00J1D	2300 W (ERP)	0.001 %
6320-7200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
7450-8250 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	2800 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3000 W (ERP)	0.001 %

Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9900-9995 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3000 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
11400-11600 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3500 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
13500-13570 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3800 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3800 W (ERP)	0.001 %

Frequency Information

Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15010-15100 kHz	FX	3K00J1D 6K00J1D 36K0J1D	4000 W (ERP)	0.001 %
15800-16000 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	4000 W (ERP)	0.001 %
16000-17480 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	4000 W (ERP)	0.001 %

Nellis AFB (CLARK), NV - NL 36-14-24; WL 115-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1500 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1800 W (ERP)	0.001 %

Frequency Information

Nellis AFB (CLARK), NV - NL 36-14-24; WL 115-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5005-5900 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2300 W (ERP)	0.001 %
6200-6210 kHz	FX	3K00J1D 6K00J1D	2300 W (ERP)	0.001 %
6320-7200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
7450-8250 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3000 W (ERP)	0.001 %
9900-9995 kHz	FX	36K0J1D 6K00J1D 3K00J1D	3000 W (ERP)	0.001 %

Frequency Information

Nellis AFB (CLARK), NV - NL 36-14-24; WL 115-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
13500-13570 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3800 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3800 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D 36K0J1D	4000 W (ERP)	0.001 %

Frequency Information

Nellis AFB (CLARK), NV - NL 36-14-24; WL 115-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15800-16000 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	4000 W (ERP)	0.001 %
16000-17480 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	4000 W (ERP)	0.001 %

White Sands MR (SOCORRO), NM - NL 33-48-49; WL 106-38-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1500 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1800 W (ERP)	0.001 %
5005-5900 kHz	FX	3K00J1D 6K00J1D 98K0F7N	2300 W (ERP)	0.001 %

Frequency Information

White Sands MR (SOCORRO), NM - NL 33-48-49; WL 106-38-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5005-5900 kHz	FX	36K0J1D	2300 W (ERP)	0.001 %
6200-6210 kHz	FX	3K00J1D 6K00J1D	2300 W (ERP)	0.001 %
6320-7200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
7450-8250 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3000 W (ERP)	0.001 %
9900-9995 kHz	FX	36K0J1D 6K00J1D 3K00J1D	3000 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3500 W (ERP)	0.001 %

Frequency Information

White Sands MR (SOCORRO), NM - NL 33-48-49; WL 106-38-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10101-11275 kHz	FX	36K0J1D	3500 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
12100-12200 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3500 W (ERP)	0.001 %
13500-13570 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3800 W (ERP)	0.001 %
13870-14990 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3800 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D 36K0J1D	4000 W (ERP)	0.001 %
15800-16000 kHz	FX	36K0J1D 98K0F7N	4000 W (ERP)	0.001 %

Frequency Information

White Sands MR (SOCORRO), NM - NL 33-48-49; WL 106-38-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15800-16000 kHz	FX	6K00J1D 3K00J1D	4000 W (ERP)	0.001 %
16000-17480 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	4000 W (ERP)	0.001 %

Offutt AFB (SARPY), NE - NL 41-06-50; WL 95-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1500 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1800 W (ERP)	0.001 %
5005-5900 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2300 W (ERP)	0.001 %

Frequency Information

Offutt AFB (SARPY), NE - NL 41-06-50; WL 95-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6200-6210 kHz	FX	3K00J1D 6K00J1D	2300 W (ERP)	0.001 %
6320-7200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
7450-8250 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	2800 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3000 W (ERP)	0.001 %
9900-9995 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3000 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %

Frequency Information

Offutt AFB (SARPY), NE - NL 41-06-50; WL 95-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11400-11600 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
13500-13570 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3800 W (ERP)	0.001 %
13870-14990 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3800 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D 36K0J1D	4000 W (ERP)	0.001 %
15800-16000 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	4000 W (ERP)	0.001 %

Frequency Information

Offutt AFB (SARPY), NE - NL 41-06-50; WL 95-55-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16000-17480 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	4000 W (ERP)	0.001 %

Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1500 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	1800 W (ERP)	0.001 %
5005-5900 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2300 W (ERP)	0.001 %
6200-6210 kHz	FX	3K00J1D 6K00J1D	2300 W (ERP)	0.001 %

Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6320-7200 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	2800 W (ERP)	0.001 %
7450-8250 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	2800 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3000 W (ERP)	0.001 %
9900-9995 kHz	FX	36K0J1D 6K00J1D 3K00J1D	3000 W (ERP)	0.001 %
10101-11275 kHz	FX	3K00J1D 6K00J1D 98K0F7N 36K0J1D	3500 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D 98K0F7N	3500 W (ERP)	0.001 %

Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11400-11600 kHz	FX	36K0J1D	3500 W (ERP)	0.001 %
12100-12200 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3500 W (ERP)	0.001 %
13500-13570 kHz	FX	3K00J1D 6K00J1D 36K0J1D	3800 W (ERP)	0.001 %
13870-14990 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	3800 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D 36K0J1D	4000 W (ERP)	0.001 %
15800-16000 kHz	FX	36K0J1D 98K0F7N 6K00J1D 3K00J1D	4000 W (ERP)	0.001 %
16000-17480 kHz	FX	3K00J1D 6K00J1D	4000 W (ERP)	0.001 %

Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16000-17480 kHz	FX	98K0F7N 36K0J1D	4000 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) 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.

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

4572.5 kHz (+/-1.4kHz), 4576.4 kHz (+/-1.4kHz), 4731.4 kHz (+/-1.4kHz), 4734.4 kHz (+/-1.4kHz), 4821 kHz (+/-1.4kHz), 4902 kHz (+/-1.4kHz), 4965 kHz (+/-1.4kHz), 5107 kHz (+/-1.5kHz), 5108 kHz (+/-1.4kHz), 5108.5 kHz (+/-1.5kHz), 5110 kHz (+/-1.5kHz), 5215.5 kHz (+/-1.5kHz), 5217 kHz (+/-1.5kHz), 5221.5 kHz (+/-1.5kHz), 5223 kHz (+/-1.5kHz), 5224.5 kHz (+/-1.5kHz), 5264.5 kHz (+/-1.5kHz), 5266 kHz (+/-1.5kHz), 5267.5 kHz (+/-1.5kHz), 5270.5 kHz (+/-1.5kHz), 5272 kHz (+/-1.5kHz), 5418 kHz (+/-1.5kHz), 5419.5 kHz (+/-1.5kHz), 5421 kHz (+/-1.5kHz), 5450 - 5680 kHz, 5681.4 kHz (+/-1.4kHz), 5694.4 kHz (+/-1.4kHz), 5697.4 kHz (+/-1.4kHz), 5700.4 kHz (+/-1.4kHz), 5885 kHz (+/-1.4kHz), 6312 kHz (+/-1.4kHz), 6502.4 kHz (+/-1.4kHz), 6525 - 6685 kHz, 6517.4 kHz (+/-1.4kHz), 6710.4 kHz (+/-1.4kHz), 6743.4 kHz (+/-1.4kHz), 6961 kHz (+/-1.5kHz), 7577 kHz (+/-1.5kHz), 7617 kHz (+/-1.5kHz), 7626 kHz (+/-1.5kHz), 7630.5 kHz (+/-1.4kHz), 7669.5 kHz (+/-1.4kHz), 7736 kHz (+/-1.4kHz), 7743 kHz (+/-1.4kHz), 7747 kHz (+/-1.4kHz), 7754.5 kHz (+/-1.5kHz), 7775 kHz (+/-1.4kHz), 7793 kHz (+/-1.4kHz), 7821 kHz (+/-1.4kHz), 7845 kHz (+/-1.5kHz), 7884 kHz (+/-1.5kHz), 7909 kHz (+/-1.5kHz), 8981.4 kHz (+/-1.4kHz), 8984.4 kHz (+/-1.4kHz), 9035.4 kHz (+/-1.4kHz), 9038.4 kHz (+/-1.4kHz), 9110 kHz (+/-1.5kHz), 9169 kHz (+/-1.5kHz), 9291 kHz (+/-1.5kHz), 9332 kHz (+/-1.5kHz), 10297.5 kHz (+/-1.5kHz), 10338.5 kHz (+/-1.5kHz), 10354.5 kHz (+/-1.5kHz), 10378 kHz (+/-1.5kHz), 10540 kHz (+/-1.4kHz), 10675 kHz (+/-1.5kHz), 10759 kHz (+/-1.5kHz), 10774 kHz (+/-1.4kHz), 10788 kHz (+/-1.5kHz), 10810 kHz (+/-1.4kHz), 10891 kHz (+/-1.4kHz), 10918 kHz (+/-1.4kHz), 10929.5 kHz (+/-1.5kHz), 10935.5 kHz (+/-1.5kHz), 11024 kHz (+/-1.5kHz), 11045 kHz (+/-1.5kHz), 11157.5 kHz (+/-1.5kHz), 11197.4 kHz (+/-1.4kHz), 11200.4 kHz (+/-1.4kHz), 11203.4 kHz (+/-1.4kHz), 13260 - 13360 kHz, 14428.5 kHz (+/-1.4kHz), 14461 kHz (+/-1.4kHz), 15083.4 kHz (+/-1.4kHz), 15086.4 kHz (+/-1.4kHz), 15089.4 kHz (+/-1.4kHz), 16027.5 kHz (+/-1.4kHz), 16421.4 kHz (+/-1.4kHz), 16695 kHz (+/-1.4kHz), 16804.5 kHz (+/-1.4kHz).