

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

EXPERIMENTAL

(Nature of Service)

WR9XYP

(Call Sign)

XT FX

(Class of Station)

0524-EX-ST-2021

(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 demonstrate transmission of MIL-STD-188-110 waveforms between multiple sites.

Station Locations

- (1) Bedford (MIDDLESEX), MA - NL 42-30-11; WL 71-14-08
- (2) Sullivan (SULLIVAN), IN - NL 39-07-13; WL 87-21-30
- (3) Stafford (PRINCE WILLIAM), VA - NL 38-30-53; WL 77-22-16
- (4) Laurel (HOWARD), MD - NL 39-09-45; WL 76-53-30

Frequency Information

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	1500 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D	1500 W (ERP)	0.001 %

This authorization effective May 03, 2021 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4700-4995 kHz	FX	6K00J1D	1500 W (ERP)	0.001 %
5005-5450 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
5680-5900 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
6320-6525 kHz	FX	6K00J1D 3K00J1D	1500 W (ERP)	0.001 %
6685-7200 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
7450-8200 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
10100-11275 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D	1500 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	6K00J1D	1500 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00J1D 6K00J1D	1500 W (ERP)	0.001 %

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 6K00J1D	200 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
5005-5450 kHz	FX	6K00J1D 3K00J1D	200 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 (+/-)
5680-5900 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
6320-6525 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
6685-7200 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
7450-8200 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 %
12100-12200 kHz	FX	3K00J1D 6K00J1D	200 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	200 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00J1D 6K00J1D	200 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	200 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
5005-5450 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
5680-5900 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
6320-6525 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 (+/-)
6685-7200 kHz	FX	3K00J1D 6K00J1D	200 W (ERP)	0.001 %
7450-8200 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 %
12100-12200 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 %

Frequency Information

Laurel (HOWARD), MD - NL 39-09-45; WL 76-53-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4210-4650 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
4700-4995 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
5005-5450 kHz	FX	6K00J1D 3K00J1D	150 W (ERP)	0.001 %
5680-5900 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
6320-6525 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
6685-7200 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
7450-8200 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
8970-9400 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %

Frequency Information

Laurel (HOWARD), MD - NL 39-09-45; WL 76-53-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10100-11275 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
11400-11600 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
15010-15100 kHz	FX	3K00J1D 6K00J1D	150 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00J1D 6K00J1D	150 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) All operations using the 6960-7000 kHz band at the Stafford, VA location shall be coordinated with the NASA Langley Research Center (LaRC) Spectrum Management Office, Stephen Horan (stephen.j.horan@nasa.gov) and Lee Joyce (lee.joyce@nasa.gov), at least 7 days prior to operation.
- (4) Notch out 5450-5680 kHz and 6525-6685 kHz.