

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WM9XSU

(Call Sign)

0737-EX-ST-2018

(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 goal of the AFRL testing is to improve HF System performance. The objective of this frequency authorization request is to provide ionospheric channel information that informs testing

Station Locations

- (1) White Sands Range (OTERO), NM - NL 32-19-55; WL 106-24-14
- (2) palm bay (BREVARD), FL - NL 28-01-30; WL 80-41-02
- (3) whidbey Island (ISLAND), WA - NL 48-20-44; WL 122-40-40

Frequency Information

White Sands Range (OTERO), NM - NL 32-19-55; WL 106-24-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.2-6.524 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
6.686-7.3 MHz	FX	3K00D7D	200 W (ERP)	0.001 %

This authorization effective June 15, 2018 and
will expire 3:00 A.M. EST October 16, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

White Sands Range (OTERO), NM - NL 32-19-55; WL 106-24-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.4-8.814 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
8.966-9.4 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
9.9-9.994 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
10.101-11.274 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
11.401-11.6 MHz	FX	3K00D7D	200 W (ERP)	0.001 %
12.1-13 MHz	FX	3K00D7D	200 W (ERP)	0.001 %

palm bay (BREVARD), FL - NL 28-01-30; WL 80-41-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.649 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
4.701-4.994 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
5.006-5.449 MHz	FX	3K00D7D	10 W (ERP)	0.001 %

Frequency Information

palm bay (BREVARD), FL - NL 28-01-30; WL 80-41-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.681-5.9 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
6.2-6.524 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
6.686-7.3 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
7.4-8.814 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
8.966-9.4 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
9.9-9.994 MHz	FX	3K00D7D	10 W (ERP)	0.001 %

whidbey Island (ISLAND), WA - NL 48-20-44; WL 122-40-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.649 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
4.701-4.994 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
5.006-5.449 MHz	FX	3K00D7D	10 W (ERP)	0.001 %

Frequency Information

whidbey Island (ISLAND), WA - NL 48-20-44; WL 122-40-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.681-5.9 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
6.2-6.524 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
6.686-7.3 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
7.4-8.814 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
8.966-9.4 MHz	FX	3K00D7D	10 W (ERP)	0.001 %
9.9-9.994 MHz	FX	3K00D7D	10 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) Operation is not permitted in the following bands:
5.900-6.200 MHz
7.300-7.400 MHz
9.400-9.900 MHz
11.600-12.100 MHz
- (4) MITRE must schedule and coordinate operations through their White Sands Missile Range (WSMR) liaison/sponsor prior to operations at WSMR, NM.
- (5) 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.