

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XMF

(Call Sign)

2230-EX-ST-2019

(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 MITRE/AFRL testing is to improve HF System performance.

Station Locations

- (1) Tampa, FL - NL 27-50-15; WL 82-29-36
- (2) Malabar, FL - NL 28-01-15; WL 80-41-05

Frequency Information

Tampa, FL - NL 27-50-15; WL 82-29-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.45-8.27 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
8.434-8.71 MHz	FX	100KF8N 100KG8N 5K00F8N	16 W (ERP)	0.001 %

This authorization effective January 10, 2020 and
will expire 3:00 A.M. EST April 24, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tampa, FL - NL 27-50-15; WL 82-29-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.434-8.71 MHz	FX	5K00G8N	16 W (ERP)	0.001 %
8.71-8.814 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
8.966-9.4 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
9.9-9.994 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
10.101-11.274 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
11.401-11.6 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %

Frequency Information

Tampa, FL - NL 27-50-15; WL 82-29-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.1-13.259 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
13.411-13.57 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
13.87-14.989 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %

Malabar, FL - NL 28-01-15; WL 80-41-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.45-8.27 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
8.434-8.71 MHz	FX	100KF8N 100KG8N 5K00F8N	16 W (ERP)	0.001 %

Frequency Information

Malabar, FL - NL 28-01-15; WL 80-41-05

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8.434-8.71 MHz	FX	5K00G8N	16 W (ERP)	0.001 %
8.71-8.814 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
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Frequency Information

Malabar, FL - NL 28-01-15; WL 80-41-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.1-13.259 MHz	FX	5K00G8N 5K00F8N 100KG8N 100KF8N	16 W (ERP)	0.001 %
13.411-13.57 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 W (ERP)	0.001 %
13.87-14.989 MHz	FX	100KF8N 100KG8N 5K00F8N 5K00G8N	16 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.
- (4) The MITRE Corporation must notch out the following (+/- 1.4 kHz) 8292.4 kHz, 8414.5 kHz, 12291.4 kHz, 12520 kHz, 12577 kHz in order to protect ongoing operations at both locations.