

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

EXPERIMENTAL

(Nature of Service)

WJ9XOV

(Call Sign)

XT FX MO

(Class of Station)

0273-EX-ST-2016

(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:

Several internally-funded research projects require specific data at multiple frequency bands. These requirements will be fulfilled by conducting several short and intermittent outdoor

Station Locations

- (1) Bedford (MIDDLESEX), MA - NL 42-30-17; WL 71-14-18
- (2) Bedford (MIDDLESEX), MA - NL 42-30-17; WL 71-14-18
- (3) Bedford (ESSEX), MA - NL 42-30-18; WL 71-14-12
- (4) MOBILE: Courtyard at MITRE Bedford campus, within 0.3 km, centered around NL 42-30-17; WL 71-14-15

Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-17; WL 71-14-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2401.5-2426.5 MHz	FX	20M0W7W	1 W (ERP)	1.0E-6 %
2471.5-2496.5 MHz	FX	20M0W7W	1 W (ERP)	1.0E-6 %

This authorization effective May 01, 2016 and
will expire 3:00 A.M. EST November 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bedford (MIDDLESEX), MA - NL 42-30-17; WL 71-14-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5675-5725 MHz	FX	20M0W7W 20M0Q1N	1 W (ERP)	1.0E-6 %

Bedford (ESSEX), MA - NL 42-30-18; WL 71-14-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9975-10025 MHz	FX	20M0Q1N	1 W (ERP)	1.0E-6 %

MOBILE: Courtyard at MITRE Bedford campus, within 0.3 km, centered around NL 42-30-17; WL 71-14-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2401.5-2426.5 MHz	MO	20M0W7W	5.6 mW (ERP)	0.0001 %
2471.5-2496.5 MHz	MO	20M0W7W	5.6 mW (ERP)	0.0001 %

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) 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) Licensee is required to coordinate operations with existing microwave users in 2471.5-2496.5 MHz band in the areas to avoid interference.

Special Conditions:

- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator in the band 2471.5-2496.5 MHz. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.