

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WR9XMZ

(Call Sign)

1857-EX-ST-2020

(File Number)

NAME University of Massachusetts Lowell

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 purpose is to verify proper operation of the space radios and the ground stations operating together.

Station Locations

- (1) Lowell, MA - NL 42-38-59; WL 71-18-57
- (2) Lowell, MA - NL 42-39-20; WL 71-19-31
- (3) Westford, MA - NL 42-37-23; WL 71-29-17

Frequency Information

Lowell, MA - NL 42-38-59; WL 71-18-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
435-438 MHz	FX	14K4F1D	0.966 W (ERP)	
435-438 MHz	FX	14K4F1D	9146 W (ERP)	

This authorization effective January 26, 2021 and
will expire 3:00 A.M. EST March 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lowell, MA - NL 42-38-59; WL 71-18-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7199-7201 MHz	FX	2M00G1D	9146 W (ERP)	
8322-8378 MHz	FX	56M0G1D	55.7 W (ERP)	

Lowell, MA - NL 42-39-20; WL 71-19-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
435-438 MHz	FX	14K4F1D	9146 W (ERP)	
435-438 MHz	FX	14K4F1D	0.966 W (ERP)	
7199-7201 MHz	FX	2M00G1D	9146 W (ERP)	
8322-8378 MHz	FX	56M0G1D	55.7 W (ERP)	

Westford, MA - NL 42-37-23; WL 71-29-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
435-438 MHz	FX	14K4F1D	0.966 W (ERP)	

Frequency Information

Westford, MA - NL 42-37-23; WL 71-29-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
435-438 MHz	FX	14K4F1D	9146 W (ERP)	
7199-7201 MHz	FX	2M00G1D	9146 W (ERP)	
8322-8378 MHz	FX	56M0G1D	55.7 W (ERP)	

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) University of Massachusetts must coordinate operations with Mr. Dan Mertely, nrao-rfi@nrao.edu, phone: (575) 835-7128.
- (4) Stop buzzer is Supriya Chakrabarti at (978) 934-3287.