

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WA8XDF

(Call Sign)

1049-EX-ST-2026

(File Number)

NAME Systems & Technology Research

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:

STR is evaluating a novel GNSS receive array by up-converting to S-Band and then down-converting L-Band to avoid interfering with GNSS users.

Station Locations

- (1) Woburn (MIDDLESEX), MA - NL 42-29-43; WL 71-07-38
- (2) Lancaster (WORCESTER), MA - NL 42-29-26; WL 71-39-57

Frequency Information

Woburn (MIDDLESEX), MA - NL 42-29-43; WL 71-07-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3-3.1 GHz	FX	100MG7D	501 W (ERP)	0.00005 %

This authorization effective July 14, 2026 and
will expire 3:00 A.M. EST December 13, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lancaster (WORCESTER), MA - NL 42-29-26; WL 71-39-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3-3.1 GHz	FX	100MG7D	501 W (ERP)	0.00005 %

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) Stop buzzer POC: Ajnur Sljivo at (402) 707-0815.
- (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) For the location Woburn,MIDDLESEX,MA- NL 42-29-43; WL 71-07-38 , blank transmissions between 23 and 47 degrees, reference true north to protect Chester, NH ASR
- (5) For the location Lancaster,WORCESTER,MA- NL 42-29-26; WL 71-39-57, blank transmissions between 18 and 42 degrees, reference true north to protect Chester, NH ASR