

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WA8XBL

(Call Sign)

1279-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 would like to perform ground based over-the-air testing from a stationary standard gain horn located at our STR Woburn facility to an UMBRA receiver system.

Station Locations

- (1) Woburn (MIDDLESEX), MA - NL 42-29-43; WL 71-07-38
- (2) Woburn (MIDDLESEX), MA - NL 42-29-43; WL 71-07-38
- (3) Mashpee (BARNSTABLE), MA - NL 41-39-39; WL 70-29-44

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.4 GHz	FX	200MF3N 500MF3N 1G00F3N	1 W (ERP)	0.001 %

This authorization effective July 22, 2026 and
will expire 3:00 A.M. EST January 23, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.4 GHz	FX	200MF3N 500MF3N 1G00F3N	31.62278 W (ERP)	0.001 %

Mashpee (BARNSTABLE), MA - NL 41-39-39; WL 70-29-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.4 GHz	FX	200MF3N 500MF3N 1G00F3N	1 W (ERP)	0.001 %
9.2-10.4 GHz	FX	200MF3N 500MF3N 1G00F3N	31 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) The antenna at Woburn, Middlesex, MA can be no higher than 600 ft.
- (3) The antenna at Mashpee, MA can be no higher than 90 ft.
- (4) Stop Buzzer Point of Contact: Janet Werth, Janet.werth@str.us, 339-927-6012
- (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.