George Kassapis, 600 W Cummings Park, Woburn, MA 01801,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WA8XBM
(Nature of Service)	(Call Sign)
XT FX	0909-EX-ST-2026
(Class of Station)	(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:
Ground test with ROTHR for verification of beacon functionality, algorithm functionality and team training.

Station Locations
(1) Woburn (MIDDLESEX), MA - NL 42-29-43; WL 71-07-38
(2) Melbourne (BREVARD), FL - NL 28-02-14; WL 80-35-47
(3) Beavercreek (GREENE), OH - NL 39-45-47; WL 84-03-36

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.003-0.03 GHz	FX	G1D 200HG1D	200 W (ERP)	0.005 %

This authorization effective June 20, 2026 and
will expire 3:00 A.M. EST December 21, 2026

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Melbourne (BREVARD), FL - NL 28-02-14; WL 80-35-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.003-0.03 GHz	FX		200 W (ERP)	0.005 %
		200HG1D		
		200HG1D		

Beavercreek (GREENE), OH - NL 39-45-47; WL 84-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.003-0.03 GHz	FX		200 W (Output Power)	0.005 %
		200HG1D		

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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://sbe.org/resources/frequency-coordination/ to find the appropriate coordinator.

(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 must exclude the following frequencies as these frequencies are intended for International Broadcast use: 5.9-6.2MHz, 7.2-7.45 MHz, 9.4-9.9 MHz, 11.6-12.1 MHz, 13.57-13.87 MHz, 15.1-15.8 MHz, 17.48-17.9 MHz, 18.9-19.02 MHz, 21.45-21.85MHz and 25.67-26.1MHz.

(5) Systems & Technology Research must notch out the following:
a. (+/- 1.4 kHz) 3429.4 kHz, 4053.6 kHz, 4056.4 kHz, 4623.6 kHz, 4626.4 kHz, 5861.4 kHz, 6868.6 kHz, 6871.4 kHz, 7473.6 kHz, 7476.4 kHz, 4609.6 kHz, 7612.4 kHz, 8123.6 kHz, 8126.4 kHz, 9912.6 kHz, 9915.4 kHz, 11635.6 kHz, 11638.4 kHz, 13455.6 kHz, 13458.4 kHz, 15849.6 kHz, 15852.4 kHz, 16346.6 kHz, 16349.4 kHz, 19408.6 kHz, 19411.4 kHz, 20853.4 kHz, 24584.6 kHz, 24551.4 kHz

b. (+/- 3 kHz) 4610 kHz, 4979 kHz, 5837 kHz, 7870 kHz, 10424 kHz, 11448 kHz, 12109 kHz, 13437 kHz, 16011 kHz, 18475 kHz, 20361 kHz, 23390 kHz.