

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

EXPERIMENTAL

(Nature of Service)

WN9XUB

(Call Sign)

XT FX

(Class of Station)

2030-EX-ST-2018

(File Number)

NAME Johns Hopkins University Applied Physics Laboratory (JHU/APL)

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:

Radar signals will be transmitted towards various low earth orbiting calibration spheres. Bistatic and monostatic configurations are planned.

Station Locations

(1) Laurel (HOWARD), MD - NL 39-10-02; WL 76-53-55

Frequency Information

Laurel (HOWARD), MD - NL 39-10-02; WL 76-53-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2092-2095 MHz	FX	3M00Q3N	100 MW (ERP)	1.0E-8 %
		2M00Q3N		
		1M00Q3N		
		3M00Q1N		
		2M00Q1N		
		2M00P0N		
		1M00P0N		
		0M50P0N		

This authorization effective January 15, 2019 and
will expire 3:00 A.M. EST June 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (6) All operations must be coordinated at least 3 days in advance with the NASA Goddard Space Flight Center (GSFC) Spectrum Manager, Scott Galbraith at 301.286.5089 or vincent.s.galbraith@nasa.gov, in order to ensure that concurrent operations with co-channel NASA missions are avoided.