

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

EXPERIMENTAL

(Nature of Service)

WM9XTM

(Call Sign)

XT FX

(Class of Station)

0898-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	0M50P0N	100 MW (ERP)	1.0E-8 %
		1M00P0N		
		2M00P0N		
		2M00Q1N		
		3M00Q1N		

Special Conditions:

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

This authorization effective June 01, 2018 and
will expire 3:00 A.M. EST September 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) All operations shall 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.
Jonathan