

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

EXPERIMENTAL

(Nature of Service)

WQ9XSX

(Call Sign)

XT FX

(Class of Station)

0961-EX-ST-2020

(File Number)

NAME Johns Hopkins University / Applied Physics Laboratory

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:

Experiment to transmit from APLs existing S-Band communications ground station to a orbiting radar calibration sphere in order to calibrated an array of antennas.

Station Locations

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

Frequency Information

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

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

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) 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.

This authorization effective July 09, 2020 and
will expire 3:00 A.M. EST December 31, 2020

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COMMISSION**



Special Conditions:

- (3) 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.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) Transmission from Johns Hopkins University Applied Physics Lab (APL) ground station shall cease when the NASA International Space Station (NORAD designation 25544, International Spacecraft ID 1998-067A) is within horizon to horizon view of the Laurel, MD ground station.
- (6) All operations shall be coordinated with the NASA Goddard Space Flight Center (GSFC) Spectrum Office at NASA-DL-GSFC-Spectrum-Management@mail.nasa.gov, at least 3 days in advance of operation, in order to ensure that concurrent operations with co-channel NASA missions are avoided.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Bill Dove at (443) 778-3766; William.Dove@jhupapl.edu