

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

EXPERIMENTAL

(Nature of Service)

WP9XGE

(Call Sign)

XT FX

(Class of Station)

0546-EX-ST-2020

(File Number)

NAME Harris Corproation

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:

It is to demonstrate transmission of a ground to space uplink signal from a Phased Array Antenna System (PAAS), including transmission to a fixed terrestrial receiver and a satellite vehicle.

Station Locations

(1) Palm Bay (BREVARD), FL - NL 28-01-55; WL 80-35-54

Frequency Information

Palm Bay (BREVARD), FL - NL 28-01-55; WL 80-35-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2096 MHz	FX	3M00G7F	27.797 kW (ERP)	0.0006 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Prior to operation, licensee shall successfully coordinate with the local Society of Broadcast Engineers frequency coordinator.

This authorization effective April 20, 2019 and
will expire 3:00 A.M. EST August 29, 2020

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Special Conditions:

- (4) All operations are prohibited when the NASA International Space Station (ISS) (NORAD designation 25544 or international spacecraft ID 1998-67A) is within 5 degrees of the Phased Array Antenna System (PAAS) electrical boresight.