

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XDP

(Call Sign)

1554-EX-ST-2019

(File Number)

NAME L3HARRIS

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:

Antennna Testing

Station Locations

(1) Half Moon Bay (SAN MATEO), CA - NL 37-30-54; WL 122-22-44

Frequency Information

Half Moon Bay (SAN MATEO), CA - NL 37-30-54; WL 122-22-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
960-976 MHz	FX	10MONON	316 W (ERP)	
1530-1559 MHz	FX	10MONON	316 W (ERP)	

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.

This authorization effective September 16, 2019 and
will expire 3:00 A.M. EST March 16, 2020

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Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (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) L3 Harris Technologies must notch out the following:
 - a. 976 - 1020 MHz band due to potential interference to GBT and DME ops.
 - b. 1100 – 1140 MHz band due to potential interference to GBT and DME ops.
 - c. 1300 – 1360 MHz band due to potentially harmful interference to FAA ARSR operations. Further analysis will require information about antenna dish and emissions. Precoordination with FAA via WebFCR is required.
 - d. 1559 – 1600 MHz band harmful due to interference from sidelobes to GPS L1 RNAV operations in the San Francisco area, particularly with approaches to San Francisco and Oakland airports.