

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WP9XLE

(Call Sign)

1742-EX-ST-2019

(File Number)

NAME L3Harris Technologies, Inc.

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:

L3Harris requests experimental STA to operate an X-band ground terminal for a LEO earth observation satellite.

Station Locations

(1) Malabar (BREVARD), FL - NL 27-58-38; WL 80-33-12

Frequency Information

Malabar (BREVARD), FL - NL 27-58-38; WL 80-33-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.19225-8.20775 GHz	FX	15M6G1D	3350 W (ERP)	

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 October 15, 2019 and
will expire 3:00 A.M. EST April 06, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) 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.
- (4) Downlink operations from on-orbit satellites to this ground terminal location are not addressed by this authorization. Any satellite that intends to use this ground terminal location to support downlink operations shall obtain the appropriate license prior to operations. Any requests for commercial downlink operations in these frequency bands shall be pre-coordinated with federal agencies prior to submission to the FCC.
- (5) L3Harris Technologies, Inc. must adhere to the conditions listed in the "Exhibit 1 Request for Special Temporary Authority" attachment.
- (6) The stop buzzer contact for this project is Kim Singleton – Satellite Operations Manager (Mobile: 321-446-2262), and an alternative stop buzzer contact is Rod Nelson - Chief Engineer (Mobile: 321-544-6477), e-mail: gnelso03@L3harris.com.