

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WL2XNS

(Call Sign)

XC FX MO

(Class of Station)

0107-EX-CN-2021

(File Number)

NAME L3HARRIS TECHNOLOGIES, INC.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 77-27-06

Frequency Information

Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1796 MHz	MO	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1780-1796 MHz	FX	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D	25 W (ERP)	0.0025 %

This authorization effective March 02, 2021 and
will expire 3:00 A.M. EST January 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1796 MHz	FX	10M0G1E	25 W (ERP)	0.0025 %
1804-1821 MHz	MO	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1804-1821 MHz	FX	10M0G1E 10M0G1D 4M00G1E 4M00G1D 1M50F1E 1M50F1D	25 W (ERP)	0.0025 %
1827-1840 MHz	FX	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1827-1840 MHz	MO	10M0G1E 10M0G1D 4M00G1E 4M00G1D 1M50F1E 1M50F1D	25 W (ERP)	0.0025 %

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.
- (3) L3Harris Technologies, Inc. must submit a stop buzzer name, phone number, and email to the DHS spectrum office prior to operations, jason.chabot@hq.dhs.gov and agree to immediate cease operations at the request of the Department for any reason, to include, but not limited to EMI.
- (4) Operation is not permitted in 1796-1804 MHz and 1821-1827 MHz bands.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number NNA10DF16B. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) The stop buzzer contact for this project is Bob Ness at (703) 342-6932.