

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

EXPERIMENTAL

(Nature of Service)

WL2XBV

(Call Sign)

XC FX MO

(Class of Station)

0483-EX-CN-2020

(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) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (2) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (3) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (4) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (5) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (6) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (7) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (8) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (9) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (10) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27
- (11) Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22; WL 77-35-27

This authorization effective August 21, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.2 GHz	MO	25M0DXW 1M00DXW	0.00398 W (ERP)	0.00001 %
7.25-7.75 GHz	MO	25M0DXW 1M00DXW	0.00398 W (ERP)	0.00001 %
10.95-12.75 GHz	MO	25M0DXW 1M00DXW	0.00398 W (ERP)	0.00001 %
19.2-21.2 GHz	MO	25M0DXW 1M00DXW	0.00398 W (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.02 MW (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.562 MW (ERP)	0.00001 %

Frequency Information

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	MO	1M00DXW 25M0DXW	0.04 MW (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29-31 GHz	MO	1M00DXW 25M0DXW	0.182 MW (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	0.014 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.066 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.126 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	0.155 MW (ERP)	0.00001 %

Frequency Information

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	0.042 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.141 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.269 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	0.371 MW (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	0.245 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	0.66 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	1.258 MW (ERP)	0.00001 %

Frequency Information

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	0.537 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	1.071 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	3.311 MW (ERP)	0.00001 %

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	1M00DXW 25M0DXW	0.38 MW (ERP)	0.00001 %
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	0.831 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	1.698 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	2.29 MW (ERP)	0.00001 %

Frequency Information

Rochester (MONROE), NY - NL 43-05-22; WL 77-35-27; MOBILE: within 0.1km, within 0.1 km, centered around NL 43-05-22;

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-6.425 GHz	MO	1M00DXW 25M0DXW	0.537 MW (ERP)	0.00001 %
7.9-8.4 GHz	MO	1M00DXW 25M0DXW	1.202 MW (ERP)	0.00001 %
13.75-14.5 GHz	MO	1M00DXW 25M0DXW	2.398 MW (ERP)	0.00001 %
29-31 GHz	MO	1M00DXW 25M0DXW	3.311 MW (ERP)	0.00001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Stop Buzzer: Vance Kannapel at 585-742-9122, Vance.Kannapel@L3Harris.com
- (5) Licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed area prior to operation in 19.2- 21.2 GHz band.
- (6) Licensee must successfully coordinate with Fixed Microwave Service licensees in each proposed area in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 4-4.2 MHz, 5.85-6.425 GHz, 10.95-12.75 GHz, 19.2-21-2 GHz, and 29-31 GHz.
- (7) Prior to commencing any operations in the 5850-6425 MHz frequency band, the applicant must notify the earth station licensee operating in the 5894-5899 MHz and 5919-5927 MHz frequency bands the test dates and provide a stop buzzer in case of interference.
- (8) Prior to commencing any operations in the 14.0-14.5 GHz frequency band, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference.

Special Conditions:

- (9) Prior to commencing any operations in the 29-31 GHZ frequency band, the applicant must notify the earth station licensee operating in the 28.6- 29.1 GHz frequency band the test dates and provide a stop buzzer in case of interference.
- (10) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USSOCOM, Contract Number H92401-20-2-0002 and US Army, Contract Number W56JSR-17-D-0006. 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.
- (11) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA125541, HIWRAP radar assignments.