

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

EXPERIMENTAL

(Nature of Service)

WL2XIK

(Call Sign)

XD MO

(Class of Station)

0908-EX-CN-2020

(File Number)

NAME L3Harris

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Lake Ontario, IAG, ENE@15-45nm, E for 90 nm over Lake Ontario, within 37 km, centered around NL 43-30-00; WL 78-00-00

Frequency Information

MOBILE: Lake Ontario, IAG, ENE@15-45nm, E for 90 nm over Lake Ontario, within 37 km, centered around NL 43-30-00; WL 78-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2290 MHz	MO	60M0G7W	1 W (ERP)	0.01 %
3100-3550 MHz	MO	60M0G7W	1 W (ERP)	0.01 %

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective January 25, 2021 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) 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.
- (5) Prior to commencing any operations in the 2000-2010 MHz and 2180-2190 MHz frequency bands, experimental licensee must notify licensee of GAMMA ACQUISITION L.L.C. (Call sign E060430, POC/Satellite: S2633. Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (6) Prior to commencing any operations in the 2010-2020 MHz and 2190-2200 MHz frequency bands, experimental licensee must notify licensee of New DBSD Satellite Services G.P., Debtor-in-Possession. (Call sign E070272, POC/Satellite: S2651. Name: Mr. Stephen M. DeWees, Phone Number: 703-964-1417, E-Mail: stephen.deweese@ico.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Samuel Steed at 801-671-7774.
- (8) Operation is subject to prior coordination in 2025-2110 MHz band with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (9) Airborne operation in the 3550-3600 MHz band is prohibited.
- (10) In accordance with US261, AERONAUTICAL RADIONAVIGATION service use of the band 4200-4400 MHz is restricted to Radio Altimeter. Experimental stations will not be authorized to develop equipment for operational use in this band other than equipment related to altimeter stations.
- (11) The operation in 2000-2290 MHz band is on non-interference basis to the operations of NASA BLOSSOM PT,MD; NASA APL,MD; NASA GSFC,MD; NASA GRC,OH; NASA Wallops Island,VA on the same or adjacent channel.