

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

EXPERIMENTAL
(Nature of Service)

XD MO
(Class of Station)

WO2XTH
(Call Sign)

0427-EX-CR-2026
(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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Plano, TX, within 25 km, centered around NL 33-04-04; WL 96-41-08
- (2) MOBILE: Princeton, TX, within 25 km, centered around NL 33-09-41; WL 96-25-32
- (3) MOBILE: Mossy Head, FL VPS Airport and Eglin MOA Area, within 50 km, centered around NL 30-39-42; WL 86-20-38

Frequency Information

MOBILE: Plano, TX, within 25 km, centered around NL 33-04-04; WL 96-41-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4-36 GHz	MO	1G20Q9N	500 kW (ERP)	0.01 %

MOBILE: Princeton, TX, within 25 km, centered around NL 33-09-41; WL 96-25-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4-36 GHz	MO	1G20Q9N	500 kW (ERP)	0.01 %

This authorization effective July 01, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Mossy Head, FL VPS Airport and Eglin MOA Area, within 50 km, centered around NL 30-39-42; WL 86-20-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.4-36 GHz	MO	1G20Q9N	500 kW (ERP)	0.01 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (5) In order to protect satellite-based passive sensing operations, L3Harris Technologies Inc. shall ensure that the average unwanted total radiated power (TRP) within the 36-37 GHz frequency band shall not exceed -30 dBW. All practical steps shall be taken to further reduce unwanted emissions in the 36-37 GHz band beyond this level to prevent harmful interference to passive sensors.
- (6) Operations are subject to coordination with NASA prior to activation around the Mossy Head, FL operating location to protect NASA's HIWRAP airborne radar.
- (7) The designated point-of-contacts to terminate transmissions if interference occurs are Michael Robinson at (318) 775-2872; and Jeffery Lyon at (972) 365-8594.
- (8) The authorized station must be in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules.