

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

EXPERIMENTAL
(Nature of Service)

XD MO
(Class of Station)

WQ2XNB
(Call Sign)

0548-EX-CN-2026
(File Number)

NAME Rockwell Collins, 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: Fort Wayne, IN, within 1 km, centered around NL 41-07-20; WL 85-09-26
- (2) MOBILE: Cedar Rapids, IA, within 1 km, centered around NL 42-00-47; WL 91-38-47
- (3) MOBILE: Iowa City, IA, within 185 km, centered around NL 41-38-24; WL 91-32-30
- (4) MOBILE: Edwards AFB, CA, within 185 km, centered around NL 34-54-20; WL 117-53-01

Frequency Information

MOBILE: Fort Wayne, IN, within 1 km, centered around NL 41-07-20; WL 85-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.25-27.5 GHz	MO	25M0G1W 25M0N0N	12.6 kW (ERP)	

MOBILE: Cedar Rapids, IA, within 1 km, centered around NL 42-00-47; WL 91-38-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.25-27.5 GHz	MO	25M0G1W	12.6 kW (ERP)	

This authorization effective June 29, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Cedar Rapids, IA, within 1 km, centered around NL 42-00-47; WL 91-38-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.25-27.5 GHz	MO	25M0N0N	12.6 kW (ERP)	

MOBILE: Iowa City, IA, within 185 km, centered around NL 41-38-24; WL 91-32-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.25-27.5 GHz	MO	25M0G1W 25M0N0N	12.6 kW (ERP)	

MOBILE: Edwards AFB, CA, within 185 km, centered around NL 34-54-20; WL 117-53-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.25-25.5 GHz	MO	25M0G1W 25M0N0N	12.6 kW (ERP)	
27-27.5 GHz	MO	25M0G1W 25M0N0N	12.6 kW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (3) Prior to commencing operations in the authorized frequency band(s), the experimental licensee must notify the potentially affected licensees below. 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 also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 24.75-25.25 GHz (E-s) (Call sign S2861)

Licensee: DIRECTV Enterprises, LLC/ Novavision Group, Inc.

Frequency Bands: 24.75-25.15 GHz (E-s) (Call sign S2869, S2797, S2930)

Licensee: DIRECTV Enterprises, LLC

ATTN: Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail:

nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email:

raquel.noriega@att.com

Frequency Bands: 25.5-27 GHz (s-E) (Call sign S2912, S3152)

Licensee: Planet Labs PBC Phone Number: 202-221-5402

ATTN: Mr. Danielle Pineres E-Mail: compliance@planet.com

Frequency Bands: 24.75-25.25 GHz (E-s) (Call sign S2992/S3069)

Frequency Bands: 25.5-27.0 GHz (space-to-Earth)) (Call sign S3216)

Licensee: Space Exploration Holdings, LLC, Phone Number: 202-649-2700

Frequency Bands: 25.5-27.0 GHz (space-to-Earth) (Call sign S3042)

Licensee: HawkEye 360, Inc. Phone Number: 571-203-0360

ATTN: Mr. Michael Mineiro E-Mail: michael.mineiro@he360.com

Frequency Bands: 25.5-27 GHz (s-E) (Call sign S3139)

Licensee: Orbital Sidekick, Inc. Phone Number: 707-641-4853

ATTN: Pete Friedhoff E-Mail: pete@orbitalsidekick.com

- (4) The designated point-of-contact to terminate transmissions if interference occurs is Paul Hamilton 260-740-8049.
- (5) Transmissions overlapping the 25.25-27.5 GHz band must be disabled when pointing within +/- 15.0 degrees elevation of the geostationary arc from 41w through 174w.
- (6) The emission center frequency must be chosen such that the unwanted total radiated power (TRP) does not exceed -39 dB in any 200 MHz of the 23.6-24 GHz band.