

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WF2XJG

(Call Sign)

0042-EX-CM-2020

(File Number)

NAME CommScope, Inc. of North Carolina

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) Richardson (COLLIN), TX - NL 32-59-09; WL 96-39-44
- (2) Joliet, IL - NL 41-30-00; WL 88-01-00

Frequency Information

Richardson (COLLIN), TX - NL 32-59-09; WL 96-39-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.4-174 MHz	FX	NON	29 mW (ERP)	0.001 %
216-222 MHz	FX	NON	29 mW (ERP)	0.001 %
400.15-450 MHz	FX	NON	29 mW (ERP)	0.001 %
460-470 MHz	FX	NON	29 mW (ERP)	0.001 %

This authorization effective April 15, 2020 and
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Richardson (COLLIN), TX - NL 32-59-09; WL 96-39-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	N0N	29 mW (ERP)	0.001 %
932-935 MHz	FX	N0N	29 mW (ERP)	0.001 %
941-944 MHz	FX	N0N	29 mW (ERP)	0.001 %
1710-1850 MHz	FX	N0N	29 mW (ERP)	0.001 %
1850-1995 MHz	FX	OM00N0N	100 W (ERP)	0.001 %
2025-2110 MHz	FX	N0N	29 mW (ERP)	0.001 %
2483.5-2500 MHz	FX	N0N	29 mW (ERP)	0.001 %
2655-2690 MHz	FX	N0N	29 mW (ERP)	0.001 %
3300-4200 MHz	FX	OM00N0N	100 W (ERP)	0.001 %
5250-5925 MHz	FX	OM00N0N	100 W (ERP)	

Frequency Information

Joliet, IL - NL 41-30-00; WL 88-01-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
173.4-174 MHz	FX	N0N	29 mW (ERP)	0.001 %
216-222 MHz	FX	N0N	29 mW (ERP)	0.001 %
400.15-450 MHz	FX	N0N	29 mW (ERP)	0.001 %
460-470 MHz	FX	N0N	29 mW (ERP)	0.001 %
902-928 MHz	FX	N0N	29 mW (ERP)	0.001 %
932-935 MHz	FX	N0N	29 mW (ERP)	0.001 %
941-944 MHz	FX	N0N	29 mW (ERP)	0.001 %
1710-1850 MHz	FX	N0N	29 mW (ERP)	0.001 %
1850-1995 MHz	FX	0M00N0N	100 W (ERP)	0.001 %
2025-2110 MHz	FX	N0N	29 mW (ERP)	0.001 %

Frequency Information

Joliet, IL - NL 41-30-00; WL 88-01-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2483.5-2500 MHz	FX	N0N	29 mW (ERP)	0.001 %
2655-2690 MHz	FX	N0N	29 mW (ERP)	0.001 %
3300-4200 MHz	FX	0M00N0N	100 W (ERP)	0.001 %
5250-5925 MHz	FX	0M00N0N	100 W (ERP)	0.001 %

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) Operation is subject to prior coordination 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.
- (7) Operations in the following frequency bands are prohibited:
406.00-406.10 MHz,
412.925-412.950 MHz,
413.100-413.125 MHz,
413.5875-413.6125 MHz,
414.9875-415.0125 MHz.
- (8) Operation is subject to notification of Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area.

Special Conditions:

- (9) Licensee must maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band.
- (10) Licensee must consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas prior to operation in this band.
- (11) Licensee must coordinate with affected Fixed Microwave Service licensees prior to operation in 932-935 MHz, 941-944 MHz, 2483.5-2500 MHz and 3700-4200 MHz bands.
- (12) Prior to commencing any operations in the frequencies below, Licensee must obtain consent from the following within 25 miles of the contours of the testing area:
 - > AMTS Licensee (217-218 MHz/219-220 MHz)
 - > 218-219 MHz Service licensees
 - > 220-222 MHz Service licensees
 - > Location & Monitoring Service licensees (902-928 MHz)
 - > Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - > 1910-1915 MHz/1990-1995 MHz Bands licensee (Sprint)
- (13) Licensee shall prior coordinate with any licensees in the 3700-4200 MHz in the vicinity to avoid harmful interference to users in the band.