

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WL2XPP

(Call Sign)

0193-EX-CN-2021

(File Number)

NAME United States Cellular Corporation

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) Delavan (WALWORTH), WI - NL 42-37-53; WL 88-37-51; MOBILE: Delavan, WI, within 12 km radius of centerpoint coordinates, within 12 km, centered around NL 42-37-53; WL 88-37-51
- (2) Belvidere (BOONE), IL - NL 42-15-02; WL 88-51-38; MOBILE: Belvidere, IL, within 12 km radius of centerpoint coordinates, within 12 km, centered around NL 42-15-02; WL 88-51-38

Frequency Information

Delavan (WALWORTH), WI - NL 42-37-53; WL 88-37-51; MOBILE: Delavan, WI, within 12 km radius of centerpoint coordinates

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.8 GHz	MO	100MW9W	1 W (ERP)	0.1 %
3.7-3.8 GHz	FX	100MW9W	30.56 kW (ERP)	0.1 %

This authorization effective April 26, 2021 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Belvidere (BOONE), IL - NL 42-15-02; WL 88-51-38; MOBILE: Belvidere, IL, within 12 km radius of centerpoint coordinates, w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.8 GHz	MO		1 W (ERP)	0.1 %
3.7-3.8 GHz	FX		47.5 kW (ERP)	0.1 %

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) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) United States Cellular Corporation must coordinate with the incumbent Fixed Microwave licensee(s) to avoid interference in the 3700-3800 MHz band in each corresponding proposed venue prior to conducting the testing.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (7) With respect to operations in 3700-4200 MHz band, Licensee should be made aware that they must avoid causing interference to existing FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link:<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (8) Prior to commencing any operations in the 3700-3800 frequency band, experimental licensee must notify licensees of C-band earth stations. 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. Please notify the following licensees: Call Sign: E970152, E890102
Licensee: Associated Press ATTN: OLETA J. BROWN
Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org

Call Sign: E000480

Licensee: Fox Broadcasting Company ATTN: Paul F Beeman

Phone: 631-951-4923 Fax: 631-951-4925 Site contact: JOHN ANDERSON
815-987-3950

- (9) The stop buzzer: 1-800-510-6091 Option 1, then Option 5.