

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

EXPERIMENTAL

(Nature of Service)

WL2XGI

(Call Sign)

XT FX MO

(Class of Station)

0171-EX-CM-2021

(File Number)

NAME Cellco Partnership

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) Bridgeville (ALLEGHENY), PA - NL 40-21-06; WL 80-07-37; MOBILE: within 0.201 km radius of center point location, within 0.2 km, centered around NL 40-21-06; WL 80-07-37
- (2) Bridgeville (ALLEGHENY), PA - NL 40-21-08; WL 80-07-35; MOBILE: within 0.201 km radius of center point location, within 0.2 km, centered around NL 40-21-08; WL 80-07-35
- (3) Minneapolis (HENNEPIN), MN - NL 44-48-26; WL 93-22-29; MOBILE: within 0.201 km radius of center point location, within 0.2 km, centered around NL 44-48-26; WL 93-22-29
- (4) Minneapolis (HENNEPIN), MN - NL 44-48-24; WL 93-22-29; MOBILE: within 0.201 km radius of center point location, within 0.2 km, centered around NL 44-48-24; WL 93-22-29

Frequency Information

Bridgeville (ALLEGHENY), PA - NL 40-21-06; WL 80-07-37; MOBILE: within 0.201 km radius of center point location, within 0.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	FX	100MG7W	68400 W (ERP)	0.1 %

This authorization effective August 25, 2021 and
will expire 3:00 A.M. EST November 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Bridgeville (ALLEGHENY), PA - NL 40-21-06; WL 80-07-37; MOBILE: within 0.201 km radius of center point location, within 0.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	MO	100MG7W	200 mW (ERP)	0.1 %

Bridgeville (ALLEGHENY), PA - NL 40-21-08; WL 80-07-35; MOBILE: within 0.201 km radius of center point location, within 0.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	FX	100MG7W	68400 W (ERP)	0.1 %
3.7-3.9 GHz	MO	100MG7W	200 mW (ERP)	0.1 %

Minneapolis (HENNEPIN), MN - NL 44-48-26; WL 93-22-29; MOBILE: within 0.201 km radius of center point location, within 0.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	FX	100MG7W	68400 W (ERP)	0.1 %
3.7-3.9 GHz	MO	100MG7W	200 mW (ERP)	0.1 %

Minneapolis (HENNEPIN), MN - NL 44-48-24; WL 93-22-29; MOBILE: within 0.201 km radius of center point location, within 0.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	FX	100MG7W	68400 W (ERP)	0.1 %

Frequency Information

Minneapolis (HENNEPIN), MN - NL 44-48-24; WL 93-22-29; MOBILE: within 0.201 km radius of center point location, within 0

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-3.9 GHz	MO	100MG7W	200 mW (ERP)	0.1 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) Licensee shall be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (5) With respect to operations in the 3700-3900 MHz band, experimental licensee must avoid causing interference to the existing Fixed Service operators and 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>
- (6) For base or fixed station's frequencies that are separated from the center frequency of the Telemetry, Tracking, and Command (TT&C) earth station by less than 150% of the maximum emission bandwidth in use by the TT&C earth station: Prior to commencing any operations from any base or fixed station in the 3700-3900 MHz frequency band, experimental licensee must coordinate cochannel frequency usage with all incumbent TT&C earth stations within a 70 km radius. The licensee must ensure that the aggregated power from its operations meets an interference to noise ratio (I/N) of -6 dB to the TT&C earth station receiver.
- (7) To protect incumbent earth stations from blocking, the power flux density (PFD) of any emissions within the 3700-3900 MHz band must not exceed -16 dBW/m²/MHz as measured at the earth station antenna including the TT&C earth station antenna

Special Conditions:

- (8) Prior to commencing any operations in the 3700-3900 MHz frequency band, experimental licensee must notify licensees of 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:

Minneapolis, HENNEPIN, MN- NL 44-48-24; WL 93-22-29;
Minneapolis, HENNEPIN, MN- NL 44-48-26; WL 93-22-29;

Call Sign: E000026
Frequency bands: 3.7-4.2 GHz
Licensee: CSC
ATTN: Gerald Reed
Phone: 703-818-4683 Fax: 703-818-4723 E-Mail: greed6@csc.com
Site Contact: BRUCE ASLESEN 612-361-6670

Call Sign: E890488
Frequency bands: 3.7-4.2 GHz
Licensee: Minnesota Public Radio
ATTN: Mitzi T Gramling Esq
Phone: 651-290-1500 Fax: 651-290-1243 E-Mail: fccfiling@mpr.org

Call Sign: E970480
Frequency bands: 3.7-4.2 GHz
Licensee: Associated Press
ATTN: OLETA J BROWN
Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org

Bridgeville, ALLEGHENY, PA- NL 40-21-06; WL 80-07-37;
Bridgeville, ALLEGHENY, PA- NL 40-21-08; WL 80-07-35;

Call Sign: E070010
Frequency bands: 3.7-4.2 GHz
Licensee: Duquesne University
ATTN: Mr Chuck H Leavens
Phone: 412-396-5508 Fax: 412-396-5061 E-Mail: chuck@wduq.org
Site Contact: CHUCK LEAVENS 412 396-5508

Call Sign: E990269
Frequency bands: 3.7-4.2 GHz
Licensee: Associated Press
ATTN: Oleta J Brown
Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org
Site Contact: LEN SMITH 740-282-0911

Speci

- (9) Experimental licensee must successfully coordinate with Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the proposed frequency bands.