

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WJ2XRY

(Call Sign)

0447-EX-CR-2019

(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) New York (NEW YORK), NY - NL 40-45-27; WL 74-00-01; MOBILE: Operates within 0.5 km of the fixed station, within 0.5 km, centered around NL 40-45-27; WL 74-00-01
- (2) West Nyack (NEW YORK), NY - NL 41-05-44; WL 73-56-59; MOBILE: Operates within 0.5 km of the fixed station, within 0.5 km, centered around NL 41-05-44; WL 73-56-59
- (3) New York (NEW YORK), NY - NL 40-40-49; WL 73-58-28; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-40-49; WL 73-58-28
- (4) New York (NEW YORK), NY - NL 40-40-49; WL 73-58-28; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-40-49; WL 73-58-28
- (5) New York (NEW YORK), NY - NL 40-44-46; WL 73-59-52; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-44-46; WL 73-59-52
- (6) New York (NEW YORK), NY - NL 40-42-35; WL 74-00-43; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-42-35; WL 74-00-43
- (7) New York (NEW YORK), NY - NL 40-42-35; WL 74-00-43; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-42-35; WL 74-00-43
- (8) Brooklyn (NEW YORK), NY - NL 40-40-54; WL 73-57-58; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-40-54; WL 73-57-58
- (9) New York (NEW YORK), NY - NL 40-40-39; WL 73-58-21; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 40-40-39; WL 73-58-21
- (10) New York (NEW YORK), NY - NL 41-05-40; WL 73-58-51; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km, centered around NL 41-05-40; WL 73-58-51
- (11) Brooklyn (NEW YORK), NY - NL 40-40-54; WL 73-57-58; MOBILE: Within 1.5 km radius of centerpoint location, within 1.5 km, centered around NL 40-40-54; WL 73-57-58

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST September 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

New York (NEW YORK), NY - NL 40-45-27; WL 74-00-01; MOBILE: Operates within 0.5 km of the fixed station, within 0.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	1.2 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

West Nyack (NEW YORK), NY - NL 41-05-44; WL 73-56-59; MOBILE: Operates within 0.5 km of the fixed station, within 0.5 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	1.2 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-40-49; WL 73-58-28; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D	60.5 W (ERP)	0.0004 %

Frequency Information

New York (NEW YORK), NY - NL 40-40-49; WL 73-58-28; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-40-49; WL 73-58-28; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-44-46; WL 73-59-52; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %

Frequency Information

New York (NEW YORK), NY - NL 40-44-46; WL 73-59-52; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-42-35; WL 74-00-43; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-42-35; WL 74-00-43; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D	0.6 W (ERP)	0.0004 %

Frequency Information

New York (NEW YORK), NY - NL 40-42-35; WL 74-00-43; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	MO	50M0W7D	0.6 W (ERP)	0.0004 %

Brooklyn (NEW YORK), NY - NL 40-40-54; WL 73-57-58; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

New York (NEW YORK), NY - NL 40-40-39; WL 73-58-21; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

Frequency Information

New York (NEW YORK), NY - NL 41-05-40; WL 73-58-51; MOBILE: Operates within 1.5 km of the fixed station, within 1.5 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

Brooklyn (NEW YORK), NY - NL 40-40-54; WL 73-57-58; MOBILE: Within 1.5 km radius of centerpoint location, within 1.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3700 MHz	FX	20M0W7D 40M0W7D 50M0W7D	60.5 W (ERP)	0.0004 %
3650-3700 MHz	MO	20M0W7D 40M0W7D 50M0W7D	0.6 W (ERP)	0.0004 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) All of the experimental devices will be under the control of Cellco Partnership and they will be retrieved by Cellco Partnership upon completion of the operation.

Special Conditions:

- (5) Prior to the start of operations in the 3550 -3700 MHz band, Cellco Partnership, must notify by email all the earth stations within 15 km of CBRS small cell transmitters. This notice must include the name and contact information of the stop buzzer personnel in case of interference. The notification should also include the testing parameters and the day and times of each test. Consult MyIBFS database to identify all existing registered earth stations in band (3550-3700 MHz) and adjacent band (3700-4200 MHz).
- (6) Cellco Partnership is reminded that grant fathered earth stations are protected in within a separation distance of 150 km. The coordinates of these stations are available at: <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>
- (7) 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 3550-3700 MHz.
- (8) 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.
- (9) Prior to operating, Cellco Partnership, must notify licensees of earth stations operating in frequency band above 3600 MHz within 5 kilometers radius of each location from which experimental operations will occur. Cellco Partnership, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). 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 density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3600 MHz band.
- (10) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (11) Stop buzzer is Nicholas Bracco at (845) 274-6346.