

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH2XVO

(Call Sign)

0233-EX-CR-2017

(File Number)

NAME Services Development Company LLC

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(a, j & k) of the Commission's Rules

Station Locations

- (1) Aurora, IL - NL 41-35-17; WL 87-51-50
- (2) Secaucus, NJ - NL 40-47-07; WL 74-04-25
- (3) Secaucus, NJ - NL 40-46-30; WL 74-03-29
- (4) Chicago, IL - NL 41-54-22; WL 87-37-32
- (5) Anchorage (Kenai Peninsula), AK - NL 61-06-13; WL 149-40-18
- (6) Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX		1169 W (ERP)	0.00006 %
		2K96F1D		
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		

This authorization effective July 01, 2017 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	1169 W (ERP)	0.00006 %
10.15-11.175 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
14.35-14.99 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.35-14.99 MHz	FX	2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
20.01-21 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D	2937 W (ERP)	0.00006 %

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
23.35-24.89 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %

Frequency Information

Secaucus, NJ - NL 40-47-07; WL 74-04-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX		1169 W (ERP)	0.00006 %
		2K96F1D		
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
10.15-11.175 MHz	FX		2937 W (ERP)	0.00006 %
		2K96F1D		
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		

Frequency Information

Secaucus, NJ - NL 40-47-07; WL 74-04-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
14.35-14.99 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
20.01-21 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D	2937 W (ERP)	0.00006 %

Frequency Information

Secaucus, NJ - NL 40-47-07; WL 74-04-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	10K0F1D	2937 W (ERP)	0.00006 %
		10K0J2D		
		6K00G1D		
		9K00G1D		
		6K00G2D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
23.35-24.89 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		9K00G1D		
		9K00G2D		
		6K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		

Frequency Information

Secaucus, NJ - NL 40-47-07; WL 74-04-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
23.35-24.89 MHz	FX	5K00G2D 2K96G1D 2K96G1D	2937 W (ERP)	0.00006 %

Secaucus, NJ - NL 40-46-30; WL 74-03-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	1169 W (ERP)	0.00006 %
10.15-11.175 MHz	FX	2K96F1D 2K96J2D 5K00F1D	2937 W (ERP)	0.00006 %

Frequency Information

Secaucus, NJ - NL 40-46-30; WL 74-03-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	5K00J2D	2937 W (ERP)	0.00006 %
		10K0F1D		
		10K0J2D		
		6K00G1D		
		9K00G1D		
		6K00G2D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
14.35-14.99 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		9K00G1D		
		6K00G2D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		

Frequency Information

Secaucus, NJ - NL 40-46-30; WL 74-03-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.35-14.99 MHz	FX	5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
20.01-21 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
23.35-24.89 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D	2937 W (ERP)	0.00006 %

Frequency Information

Secaucus, NJ - NL 40-46-30; WL 74-03-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
23.35-24.89 MHz	FX	9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %

Chicago, IL - NL 41-54-22; WL 87-37-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 6K00K1D 6K00J2D 5K00G1D	1169 W (ERP)	0.00006 %

Frequency Information

Chicago, IL - NL 41-54-22; WL 87-37-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	5K00G2D 2K96G1D 2K96G2D 9K00F1D 9K00J2D	1169 W (ERP)	0.00006 %
10.15-11.175 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 6K00K1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D 9K00F1D 9K00J2D	2937 W (ERP)	0.00006 %
14.35-14.99 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D	2937 W (ERP)	0.00006 %

Frequency Information

Chicago, IL - NL 41-54-22; WL 87-37-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.35-14.99 MHz	FX	6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
20.01-21 MHz	FX	2K96F1D 2K96J2D 5K00F1D 5K00J2D 10K0F1D 10K0J2D 6K00G1D 9K00G1D 6K00G2D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D	2937 W (ERP)	0.00006 %

Frequency Information

Chicago, IL - NL 41-54-22; WL 87-37-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	2K96G2D	2937 W (ERP)	0.00006 %
23.35-24.89 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		9K00G1D		
		6K00G2D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		

Anchorage (Kenai Peninsula), AK - NL 61-06-13; WL 149-40-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	10K0F1D	1169 W (ERP)	0.00006 %
		10K0J2D		
		2K96F1D		
		2K96J2D		
		5K00F1D		

Frequency Information

Anchorage (Kenai Peninsula), AK - NL 61-06-13; WL 149-40-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX	5K00J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	1169 W (ERP)	0.00006 %
10.15-11.175 MHz	FX	10K0F1D 10K0J2D 2K96F1D 2K96J2D 5K00F1D 5K00J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D	2937 W (ERP)	0.00006 %

Frequency Information

Anchorage (Kenai Peninsula), AK - NL 61-06-13; WL 149-40-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
14.35-14.99 MHz	FX	10K0F1D 10K0J2D 2K96F1D 2K96J2D 5K00F1D 5K00J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
20.1-21 MHz	FX	10K0F1D 10K0J2D 2K96F1D 2K96J2D 5K00F1D 5K00J2D 6K00G1D 6K00G2D 9K00G1D	2937 W (ERP)	0.00006 %

Frequency Information

Anchorage (Kenai Peninsula), AK - NL 61-06-13; WL 149-40-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.1-21 MHz	FX	9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %
23.35-24.89 MHz	FX	10K0F1D 10K0J2D 2K96F1D 2K96J2D 5K00F1D 5K00J2D 6K00G1D 6K00G2D 9K00G1D 9K00G2D 10K0G1D 10K0G2D 9K00F1D 9K00J2D 6K00F1D 6K00J2D 5K00G1D 5K00G2D 2K96G1D	2937 W (ERP)	0.00006 %

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.765-7 MHz	FX		1169 W (ERP)	0.00006 %
		2K96F1D		
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
10.15-11.175 MHz	FX		2937 W (ERP)	0.00006 %
		2K96F1D		
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.15-11.175 MHz	FX	9K00J2D	2937 W (ERP)	0.00006 %
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
14.35-14.99 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
20.01-21 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.01-21 MHz	FX	10K0F1D	2937 W (ERP)	0.00006 %
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		
		5K00G2D		
		2K96G1D		
		2K96G2D		
23.35-24.89 MHz	FX	2K96F1D	2937 W (ERP)	0.00006 %
		2K96J2D		
		5K00F1D		
		5K00J2D		
		10K0F1D		
		10K0J2D		
		6K00G1D		
		6K00G2D		
		9K00G1D		
		9K00G2D		
		10K0G1D		
		10K0G2D		
		9K00F1D		
		9K00J2D		
		6K00F1D		
		6K00J2D		
		5K00G1D		

Frequency Information

Aurora, IL - NL 41-35-17; WL 87-51-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
23.35-24.89 MHz	FX	5K00G2D 2K96G1D 2K96G2D	2937 W (ERP)	0.00006 %

Special Conditions:

- (1) Licensee is required to file a PROGRESS REPORT every 12 months from the date of grant. This progress report shall be filed with Federal Communications Commission; Experimental Licensing Branch, MS 1300E1; 445 12 Street, S.W.; Washington, DC 20554.
- (2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.