

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WF2XXR

(Call Sign)

0478-EX-CR-2020

(File Number)

NAME Aspen Consulting Group

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) FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21
- (2) FT DIX (BURLINGTON), NJ - NL 40-01-10; WL 74-32-55
- (3) FT DIX (BURLINGTON), NJ - NL 40-02-26; WL 74-27-56
- (4) FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-27-16
- (5) ft dix (BURLINGTON), NJ - NL 40-00-49; WL 74-27-21
- (6) FT DIX (BURLINGTON), NJ - NL 39-59-03; WL 74-27-45
- (7) LAKEHURST (BURLINGTON), NJ - NL 40-02-09; WL 74-23-42
- (8) LAKEHURST (BURLINGTON), NJ - NL 40-01-07; WL 74-22-25
- (9) LAKEHURST (BURLINGTON), NJ - NL 40-01-02; WL 74-24-08
- (10) LAKEHURST (BURLINGTON), NJ - NL 40-01-54; WL 74-20-48
- (11) LAKEHURST (BURLINGTON), NJ - NL 40-01-38; WL 74-20-06

Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz | FX            | 300KG7W             | 2.5 W (ERP)      |                           |

This authorization effective September 01, 2020 and  
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-31-21

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-10; WL 74-32-55

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 946-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-02-26; WL 74-27-56

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

FT DIX (BURLINGTON), NJ - NL 40-01-50; WL 74-27-16

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

ft dix (BURLINGTON), NJ - NL 40-00-49; WL 74-27-21

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

FT DIX (BURLINGTON), NJ - NL 39-59-03; WL 74-27-45

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 MW (ERP)     |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 MW (ERP)     |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-02-09; WL 74-23-42

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 MW (ERP)     |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 MW (ERP)     |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |



## Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-07; WL 74-22-25

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-02; WL 74-24-08

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-54; WL 74-20-48

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

## Frequency Information

LAKEHURST (BURLINGTON), NJ - NL 40-01-38; WL 74-20-06

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 880-889.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 900-915 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 925-934.8 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 945-960 MHz       | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1780-1850 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1805-1880 MHz     | FX            | 300KG7W             | 2.5 W (ERP)      |                           |
| 1972.4-1977.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |
| 2162.4-2167.4 MHz | FX            | 5M00F9W             | 20 W (ERP)       |                           |

**Special Conditions:**

- (1) 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 925-934.8 MHz and 945-960 MHz bands.
- (5) Coordinate with the Fixed Microwave Service licensees prior to operation in 925-934.8 MHz and 945-960 MHz bands.
- (6) Prior to commencing any operations, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
  - > Cellular licensees (824-849 MHz/869-894 MHz)
  - > SMR licensees (896-901 MHz/935-940 MHz)
  - > B/ILT licensees (896-901 MHz/935-940 MHz)
  - > Narrowband PCS licensees (901-902/930-931/940-941 MHz)
  - > Location & Monitoring Service licensees (902-928 MHz)
  - > Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)