

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

EXPERIMENTAL

(Nature of Service)

WF2XVF

(Call Sign)

XT      FX MO

(Class of Station)

0218-EX-ML-2014

(File Number)

NAME Airvana LP

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(d f g i) of the Commission's Rules

Station Locations

(1) , US; MOBILE: Nationwide

Frequency Information

, US; MOBILE: Nationwide

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-716 MHz | MO            | 10M0D7D             | 200 mW (ERP)     |                           |
| 728-746 MHz | FX            | 10M0D7D             | 200 mW (ERP)     |                           |
| 746-757 MHz | MO            | 10M0D7D             | 200 mW (ERP)     |                           |
| 776-787 MHz | FX            | 10M0D7D             | 200 mW (ERP)     |                           |

This authorization effective December 12, 2014 and  
will expire 3:00 A.M. EST August 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

, US; MOBILE: Nationwide

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 806-824 MHz   | MO            | 1M25D7D                       | 200 mW (ERP)     |                           |
| 851-869 MHz   | FX            | 1M25D7D                       | 200 mW (ERP)     |                           |
| 1710-1755 MHz | MO            | 5M00D7D<br>10M0D7D            | 200 mW (ERP)     |                           |
| 1850-1910 MHz | MO            | 5M00D7D<br>10M0D7D            | 200 mW (ERP)     |                           |
| 1910-1915 MHz | MO            | 1M25D7D                       | 200 mW (ERP)     |                           |
| 1930-1990 MHz | FX            | 5M00D7D<br>10M0D7D            | 200 mW (ERP)     |                           |
| 1990-1995 MHz | FX            | 1M25D7D                       | 200 mW (ERP)     |                           |
| 2110-2180 MHz | FX            | 5M00D7D<br>10M0D7D            | 200 mW (ERP)     |                           |
| 2496-2690 MHz | MO            | 5M00D7D<br>10M0D7D<br>20M0D7D | 200 mW (ERP)     |                           |

## Frequency Information

, US; MOBILE: Nationwide

| Frequency     | Station Class | Emission Designator           | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------|------------------|---------------------------|
| 2496-2690 MHz | FX            | 5M00D7D<br>10M0D7D<br>20M0D7D | 200 mW (ERP)     |                           |

## Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (5) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (6) Licensee shall coordinate with the existing Fixed Microwave Services licensees in accordance with 47 CFR, Part 101.103(d).