

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

EXPERIMENTAL

(Nature of Service)

WH2XHP

(Call Sign)

XT MO

(Class of Station)

0170-EX-CM-2017

(File Number)

NAME Higher Ground 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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Palo Alto, CA area, within 250 km, centered around NL 37-26-09; WL 122-08-38
- (2) MOBILE: Denver, CO area, within 250 km, centered around NL 38-47-59; WL 106-00-00
- (3) MOBILE: Sierra Nevada Mts, CA area, within 250 km, centered around NL 37-53-59; WL 119-14-27
- (4) MOBILE: Las Vegas, NV area, within 16.09 km, centered around NL 36-07-37; WL 115-09-57
- (5) MOBILE: Washington, DC area, within 200 km, centered around NL 38-59-03; WL 77-04-00
- (6) MOBILE: Los Angeles, CA area, within 200 km, centered around NL 34-26-35; WL 117-30-00
- (7) MOBILE: Anchorage, AK area, within 200 km, centered around NL 61-13-12; WL 149-59-24
- (8) MOBILE: New York, NY area, within 75 km, centered around NL 40-44-54; WL 73-59-09
- (9) MOBILE: Atlanta, GA area, within 250 km, centered around NL 34-02-04; WL 82-10-00

This authorization effective October 19, 2017 and  
will expire 3:00 A.M. EST July 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Palo Alto, CA area, within 250 km, centered around NL 37-26-09; WL 122-08-38

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: Denver, CO area, within 250 km, centered around NL 38-47-59; WL 106-00-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: Sierra Nevada Mts, CA area, within 250 km, centered around NL 37-53-59; WL 119-14-27

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

## Frequency Information

MOBILE: Las Vegas, NV area, within 16.09 km, centered around NL 36-07-37; WL 115-09-57

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: Washington, DC area, within 200 km, centered around NL 38-59-03; WL 77-04-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: Los Angeles, CA area, within 200 km, centered around NL 34-26-35; WL 117-30-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

## Frequency Information

MOBILE: Anchorage, AK area, within 200 km, centered around NL 61-13-12; WL 149-59-24

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: New York, NY area, within 75 km, centered around NL 40-44-54; WL 73-59-09

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

MOBILE: Atlanta, GA area, within 250 km, centered around NL 34-02-04; WL 82-10-00

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 5925-6035 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |
| 6168-6183 MHz | MO            | 10M0G1D             | 11 W (ERP)       | 1.0E-6 %                  |

## 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (3) Higher Ground shall provide notice of its intent to operate SatPaq devices to nearby point-to-point operational fixed licensees, operational fixed applicants operating pursuant to pre-authorization construction, and temporary fixed licensees. Such notification will include a 24/7 point-of-contact with capability to control SatPaq operations.