

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

EXPERIMENTAL

(Nature of Service)

WL2XOJ

(Call Sign)

XT MO

(Class of Station)

0174-EX-CN-2021

(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: Mountain View, CA, within 48.3 km, centered around NL 37-24-55; WL 122-03-45
- (2) MOBILE: Centreville, VA, within 5 km, centered around NL 38-50-25; WL 77-25-44

Frequency Information

MOBILE: Mountain View, CA, within 48.3 km, centered around NL 37-24-55; WL 122-03-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	4M00G1D	153.11 W (ERP)	

MOBILE: Centreville, VA, within 5 km, centered around NL 38-50-25; WL 77-25-44

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This authorization effective June 09, 2021 and
will expire 3:00 A.M. EST May 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) For operation in Centreville, VA, radius of operation is limited to within 5 km of center point latitude and longitude coordinates in order to avoid harmful interference to federal earth stations.
- (5) POINT OF COMMUNICATION: Intelsat's GALAXY 3C (G3c) satellite @95 WL (S2381)
- (6) This authorization SUPERSEDES the previous issued authorization with the same call sign and file number to include the Centreville, VA location.
- (7) Licensee is authorized to conduct tests on ten units of temporary-fixed FSS 23 dBi Medium horn model SatPaq 2k and 4x4 patch array model SatPaq 2k antenna. The EIRP of 23 dBi Medium horn antenna must not exceed 24 dBW (153.11 W (ERP)). The EIRP of 4x4 patch array antenna must not exceed 21 dBW (76.74 W (ERP))