

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

EXPERIMENTAL

(Nature of Service)

WL2XBN

(Call Sign)

XT MO

(Class of Station)

0468-EX-CN-2020

(File Number)

NAME Blue Danube Systems, Inc.

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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Semi-stationary High Altitude airship, Hagerman, NM, within 40 km, centered around NL 33-07-04; WL 104-19-19
- (2) MOBILE: Semi-stationary High Altitude airship, within 150 km, centered around NL 33-07-04; WL 104-19-04

Frequency Information

MOBILE: Semi-stationary High Altitude airship, Hagerman, NM, within 40 km, centered around NL 33-07-04; WL 104-19-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1995 MHz	MO	5M00M9W	240 W (ERP)	
2110-2180 MHz	MO	5M00M9W	240 W (ERP)	

This authorization effective August 14, 2020 and
will expire 3:00 A.M. EST August 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Semi-stationary High Altitude airship, within 150 km, centered around NL 33-07-04; WL 104-19-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1995 MHz	MO	20M0M0W	14.5 kW (ERP)	
2110-2180 MHz	MO	20M0M0W	14.5 kW (ERP)	

Special Conditions:

- (1) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Prior to accessing to 2110-2180 MHz, licensee must successfully secure consents from the Advance Wireless Service licensees within 730 km from the proposed coordinates.
- (6) Licensee must submit the written agreements from all the AWS licensees within 730 km consenting to the use of the spectrum before a license can be issued.
- (7) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 200 miles of the contours of the testing area:
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - 1910-1915 MHz/1990-1995 MHz Bands licensee (Sprint)
- (8) The designated point of contact to terminate the system if interference occurs is David M. Poticny at 201-572-9288.
- (9) Schedule all operations with DoD-AFC WSMR at least 96-hour prior via email at USARMY.WSMR.IMCOM-CENTRAL.LIST.DODAFAC(AT)MAIL.MIL Please include dates/times of operations, specific frequencies, max flight level and electronic copy of FCC license as part of the request.
- (10) Operation is subject to coordination with the area frequency coordinator located at White Sands Missile Range (WSMR), New Mexico, prior to use in the state of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR plus the area of Utah and Colorado that lies South of 41 North and between 108 and 111 West.