

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

EXPERIMENTAL

(Nature of Service)

WH2XJK

(Call Sign)

XT FX MO

(Class of Station)

0011-EX-ML-2015

(File Number)

NAME Blue Danube Labs

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) Warren (SOMERSET), NJ - NL 40-39-10; WL 74-24-25
- (2) MOBILE: Warren, NJ, within 10 km, centered around NL 40-39-10; WL 74-24-25
- (3) Picatinny Arsenal (MORRIS), NJ - NL 40-55-50; WL 74-35-12
- (4) MOBILE: Picatinny Arsenal, NJ, within 10 km, centered around NL 40-55-50; WL 74-35-12
- (5) Picatinny Arsenal (MORRIS), NJ - NL 40-56-34; WL 74-32-53
- (6) MOBILE: Picatinny Arsenal, NJ, within 10 km, centered around NL 40-56-34; WL 74-32-53
- (7) Edinburg (SHENANDOAH), VA - NL 38-49-15; WL 78-33-55
- (8) MOBILE: Edinburg, VA, within 10 km, centered around NL 38-49-15; WL 78-33-55
- (9) Edinburg (SHENANDOAH), VA - NL 38-50-30; WL 78-34-04
- (10) MOBILE: Edinburg, VA, within 10 km, centered around NL 38-50-30; WL 78-34-04
- (11) Mountain View (SANTA CLARA), CA - NL 37-24-10; WL 122-03-09
- (12) MOBILE: Mountain, CA, within 5 km, centered around NL 37-24-10; WL 122-03-09

Frequency Information

Warren (SOMERSET), NJ - NL 40-39-10; WL 74-24-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	14.2 kW (ERP)	

This authorization effective March 03, 2015 and
will expire 3:00 A.M. EST December 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Warren (SOMERSET), NJ - NL 40-39-10; WL 74-24-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2155 MHz	FX	20M0F9W	14.2 kW (ERP)	

MOBILE: Warren, NJ, within 10 km, centered around NL 40-39-10; WL 74-24-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0F9W	250 mW (ERP)	
1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Picatinny Arsenal (MORRIS), NJ - NL 40-55-50; WL 74-35-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	14.2 kW (ERP)	
2110-2155 MHz	FX	20M0F9W	14.2 kW (ERP)	

MOBILE: Picatinny Arsenal, NJ, within 10 km, centered around NL 40-55-50; WL 74-35-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0F9W	250 mW (ERP)	

Frequency Information

MOBILE: Picatinny Arsenal, NJ, within 10 km, centered around NL 40-55-50; WL 74-35-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Picatinny Arsenal (MORRIS), NJ - NL 40-56-34; WL 74-32-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	14.2 kW (ERP)	
2110-2155 MHz	FX	20M0F9W	14.2 kW (ERP)	

MOBILE: Picatinny Arsenal, NJ, within 10 km, centered around NL 40-56-34; WL 74-32-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0F9W	250 mW (ERP)	
1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Edinburg (SHENANDOAH), VA - NL 38-49-15; WL 78-33-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	14.2 kW (ERP)	

Frequency Information

Edinburg (SHENANDOAH), VA - NL 38-49-15; WL 78-33-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2155 MHz	FX	20M0F9W	14.2 kW (ERP)	

MOBILE: Edinburg, VA, within 10 km, centered around NL 38-49-15; WL 78-33-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Edinburg (SHENANDOAH), VA - NL 38-50-30; WL 78-34-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	14.2 kW (ERP)	
2110-2155 MHz	FX	20M0F9W	14.2 kW (ERP)	

MOBILE: Edinburg, VA, within 10 km, centered around NL 38-50-30; WL 78-34-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0F9W	250 mW (ERP)	

Frequency Information

MOBILE: Edinburg, VA, within 10 km, centered around NL 38-50-30; WL 78-34-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Mountain View (SANTA CLARA), CA - NL 37-24-10; WL 122-03-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	20M0F9W	900 W (ERP)	
2110-2155 MHz	FX	20M0F9W	900 W (ERP)	

MOBILE: Mountain, CA, within 5 km, centered around NL 37-24-10; WL 122-03-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	20M0F9W 20M0F9W	250 mW (ERP)	
1850-1910 MHz	MO	20M0F9W	250 mW (ERP)	

Special Conditions:

- (1) Any operation in the 1850-1990 and 2130-2200 MHz band must be coordinated with the existing and future users to avoid interference. Emission types may vary under the experiment.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.

Special Conditions:

- (4) Licensee must be made aware that the bands, 1695-1710 MHz, 1755 MHz-1780 MHz and 2155-2180 MHz, are in the AWS 3 band to be licensed in the Commission's current auction proceedings. This license authorization can potentially be impacted as a result of the proceedings and licensee is advised to use another band for long term operation.
- (5) Blue Danube Labs must get consent of ALL PCS licensees within 25 miles of the locations of the test.
- (6) Licensee must get consents from the Advanced Wireless Service licensees prior to accessing to 1710-1755MHz and 2110-2155MHz.
- (7) Licensee must coordinate with the affected incumbent Fixed Microwave Service licensees prior to operation in 1930-1990MHz.
- (8) Stop Buzzer, David Poticny at 201-572-9288.