

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WM9XEO

(Call Sign)

XT FX MO

(Class of Station)

0030-EX-ST-2018

(File Number)

NAME Vulcan, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Development of community cellular networks for low resource regions.

Station Locations

- (1) Seattle, WA - NL 47-39-12; WL 122-18-21; MOBILE: University of Washington Computer Science Building, Seattle, WA, within 1 km, centered around NL 47-39-12; WL 122-18-21
- (2) Seattle, WA - NL 47-35-52; WL 122-19-43; MOBILE: Seattle, WA, within 1 km, centered around NL 47-35-52; WL 122-19-43
- (3) Ellensburg, WA - NL 47-04-45; WL 120-29-16; MOBILE: Remote Wildlife Conservation sensor location, Ellensburg, WA, within 1 km, centered around NL 47-04-45; WL 120-29-16
- (4) Tenino, WA - NL 46-50-06; WL 122-54-06; MOBILE: Remote Wildlife Conservation Sensor Location, Tenino, WA, within 1 km, centered around NL 46-50-06; WL 122-54-06
- (5) Monroe, WA - NL 47-47-55; WL 122-00-48; MOBILE: Remote Wildlife Conservation Sensor Location, Monroe, WA, within 1 km, centered around NL 47-47-55; WL 122-00-48

This authorization effective February 01, 2018 and
will expire 3:00 A.M. EST August 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Seattle, WA - NL 47-39-12; WL 122-18-21; MOBILE: University of Washington Computer Science Building, Seattle, WA, withir

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905-915 MHz	MO	300KGXW 300KG7W	1 W (ERP)	2.0E-6 %
950-960 MHz	FX	300KGXW 300KG7W	100 mW (ERP)	2.0E-6 %

Seattle, WA - NL 47-35-52; WL 122-19-43; MOBILE: Seattle, WA, within 1 km, centered around NL 47-35-52; WL 122-19-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905-915 MHz	MO	300KG7W 300KGXW	2 W (ERP)	2.0E-6 %
950-960 MHz	FX	300KG7W 300KGXW	20 W (ERP)	2.0E-6 %

Ellensburg, WA - NL 47-04-45; WL 120-29-16; MOBILE: Remote Wildlife Conservation sensor location, Ellensburg, WA, withir

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905-915 MHz	MO	300KG7W 300KGXW	2 W (ERP)	2.0E-6 %
950-960 MHz	FX	300KG7W 300KGXW	20 W (ERP)	2.0E-6 %

Frequency Information

Tenino, WA - NL 46-50-06; WL 122-54-06; MOBILE: Remote Wildlife Conservation Sensor Location, Tenino, WA, within 1 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905-915 MHz	MO	300KG7W 300KGXW	2 W (ERP)	2.0E-6 %
950-960 MHz	FX	300KG7W 300KGXW	20 W (ERP)	2.0E-6 %

Monroe, WA - NL 47-47-55; WL 122-00-48; MOBILE: Remote Wildlife Conservation Sensor Location, Monroe, WA, within 1 km,

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
905-915 MHz	MO	300KG7W 300KGXW	2 W (ERP)	2.0E-6 %
950-960 MHz	FX	300KG7W 300KGXW	20 W (ERP)	2.0E-6 %

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 applicant must obtain consent of the Location & Monitoring Service licensees (902-928 MHz) within 50 miles of the test area prior to operation.
- (4) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation.