

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

EXPERIMENTAL

(Nature of Service)

XE MO

(Class of Station)

WI2XUA

(Call Sign)

0160-EX-CR-2019

(File Number)

NAME Sensus Spectrum 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(c & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Morrisville, NC: Indoor lab testing, within 0.01 km, centered around NL 35-52-02; WL 78-51-41

Frequency Information

MOBILE: Morrisville, NC: Indoor lab testing, within 0.01 km, centered around NL 35-52-02; WL 78-51-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
413.925-413.975 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
423.925-423.975 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
451-451.1 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
451.35-451.45 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

This authorization effective April 01, 2019 and
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



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452.6-452.7 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
461.55-461.65 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
462.45-462.55 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
463.7-463.8 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901-901.05 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.05-901.1 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.1-901.15 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.15-901.2 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.2-901.25 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.25-901.3 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

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901.3-901.35 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.4-901.45 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.45-901.5 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.5-901.55 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.55-901.6 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.65-901.7 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.7-901.75 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.75-901.8 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.8-901.85 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.85-901.9 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

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901.9-901.95 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
901.95-902 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
928.85-928.9 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
928.925-928.975 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930-930.15 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.3-930.35 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.35-930.4 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.4-930.45 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.45-930.5 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.5-930.55 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

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930.55-930.6 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.75-930.8 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
930.8-930.85 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
932.05-932.1 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
932.075-932.125 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
932.1-932.15 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
932.2-932.25 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940-940.05 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.05-940.1 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.1-940.15 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

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940.15-940.2 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.2-940.25 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.25-940.3 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.3-940.4 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.4-940.45 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.55-940.65 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.8-940.85 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
940.85-940.9 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
941.05-941.1 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
941.075-941.125 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

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941.1-941.15 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
941.2-941.25 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
959.85-959.9 MHz	MO	4K81FXD	1 W (ERP)	0.01 %
959.925-959.975 MHz	MO	4K81FXD	1 W (ERP)	0.01 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Licensee must notify all narrowband PCS licensees (901-902) MHz within 80 km of the test area prior to operation.