

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

EXPERIMENTAL

(Nature of Service)

WL9XPF

(Call Sign)

XT MO

(Class of Station)

0980-EX-ST-2017

(File Number)

NAME Republic Wireless, 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:

Field testing of wireless devices in Raleigh NC and Chicago IL

Station Locations

- (1) MOBILE: Raleigh, NC (within 160 km), within 160 km, centered around NL 35-47-15; WL 78-38-39
- (2) MOBILE: Chicago, IL (within 160 km), within 160 km, centered around NL 41-52-54; WL 87-37-23

Frequency Information

MOBILE: Raleigh, NC (within 160 km), within 160 km, centered around NL 35-47-15; WL 78-38-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %
824-849 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %

This authorization effective August 15, 2017 and
will expire 3:00 A.M. EST February 02, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Raleigh, NC (within 160 km), within 160 km, centered around NL 35-47-15; WL 78-38-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %
1850-1910 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %
2401-2473 MHz	MO	1M00F1D 20M0D1D 20M0G1D 22M0D1D 40M0D1D 40M0G1D	100 mW (ERP)	0.05 %
5735-5835 MHz	MO	10M0G1D 10M0D1D	100 mW (ERP)	0.05 %

MOBILE: Chicago, IL (within 160 km), within 160 km, centered around NL 41-52-54; WL 87-37-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %
824-849 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %
1710-1755 MHz	MO	10M0D1D	250 mW (ERP)	5.0E-6 %

Frequency Information

MOBILE: Chicago, IL (within 160 km), within 160 km, centered around NL 41-52-54; WL 87-37-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	10M0D1D 10M0D1D	250 mW (ERP)	5.0E-6 %
2401-2473 MHz	MO	1M00F1D 20M0D1D 20M0G1D 22M0D1D 40M0D1D 40M0G1D	100 mW (ERP)	0.05 %
5735-5835 MHz	MO	10M0G1D 10M0D1D	100 mW (ERP)	0.05 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Coordinate with the affected Fixed Microwave Service prior to operation in 2401-2473 MHz band.
- (5) Coordinate with the local SBE frequency coordinator prior to operation in 2401-2473 MHz band.
- (6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (7) Operation must be consented by the following licensees within 50 miles of the test area:
 - o All 700 MHz licensees (698-758 MHz; 775-788 MHz)
 - o All Cellular licensees (824-849 MHz/869-894 MHz)
 - o All Broadband PCS licensee (1850-1910 MHz/1930-1990 MHz)

Special Conditions:

- (8) All the experimental equipment and devices must be retrieved by Republic Wireless, Inc. from the participants upon completion of the testing.