

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WI2XFV

(Call Sign)

0044-EX-CR-2020

(File Number)

NAME Raytheon Company

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) of the Commission's Rules

Station Locations

- (1) MOBILE: Washington, DC, within 2 km, centered around NL 38-55-17; WL 77-04-01
- (2) MOBILE: Arlington, VA, within 2 km, centered around NL 38-53-41; WL 77-04-12
- (3) MOBILE: Washington, DC, within 2 km, centered around NL 38-49-30; WL 77-01-25
- (4) MOBILE: St. Louis Park, MN, within 20 km, centered around NL 44-58-08; WL 93-21-14
- (5) MOBILE: Plymouth, MN, within 2 km, centered around NL 44-59-45; WL 93-26-56
- (6) MOBILE: Chesapeake Beach, MD, within 3 km, centered around NL 38-39-28; WL 76-31-46
- (7) MOBILE: Tilghman Islands, MD, within 3 km, centered around NL 38-41-13; WL 76-20-35
- (8) MOBILE: Albany, OH, within 1 km, centered around NL 39-12-39; WL 82-13-29

Frequency Information

MOBILE: Washington, DC, within 2 km, centered around NL 38-55-17; WL 77-04-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Arlington, VA, within 2 km, centered around NL 38-53-41; WL 77-04-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

MOBILE: Washington, DC, within 2 km, centered around NL 38-49-30; WL 77-01-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

MOBILE: St. Louis Park, MN, within 20 km, centered around NL 44-58-08; WL 93-21-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

MOBILE: Plymouth, MN, within 2 km, centered around NL 44-59-45; WL 93-26-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

Frequency Information

MOBILE: Chesapeake Beach, MD, within 3 km, centered around NL 38-39-28; WL 76-31-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

MOBILE: Tilghman Islands, MD, within 3 km, centered around NL 38-41-13; WL 76-20-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

MOBILE: Albany, OH, within 1 km, centered around NL 39-12-39; WL 82-13-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
894-940 MHz	MO	30M0J0N 30M0J1N	5 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with CFR 47, Part 101.103(d) in 880-940 MHz band.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8650-15-C-7534. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Operation is subject to consent of the following within 50 miles of the test area:
 - a) Commercial Air-Ground licensee (894-896 MHz)
 - b) SMR licensees (896-901 MHz/935-940 MHz)
 - c) Location & Monitoring Service licensees (902-928 MHz).
- (7) Operation must be consented by all of Paging licensees in the bands 929 MHz and 931 MHz within 50 miles of the test area.