

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WI2XJB

(Call Sign)

0134-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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Indianapolis, IN, within 1 km, centered around NL 39-47-42; WL 86-03-31
- (2) MOBILE: Muncie, IN, within 1 km, centered around NL 40-12-16; WL 85-24-31
- (3) MOBILE: Shelbyville, IN, within 1 km, centered around NL 39-34-43; WL 85-48-47
- (4) MOBILE: Fort Wayne, IN, within 1 km, centered around NL 41-07-20; WL 85-09-22
- (5) MOBILE: Lafayette, IN, within 1 km, centered around NL 40-25-21; WL 86-55-13
- (6) MOBILE: Alexandria, IN, within 1 km, centered around NL 40-15-38; WL 85-40-25
- (7) MOBILE: Logansport, IN, within 1 km, centered around NL 40-44-18; WL 86-22-36
- (8) MOBILE: Butlerville, IN, within 1 km, centered around NL 39-03-02; WL 85-31-53
- (9) MOBILE: Columbus, OH, within 1 km, centered around NL 39-59-51; WL 83-01-13
- (10) MOBILE: Dayton, OH, within 1 km, centered around NL 39-46-59; WL 84-03-55
- (11) MOBILE: Crane, IN, within 1 km, centered around NL 38-52-07; WL 86-48-45

Frequency Information

MOBILE: Indianapolis, IN, within 1 km, centered around NL 39-47-42; WL 86-03-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Muncie, IN, within 1 km, centered around NL 40-12-16; WL 85-24-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Shelbyville, IN, within 1 km, centered around NL 39-34-43; WL 85-48-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Fort Wayne, IN, within 1 km, centered around NL 41-07-20; WL 85-09-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Lafayette, IN, within 1 km, centered around NL 40-25-21; WL 86-55-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D	12.6 MW (ERP)	

Frequency Information

MOBILE: Lafayette, IN, within 1 km, centered around NL 40-25-21; WL 86-55-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	100KN0N	12.6 MW (ERP)	

MOBILE: Alexandria, IN, within 1 km, centered around NL 40-15-38; WL 85-40-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: logansport, IN, within 1 km, centered around NL 40-44-18; WL 86-22-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Butlerville, IN, within 1 km, centered around NL 39-03-02; WL 85-31-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

Frequency Information

MOBILE: Columbus, OH, within 1 km, centered around NL 39-59-51; WL 83-01-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Dayton, OH, within 1 km, centered around NL 39-46-59; WL 84-03-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

MOBILE: Crane, IN, within 1 km, centered around NL 38-52-07; WL 86-48-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	100KN0N 16M0D7D 8M00D7D	12.6 MW (ERP)	

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.