

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

EXPERIMENTAL

(Nature of Service)

WI9XXZ

(Call Sign)

XT MO

(Class of Station)

1121-EX-ST-2015

(File Number)

NAME Raytheon IIS

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:

Testing Tropospheric scatter communications, and mobility near fixed sites to test various parameters affecting the communications.

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	12.6 MW (ERP)	

This authorization effective January 12, 2016 and
will expire 3:00 A.M. EST July 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



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	8M00D7D 100KN0N	12.6 MW (ERP)	

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)	

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	16M0D7D 8M00D7D 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	12.6 MW (ERP)	

Frequency Information

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	100KN0N	12.6 MW (ERP)	

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	16M0D7D 8M00D7D 100KN0N	12.6 MW (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.