

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

EXPERIMENTAL

(Nature of Service)

WJ9XBU

(Call Sign)

XT FX MO

(Class of Station)

1062-EX-ST-2015

(File Number)

NAME Rajant Corporation

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:

Rajant Corporation seeks to test its products at the 3650-3670 MHz band to provide multi-media broadband communications for the game officials.

Station Locations

- (1) Green Bay (BROWN), WI - NL 44-30-04; WL 88-03-43; MOBILE: Lambeau Field, within 0.2 km, centered around NL 44-30-04; WL 88-03-43
- (2) Kansas City (JACKSON), MO - NL 39-02-56; WL 94-29-02; MOBILE: Arrowhead Stadium, within 0.2 km, centered around NL 39-02-56; WL 94-29-02
- (3) Denver (DENVER), CO - NL 39-44-38; WL 105-01-12; MOBILE: Sports Authority Field at Mile High, within 0.2 km, centered around NL 39-44-38; WL 105-01-12
- (4) Orchard Park (ERIE), NY - NL 42-46-26; WL 78-47-13; MOBILE: Ralph Wilson Stadium, within 0.2 km, centered around NL 42-46-26; WL 78-47-13
- (5) New Orleans (ORLEANS), LA - NL 29-57-03; WL 90-04-52; MOBILE: Mercedes-Benz Superdome, within 0.2 km, centered around NL 29-57-03; WL 90-04-52
- (6) Houston (HARRIS), TX - NL 29-41-05; WL 95-24-39; MOBILE: NRG Stadium, within 0.2 km, centered around NL 29-41-05; WL 95-24-39
- (7) Atlanta (FULTON), GA - NL 33-45-27; WL 84-24-03; MOBILE: Georgia Dome, within 0.2 km, centered around NL 33-45-27; WL 84-24-03
- (8) Foxborough (NORFOLK), MA - NL 42-05-27; WL 71-15-52; MOBILE: Gillette Stadium, within 0.2 km, centered around NL 42-05-27; WL 71-15-52
- (9) Cleveland (CUYAHOGA), OH - NL 41-30-22; WL 81-41-58; MOBILE: First Energy Stadium, within 0.2 km, centered around NL 41-30-22; WL 81-41-58
- (10) Jacksonville (DUVAL), FL - NL 30-19-26; WL 81-38-15; MOBILE: EverBank Field, within 0.2 km, centered around NL 30-19-26; WL 81-38-15

This authorization effective October 28, 2015 and
will expire 3:00 A.M. EST April 30, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) Seattle (KING), WA - NL 47-35-43; WL 122-19-54; MOBILE: CenturyLink Field, within 0.2 km, centered around NL 47-35-43; WL 122-19-54
- (12) St. Louis, MO - NL 38-37-58; WL 90-11-19; MOBILE: Edward Jones Dome, within 0.2 km, centered around NL 38-37-58; WL 90-11-19
- (13) Cincinnati (HAMILTON), OH - NL 39-05-44; WL 84-30-58; MOBILE: Paul Brown Stadium, within 0.2 km, centered around NL 39-05-44; WL 84-30-58
- (14) Detroit (WAYNE), MI - NL 42-20-24; WL 83-02-44; MOBILE: Ford Field, within 0.2 km, centered around NL 42-20-24; WL 83-02-44
- (15) Minneapolis (HENNEPIN), MN - NL 44-58-34; WL 93-13-30; MOBILE: TFC Bank Stadium, within 0.2 km, centered around NL 44-58-34; WL 93-13-30
- (16) Glendale (MARICOPA), AZ - NL 33-31-39; WL 112-15-45; MOBILE: University of Phoenix Stadium, within 0.2 km, centered around NL 33-31-39; WL 112-15-45
- (17) Indianapolis (MARION), IN - NL 39-45-36; WL 86-09-50; MOBILE: Lucas Oil Stadium, within 0.2 km, centered around NL 39-45-36; WL 86-09-50
- (18) Chicago (COOK), IL - NL 41-51-45; WL 87-37-00; MOBILE: Soldier Field, within 0.2 km, centered around NL 41-51-45; WL 87-37-00

Frequency Information

Green Bay (BROWN), WI - NL 44-30-04; WL 88-03-43; MOBILE: Lambeau Field, within 0.2 km, centered around NL 44-30-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Kansas City (JACKSON), MO - NL 39-02-56; WL 94-29-02; MOBILE: Arrowhead Stadium, within 0.2 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D	800 mW (ERP)	0.0001 %

Frequency Information

Kansas City (JACKSON), MO - NL 39-02-56; WL 94-29-02; MOBILE: Arrowhead Stadium, within 0.2 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	MO	20M0G1D	800 mW (ERP)	0.0001 %

Denver (DENVER), CO - NL 39-44-38; WL 105-01-12; MOBILE: Sports Authority Field at Mile High, within 0.2 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Orchard Park (ERIE), NY - NL 42-46-26; WL 78-47-13; MOBILE: Ralph Wilson Stadium, within 0.2 km, centered around NL 4.

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Frequency Information

New Orleans (ORLEANS), LA - NL 29-57-03; WL 90-04-52; MOBILE: Mercedes-Benz Superdome, within 0.2 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Houston (HARRIS), TX - NL 29-41-05; WL 95-24-39; MOBILE: NRG Stadium, within 0.2 km, centered around NL 29-41-05; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Atlanta (FULTON), GA - NL 33-45-27; WL 84-24-03; MOBILE: Georgia Dome, within 0.2 km, centered around NL 33-45-27; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Frequency Information

Foxborough (NORFOLK), MA - NL 42-05-27; WL 71-15-52; MOBILE: Gillette Stadium, within 0.2 km, centered around NL 42-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Cleveland (CUYAHOGA), OH - NL 41-30-22; WL 81-41-58; MOBILE: First Energy Stadium, within 0.2 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Jacksonville (DUVAL), FL - NL 30-19-26; WL 81-38-15; MOBILE: EverBank Field, within 0.2 km, centered around NL 30-19-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Frequency Information

Seattle (KING), WA - NL 47-35-43; WL 122-19-54; MOBILE: CenturyLink Field, within 0.2 km, centered around NL 47-35-43; \

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

St. Louis, MO - NL 38-37-58; WL 90-11-19; MOBILE: Edward Jones Dome, within 0.2 km, centered around NL 38-37-58; WL 9

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Cincinnati (HAMILTON), OH - NL 39-05-44; WL 84-30-58; MOBILE: Paul Brown Stadium, within 0.2 km, centered around NL 3

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Frequency Information

Detroit (WAYNE), MI - NL 42-20-24; WL 83-02-44; MOBILE: Ford Field, within 0.2 km, centered around NL 42-20-24; WL 83-02-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Minneapolis (HENNEPIN), MN - NL 44-58-34; WL 93-13-30; MOBILE: TFC Bank Stadium, within 0.2 km, centered around NL 44-58-34; WL 93-13-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Glendale (MARICOPA), AZ - NL 33-31-39; WL 112-15-45; MOBILE: University of Phoenix Stadium, within 0.2 km, centered around NL 33-31-39; WL 112-15-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Frequency Information

Indianapolis (MARION), IN - NL 39-45-36; WL 86-09-50; MOBILE: Lucas Oil Stadium, within 0.2 km, centered around NL 39-4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

Chicago (COOK), IL - NL 41-51-45; WL 87-37-00; MOBILE: Soldier Field, within 0.2 km, centered around NL 41-51-45; WL 87

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3670 MHz	FX	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %
3650-3670 MHz	MO	20M0D1D 20M0G1D	800 mW (ERP)	0.0001 %

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) Maintain separation from the grandfathered earth stations as defined in Part 90 subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz.
- (4) Ensure that the proposed operations will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the proposed areas.
- (5) All the experimental equipment and devices must be retrieved by Rajant Corporation from the participants upon completion of the testing.