CAPRAD User Guide

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Introduction to the NRPC

The National Regional Planning Council (NRPC) is a collaborative network established to support public safety communications across the United States. The NRPC was started to support and coordinate the work of Regional Planning Committees (RPCs), particularly in the field of public safety communications. Its creation was driven by the need for better organization, efficiency, and interoperability in how public safety agencies use radio frequency spectrum, primarily in the 700 MHz and 800 MHz bands.

Mission and Functions

The NRPC's mission is to serve all public safety communications users through planning and management for their spectrum needs. Its key functions include:

- **Assisting Regional Planning Committees (RPCs)**: Providing support to improve spectrum efficiency and promote interoperability.

- **Education and Training**: Offering workshops and materials to help RPCs develop and operate their plans effectively.

- **Facilitating Collaboration**: Organizing forums for RPCs to share information, collaborate, and allocate resources.

- **Research and Information Sharing**: Conducting research and providing critical information to support RPC success.

- **Advocacy**: Engaging with elected and appointed officials to promote RPC representation on issues benefiting public safety interests.

  The NRPC also oversees the CAPRAD Oversight Committee, which manages the CAPRAD system—a tool for coordinating spectrum planning and allocation across regions.

Structure and Governance

The NRPC is a national community consisting of FCC-authorized Regional Planning Committees (RPCs), each affiliated with a state or U.S. territory. These RPCs are composed of local government representatives and public safety officials who collaborate on regional spectrum planning and management

Basic Process for RPCs selecting a new Chairperson, Vice Chair, Secretary and Treasurer.

Each RPC must follow the guidelines of their bylaws. The information provided here are general guidelines many regions follow. Not all regions assign a secretary and/or treasurer.

Committee Member Selection Process

1. **Nomination**: Members of the committee nominate candidates for the Chairperson or applicable position.

2. **Eligibility**: Nominees are typically required to be active members in good standing, often with experience in public safety communications.

3. **Voting**: An election is conducted among the committee members. Voting methods can include secret ballots or open votes, depending on the committee's established procedures.

4. **Term**: The elected Chairperson serves a term as defined by the committee's bylaws, commonly one or two years, with the possibility of re-election.

5. **Transition**: Upon election, the new Chairperson assumes responsibilities, which may include notifying relevant agencies, such as the FCC, about the leadership change.

CAPRAD

The **Computer Assisted Pre-Coordination Resource and Database (CAPRAD)** system is a centralized platform designed to streamline the coordination and application process for 700 MHz and 800 MHz public safety spectrum licensing. It facilitates collaboration among RPCs, frequency coordinators, and public safety agencies to ensure efficient spectrum management. This system holds all the tools and planning documentation required by the RPCs.

When a new member is added to a region regardless of the position and they need access to CAPRAD, the current Chairperson must email CAPRAD Support to request access. The email address is support@caprad.org. She will need a Name, Email address and what role the member will hold in CAPRAD. **DO NOT** have a new member go to CAPRAD to try to set up their own account. They will just create a public account without access to any of the Region's applications.

CAPRAD has two platforms www.capradap.org where the applications are submitted and reviewed. www.caprad.org where the RPCs keep all their documentation and tools for coordinating applications. We will review the application module first then the planning side.

CAPRAD Application Module

Accessing the CAPRAD Application Module

The CAPRAD Application Module home page is located at www.capradap.org.

If you are new to the Region and need access to CAPRAD to review applications submitted to your region, have the Chairperson email support@capradap.org or click CAPRAD Application support on the login page. for access. Do not register for an account from this page, that will only give you a public account where you can create applications.

Once you have your login credentials and enter the system it will open to the Home page (My Apps). This page allows you to see what applications are waiting for your region to review.

1. This area will tell you what role you are logged in as. If you have a public and RPC account, you will know which one you are logged into. For public accounts it will say Public 601 user. For RPC accounts it will list your role in the system.
2. Page manager, you will only have two tabs under this section. My Account and Tools. Applications are listed on the My Account page, shown in the image. The tools page has a list of tools available to RPC members. You can look applications up on the tools page if you don't see them on any of the application pages.
3. This bar changes depending on if you are on the My Account or Tools page. The one shown above is for My Account.
   a. My Apps - this is the page that appears when you first login. It lists your applications in New, Initial Review and Data Entry.
   b. My Reports- there are 3 reports you can run for applications.
   c. My history – this will list applications you have recently worked on.
   d. Account Management – this is where you can change your password.
4. If you are involved with multiple regions, you can change which regions applications you are looking at under this user section.
5. This will show the last three applications you worked on.
6. These are different pages where you can find applications based on the status they are in.

New Apps has three statuses displayed

1. New applications – When an application is submitted to the RPC
2. Data Entry – these are applications you as an RPC Member have entered into the system
3. Initial Review – After the RPC Chairperson opens a new application the status should be changed to Initial Review. While the application is in Initial Review the application is checked to see if all needed information has been provided. If more information is needed the application can be sent back to the application for completion, or be moved to In Progress

In Process has three statuses displayed

1. RPC Review In Progress – After theInitial Review is complete and the RPC deems the application ready to move forward the application is moved to In Progress. In Progress is where the RPC Members can do a full review of the application, attach documentation, do a check app..... From In Progress you can move the application to one of three statuses; Applicaton Info, Approved or Adjacent Region Review. Approved – applications in this status have been approved by the home RPC and the adjacent regions.
2. Withdrawn – Withdrawn is only available from approved. If an applicant decides not to move forward with the application it should be placed in Withdrawn.

Holding has two statuses displayed

1. Application Info – Application Info is used when you have reviewed the application and need more information from the applicant. After you have received the information requested you would put the application back into In Progress.
2. Return to Applicant – This status is used when the application is missing information or need major corrections. An email should be sent to the applicant with the needed information. Add that email to the notes of the application.

Adjacent Region Review has two statuses displayed

1. Review – Applications in this status are being reviewed by the adjacent regions.

2. Approval – Applications in this status have been approved by the adjacent regions.

| New Apps | In Process | Holding | Adjacent Region Review | Completed | Unassigned |

Quick Link: Submitted to Coordinator |

Completed has one status displayed

1. Submitted to Coordinator – This status is used when the application is approved and ready to be submitted to the selected Public Safety Coordinator.

| New Apps | In Process | Holding | Adjacent Region Review | Completed | Unassigned |

Quick Link: Unassigned

Unassigned is used for an application that may have come in without a region assigned. This shouldn't happen often since the application is assigned to a region before it is submitted.

Tools Page

Radio Frequency Engineering

Application Search

Quick Search

Application ID: [   ] [Search]

Full Search

Frequency Tools

Frequency Finder (AutoX™) (CAPRAD)

ULS Search

Help

Getting Started

Creating A Form 601

Navigating the Form 601

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Help Videos
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Review of FCC form 601 – 22 minutes

Conversion Tools

Coordinate Conversion

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HAAT

DHAAT

Short Spacing

Distance

Elevation

Distance & Bearing

Bounding Coordinates

GIS Tools

Find Coordinates for Address (external link)

Find Closest Town

Find Coordinates (Text Based)

Show Map Based on Coordinates

Terrain Path Profile

Low Power Contours

Service Contours

Borders/Zones

This page has several useful tools to use when reviewing an application.

CAPRAD Application Tools – If your region requires an RPC member to enter the applications into CAPRAD then you would go here to start the application. There are two options for creating an application.

1. Create Form 601 for 700/800 NPSPAC – this is used for new applications
2. Create application based on Call Sign for 700/800 NPSPAC- this is used if you want to modify an existing license/call sign.

Applications Search - is used to find an application based on the application id number. If you have the app id but can't remember what status it is in you would use this tool. If a preparer/applicant is requesting an update on an application and only provides the app id, you could look it up with this tool.

There is also a full search option – you can look an application up by entity name, app id, state, call sign. You can search for current or old applications.

Frequency Tools – has a link to the ULS, you can look up a call sign to verify information. You can also do a frequency search based on coordinates.

Help – There are several links to help you navigate the system as well as videos showing basic functions.

Conversion Tools – there are three conversion tools available

1. Coordinate Conversion – convert coordinates from NAD 27 to NAD 83 or vice versa.
2. Distance Conversion – convert feet and miles into meters and kilometers.
3. Power Conversion – converts power, field strength and voltage

Calculators – There are numerous calculators available

1. Max ERP – This tool is used more for UHF and VHF safe harbor.
2. HAAT – Height Above Average Terrain
3. DHAAT – Directional Height Above Average Terrain
4. Short Spacing – This is used for 800 MHz to reveal if an incumbent is too close to reuse the frequency.
5. Distance – Calculate the distance between two sites.
6. Elevation – You can find the elevation of a site by entering the coordinates.
7. Distance and Bearing – This will tell you the distance between two sites.
8. Bounding Coordinates – Radius and Center Point to Bounding Points.

GIS Tools – There are numerous map/coordinate-based tools available

1. Find coordinates for address
2. Find Closest Town – find the closest town to your coordinates
3. Find Coordinate – find center coordinates for a city
4. Show Map Based on Coordinates
5. Terrain Path Profile
6. Low Power Contours - not used in 700/800 MHZ
7. Service Contours
8. Borders and Zones – find out if you are in a Canadian/Mexican region or the quiet zone.

FCC Form 601

When you log into the system, it will open to the My Apps page. To open an application, click on the id number (blue hyperlink).

The application will open to FCC Form 601 Main page 1

Main page 1 has information about the Radio Service Code, license type and call sign

The radio service code are:

1. SY, SG or SL for 700 MHz
2. YE, GE for 800 MHz. You may also see YP or GP for older applications.

The purpose will be either New or Modification, there are other options, but they are not used often.

Lines 3a) and 3b) indicate if this is for an STA or permanent licensing.

Lines 4 and 5 are only used for amendments.

Line 6 will list a call sign if the application is for a modification.

Line 7 will be Yes for a modification and N/A for a new license request.

Line 8 should be Yes since you will have an RPC approval letter to attach.

Lines 9 and 10 will be Yes

Lines 11a) and 11b) are Yes if they are requesting a waiver.

Line 12 is Yes if they are grandfathering something on the license.

You can move through the application by using the links on the left-hand side.

Main Page 2

Main page 2 has all your administrative information.

Line 13 lists the entities FRN

Line 14 indicates what type of entity the applicant is.

Line 15 is usually No but can be Yes if the Legal Entity Name is changing.

Line 16 is not used for public safety

Line 17 Legal Entity Name of applicant

Line 18 is recommended to be a department not an individual.

Lines 19 – 26 are for the address of the entity.

Lines 30-40 are used for the contact person on the application. This is not always filled out.

Main Page 3

		TCAP21111111006650 - CITY OF WICHITA FIRE DEPARTMENT	🔍 Save

Regulatory Status

41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):
- ☐ Common Carrier
- ☐ Non-Common Carrier
- ☑ Private, Internal Communication
- ☐ Broadcast Services
- ☐ Band Manager

Type of Radio Service

42) This filing is for authorization to provide the following type(s) of radio service (enter all that apply):
- ☐ Fixed
- ☑ Mobile
- ☐ Radiolocation
- ☐ Satellite (sound)
- ☐ Broadcast Services

43) Interconnected Service?	○ Yes ◉ No

Alien Ownership Questions (If any answer is Yes, attach exhibit explaining circumstances.)

44) Is the applicant a foreign government or the representative of any foreign government?	○ Yes ◉ No
45) Is the applicant an alien or the representative of an alien?	○ Yes ○ No ◉ N/A
46) Is the applicant a corporation organized under the laws of any foreign government?	○ Yes ○ No ◉ N/A
47) Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?	○ Yes ○ No ◉ N/A
48a) Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?	○ Yes ○ No ◉ N/A

48b) If the answer to 47 or 48a is 'Y' select one of the choices below.

- The Applicant is Exempt from the provisions of Section 310(b).
  It is not necessary to file a petition for declaratory ruling if the Applicant includes in the attachment required by Item 47 or Item 48a a showing that the requested license(s) is exempt from the provisions of Section 310(b).
- The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized. If checked, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that there has been no change in the foreign ownership of the Applicant since the issuance of its ruling.
- The Applicant: (i) has received a declaratory ruling(s) approving its foreign ownership, but is not able to make the certification specified immediately above; or (ii) is an "affiliate" of a Licensee or Lessee/SubLessee that received a declaratory ruling(s) under Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a), and is relying on the affiliate's ruling for purposes of filing this application as permitted under the affiliate's ruling and Section 1.994 of the Rules, 47 C.F.R. § 1.994(b). If checked, and if the Applicant received its declaratory ruling(s) on or after August 9, 2013, include in the attachment required by Item 47 or Item 48a the citation(s) of the Applicant's declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of its ruling and with the Commission's Rules.
  If checked, and if the Applicant received its declaratory ruling(s) prior to August 9, 2013, include in the attachment required by Item 48a a copy of a petition for declaratory ruling filed contemporaneously with the Commission to extend the Applicant's existing ruling(s) to cover the same radio service(s) and geographic coverage area(s) involved in the application. Alternatively, the Applicant may request a new declaratory ruling pursuant to Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).
  If checked, and if the Applicant is relying on an affiliate's ruling for purposes of filing this application, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of the named affiliate's ruling and with the Commission's Rules. The Applicant must also include a certification of compliance signed by the named affiliate or other qualified entity as specified in Section 1.994(b) of the Rules, 47 C.F.R. § 1.994(b). See Main Form Instructions for Items 47 or 48a, as applicable.
- The Applicant has not received a declaratory ruling approving its foreign ownership and is requesting a declaratory ruling under Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a), in a petition filed contemporaneously with the Commission. If checked, include in the attachment required by Item 47 or 48a a copy of the petition for declaratory ruling filed contemporaneously with the Commission pursuant to Section 1.990(a) of the Commission's Rules, 47 C.F.R. § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).

○ Exempt
○ Wireless
○ Affiliate
○ Petition
◉ N/A

Basic Qualification Questions

49) Has the applicant or any party to this application or amendment had any FCC station authorization, license, or construction permit revoked or had any application for an initial, modification, or renewal of FCC station authorization, license, or construction permit denied by the Commission?	○ Yes ◉ No
50) Has the applicant or any party to this application, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court?	○ Yes ◉ No
51) Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	○ Yes ◉ No

Basic Qualification Questions

49) Has the applicant or any party to this application or amendment had any FCC station authorization, license, or construction permit revoked or had any application for an initial, modification, or renewal of FCC station authorization, license, or construction permit denied by the Commission?	○ Yes ◉ No
50) Has the applicant or any party to this application, or any party directly or indirectly controlling the applicant, ever been convicted of a felony by any state or federal court?	○ Yes ◉ No
51) Has any court finally adjudged the applicant or any party directly or indirectly controlling the applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	○ Yes ◉ No

For Renewal or Renewal/Modification Applicants

57) Operation/Performance Requirement Certification	
Select License Type	N/A ▼
57) [For a site-based license]: Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).	○ Yes ○ No ◉ N/A
58) Discontinuance of Service Certification [same for all] - Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.	○ Yes ○ No ◉ N/A

Note: If the response to either item 57 or item 58 is 'N', attach an exhibit that demonstrates that over the course of the license term, the Applicant provided and continues to provide service to the public, or operated and continues to operate the license to meet the Applicant's private business or public interest/public safety communications needs, during the entire license period and address, as applicable: 1) the level and quality of service provided by the applicant (e.g., the population served, the area served, the number of subscribers, the services offered); (2) the date service commenced, whether service was ever interrupted, and the duration of any interruption or outage; (3) the extent to which service is provided to rural areas; (4) the extent to which service is provided to qualifying tribal land as defined in 47 CFR § 1.2110(e)(3)(i); and (5) any other factors associated with the level of service to the public. The licensee may note in its exhibit: 1) any grant(s) of waiver or extension of a performance deadline or license renewal subject to meeting a performance requirement; or 2) if the final performance deadline and/or expiration date for the license accelerated because the licensee did not meet an interim performance requirement.

59) Regulatory Compliance Certification [same for all] Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.	○ Yes ○ No ◉ N/A

Note: If the response to item 59 is 'N', attach an exhibit explaining the circumstances and demonstrating why Applicant's license should be renewed.

General Certification Statements (Click To See)

Signature

60) Typed Or Printed Name of Party Authorized To Sign				
First Name: NICHOLAS	MI:	Last Name: WOODS	Suffix:	

61) Title: CAPTAIN

Signature ☑ Click this box if you are the individual above and you agree to the terms above.

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

Upon grant of this license application, the licensee may be subject to certain construction or coverage requirement. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENT ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).

Main Page 3 has regulatory information.

Line 41 will always be Private, Internal Communication

Line 42 will always be Mobile

Lines 43 – 51 will be No or N/A

Lines 56 – 57 are for the name and signature of the person at the entity that approved the application.

Schedule H

Schedule H has all the eligibility information

1. Rule Section – 700 MHz 90.523. 800 MHz 90.613-619
2. The FCC likes a brief description of what the radios are used for.
3. This is filled out by the Frequency Coordinator
4. Question 7 is answered by the Frequency Coordinator. 8 is only answered yes if the applicant is requesting slow growth.
5. If associated call signs need to be added, this is where they go.
6. This is not for public safety applicants.
7. The FCC requires at least one control point. This is where a copy of the license is kept for the agency.

Adjacent Region

When a location(s) on an application is within 113 km (70 m) from another region it must be sent to that region(s) for review. This page will pop up when you change the status of the application to Adjacent Region Review. When this page opens all your adjacent regions will be checked, uncheck any regions that do not need to review the application before clicking Add Adjacent Regions. Your application will not be sent to any region without clicking the Add Adjacent Regions button. If you forget to click the add Adjacent Regions when you change the status you can go back to the Adjacent Regions page to send them. This is the page where they approve or deny the application. If they deny the application, they will also include a note with their reasoning.

Application Region

The application region will list what region the application is in, if for some reason you receive an application that should be in another region you can change it to the correct region on this page.

Locations

The location page lists all locations and antennas.

Form 601 - Location View | **Status: New Application**

TCAP21111111006650 - CITY OF WICHITA FIRE DEPARTMENT

Form 601 - Location View

All Locations

	Action	Loc #	Loc Type	AOP	Radius (km)	Location	City	State	Elev AMSL (m)	Ht AGL w/o app (m)	Ht AGL w/ app (m)
	A	1	F			37-41-34.1 N 97-20-19.1 W	WICHITA	KS	396.0	65.5	67.3
	A	2	M	C		-- --		KS			

Add New Location

All Antennas

	Action	Loc #	Ant #	AAT (meters)	Ant Ht (meters)	Azimuth (deg)	BeamWidth	Polarization	Gain
	A	1	1	58.8	67.3				
	A	2	1						

Icon Legend		Form Field Legend		Legend	
	View		Required Form Field	FCC	Information From FCC License
	Edit		Optional Form Field	*	Modified License Info
auto	AutoX		Not Required Form Field	Pending	Information From Pending Database

You can click on the coordinates to see a google map view of the site.

Antennas

You can modify or add antennas information on this page.

Advantages of Table View Antennas

- Combines easy data entry and advanced SpectrumWatch data overlay and color-coding technology
- Data overlay: View both antennas on the application and the FCC license, when specified
- Reduce errors by selecting only existing location numbers from drop down lists
- Easier modifications: For an existing antenna from the license (row in light blue), change the action to "Mod" then change the appropriate fields. Changes will be marked in light green.
- Color-coding: See the legend below for all the color-coding descriptions>
- Filter frequencies by location and antenna for easier viewing

Filter Loc: [▼] Ant: [▼] [Filter]

All Antennas - Table View

Copy	19) Action	20) Loc #	21) Ant #	22) AAT (meters)	23) Ant Ht (meters)	24) Azimuth (deg)	25) BeamWidth	26) Polarization	27) Gain
	Add ▼	1 ▼	1	58.8	67.3				
	Add ▼	2 ▼	1						

Enter a value to create a number of rows: [1] [Add Row] [Reset]

Frequencies

You can modify or add frequencies on this page.

Advantages of Table View Frequencies

- Combines easy data entry and advanced SpectrumWatch data overlay and color-coding technology
- Data overlay: View both frequencies on the application and the FCC license, when specified
- Reduce errors by selecting only existing location and antenna numbers from drop down lists
- Easier modifications: For an existing freq from the license (row in light blue), change the action to "Mod" then change the appropriate fields. Changes will be marked in light green.
- Color-coding: See the legend below for all the color-coding descriptions
- No more duplicate frequency rows for multiple emissions. Click on the "# Emis" column to add/edit/delete emissions.
- Filter frequencies by location and antenna for easier viewing

Filter Loc: [▾] Ant: [▾] [Filter]

All Frequencies - Table View

Copy	Freq Action	Loc #	Ant #	Freq #	Frequency (MHz) New/Existing	Frequency (MHz) New (if Mod)	Stat Class	Units	Num Paging Rcv	Out Power (watts)	ERP (watts)	# Emis	Emissions
	Add ▾	1	1	1	770.75625		FB2	1		100.000	200.000	2	8K10F1D 8K10F1E
	Add ▾	1	1	2	771.75625		FB2	1		100.000	200.000	2	8K10F1D 8K10F1E
	Add ▾	2	1	1	770.75625		MO	1000		30.000	60.000	2	8K10F1D 8K10F1E
	Add ▾	2	1	2	771.75625		MO	1000		30.000	60.000	2	8K10F1D 8K10F1E
	Add ▾	2	1	3	800.75625		MO	1000		30.000	60.000	2	8K10F1D 8K10F1E
	Add ▾	2	1	4	801.75625		MO	1000		30.000	60.000	2	8K10F1D 8K10F1E

Enter a value to create a number of rows: [1] [Add Row] [Reset]

Emissions

You can modify or add emissions on this page

Advantages of Table View Emissions:

- Combines easy data entry and advanced SpectrumWatch data overlay and color-coding technology
- Data overlay: View both emissions on the application and the FCC license, when specified
- Reduce errors by selecting only existing location, antenna, & frequencies from drop down lists
- Easier modifications: For an existing emission from the license (row in light blue), change the action to "Mod" then enter the new emission code.
- Color-coding: See the legend below for all the color-coding descriptions
- Filter emissions by location, antenna, and frequency for easier viewing

Filter Loc: [▾] Ant: [▾] Freq: [▾] [Filter]

All Emissions - Table View (Page 1)

Copy	Emis Action	Loc #	Ant #	Freq (Action)	Class	Units	Power	ERP	New/Existing	New (if Mod)
	Add ▾	1 ▾	1 ▾	770.75625000 (A) ▾	FB2	1	100.000	200.000	8K10F1D	
	Add ▾	1 ▾	1 ▾	770.75625000 (A) ▾	FB2	1	100.000	200.000	8K10F1E	
	Add ▾	1 ▾	1 ▾	771.75625000 (A) ▾	FB2	1	100.000	200.000	8K10F1D	
	Add ▾	1 ▾	1 ▾	771.75625000 (A) ▾	FB2	1	100.000	200.000	8K10F1E	
	Add ▾	2 ▾	1 ▾	770.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1D	
	Add ▾	2 ▾	1 ▾	770.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1E	
	Add ▾	2 ▾	1 ▾	771.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1D	
	Add ▾	2 ▾	1 ▾	771.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1E	
	Add ▾	2 ▾	1 ▾	800.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1D	
	Add ▾	2 ▾	1 ▾	800.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1E	
	Add ▾	2 ▾	1 ▾	801.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1D	
	Add ▾	2 ▾	1 ▾	801.75625000 (A) ▾	MO	1000	30.000	60.000	8K10F1E	

Enter a value to create a number of rows: [1] [Add Row] [Reset]

Bulk Tasks

Bulk Add Frequency

This page allows you to add frequencies to numerous sites at one time.

Bulk Add Frequency allows you to add one frequency to one or more existing antennas.

Frequency to bulk add:

Frequency (MHz)	Stat Class	Units	Num Paging Rcv	Out Pwr (watts)	ERP (watts)

Filter: Loc: All ▾   Ant: All ▾

Bulk add frequency to the following antenna(s):

	Action	Loc#	Ant#	Existing Frequencies
☐	A	1	1	2 - 770.75625000, 771.7562500
☐	A	2	1	4 - 770.75625000, 771.75625000, 800.75625000, 801.7562500

[Bulk Add]

Bulk Emission Tasks

This page allows you to add emissions to multiple sites at one time.

New Emission: [   ] [Add New Emission] Clear All

Filter: Loc: [▾] Ant: [▾]

		Frequency Info					Emissions		
Loc	Ant	FREQ	SC	Units	PWR	ERP	☑ 8K10F1D	☑ 8K10F1E	☐ Select All
1	1	770.75625000	FB2	1	100.000	200.000	☑	☑	☐
1	1	771.75625000	FB2	1	100.000	200.000	☑	☑	☐
2	1	770.75625000	MO	1000	30.000	60.000	☑	☑	☐
2	1	771.75625000	MO	1000	30.000	60.000	☑	☑	☐
2	1	800.75625000	MO	1000	30.000	60.000	☑	☑	☐
2	1	801.75625000	MO	1000	30.000	60.000	☑	☑	☐

Technical Overview

Technical overview will give you a view of all of the technical infromation on the application.

Print

All Locations

	Action	Loc #	Loc Type	AOP	Radius (km)	Location	City	State	Elev AMSL (m)	Ht AGL w/o app (m)	Ht AGL w/ app (m)
🔧 ✏ auto	A	1	F			37-41-34.1 N 97-20-19.1 W	WICHITA	KS	396.0	65.5	67.3
🔧 ✏	A	2	M	C		-- --		KS			

Add New Location

All Antennas

	Action	Loc #	Ant #	AAT (meters)	Ant Ht (meters)	Azimuth (deg)	BeamWidth	Polarization	Gain
🔧 ✏	A	1	1	58.8	67.3				
🔧 ✏	A	2	1						

All Frequencies

	Freq Action	Loc #	Ant #	New/Existing	New (if Mod)	Stat Class	Units	Num Paging Rcv	Out Power (watts)	ERP (watts)
🔧 ✏ auto	A	1	1	770.75625 (G) 🔍		FB2	1		100.000	200.000
🔧 ✏ auto	A	1	1	771.75625 (G) 🔍		FB2	1		100.000	200.000
🔧 ✏ auto	A	2	1	770.75625 (G) 🔍		MO	1000		30.000	60.000
🔧 ✏ auto	A	2	1	771.75625 (G) 🔍		MO	1000		30.000	60.000
🔧 ✏ auto	A	2	1	800.75625 🔍		MO	1000		30.000	60.000
🔧 ✏ auto	A	2	1	801.75625 🔍		MO	1000		30.000	60.000

All Emissions

	Emission Action	Location	Antenna	Frequency	New/Existing	New (if Mod)
🔧 ✏		A	1	1	770.75625	8K10F1D	
🔧 ✏		A	1	1	770.75625	8K10F1E	
🔧 ✏		A	1	1	771.75625	8K10F1D	

AutoX
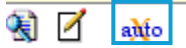
AutoX is CAPRADs frequency search used to see any co or adjacent channel incumbents on a specific frequency. To use this feature, click on the AutoX button on the frequency line you want to review. The search will run based on the coordinates and frequency(s) on the application. The search pulls in all call signs at the FCC and any applications in CAPRAD.

1. This is the frequency that is being analyzed.
2. These are the coordinates the search is based on.
3. This is the distance the search will look for users.
4. You can choose if you want to see 6.25 KHz,12.5 KHz, or 25 KHz adjacent channel users.
5. This box is used if you are doing a frequency search to find a frequency. Since most applications are required to have frequencies when submitted you will not use this often.

Once you have everything set on the above page, click Start Search to see the results.

1. This is the information the search was based on.
2. This is your co-channel incumbent information.
3. If there are adjacent channel incumbents, they would be listed here.
4. To export this information into a CSV for import to SpectrumE or other engineering system, click this button.

Pages the RPC Members will use the most

Attachments

On the attachments page you can see attachments that the applicant provided and add attachments.

To get to the attachment page you click on the paperclip icon. There are three on each page, one at the top left side of the title bar. There is one on the scrolling bar on the right side of the page and the last is under the tools box on the left side of the page.

If you want to view an attachment click on the File Name

If you need to add an attachment follow these steps;

1. Click Browse
2. Chose the document you want to attach
3. Check the Send to FCC box if it needs to go the FCC.
4. Click Send Attachment

Notes

You can add notes to any application. You get to the Notes page by clicking on the postit note icon located in the same place as the attachments icon.

Write your notes in the box then click Save Note.

Print Preview

A PDF copy of the application can be created under Print Preview. The print preview icon can be found at the top right of the title bar. The other two are on the scrolling bar on the right and the tools box on the left.

Print Preview

☑ Complete FCC License Info (Checking this will blend your form with the current FCC License. (Uncheck to see the Application Only.) Select the individual Form 601 Schedules that you wish to print:

☑ Spectrum Request - Work Order describing the work the user wants plus billing & contact information

☑ Frequency Pricing

☑ Main Form - FCC Application for WTB Radio Service Authorization

☑ Signature Page

☑ Schedule D - Wireless Telecommunications Bureau Schedule for Station Locations and Antenna Structures

☑ Schedule H - Technical Data Schedule for the Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services

☑ Notes

[Print Preview]

Select what pages you want to print or save then click Print Preview. This will open a PDF copy of the application.

Check App

Check App allows you to view errors that may be on the application.

Errors on main pages

Main Page		
	Box Number	**Error Description**
1	12	You must indicate whether there was a previous waiver granted
	8	Box 8 indicates there should be attachments. No attachments have been attached to this application.

Errors on Schedule D:

Location		
	Box Number	**Error Description**
2	23	Field is Required

Errors on Schedule H:

Row Number		
	Box Number	**Error Description**
	1	Rule Section cannot be left blank.
	2	Activity description cannot be left blank.
	5	Coordinator phone number must contain ten digits.
	6	Please provide a valid date.

Status

The Status page is what the RPC members will use most. This is where you change the status of an application.

Status Detail	
Current Status:	New Application
Status Date:	12/13/2021 9:12:06 AM
Updated By:	Bette Rinehart
Comments:	Application Sent to Coordinator
Update Status	
New Status:	☐ ⌄
Comments:	
	Update Status

Status History		
Status	**Status Date**	**Us**
New Application	12/13/2021 9:12:06 AM	Bette Rinehart

Click on the drop down menu in the middle of the page to select the status, then click on update status.

Application Legend

- 💾 Save Button
- 📝 Notes
- 🔍 Print Preview
- 📎 Attachments
- 📧
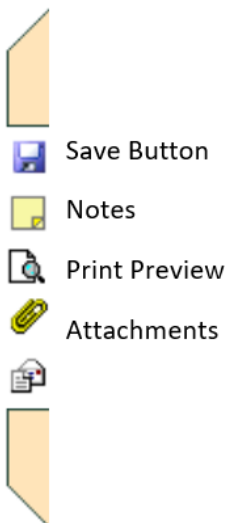
These legends are at the bottom of every page

Icon Legend		Form Field Legend		Legend	
🔃	View		Required Form Field	FCC	Information From FCC License
✏️	Edit		Optional Form Field	*	Modified License Info
auto	AutoX		Not Required Form Field	Pending	Information From Pending Database

Roles and Responsibilities

Data Entry – RPC Members change to this role when they are entering an application for an applicant/preparer.

RPC Chair – Region Chair has overall authority for Region Role Assignment and final approval of all applications.

RPC Reviewer – RPC Review assigned by the Chair to review, comment and attach documents on all applications under review by the region.

Tech Reviewer – Tech Review assigned by the Chair to review, comment and attach documents on all applications under review by the region.

RPC Member – Region Member assigned by the Chair to view all applications under review by the region comments would be sent to the Chair for action.

Adjacent Region Chair – Adjacent Region Chair has access to approve or deny and Adjacent Region application, add attachment and notes.

Adjacent Region Member – Adjacent Region Member can review applications in Adjacent Region status.

CAPRAD Planning Module

CAPRAD Planning has a lot of useful tools for RPCs to use when coordinating requests for 700/800 MHz NPSPAC applications. In addition, it is also a place for RPCs to keep important information. This document will go over some of the tools available to the RPCs and their members.

Public users do not need to login to access CAPRAD but are limited in what they can see. RPC users can log in with their credentials for CAPRAD application module to gain access to all tools and information available for their region(s). Once you login as an RPC user you will be directed to the main page.

There is a box on the right side labeled CAPRAD News, if there is anything going on with the system or upcoming meetings they will be noted in that box. On the left side of the page is a directory for each spectrum and additional information. If you click the drop-down arrow on any of the sections, more options will show up. We will go over each of those pages in this document.

800 MHz NPSPAC

☰ 800 Mhz	∨
⋯ 800 Mhz Home	
⋯ Planning Data	∨
⋯ Planning Information	∨
⋯ Resources	
⋯ Sites of Interest	∨

800 MHz Home page

800 MHz Home takes you to a page with a map of the US, here you will want to select your region to make sure you get the correct information. Once you select your region it will take you to a page that shows all the counties for that region. You can click on a county to see the frequencies assigned or there is a drop-down menu at the top of the page that allows you to choose a county.
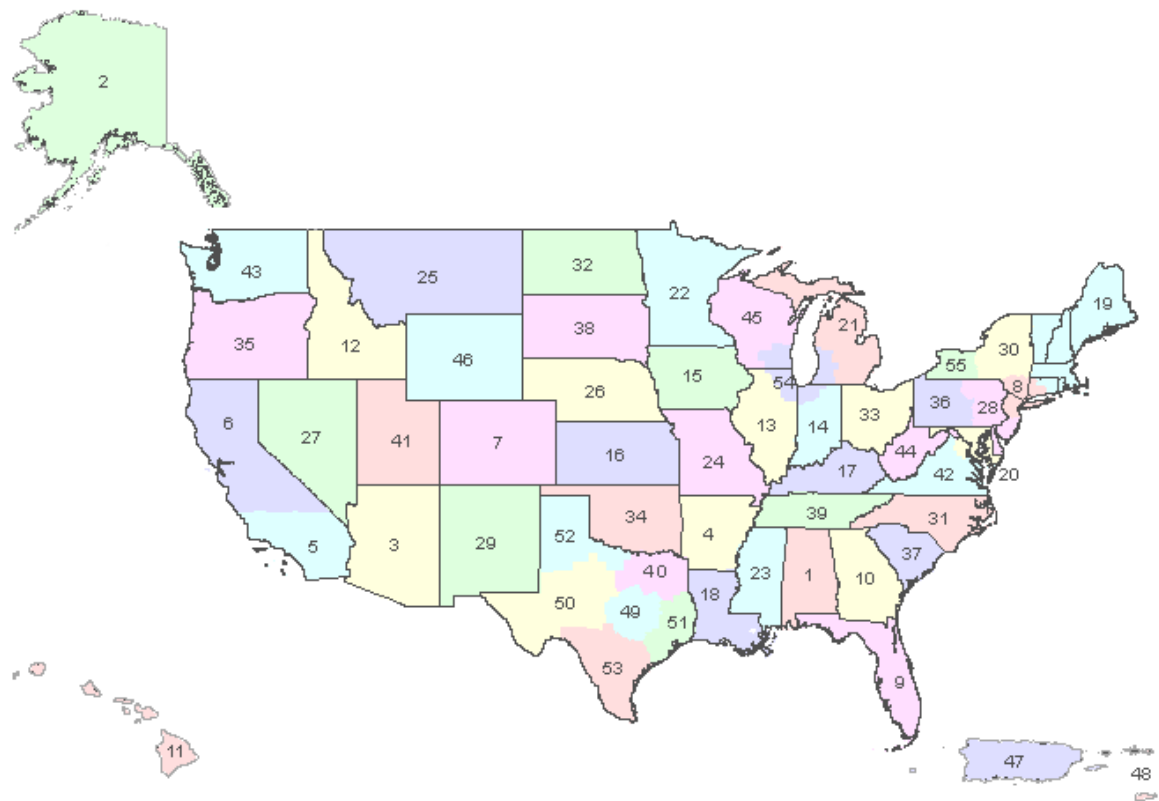
Planning Data has a drop-down menu of its own.

- ▶ Planning Data ⌄
  - ✎ Channel Assignments
  - ✎ Licenses
  - ✎ Fixed Locations
  - ✎ Admin. Info
- Planning Information ⌄
- Resources
- Sites of Interest ⌄

Channel Assignments

It is up to each Regions Committee to enter the information for 800 MHz assignments.

Region 24 - Missouri

Class	Band Width	FCC Channel Number	Base Frequency	Mobile Frequency	Notation	Comments	Callsigns
Regionwide Assignments							
		1	851.0125	806.0125	8CALL90	Nationwide I/O	WQEP898, WQEP899
		39	851.5125	806.5125	8TAC91	Nationwide I/O	WQPE898, WQEP899
		77	852.0125	807.0125	8TAC92	Nationwide I/O	WQEP898, WQEP899
		115	852.5125	807.5125	8TAC93	Nationwide I/O	WQEP898, WQEP899
		153	853.0125	808.0125	8TAC94	Nationwide I/O	WQEP898, WQEP899
Adair							
		79	852.0500	807.0500	Original allotment 1993	Group T	
		98	852.2875	807.2875	Original allotment 1993	Group T-Adair Co Ambulance MO3	WRXT974
		122	852.6125	807.6125	Original allotment 1993	Group T	
		136	852.7875	807.7875	Original allotment 1993	Group T	
		156	853.0625	808.0625	Original allotment 1993	Group T	
		158	853.0875	808.0875	Original allotment 1993	Group T	
		178	853.3375	808.3375	Original allotment 1993	Group T	
Andrew							
		31	851.4000	806.4000	Original allotment 1993	Group O-Andrew Co Ambulance MO3	WRVT841
		34	851.4375	806.4375	Original allotment 1993	Group O Coordinate use with Brown Co KS-Savannah Rural Fire Prot Dist MO3	WRWW622
		49	851.6500	806.6500	Original allotment 1993	Group O - Rosendale FPD MO3	WSGC271
Atchison							

Licensees

This page lists each county in a region and shows licenses for that county. If you click on the county name a list of call signs for that county will show. Each call sign is a link to a reference copy of the license.

Region 24 - Missouri

Search FCC Database

State	County	License Count
MO	*Regionwide Assignments	1
	Adair	1
	Andrew	6
	Atchison	1

Fixed Locations

Fixed locations has the center coordinates for each county listed. In addition, if you have state frequencies listed at a fixed location they are listed here.

Region 24 - Missouri

Search FCC Database

State	County	Site Name	Latitude NAD83	Longitude NAD83	Antennas	Call Signs
MO	Adair	County Center	40-12-00N	092-36-00W	0	
	Andrew	County Center	39-59-00N	094-48-00W	0	
	Atchison	County Center	40-26-00N	095-24-00W	0	
	Audrain	County Center	39-13-00N	091-52-00W	0	
	Barry	County Center	36-44-00N	093-44-00W	0	
	Barton	County Center	37-30-01N	094-21-00W	0	
	Bates	County Center	38-15-01N	094-21-00W	0	
	Benton	County Center	38-18-00N	093-18-00W	0	
	Bollinger	County Center	37-20-00N	090-02-00W	0	
	Boone	County Center	39-02-00N	092-20-00W	0	
		(no name)	38-56-23.1N	92-19-16.7W	1	KNNR259
		CNT	39-12-43.6N	92-7-45.2W	1	WQZB580
		GRS	38-58-0.0N	92-19-11.0W	1	WQZB580
		JCT	39-0-16.0N	92-18-30.6W	1	WQZB580
		MCC	38-57-48.0N	92-16-28.0W	1	WQNC847

Admin Info

This is where we list the chairperson and other information about the region. There is also a link to a list of members for that region.

Region 24 - Missouri

State Codes:	MO
Area Count:	115
Area Nomenclature:	County
Application Creation Authority:	Application Role or above
View RPC Members:	Members List

Regional Contact Information

Contact Name:	Scott Bigham
Address 1:	1503 Benton Dr
Address 2:	-
City:	Macon
State:	MO
Zip Code:	63552
Telephone:	660-415-0014
FAX:	-
eMail:	bighams@apcointl.org

Planning Information has a drop-down menu of its own.

- Planning Information ∨
  - ✏ Status
  - ✏ Comments
  - ✏ Spectrum Summary
  - ✏ Reports
  - ✏ Plan Documents
- Resources

Status: This page shows what status your regions plan is in. If it has been approved by the FCC it should show Approved. If you are in the process of modifying your plan you can send a request to your adjacent regions to review and approve the modifications. You will still need to email them with a copy of your plan amendment. Once the plan is accepted by the FCC it should be changed to approved.

Region 24 - Missouri

Current Plan Status: Approved [Change Status]	
Set on: 04/29/2019 04:41 PM (EST/EDT)	
[Notify Regions]	
Last document upload: 04/01/2021 Last allotment change: 05/11/2025	

Comments: You can enter comments about your region or the 800 MHz plan.

Add Comments

Remaining Text : 2000

Created (EST/EDT Time)	Updated (EST/EDT Time)	Organization	Reviewer	Comments
11/18/2008 12:00:00 AM	11/18/2008 12:00:00 AM		system	?
11/18/2008 12:00:00 AM	11/18/2008 12:00:00 AM		system	?

Spectrum Summary: This area has a list of pre, post and pre/post 800 MHz frequencies.

Region 24 - Missouri

800MHz Spectrum Summary

Spectrum	Channel Count
Pre Re-configuration Spectrum	830
Post Re-configuration Spectrum	230
Pre/Post Re-configuration Spectrum	230

Reports: There is a list of reports you can run on your region on this page.

Region 24 - Missouri

Report Name	View	Export
Antenna Sites	🖨	🗄
County Centers	🖨	
Assignments by FCC Channel	🖨	
Summary of Channel Assignments by Area	🖨	
Detailed Channel Assignments by Area	🖨	
Plan Comments	🖨	

Plan Documents: This is where any documents your region has entered into CAPRAD are listed. These documents are only visible to the public if they are marked that way by your chairperson. Your region can enter any documents into CAPRAD, like meeting minutes, plan amendments. Your most valuable tool in this section is the RPC Plan, this will tell you what is required for coordination and application submittal.

1. You can create a new directory/folder.
2. This is where you can upload new documents. For the public to see your plan documents they must be marked Yes for Visible to public.
3. You can edit or delete a document here.

Resources: The NRPC Bylaws are found on this page.

700 MHz

700 MHz Home takes you to a page with a map of the US, here you will want to select your region to make sure you get the correct information. Once you select your region it will take you to a page that shows all the counties for that region. You can click on a county to see the frequencies allotted or there is a drop-down menu at the top of the page that allows you to choose a county.

Planning Data has a drop-down menu of its own.

Channel Allotments: This is where you can find all the allotments per county for your region.

Region 24 - Missouri - Cass County
Population: 99,478 representing 1.661% of Region

Show by: 6.25KHz 12.5KHz 25.0KHz   Geocoordinates: 38-39-00N 094-22-00W   **Edit**

Class	Bandwidth	Channel	Base Frequency	Mobile Frequency	Notation	CallSign
General Use	Voice 12.5KHz	137-138	769.856250	799.856250		
General Use	Voice 12.5KHz	139-140	769.868750	799.868750		
General Use	Voice 12.5KHz	245-246	770.531250	800.531250		
General Use	Voice 12.5KHz	247-248	770.543750	800.543750		
General Use	Voice 12.5KHz	349-350	771.181250	801.181250	Cass County DVRS	

By clicking Edit on the top right, it will bring you to a page where you can edit, delete, and add frequencies for that county.

Region 24 - Missouri - Cass County
Population: 99,478 representing 1.661% of Region

Show by: 6.25KHz 12.5KHz 25.0KHz   Geocoordinates: 38-39-00N 094-22-00W   **Cancel**

	Class	Bandwidth	Available Frequencies	Channel	Base Frequency	Mobile Frequency	Locate	Notation	Call Sign
Edit Delete	General Use	Voice 12.5KHz	Show	137-138	769.856250	799.856250			
Edit Delete	General Use	Voice 12.5KHz	Show	139-140	769.868750	799.868750			

Click Edit on this page and you can edit the frequency. Then click update to save the change.

		Show by: 6.25KHz 12.5KHz 25.0KHz						Geocoordinates: 38-39-00N 094-22-00W			Cancel
	Class	Bandwidth	Available Frequencies	Channel	Base Frequency	Mobile Frequency	Locate	Notation		Call Sign	
Update Cancel	General Use	Voice 12.5KHz	Show	137-138	769.856250	799.856250					

Licenses: This is where state license information is held. If you click on the county name a list of call signs for that county will show. Each call sign is a link to a reference copy of the license

Region 24 - Missouri - Cass County

Search FCC Database

State	Call Sign	License Status	Auth Type	Radio Service Code	Locations	License Name
MO	WQVD258	Active	Regular	SG	Mobile	CASS COUNTY EMERGENCY SERVICES BOARD

Fixed Locations: Has the center coordinates for each county listed. In addition, if you have state frequencies listed at a fixed location they are listed here.

Region 24 - Missouri - Cass County

Search FCC Database

State	Site Name	Latitude NAD83	Longitude NAD83	Antennas	Call Signs
MO	County Center	38-39-00N	094-22-00W	0	

Admin. Info: This is where we list the chairperson and other information about the county. There is also a link to a list of members for that region.

Region 24 - Missouri - Cass County

Neighboring County

Region Population:	5,980,494	N of A, E of C:	
Area Population:	99,478	Canada 75:	-
Pct of Region:	1.7%	Canada 35:	-
Pct of State:	1.7%	Mexico:	-

Geometric Center Point		Adjusted Center Point	
Latitude:	38°39'00"N NAD83	Latitude:	38-39-00N NAD83
Longitude:	094°22'00"W NAD83	Longitude:	094-22-00W NAD83

Note: for most areas the center points won't have been adjusted.

Planning Information has a drop-down menu of its own.

- Status
- Comments
- Spectrum Summary
- Reports
- Plan Documents

Resources

Status: This page shows what status your regions plan is in. If it has been approved by the FCC it would show Approved. If you are in the process of modifying your plan you can send a request to your adjacent regions to review and approve the modifications. You will still need to email them a copy of your plan amendment.

Region 24 - Missouri

| Current Plan Status: | Approved | ⌄ | Change Status |

Set on: 02/07/2018 12:00 AM
(EST/EST)

Notify Regions

Last document upload: 08/08/2022
Last allotment change: 05/05/2025

Plan Activity History

Date Time (EST/EDT Time)	Person	Activity
8/8/2022 6:33:57 PM	Scott Bigham	Document replaced: Region 24-T700MHz-Missouri SIEC 700 MHz SIEC GUIDELINES Aug 2010.pdf
4/29/2021 2:41:45 PM	Scott Bigham	Document replaced: Region 24-T700MHz-TEST TEST.pdf

Comments: You can enter comments about your region or the 800 MHz plan.

Region 24 - Missouri
Plan Comments
Plan Status: Approved

Add Comments

Remaining Text : 2000

Created (EST/EDT Time)	Updated (EST/EDT Time)	Organization	Reviewer	Comments
10/13/2020 2:31:06 PM	10/13/2020 2:31:06 PM		Scott Bigham	Test test

Spectrum Summary: Here you will find a list of frequencies by category. Each category is color coordinated, if you click the word Show, it will bring up a page with all frequencies that fall in that category.

Region 24 - Missouri
700MHz Spectrum Overview

Complete Spectrum

Show All Channels

Channels by Class

	Class	BandWidth	Channel Pairs	Blocked Pairs	Allotted Pairs	Allotted Count
Show	General Use	6.25 KHz	616	0	412	600
Show	General Use	12.5 KHz	308	0	256	464
Show	General Use	25 KHz	154	0	154	1183

Reports: There is a list of reports you can run on your region on this page.

Region 24 - Missouri

Report Name	View	Export
Antenna Sites	🖨	🗄
County Centers	🖨	🗄
Allotments by FCC Channel (all)	🖨	🗄
By specific channel	🖨	
Summary of Channel Allotments by Area	🖨	🗄
Detailed Channel Allotments by Area	🖨	🗄
Channel Allotments by Class	🖨	🗄
Detailed Channel Allotments (all)	🖨	🗄
By specific channel	🖨	
Plan Comments	🖨	
RPC Member List	🖨	
Adjacent RPC Member List	🖨	
National Regional Plan Status	🖨	

Plan Documents: This is where any documents your region has entered into CAPRAD are listed. These documents are only visible to the public if they are marked that way by your chairperson. Your region can enter any documents into CAPRAD, like meeting minutes, plan amendments. Your most valuable tool in this section is the RPC Plan, this will tell you what is required for coordination and application submittal. If your last Chairperson did not put your plan documents in CAPRAD you can find them on www.NRPC.us. The original plans are held there, if modifications have been made you may need to go to the FCC to find the latest version.


| File Name	File Size (byte)	Description	Path	Visible To Public	Date Loaded	Loaded By	Action
Missouri SIEC 700 MHz SIEC GUIDELINES Aug 2010.pdf		Test for traininggtttt	\General	Yes	08/08/2022 06:33 PM	Scott Bigham	Edit Delete
Region 24 821 NPSPAC Plan Docket 87-112.pdf.pdf			\General	Yes	05/23/2019 02:15 PM	Scott Bigham	Edit Delete
Region 24 700 MHz Plan Amended 28 December 2007.pdf			\General	Yes	05/23/2019 02:14 PM	Scott Bigham	Edit Delete
Original_Region24_General_Use_Allotments.csv			\General	Yes	05/23/2019 02:14 PM	Scott Bigham	Edit Delete
Original_Region24_State_Channel_Allotments.csv			\General	Yes	05/23/2019 02:14 PM	Scott Bigham	Edit Delete
State of TN 700 MHz State License Site on Wheels Channel Usage.docx			\General	Yes	05/23/2019 02:14 PM	Scott Bigham	Edit Delete
FINAL WORD SIEC MOU Vs. 3 September 2005.pdf			\General	Yes	05/23/2019 02:13 PM	Scott Bigham	Edit Delete
Region 24 Wide Band Data channel allocation maps Nov 2006 Slide by Slide Show.pdf			\General	Yes	05/23/2019 02:13 PM	Scott Bigham	Edit Delete

4. You can create a new directory/folder.
5. This is where you can upload new documents.
6. You can edit or delete a document here.

Mapping:

The mapping page has several options that allow you to see where sites are located in your region.
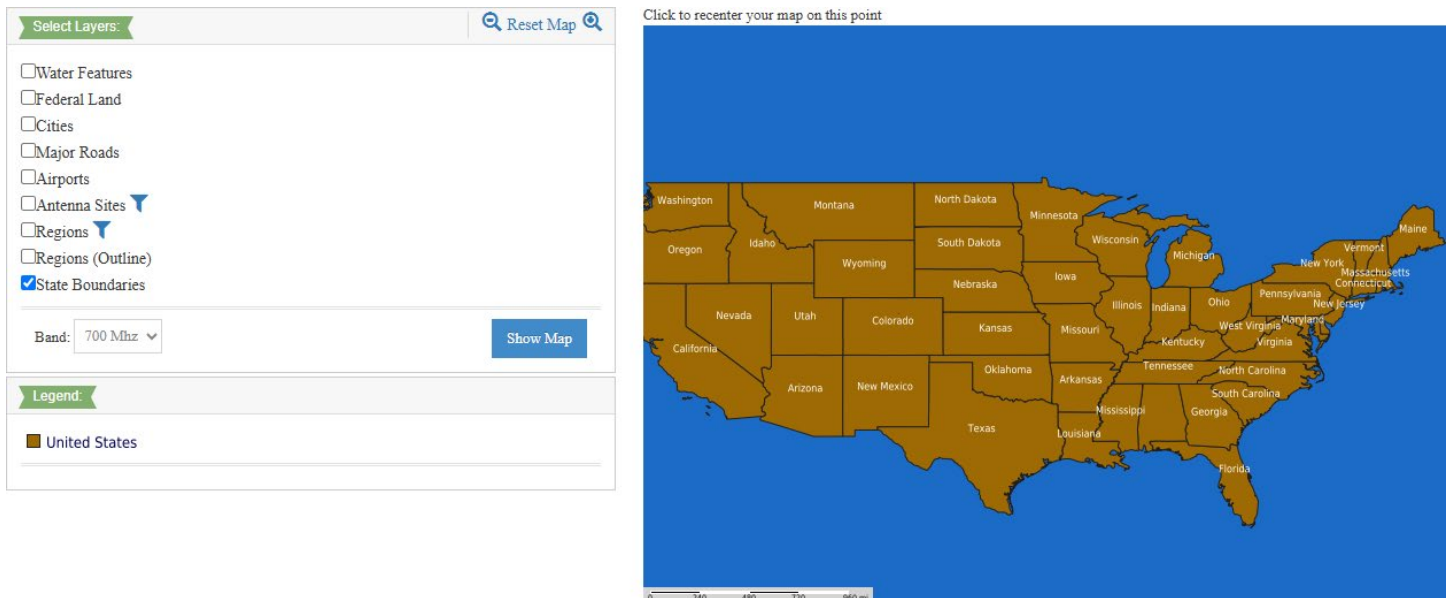
Map Layers:
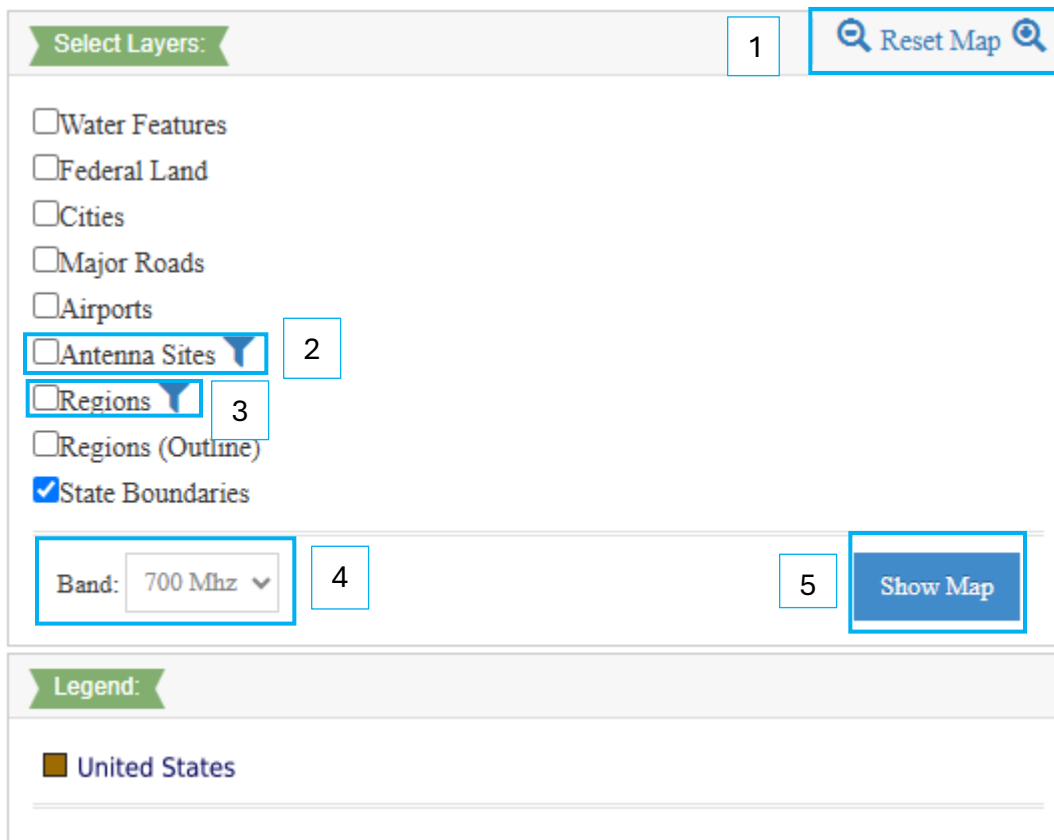
Most of these layer options are self-explanatory, if you want to see water ways, railroads…. Check the boxes next to the desired layer. The items that are highlighted and numbered above are the most used.

Reset Map: (1) At the top of the Map Layers box is the zoom ad map reset options. As you zoom in you will need to recenter the map. To do that you click on the area of the map that you want it to be centered on, as an example if you want to center on your state click close to the state name. As you zoom in you will need to recenter as you go.

Water Features: This layer adds rivers, lakes and other major water ways in your region.

Federal Land: This layer adds any know military bases, Indian reservations and other federal lands.

Cities: This layer adds city names to each state.

Major Roads: This layer adds highways, county and state roads.

Airports: This layer adds any municipal airports in the state.

Antenna Sites: (2) This layer is one of the most commonly used layer within the regions. This layer allows you to see any licensed sites on a frequency within your region. We will go over this function in more detail.

Regions: (3) This is another commonly used layer. This layer allows you to see what county a frequency is used within your region. We will go over this function in more detail.

Regions (Outline): This layer adds the region borders throughout the Country.

State Boundaries: This layer is automatically selected; it shows the state borders.

Band: (4) You can choose 700 or 800 MHz depending on what band you are looking at.

Show Map: (5) Once you have selected your layers click show map

Antenna Selection

To see where licensed sites on a specific frequency/channel in your region are licensed, select the antenna sites layer. You will need to check the box next to Antenna Sites, in addition you will also need to click on the blue antenna icon ☑Antenna Sites ▼ A box will pop up asking for the desired frequency. Enter the frequency and click ok, then click on Show Map. When the map populates it will show the entire country. You can center the map by clicking what area you are interested in and then use the zoom buttons to get a closer view.
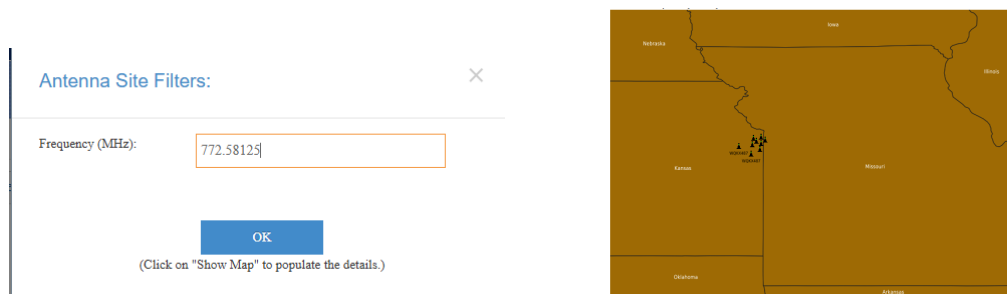
If there are any fixed sites licensed on the frequency, little black antennas will show up indicating where they are located.

To see where a frequency/channel is allotted within your region, select the Regions layer. You will need to check the box next to regions, in addition you will also need to click the blue antenna icon ☑Regions ▼ A box will pop up where you can choose from three options to get the information you need. Enter the information and click ok, then click Show Map
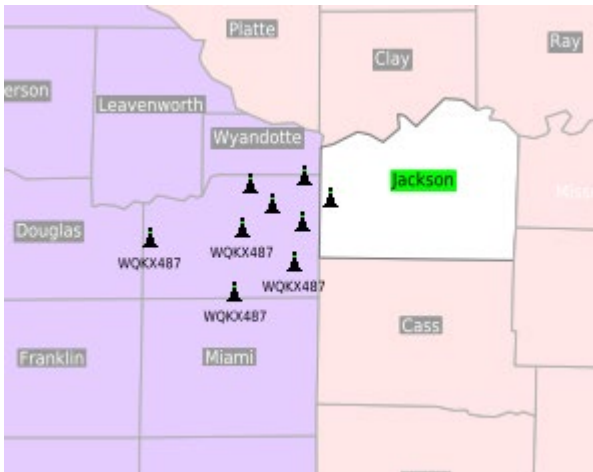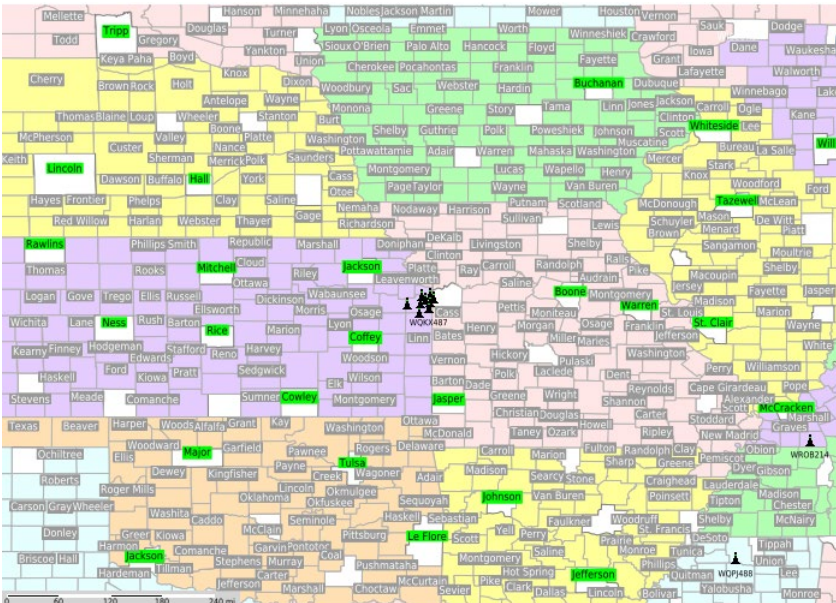
Any county that the frequency is allotted to will show as white. When you select the region's option the map coloring will change so each region is a different color to make it easier to tell if it is in your region when you zoom in. The image above shows purple for KS and pink for MO. Below is a map showing a larger section of the map. Each of the white counties is allotted the channel selected. You will also see that at the bottom of the map the frequency/channel you searched is listed.

Public Information: Under public information you can see FCC notices, documents for 700 MHz Regional Planning and a site map of the website.

Resource Links: Here you will find links to the 700/800 MHz RPC Directories, links to all of the public safety coordinators and links to a few other organizations.