

Regional Plan for the Public Safety 700 MHz Band in Region 43 (Washington)



As Adopted for Transmittal to the FCC on
October 30, 2015
www.region43.org

Revision History		
Revision Date	List of Changes	RPC Chair
1/26/2008	Original document as approved for release to the FCC	John "Wiz" Wiswell (City of Seattle)
10/30/2015	Plan updated to include release of narrowband 700 MHz spectrum release 2014. Significant changes to all sections.	Spencer Bahner (City of Seattle)

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Preamble

In order to help alleviate major wireless radio congestion, the Federal Communication Commission (FCC) has released 60 MHz of television broadcast spectrum – channels 60-69 (746-806 MHz) for use by land mobile radios. In addition to alleviating the congestion for wireless radio systems, the FCC also hoped to provide public safety access to new technologies that may require additional use of bandwidth, and promote interoperability. To accomplish these goals, the FCC allocated this spectrum as follows: 24 MHz for public safety, 30 MHz for commercial use, and 6 MHz for guard bands.

Within the 24 MHz of spectrum for public safety, the following is a breakdown of how that bandwidth can be used:

- 2.6 MHz allocated for interoperability
- 12.6 MHz allocated for general use
- 2.4 MHz state license
- 6.4 MHz reserved

The Regional Planning Committee (RPC) is tasked with the administration and management of the 12.6 MHz general use spectrum. Washington State has a State Interoperability Executive Committee who is tasked with the administration and management of the interoperability and state license spectrum.

Section 1 – Regional Planning Committee Leadership

At the time of transmittal of this Plan to the FCC, the following individuals serve in leadership roles in the Region 43 Regional Planning Committee (RPC):

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From time to time, as described in the RPC By-Laws, these positions will be subject to re-election. At any such time that one of these three positions changes hands, the Chair will be responsible for taking the following actions:

- Provide notice to the FCC of the changes if required
- Provide notice to the National Regional Planning Council (NRPC) of the changes
- Modifying the Region 43 web site (www.region43.org) to reflect the changes

Such changes will not be considered Plan modifications, and will not require that this document be reissued to the FCC for public notice and comment cycles.

Section 2 – Regional Planning Committee Membership

Appendix B of this Plan lists all meeting dates and locations and Appendix C lists the Voting Membership and Non-Voting attendees in the Region 43 RPC and the meetings they have participated in up to the point that this Plan was submitted to the FCC for approval. Individuals from agencies across the State of Washington representing approximately 75% of the State's population participated in originally developing Region 43's 700 MHz Plan. This revision to the Region 43 Plan invited participation from hundreds of individuals through use of the Washington State SIEC email list, as well as the membership of Region 43. Region 43's membership includes city, county, special purpose districts and state agencies; fire, police, EMS municipal transit and utilities. Appendix D of this Plan lists all individuals who subscribed to the Region 43 email social media account. Minutes of all meetings are posted on the Region 43 web site (www.region43.org).

Section 3 – Description of the Region

3.1 General Description

The State of Washington is a single planning region (Region 43) for both the 700 MHz and 800 MHz public safety bands. Region 43 is bordered by Canada on the North, the Pacific Ocean on the West, the State of Idaho (Region 12) to the East, and the State of Oregon (Region 35) to the South.

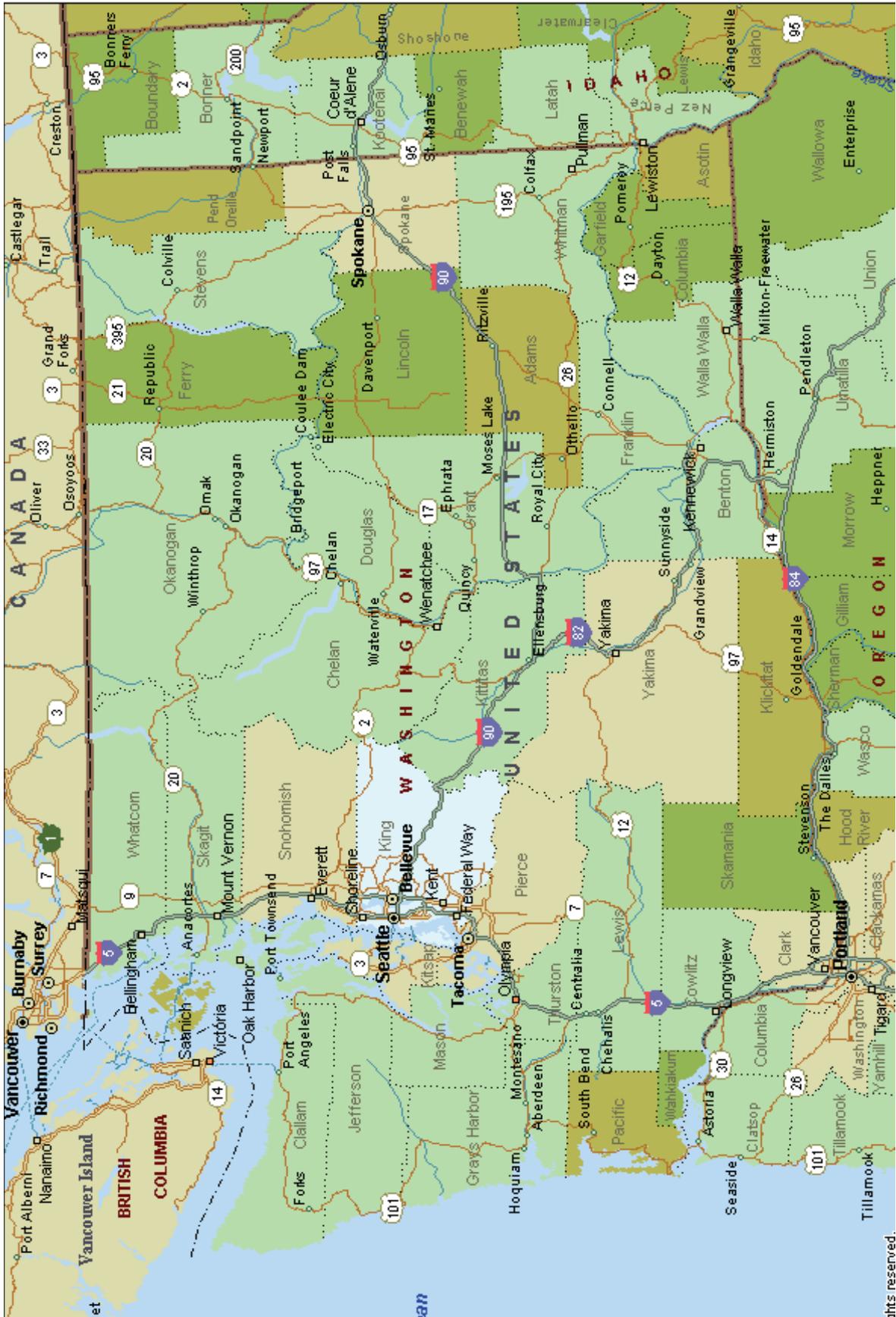
The Cascade Mountains divide the state into western and eastern halves that have uniquely different population distributions, economic conditions and climates. While much of the state is composed of

wilderness or rural areas, there are significant areas of urban and sub-urban development as well. Most of these are in the western portion of the state, and the most significant of these is in the Puget Sound basin, from Olympia (the state capitol) in the south to Everett in the north.

Seattle (King County) is the largest city in this region and along with the cities of Tacoma (Pierce County), Bellevue (King County) and Everett (Snohomish County) make up a metropolitan area that is the most significant economic engine in the state. Other key urbanized areas in the western portion of the state include the Bellingham (Whatcom County) area near the Canadian border and the Vancouver (Clark County) area, which is a part of the Portland metropolitan area.

The eastern portion of the state is significantly more rural and agricultural in character than the western side of the state. The largest urban area is anchored by the city of Spokane (Spokane County) and other semi-urban pockets exist in Yakima (Yakima County) and the "tri-cities" area of Richland, Pasco and Kennewick (Benton and Franklin Counties).

Washington has 75 port districts and has one of the largest locally controlled port systems in North America. With Port of Seattle and Port of Tacoma combined being the third largest container complex in North America, Washington handles 7 percent of the U.S. Exports and 6 percent of all imports.



There are 39 counties in the state with populations indicated in the table below:

	2002 Census	2014 Census	% of Total State 2014 Population
Washington Total	6059316	6968170	
King County	1777514	2017250	28.95%
Pierce County	721124	821300	11.79%
Snohomish County	629287	741000	10.63%
Spokane County	428755	484500	6.95%
Clark County	364855	442800	6.35%
Thurston County	214139	264000	3.79%
Kitsap County	236656	255900	3.67%
Yakima County	224790	248800	3.57%
Whatcom County	174238	207600	2.98%
Benton County	148290	186500	2.68%
Skagit County	105861	119500	1.71%
Cowlitz County	94854	103700	1.49%
Grant County	76942	92900	1.33%
Franklin County	52286	86600	1.24%
Island County	73151	80000	1.15%
Lewis County	70098	76300	1.09%
Chelan County	67400	74300	1.07%
Grays Harbor County	69229	73300	1.05%
Clallam County	65398	72500	1.04%
Mason County	50981	62000	0.89%
Walla Walla County	55242	60150	0.86%
Whitman County	40635	46500	0.67%
Stevens County	40611	43900	0.63%
Kittitas County	34507	42100	0.60%
Okanogan County	39992	41700	0.60%
Douglas County	32871	39700	0.57%
Jefferson County	27143	30700	0.44%
Asotin County	20652	21950	0.32%
Pacific County	20873	21100	0.30%
Klickitat County	19364	20850	0.30%
Adams County	16911	19400	0.28%
San Juan County	14664	16100	0.23%
Pend Oreille County	11998	13210	0.19%
Skamania County	10045	11370	0.16%
Lincoln County	10277	10700	0.15%
Ferry County	7378	7660	0.11%
Columbia County	4115	4080	0.06%
Wahkiakum County	3825	4010	0.06%
Garfield County	2397	2215	-2.3%

3.2 Existing Interoperability and Mutual Aid Systems

There are a significant number of established, non-700 MHz Interoperability systems and standards in place within Washington State. The listing below is relatively complete and provides users of this plan information about non-700 MHz Interoperability opportunities in the Region. Details regarding Interoperability in the 700 MHz band are included in Section 6 of this document. Additional detail for non 700 MHz band interoperability may be found in the Washington Statewide Communications Interoperability Plan (SCIP).

- **Law Enforcement Radio Network (LERN)** – 155.370 MHz is a common police radio frequency for statewide use by state and local law enforcement agencies during periods of local disaster, other emergencies, or operations requiring intra or inter agency coordination. LERN is administered by Washington State Association of Sheriffs and Police Chiefs (WASPC). For additional information see: waspc.org. LERN consists of two frequencies within the State of Washington. The frequency 155.370 MHz is designated as the primary LERN frequency and is operated in a simplex mode with a TX CTCSS of 100.0 Hz.
- **VLA31 Formerly National Law Enforcement Channel (NLEC)** – 155.475 MHz, is a national law enforcement frequency available for use in police emergency communications networks operated under statewide law enforcement emergency communication plans. The LERN plan serves as Washington states statewide law enforcement emergency communication plan. LERN consists of two frequencies within the State of Washington. The frequency 155.475 MHz is designated as the secondary LERN frequency. NLEC (155.475 MHz) has been licensed statewide by the Washington State Patrol as dictated by the LERN plan. For additional information contact the Washington State Patrol, Electronic Services Division.
- **On-Scene Command and Coordination Radio (OSCCR)** – 156.135 MHz, is managed by the state Emergency Management Division (EMD) through a mutual planning agreement with APCO and Washington State Department of Transportation (WSDOT). Authorization to use OSCCR must be requested through EMD. This is a mutual aid channel to be used by state and local public safety agencies at the scene of an incident using only mobiles and/or portables.
- **Comprehensive Emergency Management Network (CEMNET)** – CEMNET is a low-band VHF radio network that serves as back-up emergency communications between local EOCs and the State EOC. It also supports day-to-day requirements of the State Department of Ecology and other agencies as needed. The three primary channels that are monitored on a 24-hour basis at the State EOC are F1 – 45.20 MHz, F2 – 45.36 MHz, and F3 – 45.48 MHz.
- **FIRECOM / REDNET** – 153.830 MHz, is managed by the Washington State Fire Chiefs Association. Authorization to use FIRECOM/REDNET must be requested through the association. This is a mutual aid channel, which can be used by fire districts and departments for command, control, and coordination at the scene of an incident.

- **DNR Common** – 151.415 MHz is managed by the state Department of Natural Resources (DNR). Authorization to use DNR Common must be requested through the appropriate DNR Region or Division manager to the DNR Radio System Manager. State Parks & Recreation, state Department of Ecology, state Fish & Wildlife, and US Forest Service are primary users of the channel. Local jurisdiction authorization is usually only granted for use on an emergency basis primarily for mutual support between local fire districts and DNR.
- **Search and Rescue (SAR)** – 155.160 MHz, is managed by the state Emergency Management Division (EMD). Authorization to use SAR must be requested through EMD. This is a mutual aid channel to be used only when conducting search and rescue operations using only mobiles and portables.
- **NPSPAC 800 MHz Interoperability Channels** – There are 5 national allocated 800 MHz channels. For detail on the channel allocation please see the National interoperability Fields Operations Guide at <http://www.dhs.gov/national-interoperability-field-operations-guide>. In addition to the nationally adopted 8CALL and 8TAC channels in the NPSPAC band, Region 43 further identified a set of five (5) channels that could be used for on-scene tactical purposes in a simplex mode or on temporary low-power repeaters for significant events. The Region 43 800 MHz plan further identifies operational practices to be followed in using both the national channels and these regional channels. Full details can be found in the 800 MHz section of www.region43.org.
- **King County Mutual Aid Radio System (KC MARS)** – King County operates a network of simulcast VHF and UHF repeaters that are cross-patched to a Talkgroup on their countywide 800 MHz trunked radio system. This allows conventional VHF and UHF radio users to have interoperable communications with all law enforcement (and many fire) agencies that use the trunked system.
 - The VHF channel pair is 154.650 MHz for repeater input and 155.190 MHz for repeater output. CTCSS tone 100.00 Hz is used.
 - The UHF channel pair is 465.550 MHz for repeater input and 460.550 MHz for repeater output. CTCSS tone 103.5 Hz is used.
- **MEDCOM** - The UHF MEDCOM channels are in use across Washington State to support hospital to hospital, EMS medical control and aeromedical communications, in addition to itinerant EMS operations. Systems implemented in the 700 MHz band should include these unique requirements into their system designs, and where possible provide cross patching to locally implemented MED channels to meet these interoperability needs within their region.
- **Hospital Emergency Administrative Radio (HEAR)** – 155.340 and 155.280 MHz are common channels used by hospitals for communication with ambulance services for medical control. This channel can be used while at the scene or enroute to the emergency medical facility. Licensing for use of this channel is requested through the Federal Communications Commission (FCC).

- **The State Interoperability Executive Committee (SIEC)** was tasked with the responsibility to conduct an inventory and assessment of interoperability in the state. The following language is extracted from the enabling legislation, Substitute House Bill 1271. NEW SECTION. **Sec. 5.** A new section is added to chapter 43.105 RCW to read as follows:

(1) The state interoperability executive committee shall take inventory of and evaluate all state and local government-owned public safety communications systems, and prepare a statewide public safety communications plan. The plan must set forth recommendations for executive and legislative action to insure that public safety communication systems can communicate with one another and conform to federal law and regulations governing emergency communications systems and spectrum allocation. The plan must include specific goals for improving interoperability of public safety communications systems and identifiable benchmarks for achieving those goals.

(2) The committee shall present the inventory and plan required in subsection (1) of this section to the board and appropriate legislative committees as follows:

(a) By December 31, 2003, an inventory of state government-operated public safety communications systems;

(b) By July 31, 2004, an inventory of all public safety communications systems in the state;

(c) By March 31, 2004, an interim statewide public safety communications plan; and

(d) By December 31, 2004, a final statewide public safety communications plan.

(3) The committee shall consult regularly with the joint legislative audit and review committee and the legislative evaluation and accounting program committee while developing the inventory and plan under this section.

The SIEC operates a web site where information on the above referenced documents and other SIEC information is maintained. <https://ocio.wa.gov/>

3.3 Overview of Public Safety Entities in the Region

The following is a brief description of the most predominant entities in the Region that will need to be accommodated by this Plan in some fashion. FCC guidelines dictate eligibility of 700MHz spectrum within this plan.

3.3.1 Federal Agencies

The Region has the typical presence of federal public safety agencies with added presences by some agencies due to the significant number of international ports and our border with Canada. There is also a significant military presence in the Region with multiple large bases from all military branches. Due to the significant amount of State and Federal forest lands and national parks in the Region, there is also a significant amount of interaction between state and local fire agencies and the various federal agencies involved in fire suppression activities.

3.3.2 State Agencies

The Washington State Patrol, Washington State Department of Transportation and the Washington State Department of Natural Resources all play significant roles in providing public safety services. Additional State agencies have roles in providing public safety services to residents of the State of Washington. The Emergency Management Division of the Military Department is responsible for providing statewide coordination of resources during extreme emergency or disaster conditions.

3.3.3 County Agencies

County Sheriffs are directly elected public officials in all 39 counties, and are generally responsible for law enforcement in the unincorporated areas of the counties and in some incorporated cities under contracted services arrangements. Counties are also responsible for operating public health programs and some extend this into providing basic and advanced life support services directly to the public.

There are also the normal array of other governmental services offered by counties that contribute to the public safety, including the operation of public works and roads agencies, surface water management functions, water systems, sewage and sewage treatment systems, bus and transportation systems, etc.

3.3.4 City Agencies

The police department is the most common public safety service provided by incorporated cities. Many cities also operate a fire department and typically these fire departments offer basic life support (and occasionally advanced life support) EMS services. Some cities have not formed fire departments and instead receive fire protection from fire protection districts that often pre-date the formation of the city and have larger jurisdictional boundaries than the cities. Cities also often provide services such as roads and public works functions.

3.3.5 Special Purpose Districts

There are a considerable number of special purpose districts in Washington State. The most common of these are fire protection districts, school districts, transit districts, water districts and sewer districts, but there are also hospital districts, port districts, electric districts, library districts, weed districts, etc. These special districts often have jurisdictional boundaries that are quite large and often surround one or more incorporated cities. They are typically led by a 3 to

5 member board of commissioners who are directly elected by the public in the district and are established under the authority of the Washington State Legislature.

3.3.6 Tribal Lands

There are 29 federally recognized tribes in the State of Washington. Historically, all federally recognized tribes in the United States have been considered sovereign in their own lands, maintaining a government-to-government relationship with federal and state governments. Tribes residing on reservations are eligible to receive benefits and services from the Bureau of Indian Affairs (BIA) and the Indian Health service (IHS), such as assistance with the development of tribal governments and courts, resource management, educational grants and programs, housing programs and medical and dental care. Most tribes maintain an independent government with a constitution and bylaws. Tribal Councils establish laws, enforce tribal ordinances and may elect a business committee to manage real property and other assets. Many maintain a reservation police force and a tribal court including a chief judge and associate justices.

The Governor's Office of Indian Affairs (GOIA) was established in 1969 and serves as a liaison between state and tribal governments. Recognizing tribal sovereignty and the government-to-government relationship and principles identified in the Centennial Accord, the office works with the state to promote tribal self-sufficiency and serves tribal governments in an advisory, resource, consultation, and educational capacity. The GOIA website provides links to an event calendar, historical and treaty information, information on tourism, cultural and economic information, a tribal directory, FAQs and related links and resources. The website home page may be accessed at www.goia.wa.gov .

3.3.7 E-911 and PSAPs

For supporting 9-1-1 services, the State of Washington has established a fully enhanced system which allows the public safety answering points (PSAP) to know the address and location of the 9-1-1 caller when making a call through the local exchange telephone network. There are 64 primary PSAPs within the state, including the Washington State Patrol. The state is also addressing the need for wireless 9-1-1 service. Wireless enhanced 911 service is broken down into Phase I and Phase II service. With Phase I service the call back number and cell sector is displayed in the PSAP for 911 calls. Phase II service provides the call back number and the latitude and longitude of the 911 caller.

In addition to providing 9-1-1 service, designated PSAPs also serve as National Warning System (NAWAS) warning points and Emergency Alert System (EAS) entry points.

3.3.8 Public Utilities

Public utilities provide critical utility services to the public, most notably electrical power. They are typically led by a board of commissioners who are directly elected by the public in the

district. These districts operate under the supervision of the Washington State Public Utilities Commission.

Section 4 – Information and Notification Process for Original Region 43 Plan

The first Region 43 regional planning process for the 700 MHz band was officially convened in November of 2000. Meetings of the RPC were announced via various mechanisms, but few were put on Notice to the FCC. Established emailing lists for the Region 43 800 MHz process were all advised of 700 MHz meetings, as were known interested parties such as the state APCO Chapter, Police and Fire Chiefs Associations, etc.

A web site was established for the region (www.region43.org) and all meeting agendas and minutes were posted on that web site, as well as key resource documents and links to other web sites and web documents. Further, an information sheet was developed that was posted on the web site and provided to vendor representatives to distribute while making sales visits to customers throughout the state. All of this was done in an effort to raise awareness of the availability of the 700 MHz band and the existence of a regional planning process.

Finally, the web site provides a tool on the home page that would allow any interested party to sign up for a listserv function. Every meeting announcement, resource documents, discussion threads and other information were circulated through this list for the broadest possible transfer of information.

In late 2003, the RPC determined that sufficient information was in hand to allow us to take the draft plan document and move it through completion, broadly advertised regional review and scrutiny, coordination with neighboring regions (Region 12 – Idaho and Region 35 – Oregon) and ultimate submission to the FCC for approval. On February 4, 2004, under DA 04-275, we gave Notice of our planning schedule through June 2004.

At the March 2004 meeting a near-final draft version of the Plan was reviewed.

On December 3, 2004, the RPC filed with the FCC our meeting schedule for December 2004 and the 1st Quarter of 2005 and advised in that notice our intention to move this plan to completion at our January, 2005 meeting.

During the RPC meeting on January, 2005, edits and comments received during the preceding month were incorporated into the document, and further edits were made from input received at the meeting. Since none of these edits materially altered the Plan or spectrum allocations, a final vote was taken to approve the Plan and transmit it to the FCC for review and approval at the end of January, 2005.

2015 Region 43 Plan Revision Process

The first Region 43 regional planning process for the 2015 revision of the Region 43 700 MHz band was officially convened in December of 2014D.

Meetings of the RPC were announced via multiple methods. Established emailing lists for the Region 43 700 MHz process were all advised of Plan rewrite process and invited to participate. Direct contact with the Region 43 Chair was encouraged so that interested parties could be included in regularly scheduled Region 43 meetings, as well as any special Plan workshops and drafting meetings. Notices of the process were provided through the list of parties who receive email notification from the Washington State SIEC and Washington OneNet, as well as other public safety communications committees and groups. The draft Plan was also made available to other interested parties such as the state APCO Chapter, Police and Fire Chiefs Associations, etc.

A web site established for the region (www.region43.org) has remained available for interested parties from 2004 until the present time. The drafts of the 2015 revised Plan were made available for download via the Region 43 web site starting on August 24, 2015. Comments and edits were requested and the Chair and Vice-Chair identified as points of contact for any feedback or suggested revisions. This web site provides a tool on the home page that would allow any interested party to sign up for a Yammer social network service. Every meeting announcement, resource documents, discussion threads and other information were circulated through Yammer service for the broadest possible transfer of information. A listing of the Yammer social network members at the time this Plan was filed with the FCC for approval is provided in Appendix D.

Further efforts to increase awareness and visibility for the planning process included:

- Publishing notices of the September and October 2015 RPC meetings with the FCC <http://wireless.fcc.gov/publicsafety/700MHz/regions/region43.html>
- Sending notices to the Washington State SIEC and Washington OneNet distribution list that includes public safety and governmental associations across the state (in excess of 650 individuals and organizations), indicating that the Region 43 Plan revision process was underway and noting that the draft Plan was published and available on the Region 43 web page for review and comment.

The Outreach Committee's tracking forms are also included in Appendix D.

In September of 2015, the RPC determined that sufficient information was in hand to allow us to take the draft plan document and move it through completion. This included broadly advertised regional review and scrutiny, publication of the September and October 2015 Region 43 meeting dates and agenda in the FCC Daily Digest, coordination with neighboring regions (Region 12 – Idaho and Region 35 – Oregon) and ultimate submission to the FCC for approval. In preparation for a final review of the Plan and incorporation of any remaining suggested changes, all comments during the period of August 24, 2015 through October 15, 2015 were noted, reviewed and incorporated in the draft Plan at a working session on October 16 of 2015. Final discussion of the Plan changes took place at the October 28, 2015 700 MHz RPC meeting and a vote was taken on submittal of the Plan to the FCC. The vote to forward the Plan for FCC review and approval was unanimous.

Section 5 – Regional Plan Summary

The main overarching strategy in this 2015 Plan from the standpoint of spectrum allotment and coordination is initial adherence to the pre-packed database in Computer Assisted Pre-Coordination and Resource Database System or CAPRAD. CAPRAD is a nationwide database use for public safety spectrum management. This tool will allow professionals to coordinate spectrum use in the region and will assist in the licensing of frequencies. As the RPC progressed through Plan revision meetings and draft versions of this Plan, we did not discover any situation where the pre-packed spectrum allocation seemed to be out of alignment with expectations of where spectrum needs would occur. Since the original CAPRAD pre-pack took into consideration both demographic and topographic considerations, we have determined that the allotments of spectrum based on county geographical areas are the most reasonable basis for initial allocation under this Plan. Applications that request channel assignments outside of the CAPRAD initial packing plan will be accepted provided they include appropriate technical documentation to demonstrate that the proposed channel assignment methodology provides for adequate protection of existing assignments and demonstrates efficient use of the spectrum requested.

Region 43 continues to maintain the CAPRAD database for all subsequent RPC frequency assignments as they are made for specific system implementations. Therefore, the CAPRAD database will continue to serve as a single repository of all RPC approved assignments and allow us to carefully manage co-channel and adjacent-channel interference issues with the system designers and frequency coordinators.

In our conversations with our adjacent regions – Region 35 (Oregon) and Region 12 (Idaho) – both regional Chairs expressed the view that their respective assignment methodology will continue to use CAPRAD as the underlying initial assignment method, and that CAPRAD continues to represent the sole representation of channel assignments made by each RPC. With this understanding amongst the Regions, current and future frequency assignments in border areas will be able to be easily managed and coordinated through the CAPRAD database.

This Plan also establishes guidelines and processes for the deployment of interoperability functionality that is consistent with national and state level guidelines. The revised Interoperability section of this Plan (Section 6) was reviewed and approved by the Washington SIEC and the SIEC has, and will continue to, take an active role in working with the RPC to monitor system deployments under this Plan to make sure the Interoperability objectives are met.

Section 6 – Interoperability

6.1 Introduction

The ability of agencies to effectively respond to mutual aid requests directly depends on their ability to communicate with each other. Washington State is subject to natural and man-made disasters such as the geological activity at Oso, Mount St. Helens, the Nisqually Earthquake, and wild land fires, and mutual aid is common among responding agencies. This Plan seeks to facilitate the communications necessary for effective mutual aid.

Washington State will administer the 700 MHz Interoperability channels via the 700 MHz RPC. Delegation of this authority from the SIEC took place through formal action by the Washington State SIEC at its regular meeting on 16 of April, 2015. It will be the responsibility of the Region 43 RPC to keep the Washington State SIEC apprised on regular basis of any changes in the allocation of the Interoperability channels.

Region 43 adopts the latest ANSI/TIA 102 Standards, i.e. Project 25 digital protocols, as the digital interoperability standard for the 700 MHz conventional-only mode of operation on the narrowband voice and data interoperability channels as shown in Appendix A of this Plan. P25 Phase I, FDMA operation shall be the only acceptable modulation for use on the 700 MHz Interoperability channels.

While defined as intended for specific operational needs, the Tactical channel sets may be assigned for alternate uses by the Incident Commander. As an example, the Incident Commander may find that a fire channel is the only tactical channel resource constructed in an area where an EMS response is called for. Under these circumstances, functional reassignment of the channel may be made on a coordinated basis for the duration of the incident under direction of the Incident Commander.

6.2 Calling Channels

Region 43 operates two 700 MHz calling channel sets. The calling channels set designations within Washington State are "7CALL50" and "7CALL70". Refer to latest version of National Interoperability Field Operations Guide (NIFOG) for details. These calling channel sets shall be monitored, on a 24 x 7 basis, by licensees who employ 700 MHz channels from the general use or state pool as a part of their infrastructure. When calling channels are integrated into infrastructure, their mobile coverage must at least match the coverage of the other channels in the system. In addition to the usual calling channel functions, the calling channels may be used to notify users when a priority is declared on one or more of the tactical interoperability channels.

6.3 Requirement for Infrastructure to Support Interoperability Channels

All agencies requesting General Use spectrum from this Plan will be required to implement the number of Interoperability channels designated in the table below. This implementation shall normally provide mobile area coverage over essentially the same service area as the primary communications channel assignments. The SIEC, or its designee, may authorize reduced coverage, reduced channel count, or extended/delayed implementation where such a reduction is required to meet good engineering standards, interference mitigation or other specialized requirements.

This infrastructure may be configured to operate in a half-duplex mode to minimize intra-system interference under routine conditions, provided however that a wireline equivalent connection delivers received audio to a dispatch point where 24 x 7 monitoring will take place. Approval of such operation also requires the ability for the dispatch point to re-enable normal repeater operation when so requested.

Agencies are encouraged to provide for additional interoperability channels and improved grades of service beyond the requirements establish in this Section.

Required Interoperability Channels based on total licensed bandwidth are provided in the table below. See National Interoperability Field Operations Guide (NIFOG) for details on interoperability channels.

Bandwidth Licensed	Required Number of Interoperability Channels
0 to 50 kHz	None
62.5 to 100 kHz	1 Call Channel
112.5 to 175 kHz	1 Call Channel 1 Law Enforcement Channel 1 Fire/EMS Channel
> 175 kHz	1 Call Channel 1 Law Enforcement Channel 1 Fire Channel 1 EMS Channel

6.4 Tactical Channels

All Interoperability channels, except as described below, shall be used for conventional-only (i.e. non-trunked) operation. Normally, users will 'call' a dispatch center on one of the "Calling Channels" and be assigned an available tactical channel. Deployable narrowband operations (voice, data, and trunking) shall be afforded access to the same pool of channels used for similar fixed infrastructure operations. In the event of conflict between multiple activities, prioritized use shall occur. Use prioritization shall be:

- 1 Disaster and extreme emergency operations for mutual aid and interagency communications.
- 2 Emergency or urgent operation involving imminent danger to life or property.
- 3 Special event control, generally of a preplanned nature (including Task Force operations).
- 4 Routine communications that relate to critical operational needs, where those needs may not be met by wide area communications systems.
- 5 Training and testing as required to maintain proficiency and operability of the radio system resource.

6.5 Encryption

Use of encryption is prohibited on calling channels and permitted on all other Interoperability channels. Region 43 recommends not using encryption on interoperability channels. If encryption is required, licensees shall follow the guidance of FCC Rule 90.553 and/or NiFOG.

6.6 Deployable Systems

Washington State supports the use of deployable systems, both conventional and trunked. Deployable systems are prepackaged systems that can deploy by ground or air to an incident to provide additional coverage and capacity on interoperability channels. This strategy minimizes the expense of installing fixed infrastructure and recognizes the difficulty of providing complete coverage to Washington State due to environmental constraints.

6.6.1 Conventional Deployable Interoperability Channels

General Public Safety Service conventional Channels labeled "7MOB59" and "7MOB79" as well as shall be made available for "deployable" equipment used during disasters and other emergency events that place a heavy, unplanned burden upon in-place radio systems. Use of deployable conventional and trunked interoperability systems will be coordinated so as to minimize interference with permanently installed conventional interoperability infrastructure.

6.6.2 Trunking on Reserve Pool Channels Released for such use in 2014

FCC DA 15-278 on March 3rd, 2015, provides guidance for use of 8 of the released 24 paired 12.5 kHz channels previously held in reserve. Region 43 has determined that 6 of the 8 will be deployable per the table below.

Deployable Trunked Channel	Channel Number	12.5 kHz Center Frequency	Channel Spacing (kHz)
A	37-38	769.23125	N/A
B	61-62	769.38125	150
C	117-118	769.73125	350
D	141-142	769.88125	150
E	883-884	774.51875 CC-P (Channel 883-884 is designated as a Primary Control Channel (CC-P) for the nationwide deployable system)	4500
F	939-940	774.86875 CC-A (Channel 939-940 is designated Alternate Control Channel (CC-A) for the nationwide deployable system)	350

Additionally, at this time, the 700 MHz Plan adopts use of P25, Phase I, FDMA as the sole permitted channel access protocol for use on the deployable 700 MHz trunked repeater channels. Requests to use P25 Phase II, TDMA will be accepted for review and consideration but applicants are cautioned that Phase I operation is required for effective interoperability. Trunked operation on the Interoperability channels is intended to provide for heavy communications needs at specific locations and these channels are not intended to be used in the trunked mode for permanent operations.

The remaining 18 channels will be held as reserve channels for future Region 43 use.

The 700 MHz reserve channels will be identified in Appendix E as General Use R43 Reserve Pool.

6.7 Standard Operating Procedures on the Trunked Interoperability Channels For Situations Above Level 4

The safety and security of life and property determines appropriate interoperable priorities of access and/or reverting from secondary trunked to conventional operation. Access priority for "mission critical" communications is recommended as follows:

1. Disaster and extreme emergency operations for mutual aid and interagency communications;
2. Emergency or urgent operation involving imminent danger to life or property;
3. Special event control, generally of a preplanned nature (including Task Force operations)
4. Routine communications that relate to critical single agency or multiple agency operational needs, where those needs may not be met by wide area communications systems.
5. Training and testing as required to maintain proficiency and operability of the radio system resource.

6.8 Data Only Use of the Interoperability Channels

Narrowband data-only interoperability operation on the Interoperability channels on a secondary basis shall be limited to two specific 12.5 kHz channel sets named "7DATA69" and "7DATA89".

6.9 Direct (Simplex) Mode

In direct (simplex) mode, transmitting and receiving on the output (transmit) side of the repeater pair for subscriber unit-to-subscriber unit communications at the scene does not congest the repeater station with unnecessary traffic. However, should someone need the repeater to communicate with the party who is in "direct" mode, the party would hear the repeated message, switch back to the repeater channel, and join the communications. Therefore, operating in direct (simplex) mode shall only be permitted on the repeater output side of the voice Interoperability channel sets.

6.10 Common Channel Access Parameters

Common channel access parameters will provide uniform Interoperable communications regardless of jurisdiction, system, manufacturer, etc. This national requirement should apply to base stations and subscriber units. This should apply to fixed or temporary operations. This should apply to tactical, voice, or other mutual aid conventional use.

Common channel access parameters for all voice interoperability shall utilize the default values as identified in the current National Interoperability Field Operations Field Operations Guide ([NIFOG](#)) 700MHz National Interoperability Channels Table. The specified means of channel access shall be P25 Phase I, FDMA operation.

Section 7 – Additional Spectrum Set Aside for Interoperability in the Region

Due to the significant number of Interoperability channels already defined in the national planning structure, no additional Interoperability channels are defined at this time within Region 43. The RPC may reallocate General Use or Region 43 Reserve Pool channels for Interoperability use in the future if we find a need exists.

Section 8 – Allocation of General Use Spectrum

8.1 General Use Narrowband Spectrum

The FCC adopted channel plan for the 700 MHz public safety spectrum is shown in Appendix F. The largest portion of this spectrum is characterized as General Use. The initial allotment of general use narrowband spectrum in Region 43 has been based on the initial frequency packing done to populate the CAPRAD database. This allotment was done on a county-area basis and takes into consideration both county-area population and hypothetical spectrum coverage predictions. Since this spectrum packing was done on a national basis, coordination with neighboring Region 12 (Idaho) and Region 35 (Oregon) are already accomplished in the CAPRAD data, so limited issues should arise in Plan coordination with these neighboring Regions as long as they don't modify CAPRAD assignments in their border areas.

Region 43 believes that the pre-packed CAPRAD database represents the most rational basis for our initial spectrum allotment.

The initial spectrum allotment on a county-area basis is provided in Appendix F. As subsequent applications by eligible licensees are made to the RPC, it will assign specific channels based on the most efficient spectrum utilization possible and as further described in other sections of this document. All such assignments will be maintained in the CAPRAD database and that is the only database neighboring Regions and frequency coordinators should use to determine channel utilization in Region 43.

8.2 Air-Ground Channels

Any licensed 700MHz channel can be used for Air to Ground communications, at reduced power, per FCC rules. Additional Air to Ground channels have been identified by the FCC in the state allocated section of the band and adjacent to national interoperability channels. Special restrictions apply to any operation within 315 Km of the Canadian border.

8.3 Low Power and Itinerant Use Channels

Twelve channels are designated by the FCC for low power use for on-scene incident response purposes and itinerant operations using repeaters, bases, mobiles and portables. Of these twelve channels, three of the 12 pairs can be licensed for nationwide itinerant use, with applications being submitted directly to the FCC. The remaining 9 channels are subject to assignment through the normal Region 43 assignment process. Technical limitations placed on the use of all these channels are as follows:

1. Transmitter power must not exceed 2 watts ERP
2. Bandwidth is limited to 12.5 kHz
3. Analog or digital operation is allowed

8.4 Canadian Border Issues

Public safety licenses are granted subject to the conditions as set forth in 47 C.F.R. Section 90.533. Public safety transmitters operating at locations North of Line A must accept any interference that may be caused by operations of UHF television broadcast transmitters in Canada. Those conditions may change during the term of the license if required by the terms of international agreements between the United States and the government of Canada, as applicable, regarding the non-broadcast use of the 764-776 and 794-806 bands. Canada primary channels are identified in Appendix E and Appendix F.

8.5 Application Filing Procedure

Application filing procedures are detailed in the "Region 43 Application Review Procedures" document which is available on the Region 43 web page (Region43.org).

For consideration in an upcoming scheduled meeting, applications must be provided no less than 2 weeks prior to the scheduled Region 43 700MHz meeting. Applications should be sent to the Chair and Vice-Chair as identified on the Region 43 web page (Region43.org). Region 43 also accepts applications using CAPRAD, with simultaneous direct submission to the Region 43 Chair and Vice-Chair

Section 9 – Explanation of How Needs Were Assigned Priorities in Areas Where Not All Eligible Applicants Could Receive Licenses

The following scoring matrix will be used to evaluate competing applications for narrowband channels filed in the same filing window within the county-by-county allocations from the remaining pool of narrowband channels once the county-by-county allocations sunset. The applications receiving the highest number of points will receive the channels. There are seven scoring categories:

9.1 Service (Maximum 350 points)

Police, fire, local government, combined systems, multi-jurisdictional systems, etc.

9.2 Intersystem & Intra-system interoperability (Maximum 100 points)

This category will be scored considering how well the proposed system will be able to communicate with other levels of government and services during an emergency on “regular” channels, not the Interoperability channels. Interoperability must exist among many agencies to successfully accomplish the highest level of service delivery to the public during a major incident, accident, natural disaster or terrorist attack. Applicants requesting 700 MHz spectrum shall inform the region of how and with whom they have been achieving interoperability in their present system.

The applicant shall stipulate how they will accomplish interoperability in their proposed system (gateway, switch, cross-band repeater, console cross-patch, software defined radio or other means) for each of the priorities listed below:

- A. Disaster and extreme emergency operation for mutual aid and interagency communications.
- B. Emergency or urgent operation involving imminent danger to life or property.
- C. Special event control, generally of a preplanned nature (including task force operations).
- D. Single agency secondary communications. This is the default priority when no other priority is declared and includes routine day to day (non-emergency) operations.

9.3 Loading (Maximum 150 points)

This category will be scored considering whether the system is part of a cooperative, multi-organization or multi system. Is the application an expansion of an existing system? Have all 821 channels been assigned (where technically feasible)? A showing of maximum efficiency or a demonstration of the system’s mobile usage pattern could be required in addition to loading information. Based on population, number of units (if number of units, are they take home, how many per officer), what are the talk groups?

9.4 Spectrum Efficient Technology (Maximum 350 points)

This category will be scored based on how spectrally efficient the system’s technology is. Trunked systems are considered efficient as well as any technological systems feature such as TDMA vs

FDMA, which is designed to enhance the efficiency of the system and provide for the efficient use of the spectrum.

9.5 Systems Implementation Factors (Maximum 100 points)

This category will be scored based on funding and system planning details as well as construction and implementation schedule. Is this going to be slow growth (within the next five years) or is it something that's ready to be implemented now? A document stipulating what the agency is planning to implement signed by an official within the organization who handles the money is required.

9.6 Geographic Efficiency (Maximum 100 points)

This category will be scored based on the ratio of subscriber units to area covered and the channel reuse potential. The higher the ratio (mobiles divided by square miles of coverage) the more efficient the use of the frequencies. Those systems which cover large geographic areas will have a greater potential for channel reuse and will therefore receive a high score in this subcategory.

9.7 Givebacks (Maximum 200 points)

This category will be scored based on the number of channels given back and the extent of availability and usability of those channels to others.

Total evaluation points above add up to 1350.

Section 10 – An Explanation of How all the Region Eligibles' Needs were Considered, and to the extent possible met

As described elsewhere in this Plan, the initial allotment of channels in the narrowband general use category in Region 43 was made through the CAPRAD pre-packing process that utilized a combination of population, geography and signal propagation parameters to determine channel distribution. Over the course of nine (9) meetings of the RPC during the drafting of the textual portions of this plan, participants were asked to comment on the spectrum needs of their agencies in the 700 MHz band and any agencies they were aware of in their geographic area. These comments are recorded in the Minutes of the meetings of the RPC. Consistently, the comments received indicated that the CAPRAD pre-pack provided adequate spectrum distribution across the Region to meet the foreseeable needs of the eligible users.

Section 11 – Evidence that the plan has been successfully coordinated with adjacent regions

Telephonic discussions took place with the Region 35 RPC Chair and the Region 12 RPC Chair during the summer of 2015. These discussions described the proposed Plan changes between the three adjacent regions. A follow-on face-to-face discussion about the respective region plan revisions took place on August 18th, 2015. On September XX, 2015, the Chairs of Region 12 (Idaho) and Region 35

(Oregon) were provided a copy of the Region 43 final draft Plan. In that message they were advised of our intended timeline to take further edits at our September 2015 meeting prior to final approval of the Plan and transmittal to the FCC. They were also asked to provide a review of draft Region 43 Plan. Responses received from both RPCs indicated that significant issues were identified and they believed the revised Region 43 Plan would be approved by their RPCs as written.

On of 2015, the Final Draft of this Plan was formally transmitted to Regions 12 and 35 for formal review and consent. Consent letters edits were requested by October 12th of 2015 so they could be taken into consideration at the October 2015 meeting of the Region 43 RPC.

Copies of the consent letters and Inter-Regional Coordination Agreements are attached in Appendix G.

Section 12 – Detailed Description of How the Plan Puts Spectrum to the best possible use

As described elsewhere in this Plan, the initial allotment of channels in Region 43 was made through the CAPRAD pre-packing process that utilized a combination of population, geography and signal propagation parameters to determine channel distribution. Population is the most significant driver in predicting call for service demands on public safety agencies, and call for service demand is one of the largest drivers in the need for spectrum. Therefore, the melding of propagation influences across population aggregations on a county-area basis provides a distribution model that most closely reflects the spectrum demands of the public safety agencies within those areas.

The RPC believes that utilizing the CAPRAD pre-packing for initial channel allotment of the narrowband spectrum, on a county-area basis, and the subsequent filing-window processing of applications for specific channel assignments, will result in the most efficient use of the spectrum as well as meeting the broadest set of needs of the eligible users of the spectrum.

Section 13 – Detailed description of the future planning process, including but not limited to the amendment process, meeting announcements and minutes, database maintenance and dispute resolution

13.1 Future Planning & Minutes

Region 43 will maintain a website (www.region43.org) on which all plan documents, Bylaws, meeting schedules, meeting minutes and application filing procedures will be maintained. The RPC anticipates that two types of Plan modifications will be made in the future, administrative changes that do not alter spectrum allocations in the Plan, and spectrum changes that do alter spectrum allocations in the Plan. Each of these types of changes will be handled through a different process.

13.1.1 Administrative Plan Changes

From time to time, the RPC may need to make changes to the Plan or Bylaws that are purely administrative in nature and that do not alter spectrum allocations within the county-area allocations. Examples of such changes include changes in officer positions, changes in meeting schedules, changes in application processing procedures, etc.

Administrative changes to the Plan or Bylaws will be offered to the RPC at a properly scheduled meeting and adopted at that meeting if possible. At the will of the RPC, the change may be held over for subsequent meetings to allow further information to be collected or further debate to occur. Once the change is adopted by the RPC, the amended Plan or Bylaws will be filed with the FCC for formal ratification. Copies will also be provided to neighbor regions (Oregon and Idaho) so they are aware of the administrative change.

13.1.2 Spectrum Allocation Changes

From time to time the RPC may need to make changes to the Plan that alter the initial allocation of channels between county areas. Examples of such changes include situations where one county area has fully exhausted their initial allocation and need further spectrum to meet public safety needs, and neighboring county areas have demonstrated no interest to plan for or fund utilization of the spectrum.

Changes of this nature will be offered to the RPC at a properly scheduled meeting and discussed and debated at that meeting and at least one subsequent meeting. Once the change is approved by the RPC, notification of the change will be sent to neighbor Regions (Oregon and Idaho) for coordination and concurrence. Neighbor Regions will be requested to provide comments and concerns, or consent, within 45 calendar days of receiving notice of the change.

Once neighbor Region comments or consent is received, or following the 45 calendar day comment period, the RPC will again consider the changes at the next scheduled meeting, incorporate any further changes needed, and vote to approve the change and submit it to the FCC for ratification.

13.2 Database Maintenance

Region 43 will use the CAPRAD pre-coordination database, specifically designed for use in the 700 MHz narrowband Public safety band (769-775 MHz and 799-805 MHz). This database will contain frequency availability and pre-allotment. Region 43 will use the CAPRAD database to review pending and/or complete pre-allotments for the adjacent Regions to assist in completing their respective plans.

The FCC's designated public safety frequency advisors will use the CAPRAD database during the application process (pre-coordination). Frequency advisors, as well as RPCs, are required to maintain the database as the applications are processed and granted by the Commission.

13.3 Intra-Regional Dispute Resolution Process

13.3.1 Introduction

The RPC is established under section 90.527 of the FCC's rules and regulations. It is an independent Committee apart from the Federal Communications Commission with authority to evaluate applications for public safety uses of the spectrum allocated under FCC Docket 96-86. In addition, appeals from decisions made with respect to a variety of matters regulated by the RPC will be heard. The formal requirements of the appeal process are set out below.

In order to ensure that the appeal process is open and understandable to the public, the RPC has developed this procedure. Those involved in the appeal process can expect the RPC and its members to follow the procedures detailed in this plan. Where any matter arises during the course of an appeal that is not dealt with in this document, the RPC will do whatever is necessary to enable it to adjudicate fairly, effectively and completely on the appeal. As the RPC gains experience, it will refine and, if necessary, change its policies. Any changes made to the procedure will require a modification to the Regional Plan and will be made available to the public.

The RPC will make every effort to process appeals in a timely fashion and issue decisions expeditiously.

13.3.2 Appeal Subcommittee

13.3.2.1 Members

The RPC Chair may organize the RPC into Subcommittees, each comprised of one or more members; the Appeal Subcommittee is one of those.

Where an appeal is scheduled to be heard by this Subcommittee the chair is determined as follows:

- (a) if the chair of the RPC is on the Subcommittee, he/she will be the Chair;
- (b) if the chair of the RPC is not on the Subcommittee but the Vice-Chair is, the Vice-Chair will be the Chair; and
- (c) if neither the Chair nor the Vice-Chair is on the Subcommittee, the RPC will designate one of the members to be the Chair.

13.3.2.2 Withdrawal or Disqualification of a Subcommittee Member on the Grounds of Bias

If the Subcommittee Chair or member becomes aware of any facts that would lead an informed person, viewing the matter reasonably and practically, to conclude that a member, whether consciously or unconsciously, would not decide a matter fairly, the member will be prohibited from conducting the appeal unless consent is obtained from all parties to continue. In addition, any party to an appeal may challenge a member on the basis of real or a reasonable apprehension of bias.

13.3.2.3 Correspondence with the Subcommittee

To ensure the appeal process is kept open and fair to the participants, any correspondence to the Subcommittee must be sent to the Chair and be copied to all other Subcommittee members and other parties to the appeal, if applicable. Subcommittee members will not contact a party on any matter relevant to the merits of the appeal, unless that member puts all other parties on notice and gives them an

opportunity to participate. The appeal process is public in nature and all meetings regarding the appeal will be open to the public.

13.3.3 The Appeal Process

13.3.3.1 What can be appealed

The Subcommittee hears appeals from a determination or allocation by the RPC and shall include the following: number of channels assigned, ranking in the assignment matrix, interference, or any other criteria that the region shall establish.

13.3.3.2 Who can appeal

An official of the entity who filed the original application to the RPC must be the person who files the appeal on behalf of the entity.

13.3.3.3 How to appeal

A notice of appeal must be served upon the RPC in accordance with the filing window policy in section 8.5. The notice of appeal may be delivered by mail, courier, e-mail, or hand delivered, to the Chair and Vice-Chair of the RPC. Appeal must be on the appealing entity's official letterhead and include the originator's signature. The Chair or Vice-Chair will in-turn transmit notice of the appeal to RPC members within five working days of receipt.

To be accepted for consideration the notice of appeal **must** include:

1. The name and address of the appellant;
2. The name of the person, if any, making the request for an appeal on behalf of the appellant;
3. The address for service of the appellant;
4. The grounds for appeal (a detailed explanation of the appellant's objections to the determination - describe errors in the decision);
5. A description of the relief requested (What the appellant wants the RPC to do at the end of the appeal?);
6. The signature of the appellant or the appellant's representative.
7. Official letterhead of the appealing entity.

13.3.3.4 Time limit for filing the appeal

To appeal a determination or allocation the entity that is subject to the determination must file a notice of appeal **within twenty-one (21) calendar days** after receiving the decision. If a notice of appeal is not filed with the RPC within the time required, the right to an appeal is lost. However, the RPC is allowed to extend the deadline.

13.3.3.5 Extension of time to appeal

The RPC has the discretion to extend the time to appeal either before or after the twenty-one (21) calendar day deadline. A request for an extension should be made to the RPC, in writing, and include the reasons for the delay in filing the notice of appeal and any other reasons which the requester believes support the granting of an extension of time to file the appeal. A request for an extension should accompany the notice of appeal.

In deciding whether to grant an extension, the RPC will consider whether fairness requires an extension. The RPC will take into account the length of the delay, the adequacy of the reasons for the delay, the prejudice to those affected by the delay and any impacts that may result from an extension. Other factors not identified could be relevant depending on the circumstances of the particular case.

13.3.3.6 Rejection of a notice of appeal

The RPC may reject a notice of appeal if:

- (a) it is determined that the appellant does not have standing to appeal; or
- (b) the RPC does not have jurisdiction over the subject matter or the remedy sought.

Before a notice of appeal is rejected, the RPC will inform the appellant of this in writing, with reasons, and give the appellant a twenty-one (21) calendar day opportunity to make submissions. Any potential parties affected by the appeal will also be provided with an opportunity to respond during this timeframe.

13.3.3.7 Adding parties to the appeal

The RPC has the discretion to add any other person or entity that may be affected by the appeal as a party to the appeal. Anyone wanting to obtain party status should make a written request to the RPC as early as possible. The written request must be submitted to the RPC on official letterhead of the filing agency in accordance with the filing window procedures in section 8.5, and must contain the following information:

- a. The name, address, telephone number and email address, of the person submitting the request;
- b. A detailed description of how the person is affected by the notice of appeal;
- c. The reasons why the person should be included in the appeal; and
- d. The signature of the person submitting the request.

13.3.3.8 Type of appeal

An appeal will be conducted by way of written submissions and oral hearing. The Subcommittee will normally conduct an oral hearing as part of the normally scheduled Region 43 RPC meeting.

13.3.3.9 Notification of expert evidence

Any party that intends to present expert evidence at a hearing will be required to provide the Subcommittee, and all other parties to the appeal, with reasonable advance notice that an expert will be called to give an opinion. The notice should include a brief statement of the expert's qualifications and areas of expertise.

If a party intends to produce, at a hearing, a written statement or report prepared by an expert, a copy of the statement or report should be provided to the Subcommittee and all parties to the appeal within a reasonable time before the statement or report is given in evidence. Unless there are compelling reasons for later admission, expert reports should be distributed twenty-one (21) calendar days prior to the hearing date.

13.3.3.10 Documents

If a party will be referring to a document that was not provided to the Subcommittee and all parties prior to the hearing, sufficient copies of the document must be brought to the hearing for the Subcommittee and all other parties.

13.3.4 Appealing the Appeals Subcommittee's Decision

If a party is not satisfied with the decision of the Appeal Subcommittee, he or she can appeal that decision to the 700 MHz National Planning Oversight Committee or other body formally designated by the FCC to handle matters of this nature.

13.4 Inter-Regional Dispute Resolution Process

Signed letters of Plan concurrence from Region 12 (Idaho) and Region 35 (Oregon) are attached in Appendix G. Intra-regional disputes, if not addressable through the normal coordination process, shall follow the appeals in each plan.

Section 14 – Certification by the Chairperson that Regional Planning Process was Open to the Public

I hereby certify that all Region 43 Regional Planning Committee meetings, including subcommittee or executive committee meetings were open to the public.

Signed /s/ Spencer Bahner

Region 43 Chairperson

Witnessed /s/ Tim McDowell

Region 43 Vice-Chairperson

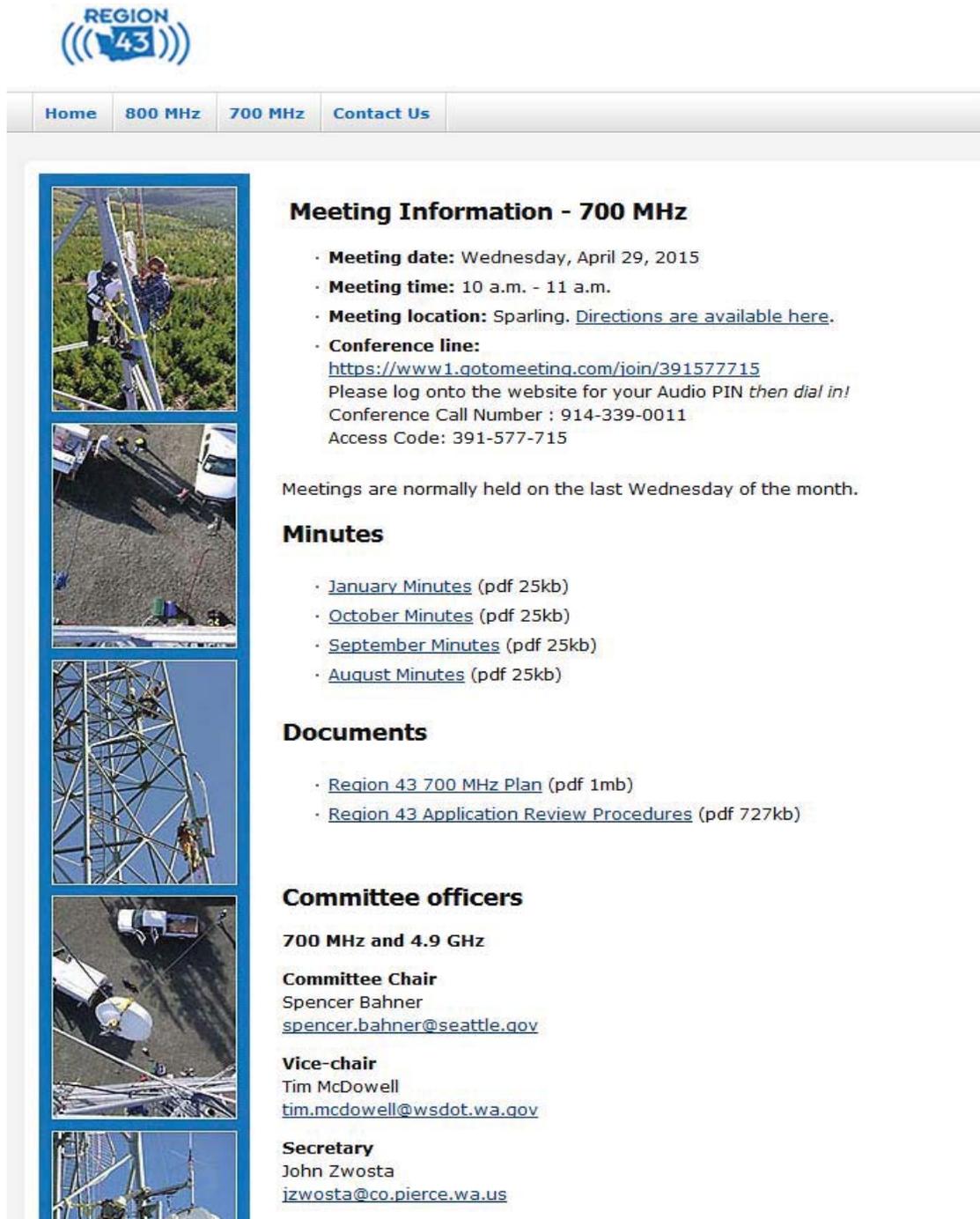
Appendix A – Table of Interoperability Channels

700 MHz Interoperability Channels, Labels, and Usage - See the [NIFOG](#)

Region 43 700MHz committee has adopted the channel assignment, usage parameters and technical configuration as detailed in the current National Interoperability Field Operations Field Operations Guide ([NIFOG](#)) 700MHz National Interoperability Channels Table.

Appendix B – Region 43 RPC Meeting Minutes

All Minutes of the Region 43 Regional Planning Committee meetings are archived on the Region 43 web site www.region43.org. The following screen shot provides an example of how the Minutes are organized as of the date of this revision of the Region 43 Plan.



The screenshot shows the Region 43 website interface. At the top left is the Region 43 logo. Below it is a navigation bar with links for Home, 800 MHz, 700 MHz, and Contact Us. The main content area is titled "Meeting Information - 700 MHz" and includes a list of meeting details: date (Wednesday, April 29, 2015), time (10 a.m. - 11 a.m.), location (Sparling, with a link for directions), and conference line information (a Zoom link, audio PIN, and call number). Below this is a section for "Minutes" with links to January, October, September, and August minutes. A "Documents" section lists the 700 MHz Plan and Application Review Procedures. Finally, a "Committee officers" section lists the Chair (Spencer Bahner), Vice-chair (Tim McDowell), and Secretary (John Zwosta) with their contact information. On the left side of the page, there is a vertical column of five images showing various views of telecommunications towers and equipment.

REGION 43

Home 800 MHz 700 MHz Contact Us

Meeting Information - 700 MHz

- **Meeting date:** Wednesday, April 29, 2015
- **Meeting time:** 10 a.m. - 11 a.m.
- **Meeting location:** Sparling. [Directions are available here.](#)
- **Conference line:**
<https://www1.gotomeeting.com/join/391577715>
Please log onto the website for your Audio PIN then dial in!
Conference Call Number : 914-339-0011
Access Code: 391-577-715

Meetings are normally held on the last Wednesday of the month.

Minutes

- [January Minutes](#) (pdf 25kb)
- [October Minutes](#) (pdf 25kb)
- [September Minutes](#) (pdf 25kb)
- [August Minutes](#) (pdf 25kb)

Documents

- [Region 43 700 MHz Plan](#) (pdf 1mb)
- [Region 43 Application Review Procedures](#) (pdf 727kb)

Committee officers

700 MHz and 4.9 GHz

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Vice-chair
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John Zwosta
izwosta@co.pierce.wa.us

Appendix C – Region 43 RPC Membership and Meeting Attendees

Voting Members

Name	Organization
Spencer Bahner	City of Seattle
Debra Davis	Port of Seattle
Sean Douglas	Puget Sound Emergency Radio Network
Dean Hane	Grant County MACC 911
Randy Langford	Spokane County Regional Emergency Communications Systems
Michael Marusich	Washington State Technology Solutions
Tim McDowell	Washington State Department of Transportation
Mark McDermott	Snohomish County Emergency Radio System
Tony Minor	King County
Marjean Penny	Snohomish County Community Transit
Bob Schwent	Washington State Patrol
John Zwosta	Pierce County, Department of Emergency Management
Jose Zuniga	Washington State Department of Corrections

Active Non-Voting Members

Name	Organization
Luis Alba	Motorola Solutions
Joe Blaschka	ADCOMM Engineering
Stan Bronisz	Wiztronics
Tom Eckels	Hatfield & Dawson
Larry Kieling	Snohomish County Emergency Radio System
Andy Maxymillian	Bluewing Services
Mike Norin	ADCOMM Engineering
Babu Parayil	Port of Seattle
Marcus Preuss	Stantec/Sparling
Emery Reynolds	The Spectrum Firm
Paul Roos	Stantec/Sparling
Andy Rushack	Stantec/Sparling
Bill Silvernail	800 MHZ Group
Brad Steiner	Motorola Solutions
Michael Talley	Talley Group
Jon Wiswell	Snohomish County Emergency Radio System
John Woodcock	Washington State Patrol

Appendix D – Region 43 Social Media Subscribers and SIEC Outreach Committee Tracking Forms

The following is a listing of all [Social Media](#) subscribers as of Aug 21st 2015:

Name	Title & Account Address
Alan Tiles	Attorney
Babu Parayil	Sr. Communication Engineer
Bill Hanes	Communication Manager
Bob Schwent	Electronic Services Division Commander
Dan Overgaard	Manager, Systems Development & Operations King County Metro Transit
Dave Drolet	System Designer
Dave Halloran	Assistant Director, San Juan County Emergency Management
Debra Davis	System Administrator
Doug Dickinson	Managing Consultant
Jeremy Millman	Electronic Technician II
Joe Bartlett	Tacoma Radio Tech
Joe Blaschka, Jr.	Principal
Joe Kuran	Strategic Systems Architect
John Slomnicki	IT Supervisor King County
John Thomson	Electronic Design Engineer
John Woodcock	Electronics Engineering Manager
John Zwosta	Communication System Supervisor
Jon Melvin	Deputy
Jose Zuniga	Electronic Security Systems Manager
Ken Rhodes	Technical Support Manager
Kevin Kearns	Consultant
Marjean Penny	Member
Mark McDermott	Radio System Manager
May Vue	Sparling Consultant
Mike Norin	Consultant
Paul Roos	Wireless Consultant
Peter C. Abraham	Consultant
Raymon Hawkins	Radio Program Assistant
Ron Spencer	Senior Account Manager
Sean Douglas	PSERN Technical Lead
Spencer Bahner	Radio Manager
Tim McDowell	ITS Communications & Wireless Manager
Wayne Rankin	San Juan County AUXCOM
Michele Villnava	ITS Web Corrdinator

SIEC Outreach:



JUNE SIEC MEETING

Washington Military Department Emergency Management Division (EMD)
Building 92, Rooms 2 & 4 Camp Murray, WA 98430-5122

JUNE 18, 2015 | [AGENDA](#)

Additional Announcement Region 43 700 MHz Regional Planning Committee

The 700 MHz Regional Policy Committee (700 MHz RPC) for Washington State (identified by the FCC as 'Region 43'), is seeking your involvement in drafting an updated regional plan for the use of 700 MHz public safety spectrum in Washington State. This plan, last updated in 2008, provides the regulatory, technical and operational framework for applicants wishing to make use of the 700 MHz public safety spectrum allocation within Washington State. While differing from the 700 MHz broadband spectrum currently being developed for use as part of FirstNet and Washington OneNet, this spectrum is suitable for digital voice radio and low rate data systems. Extensive use of this spectrum is being made by local agencies, as well as the State of Washington. Because of recent FCC rule changes, Region 43 is required to revise portions of the present Region 43 Plan. This revision effort is also a chance for us to add new functions, enhanced interoperability capabilities and increased clarity to the Region 43 Plan.

This is an opportunity for all of us to shape the plan to better fit the needs of public safety agencies in Washington State and we need your engagement and support!

If you are interested in assisting with the process or would just like to be kept informed as the revised Plan develops, please contact Spencer Bahner via email: spencer.bahner@seattle.gov

NPSPAC Region 43 700 MHz Regional Planning Committee
Spencer L. Bahner, Chair
c/o: City of Seattle
1933 Minor Ave,
Seattle, WA 98101
Phone: 206-386-1213
Fax: 206-386-1217
Email: spencer.bahner@seattle.gov Web: www.region43.org

SIEC Outreach Tracking

Washington OneNet - Bulletin Detail Report

Subject: SIEC Materials June 18th
Sent: 06/10/2015 02:36 PM PDT & 10/23/2015 08:15 AM PDT
Sent By: katrina.osborn@onenet.wa.gov
Sent To: Subscribers of FirstNet Public Safety RSS Feed, Interoperability, OneNet Blog, OneNet Events, OneNet News, OneNet Twitter Digest, Operational Workgroup, SAW, SIEC, Stakeholder Committee, Technical Committee

651
Recipients

Email

Facebook

RSS

98%

Delivered

0% Pending

2% Bounced

27% Open Rate

7% Click Rate

Delivery Metrics - Details

651 Total Sent
641 (98%) Delivered
0 (0%) Pending
10 (2%) Bounced
1 (0%) Unsubscribed

Bulletin Analytics

403 Total Opens
172 (27%) Unique Opens
54 Total Clicks
46 (7%) Unique Clicks
20 # of Links

Appendix E – FCC 700 MHz Public Safety Channel Plan – [Arrangement Q](#)

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
1-2	769.00625	799.00625	Not Assigned	Low Power
3-4	769.01875	799.01875	Not Assigned	Low Power
5-6	769.03125	799.03125	Not Assigned	Low Power
7-8	769.04375	799.04375	Not Assigned	Low Power
9-10	769.05625	799.05625	Not Assigned	Low Power
11-12	769.06875	799.06875	Not Assigned	Low Power
13-14	769.08125	799.08125	USA	General Use
15-16	769.09375	799.09375	USA	General Use
17-18	769.10625	799.10625	USA	General Use
19-20	769.11875	799.11875	USA	General Use
21-22	769.13125	799.13125	USA	Air to Ground
23-24	769.14375	799.14375	US/Canada Shared I/O	Interoperability
25-26	769.15625	799.15625	USA	State License
27-28	769.16875	799.16875	USA	State License
29-30	769.18125	799.18125	USA	State License
31-32	769.19375	799.19375	USA	State License
33-34	769.20625	799.20625	USA	State License
35-36	769.21875	799.21875	USA	State License
37-38	769.23125	799.23125	USA	General Use-D
39-40	769.24375	799.24375	US/Canada Shared I/O	I/O Nationwide Call
41-42	769.25625	799.25625	USA	General Use
43-44	769.26875	799.26875	USA	General Use
45-46	769.28125	799.28125	USA	General Use
47-48	769.29375	799.29375	USA	General Use
49-50	769.30625	799.30625	USA	General Use
51-52	769.31875	799.31875	USA	General Use
53-54	769.33125	799.33125	USA	General Use
55-56	769.34375	799.34375	USA	General Use
57-58	769.35625	799.35625	USA	General Use
59-60	769.36875	799.36875	USA	General Use
61-62	769.38125	799.38125	USA	General Use-D
63-64	769.39375	799.39375	US/Canada Shared I/O	Interoperability
65-66	769.40625	799.40625	USA	State License
67-68	769.41875	799.41875	USA	State License
69-70	769.43125	799.43125	USA	State License
71-72	769.44375	799.44375	USA	State License
73-74	769.45625	799.45625	USA	State License
75-76	769.46875	799.46875	USA	State License
77-78	769.48125	799.48125	USA	General Use R43 Reserve

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
79-80	769.49375	799.49375	US/Canada Shared I/O	Interoperability
81-82	769.50625	799.50625	USA	General Use
83-84	769.51875	799.51875	USA	General Use
85-86	769.53125	799.53125	USA	General Use
87-88	769.54375	799.54375	USA	General Use
89-90	769.55625	799.55625	USA	General Use
91-92	769.56875	799.56875	USA	General Use
93-94	769.58125	799.58125	USA	General Use
95-96	769.59375	799.59375	USA	General Use
97-98	769.60625	799.60625	USA	General Use
99-100	769.61875	799.61875	USA	General Use
101-102	769.63125	799.63125	USA	Air to Ground
103-104	769.64375	799.64375	US/Canada Shared I/O	Interoperability
105-106	769.65625	799.65625	USA	State License
107-108	769.66875	799.66875	USA	State License
109-110	769.68125	799.68125	USA	State License
111-112	769.69375	799.69375	USA	State License
113-114	769.70625	799.70625	USA	State License
115-116	769.71875	799.71875	USA	State License
117-118	769.73125	799.73125	USA	General Use-D
119-120	769.74375	799.74375	US/Canada Shared I/O	Interoperability
121-122	769.75625	799.75625	USA	General Use
123-124	769.76875	799.76875	USA	General Use
125-126	769.78125	799.78125	USA	General Use
127-128	769.79375	799.79375	USA	General Use
129-130	769.80625	799.80625	USA	General Use
131-132	769.81875	799.81875	USA	General Use
133-134	769.83125	799.83125	USA	General Use
135-136	769.84375	799.84375	USA	General Use
137-138	769.85625	799.85625	USA	General Use
139-140	769.86875	799.86875	USA	General Use
141-142	769.88125	799.88125	USA	General Use-D
143-144	769.89375	799.89375	US/Canada Shared I/O	Interoperability
145-146	769.90625	799.90625	USA	State License
147-148	769.91875	799.91875	USA	State License
149-150	769.93125	799.93125	USA	State License
151-152	769.94375	799.94375	USA	State License
153-154	769.95625	799.95625	USA	State License
155-156	769.96875	799.96875	USA	State License
157-158	769.98125	799.98125	USA	General Use R43 Reserve
159-160	769.99375	799.99375	US/Canada Shared I/O	Interoperability

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
161-162	770.00625	800.00625	USA	General Use
163-164	770.01875	800.01875	USA	General Use
165-166	770.03125	800.03125	USA	General Use
167-168	770.04375	800.04375	USA	General Use
169-170	770.05625	800.05625	USA	General Use
171-172	770.06875	800.06875	USA	General Use
173-174	770.08125	800.08125	USA	General Use
175-176	770.09375	800.09375	USA	General Use
177-178	770.10625	800.10625	USA	General Use
179-180	770.11875	800.11875	USA	General Use
181-182	770.13125	800.13125	Canada	Air to Ground
183-184	770.14375	800.14375	US/Canada Shared I/O	Interoperability
185-186	770.15625	800.15625	Canada	State License
187-188	770.16875	800.16875	Canada	State License
189-190	770.18125	800.18125	Canada	State License
191-192	770.19375	800.19375	Canada	State License
193-194	770.20625	800.20625	Canada	State License
195-196	770.21875	800.21875	Canada	State License
197-198	770.23125	800.23125	Canada	General Use R43 Reserve
199-200	770.24375	800.24375	US/Canada Shared I/O	Interoperability
201-202	770.25625	800.25625	USA	General Use
203-204	770.26875	800.26875	USA	General Use
205-206	770.28125	800.28125	USA	General Use
207-208	770.29375	800.29375	USA	General Use
209-210	770.30625	800.30625	USA	General Use
211-212	770.31875	800.31875	USA	General Use
213-214	770.33125	800.33125	USA	General Use
215-216	770.34375	800.34375	USA	General Use
217-218	770.35625	800.35625	USA	General Use
219-220	770.36875	800.36875	USA	General Use
221-222	770.38125	800.38125	Canada	General Use R43 Reserve
223-224	770.39375	800.39375	US/Canada Shared I/O	Interoperability
225-226	770.40625	800.40625	Canada	State License
227-228	770.41875	800.41875	Canada	State License
229-230	770.43125	800.43125	Canada	State License
231-232	770.44375	800.44375	Canada	State License
233-234	770.45625	800.45625	Canada	State License
235-236	770.46875	800.46875	Canada	State License
237-238	770.48125	800.48125	Canada	General Use R43 Reserve
239-240	770.49375	800.49375	US/Canada Shared I/O	Interoperability
241-242	770.50625	800.50625	USA	General Use

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
243-244	770.51875	800.51875	USA	General Use
245-246	770.53125	800.53125	USA	General Use
247-248	770.54375	800.54375	USA	General Use
249-250	770.55625	800.55625	USA	General Use
251-252	770.56875	800.56875	USA	General Use
253-254	770.58125	800.58125	USA	General Use
255-256	770.59375	800.59375	USA	General Use
257-258	770.60625	800.60625	USA	General Use
259-260	770.61875	800.61875	USA	General Use
261-262	770.63125	800.63125	Canada	Air to Ground
263-264	770.64375	800.64375	US/Canada Shared I/O	Interoperability
265-266	770.65625	800.65625	Canada	State License
267-268	770.66875	800.66875	Canada	State License
269-270	770.68125	800.68125	Canada	State License
271-272	770.69375	800.69375	Canada	State License
273-274	770.70625	800.70625	Canada	State License
275-276	770.71875	800.71875	Canada	State License
277-278	770.73125	800.73125	Canada	General Use R43 Reserve
279-280	770.74375	800.74375	US/Canada Shared I/O	I/O Low Speed Data
281-282	770.75625	800.75625	USA	General Use
283-284	770.76875	800.76875	USA	General Use
285-286	770.78125	800.78125	USA	General Use
287-288	770.79375	800.79375	USA	General Use
289-290	770.80625	800.80625	USA	General Use
291-292	770.81875	800.81875	USA	General Use
293-294	770.83125	800.83125	USA	General Use
295-296	770.84375	800.84375	USA	General Use
297-298	770.85625	800.85625	USA	General Use
299-300	770.86875	800.86875	USA	General Use
301-302	770.88125	800.88125	USA	General Use R43 Reserve
303-304	770.89375	800.89375	US/Canada Shared I/O	Interoperability
305-306	770.90625	800.90625	Canada	State License
307-308	770.91875	800.91875	Canada	State License
309-310	770.93125	800.93125	Canada	State License
311-312	770.94375	800.94375	Canada	State License
313-314	770.95625	800.95625	Canada	State License
315-316	770.96875	800.96875	Canada	State License
317-318	770.98125	800.98125	Canada	General Use R43 Reserve
319-320	770.99375	800.99375	US/Canada Shared I/O	Interoperability
321-322	771.00625	801.00625	USA	General Use
323-324	771.01875	801.01875	USA	General Use

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
325-326	771.03125	801.03125	USA	General Use
327-328	771.04375	801.04375	Canada	General Use
329-330	771.05625	801.05625	Canada	General Use
331-332	771.06875	801.06875	Canada	General Use
333-334	771.08125	801.08125	Canada	General Use
335-336	771.09375	801.09375	Canada	General Use
337-338	771.10625	801.10625	Canada	General Use
339-340	771.11875	801.11875	Canada	General Use
341-342	771.13125	801.13125	Canada	General Use
343-344	771.14375	801.14375	Canada	General Use
345-346	771.15625	801.15625	Canada	General Use
347-348	771.16875	801.16875	Canada	General Use
349-350	771.18125	801.18125	Canada	General Use
351-352	771.19375	801.19375	Canada	General Use
353-354	771.20625	801.20625	Canada	General Use
355-356	771.21875	801.21875	Canada	General Use
357-358	771.23125	801.23125	Canada	General Use
359-360	771.24375	801.24375	Canada	General Use
361-362	771.25625	801.25625	Canada	General Use
363-364	771.26875	801.26875	Canada	General Use
365-366	771.28125	801.28125	Canada	General Use
367-368	771.29375	801.29375	Canada	General Use
369-370	771.30625	801.30625	Canada	General Use
371-372	771.31875	801.31875	Canada	General Use
373-374	771.33125	801.33125	Canada	General Use
375-376	771.34375	801.34375	Canada	General Use
377-378	771.35625	801.35625	Canada	General Use
379-380	771.36875	801.36875	Canada	General Use
381-382	771.38125	801.38125	Canada	General Use
383-384	771.39375	801.39375	Canada	General Use
385-386	771.40625	801.40625	Canada	General Use
387-388	771.41875	801.41875	Canada	General Use
389-390	771.43125	801.43125	Canada	General Use
391-392	771.44375	801.44375	Canada	General Use
393-394	771.45625	801.45625	Canada	General Use
395-396	771.46875	801.46875	Canada	General Use
397-398	771.48125	801.48125	Canada	General Use
399-400	771.49375	801.49375	Canada	General Use
401-402	771.50625	801.50625	Canada	General Use
403-404	771.51875	801.51875	Canada	General Use
405-406	771.53125	801.53125	Canada	General Use

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
407-408	771.54375	801.54375	Canada	General Use
409-410	771.55625	801.55625	Canada	General Use
411-412	771.56875	801.56875	Canada	General Use
413-414	771.58125	801.58125	Canada	General Use
415-416	771.59375	801.59375	Canada	General Use
417-418	771.60625	801.60625	Canada	General Use
419-420	771.61875	801.61875	Canada	General Use
421-422	771.63125	801.63125	Canada	General Use
423-424	771.64375	801.64375	Canada	General Use
425-426	771.65625	801.65625	Canada	General Use
427-428	771.66875	801.66875	Canada	General Use
429-430	771.68125	801.68125	Canada	General Use
431-432	771.69375	801.69375	Canada	General Use
433-434	771.70625	801.70625	Canada	General Use
435-436	771.71875	801.71875	Canada	General Use
437-438	771.73125	801.73125	Canada	General Use
439-440	771.74375	801.74375	Canada	General Use
441-442	771.75625	801.75625	Canada	General Use
443-444	771.76875	801.76875	Canada	General Use
445-446	771.78125	801.78125	Canada	General Use
447-448	771.79375	801.79375	Canada	General Use
449-450	771.80625	801.80625	Canada	General Use
451-452	771.81875	801.81875	Canada	General Use
453-454	771.83125	801.83125	Canada	General Use
455-456	771.84375	801.84375	Canada	General Use
457-458	771.85625	801.85625	Canada	General Use
459-460	771.86875	801.86875	Canada	General Use
461-462	771.88125	801.88125	Canada	General Use
463-464	771.89375	801.89375	Canada	General Use
465-466	771.90625	801.90625	Canada	General Use
467-468	771.91875	801.91875	Canada	General Use
469-470	771.93125	801.93125	Canada	General Use
471-472	771.94375	801.94375	Canada	General Use
473-474	771.95625	801.95625	Canada	General Use
475-476	771.96875	801.96875	Canada	General Use
477-478	771.98125	801.98125	Canada	General Use
479-480	771.99375	801.99375	Canada	General Use
481-482	772.00625	802.00625	Canada	General Use
483-484	772.01875	802.01875	Canada	General Use
485-486	772.03125	802.03125	Canada	General Use
487-488	772.04375	802.04375	Canada	General Use

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
489-490	772.05625	802.05625	Canada	General Use
491-492	772.06875	802.06875	Canada	General Use
493-494	772.08125	802.08125	Canada	General Use
495-496	772.09375	802.09375	Canada	General Use
497-498	772.10625	802.10625	Canada	General Use
499-500	772.11875	802.11875	Canada	General Use
501-502	772.13125	802.13125	Canada	General Use
503-504	772.14375	802.14375	Canada	General Use
505-506	772.15625	802.15625	Canada	General Use
507-508	772.16875	802.16875	Canada	General Use
509-510	772.18125	802.18125	Canada	General Use
511-512	772.19375	802.19375	Canada	General Use
513-514	772.20625	802.20625	Canada	General Use
515-516	772.21875	802.21875	Canada	General Use
517-518	772.23125	802.23125	Canada	General Use
519-520	772.24375	802.24375	Canada	General Use
521-522	772.25625	802.25625	Canada	General Use
523-524	772.26875	802.26875	Canada	General Use
525-526	772.28125	802.28125	Canada	General Use
527-528	772.29375	802.29375	Canada	General Use
529-530	772.30625	802.30625	Canada	General Use
531-532	772.31875	802.31875	Canada	General Use
533-534	772.33125	802.33125	Canada	General Use
535-536	772.34375	802.34375	Canada	General Use
537-538	772.35625	802.35625	Canada	General Use
539-540	772.36875	802.36875	Canada	General Use
541-542	772.38125	802.38125	Canada	General Use
543-544	772.39375	802.39375	Canada	General Use
545-546	772.40625	802.40625	Canada	General Use
547-548	772.41875	802.41875	Canada	General Use
549-550	772.43125	802.43125	Canada	General Use
551-552	772.44375	802.44375	Canada	General Use
553-554	772.45625	802.45625	Canada	General Use
555-556	772.46875	802.46875	Canada	General Use
557-558	772.48125	802.48125	Canada	General Use
559-560	772.49375	802.49375	Canada	General Use
561-562	772.50625	802.50625	Canada	General Use
563-564	772.51875	802.51875	Canada	General Use
565-566	772.53125	802.53125	Canada	General Use
567-568	772.54375	802.54375	Canada	General Use
569-570	772.55625	802.55625	Canada	General Use

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
571-572	772.56875	802.56875	Canada	General Use
573-574	772.58125	802.58125	Canada	General Use
575-576	772.59375	802.59375	Canada	General Use
577-578	772.60625	802.60625	Canada	General Use
579-580	772.61875	802.61875	Canada	General Use
581-582	772.63125	802.63125	Canada	General Use
583-584	772.64375	802.64375	Canada	General Use
585-586	772.65625	802.65625	Canada	General Use
587-588	772.66875	802.66875	Canada	General Use
589-590	772.68125	802.68125	Canada	General Use
591-592	772.69375	802.69375	Canada	General Use
593-594	772.70625	802.70625	Canada	General Use
595-596	772.71875	802.71875	Canada	General Use
597-598	772.73125	802.73125	Canada	General Use
599-600	772.74375	802.74375	Canada	General Use
601-602	772.75625	802.75625	Canada	General Use
603-604	772.76875	802.76875	Canada	General Use
605-606	772.78125	802.78125	Canada	General Use
607-608	772.79375	802.79375	Canada	General Use
609-610	772.80625	802.80625	Canada	General Use
611-612	772.81875	802.81875	Canada	General Use
613-614	772.83125	802.83125	Canada	General Use
615-616	772.84375	802.84375	Canada	General Use
617-618	772.85625	802.85625	Canada	General Use
619-620	772.86875	802.86875	Canada	General Use
621-622	772.88125	802.88125	Canada	General Use
623-624	772.89375	802.89375	Canada	General Use
625-626	772.90625	802.90625	Canada	General Use
627-628	772.91875	802.91875	Canada	General Use
629-630	772.93125	802.93125	Canada	General Use
631-632	772.94375	802.94375	Canada	General Use
633-634	772.95625	802.95625	Canada	General Use
635-636	772.96875	802.96875	USA	General Use
637-638	772.98125	802.98125	USA	General Use
639-640	772.99375	802.99375	USA	General Use
641-642	773.00625	803.00625	US/Canada Shared I/O	Interoperability
643-644	773.01875	803.01875	Canada	General Use R43 Reserve
645-646	773.03125	803.03125	Canada	State License
647-648	773.04375	803.04375	Canada	State License
649-650	773.05625	803.05625	Canada	State License
651-652	773.06875	803.06875	Canada	State License

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
653-654	773.08125	803.08125	Canada	State License
655-656	773.09375	803.09375	Canada	State License
657-658	773.10625	803.10625	US/Canada Shared I/O	Interoperability
659-660	773.11875	803.11875	Canada	Air to Ground
661-662	773.13125	803.13125	USA	General Use
663-664	773.14375	803.14375	USA	General Use
665-666	773.15625	803.15625	USA	General Use
667-668	773.16875	803.16875	USA	General Use
669-670	773.18125	803.18125	USA	General Use
671-672	773.19375	803.19375	USA	General Use
673-674	773.20625	803.20625	USA	General Use
675-676	773.21875	803.21875	USA	General Use
677-678	773.23125	803.23125	USA	General Use
679-680	773.24375	803.24375	USA	General Use
681-682	773.25625	803.25625	US/Canada Shared I/O	I/O Nationwide Call
683-684	773.26875	803.26875	Canada	General Use R43 Reserve
685-686	773.28125	803.28125	Canada	State License
687-688	773.29375	803.29375	Canada	State License
689-690	773.30625	803.30625	Canada	State License
691-692	773.31875	803.31875	Canada	State License
693-694	773.33125	803.33125	Canada	State License
695-696	773.34375	803.34375	Canada	State License
697-698	773.35625	803.35625	US/Canada Shared I/O	Interoperability
699-700	773.36875	803.36875	Canada	General Use R43 Reserve
701-702	773.38125	803.38125	USA	General Use
703-704	773.39375	803.39375	USA	General Use
705-706	773.40625	803.40625	USA	General Use
707-708	773.41875	803.41875	USA	General Use
709-710	773.43125	803.43125	USA	General Use
711-712	773.44375	803.44375	USA	General Use
713-714	773.45625	803.45625	USA	General Use
715-716	773.46875	803.46875	USA	General Use
717-718	773.48125	803.48125	USA	General Use
719-720	773.49375	803.49375	USA	General Use
721-722	773.50625	803.50625	US/Canada Shared I/O	Interoperability
723-724	773.51875	803.51875	Canada	General Use R43 Reserve
725-726	773.53125	803.53125	Canada	State License
727-728	773.54375	803.54375	Canada	State License
729-730	773.55625	803.55625	Canada	State License
731-732	773.56875	803.56875	Canada	State License
733-734	773.58125	803.58125	Canada	State License

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
735-736	773.59375	803.59375	Canada	State License
737-738	773.60625	803.60625	US/Canada Shared I/O	Interoperability
739-740	773.61875	803.61875	Canada	Air to Ground
741-742	773.63125	803.63125	USA	General Use
743-744	773.64375	803.64375	USA	General Use
745-746	773.65625	803.65625	USA	General Use
747-748	773.66875	803.66875	USA	General Use
749-750	773.68125	803.68125	USA	General Use
751-752	773.69375	803.69375	USA	General Use
753-754	773.70625	803.70625	USA	General Use
755-756	773.71875	803.71875	USA	General Use
757-758	773.73125	803.73125	USA	General Use
759-760	773.74375	803.74375	USA	General Use
761-762	773.75625	803.75625	US/Canada Shared I/O	Interoperability
763-764	773.76875	803.76875	Canada	General Use R43 Reserve
765-766	773.78125	803.78125	Canada	State License
767-768	773.79375	803.79375	Canada	State License
769-770	773.80625	803.80625	Canada	State License
771-772	773.81875	803.81875	Canada	State License
773-774	773.83125	803.83125	Canada	State License
775-776	773.84375	803.84375	Canada	State License
777-778	773.85625	803.85625	US/Canada Shared I/O	Interoperability
779-780	773.86875	803.86875	Canada	General Use R43 Reserve
781-782	773.88125	803.88125	USA	General Use
783-784	773.89375	803.89375	USA	General Use
785-786	773.90625	803.90625	USA	General Use
787-788	773.91875	803.91875	USA	General Use
789-790	773.93125	803.93125	USA	General Use
791-792	773.94375	803.94375	USA	General Use
793-794	773.95625	803.95625	USA	General Use
795-796	773.96875	803.96875	USA	General Use
797-798	773.98125	803.98125	USA	General Use
799-800	773.99375	803.99375	USA	General Use
801-802	774.00625	804.00625	US/Canada Shared I/O	Interoperability
803-804	774.01875	804.01875	USA	General Use R43 Reserve
805-806	774.03125	804.03125	USA	State License
807-808	774.04375	804.04375	USA	State License
809-810	774.05625	804.05625	USA	State License
811-812	774.06875	804.06875	USA	State License
813-814	774.08125	804.08125	USA	State License
815-816	774.09375	804.09375	USA	State License

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
817-818	774.10625	804.10625	US/Canada Shared I/O	Interoperability
819-820	774.11875	804.11875	USA	Air to Ground
821-822	774.13125	804.13125	USA	General Use
823-824	774.14375	804.14375	USA	General Use
825-826	774.15625	804.15625	USA	General Use
827-828	774.16875	804.16875	USA	General Use
829-830	774.18125	804.18125	USA	General Use
831-832	774.19375	804.19375	USA	General Use
833-834	774.20625	804.20625	USA	General Use
835-836	774.21875	804.21875	USA	General Use
837-838	774.23125	804.23125	USA	General Use
839-840	774.24375	804.24375	USA	General Use
841-842	774.25625	804.25625	US/Canada Shared I/O	Interoperability
843-844	774.26875	804.26875	USA	General Use R43 Reserve
845-846	774.28125	804.28125	USA	State License
847-848	774.29375	804.29375	USA	State License
849-850	774.30625	804.30625	USA	State License
851-852	774.31875	804.31875	USA	State License
853-854	774.33125	804.33125	USA	State License
855-856	774.34375	804.34375	USA	State License
857-858	774.35625	804.35625	USA	Interoperability
859-860	774.36875	804.36875	USA	General Use R43 Reserve
861-862	774.38125	804.38125	USA	General Use
863-864	774.39375	804.39375	USA	General Use
865-866	774.40625	804.40625	USA	General Use
867-868	774.41875	804.41875	USA	General Use
869-870	774.43125	804.43125	USA	General Use
871-872	774.44375	804.44375	USA	General Use
873-874	774.45625	804.45625	USA	General Use
875-876	774.46875	804.46875	USA	General Use
877-878	774.48125	804.48125	USA	General Use
879-880	774.49375	804.49375	USA	General Use
881-882	774.50625	804.50625	US/Canada Shared I/O	Interoperability
883-884	774.51875	804.51875	USA	General Use-D
885-886	774.53125	804.53125	USA	State License
887-888	774.54375	804.54375	USA	State License
889-890	774.55625	804.55625	USA	State License
891-892	774.56875	804.56875	USA	State License
893-894	774.58125	804.58125	USA	State License
895-896	774.59375	804.59375	USA	State License
897-898	774.60625	804.60625	US/Canada Shared I/O	Interoperability

Channel	Base Center Freq	Mobile Center Freq	Primary Use	Class
899-900	774.61875	804.61875	USA	Air to Ground
901-902	774.63125	804.63125	USA	General Use
903-904	774.64375	804.64375	USA	General Use
905-906	774.65625	804.65625	USA	General Use
907-908	774.66875	804.66875	USA	General Use
909-910	774.68125	804.68125	USA	General Use
911-912	774.69375	804.69375	USA	General Use
913-914	774.70625	804.70625	USA	General Use
915-916	774.71875	804.71875	USA	General Use
917-918	774.73125	804.73125	USA	General Use
919-920	774.74375	804.74375	USA	General Use
921-922	774.75625	804.75625	US/Canada Shared I/O	I/O Low Speed Data
923-924	774.76875	804.76875	USA	General Use R43 Reserve
925-926	774.78125	804.78125	USA	State License
927-928	774.79375	804.79375	USA	State License
929-930	774.80625	804.80625	USA	State License
931-932	774.81875	804.81875	USA	State License
933-934	774.83125	804.83125	USA	State License
935-936	774.84375	804.84375	USA	State License
937-938	774.85625	804.85625	US/Canada Shared I/O	Interoperability
939-940	774.86875	804.86875	USA	General Use-D
941-942	774.88125	804.88125	USA	General Use
943-944	774.89375	804.89375	USA	General Use
945-946	774.90625	804.90625	USA	General Use
947-948	774.91875	804.91875	USA	General Use
949-950	774.93125	804.93125	Not Assigned	Low Power
951-952	774.94375	804.94375	Not Assigned	Low Power
953-954	774.95625	804.95625	Not Assigned	Low Power
955-956	774.96875	804.96875	Not Assigned	Low Power
957-958	774.98125	804.98125	Not Assigned	Low Power
959-960	774.99375	804.99375	Not Assigned	Low Power

Appendix F – Channel Block Assignments by County

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Adams	337-338	771.10625	801.10625	Canada	General Use
Adams	339-340	771.11875	801.11875	Canada	General Use
Adams	413-414	771.58125	801.58125	Canada	General Use
Adams	415-416	771.59375	801.59375	Canada	General Use
Adams	469-470	771.93125	801.93125	Canada	General Use
Adams	471-472	771.94375	801.94375	Canada	General Use
Adams	525-526	772.28125	802.28125	Canada	General Use
Adams	527-528	772.29375	802.29375	Canada	General Use
Adams	613-614	772.83125	802.83125	Canada	General Use
Adams	615-616	772.84375	802.84375	Canada	General Use
Adams	829-830	774.18125	804.18125	USA	General Use
Adams	831-832	774.19375	804.19375	USA	General Use
Adams	913-914	774.70625	804.70625	USA	General Use
Adams	915-916	774.71875	804.71875	USA	General Use
Asotin	161-162	770.00625	800.00625	USA	General Use
Asotin	163-164	770.01875	800.01875	USA	General Use
Asotin	209-210	770.30625	800.30625	USA	General Use
Asotin	211-212	770.31875	800.31875	USA	General Use
Asotin	281-282	770.75625	800.75625	USA	General Use
Asotin	283-284	770.76875	800.76875	USA	General Use
Asotin	337-338	771.10625	801.10625	Canada	General Use
Asotin	339-340	771.11875	801.11875	Canada	General Use
Asotin	385-386	771.40625	801.40625	Canada	General Use
Asotin	387-388	771.41875	801.41875	Canada	General Use
Asotin	445-446	771.78125	801.78125	Canada	General Use
Asotin	447-448	771.79375	801.79375	Canada	General Use
Asotin	501-502	772.13125	802.13125	Canada	General Use
Asotin	503-504	772.14375	802.14375	Canada	General Use
Asotin	569-570	772.55625	802.55625	Canada	General Use
Asotin	571-572	772.56875	802.56875	Canada	General Use
Asotin	617-618	772.85625	802.85625	Canada	General Use
Asotin	619-620	772.86875	802.86875	Canada	General Use
Asotin	705-706	773.40625	803.40625	USA	General Use
Asotin	707-708	773.41875	803.41875	USA	General Use
Asotin	825-826	774.15625	804.15625	USA	General Use
Asotin	827-828	774.16875	804.16875	USA	General Use
Asotin	873-874	774.45625	804.45625	USA	General Use
Asotin	875-876	774.46875	804.46875	USA	General Use
Asotin	913-914	774.70625	804.70625	USA	General Use
Asotin	915-916	774.71875	804.71875	USA	General Use
Benton	41-42	769.25625	799.25625	USA	General Use
Benton	43-44	769.26875	799.26875	USA	General Use
Benton	81-82	769.50625	799.50625	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Benton	83-84	769.51875	799.51875	USA	General Use
Benton	121-122	769.75625	799.75625	USA	General Use
Benton	123-124	769.76875	799.76875	USA	General Use
Benton	161-162	770.00625	800.00625	USA	General Use
Benton	163-164	770.01875	800.01875	USA	General Use
Benton	217-218	770.35625	800.35625	USA	General Use
Benton	219-220	770.36875	800.36875	USA	General Use
Benton	257-258	770.60625	800.60625	USA	General Use
Benton	259-260	770.61875	800.61875	USA	General Use
Benton	297-298	770.85625	800.85625	USA	General Use
Benton	299-300	770.86875	800.86875	USA	General Use
Benton	357-358	771.23125	801.23125	Canada	General Use
Benton	359-360	771.24375	801.24375	Canada	General Use
Benton	405-406	771.53125	801.53125	Canada	General Use
Benton	407-408	771.54375	801.54375	Canada	General Use
Benton	445-446	771.78125	801.78125	Canada	General Use
Benton	447-448	771.79375	801.79375	Canada	General Use
Benton	497-498	772.10625	802.10625	Canada	General Use
Benton	499-500	772.11875	802.11875	Canada	General Use
Benton	537-538	772.35625	802.35625	Canada	General Use
Benton	539-540	772.36875	802.36875	Canada	General Use
Benton	589-590	772.68125	802.68125	Canada	General Use
Benton	591-592	772.69375	802.69375	Canada	General Use
Benton	661-662	773.13125	803.13125	USA	General Use
Benton	663-664	773.14375	803.14375	USA	General Use
Benton	717-718	773.48125	803.48125	USA	General Use
Benton	719-720	773.49375	803.49375	USA	General Use
Benton	757-758	773.73125	803.73125	USA	General Use
Benton	759-760	773.74375	803.74375	USA	General Use
Benton	823-824	774.14375	804.14375	USA	General Use
Benton	861-862	774.38125	804.38125	USA	General Use
Benton	863-864	774.39375	804.39375	USA	General Use
Benton	901-902	774.63125	804.63125	USA	General Use
Benton	903-904	774.64375	804.64375	USA	General Use
Benton	945-946	774.90625	804.90625	USA	General Use
Benton	947-948	774.91875	804.91875	USA	General Use
Chelan	57-58	769.35625	799.35625	USA	General Use
Chelan	59-60	769.36875	799.36875	USA	General Use
Chelan	97-98	769.60625	799.60625	USA	General Use
Chelan	99-100	769.61875	799.61875	USA	General Use
Chelan	333-334	771.08125	801.08125	Canada	General Use
Chelan	335-336	771.09375	801.09375	Canada	General Use
Chelan	373-374	771.33125	801.33125	Canada	General Use
Chelan	375-376	771.34375	801.34375	Canada	General Use
Chelan	415-416	771.59375	801.59375	Canada	General Use
Chelan	501-502	772.13125	802.13125	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Chelan	503-504	772.14375	802.14375	Canada	General Use
Chelan	561-562	772.50625	802.50625	Canada	General Use
Chelan	563-564	772.51875	802.51875	Canada	General Use
Chelan	601-602	772.75625	802.75625	Canada	General Use
Chelan	603-604	772.76875	802.76875	Canada	General Use
Chelan	829-830	774.18125	804.18125	USA	General Use
Chelan	831-832	774.19375	804.19375	USA	General Use
Chelan	869-870	774.43125	804.43125	USA	General Use
Chelan	871-872	774.44375	804.44375	USA	General Use
Clallam	129-130	769.80625	799.80625	USA	General Use
Clallam	131-132	769.81875	799.81875	USA	General Use
Clallam	169-170	770.05625	800.05625	USA	General Use
Clallam	171-172	770.06875	800.06875	USA	General Use
Clallam	245-246	770.53125	800.53125	USA	General Use
Clallam	247-248	770.54375	800.54375	USA	General Use
Clallam	329-330	771.05625	801.05625	Canada	General Use
Clallam	331-332	771.06875	801.06875	Canada	General Use
Clallam	377-378	771.35625	801.35625	Canada	General Use
Clallam	379-380	771.36875	801.36875	Canada	General Use
Clallam	433-434	771.70625	801.70625	Canada	General Use
Clallam	435-436	771.71875	801.71875	Canada	General Use
Clallam	473-474	771.95625	801.95625	Canada	General Use
Clallam	475-476	771.96875	801.96875	Canada	General Use
Clallam	485-486	772.03125	802.03125	Canada	General Use
Clallam	487-488	772.04375	802.04375	Canada	General Use
Clallam	561-562	772.50625	802.50625	Canada	General Use
Clallam	563-564	772.51875	802.51875	Canada	General Use
Clallam	601-602	772.75625	802.75625	Canada	General Use
Clallam	603-604	772.76875	802.76875	Canada	General Use
Clallam	673-674	773.20625	803.20625	USA	General Use
Clallam	675-676	773.21875	803.21875	USA	General Use
Clallam	825-826	774.15625	804.15625	USA	General Use
Clallam	827-828	774.16875	804.16875	USA	General Use
Clallam	865-866	774.40625	804.40625	USA	General Use
Clallam	867-868	774.41875	804.41875	USA	General Use
Clallam	909-910	774.68125	804.68125	USA	General Use
Clallam	911-912	774.69375	804.69375	USA	General Use
Clark	121-122	769.75625	799.75625	USA	General Use
Clark	123-124	769.76875	799.76875	USA	General Use
Clark	281-282	770.75625	800.75625	USA	General Use
Clark	283-284	770.76875	800.76875	USA	General Use
Clark	333-334	771.08125	801.08125	Canada	General Use
Clark	335-336	771.09375	801.09375	Canada	General Use
Clark	373-374	771.33125	801.33125	Canada	General Use
Clark	375-376	771.34375	801.34375	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Clark	413-414	771.58125	801.58125	Canada	General Use
Clark	415-416	771.59375	801.59375	Canada	General Use
Clark	457-458	771.85625	801.85625	Canada	General Use
Clark	459-460	771.86875	801.86875	Canada	General Use
Clark	497-498	772.10625	802.10625	Canada	General Use
Clark	499-500	772.11875	802.11875	Canada	General Use
Clark	561-562	772.50625	802.50625	Canada	General Use
Clark	563-564	772.51875	802.51875	Canada	General Use
Clark	633-634	772.95625	802.95625	Canada	General Use
Clark	635-636	772.96875	802.96875	USA	General Use
Clark	749-750	773.68125	803.68125	USA	General Use
Clark	751-752	773.69375	803.69375	USA	General Use
Clark	833-834	774.20625	804.20625	USA	General Use
Clark	835-836	774.21875	804.21875	USA	General Use
Clark	873-874	774.45625	804.45625	USA	General Use
Clark	875-876	774.46875	804.46875	USA	General Use
Columbia	129-130	769.80625	799.80625	USA	General Use
Columbia	131-132	769.81875	799.81875	USA	General Use
Columbia	321-322	771.00625	801.00625	USA	General Use
Columbia	323-324	771.01875	801.01875	USA	General Use
Columbia	369-370	771.30625	801.30625	Canada	General Use
Columbia	371-372	771.31875	801.31875	Canada	General Use
Columbia	409-410	771.55625	801.55625	Canada	General Use
Columbia	411-412	771.56875	801.56875	Canada	General Use
Columbia	521-522	772.25625	802.25625	Canada	General Use
Columbia	523-524	772.26875	802.26875	Canada	General Use
Columbia	941-942	774.88125	804.88125	USA	General Use
Columbia	943-944	774.89375	804.89375	USA	General Use
Cowlitz	17-18	769.10625	799.10625	USA	General Use
Cowlitz	19-20	769.11875	799.11875	USA	General Use
Cowlitz	241-242	770.50625	800.50625	USA	General Use
Cowlitz	243-244	770.51875	800.51875	USA	General Use
Cowlitz	385-386	771.40625	801.40625	Canada	General Use
Cowlitz	387-388	771.41875	801.41875	Canada	General Use
Cowlitz	449-450	771.80625	801.80625	Canada	General Use
Cowlitz	451-452	771.81875	801.81875	Canada	General Use
Cowlitz	485-486	772.03125	802.03125	Canada	General Use
Cowlitz	487-488	772.04375	802.04375	Canada	General Use
Cowlitz	525-526	772.28125	802.28125	Canada	General Use
Cowlitz	527-528	772.29375	802.29375	Canada	General Use
Cowlitz	581-582	772.63125	802.63125	Canada	General Use
Cowlitz	583-584	772.64375	802.64375	Canada	General Use
Cowlitz	673-674	773.20625	803.20625	USA	General Use
Cowlitz	675-676	773.21875	803.21875	USA	General Use
Cowlitz	713-714	773.45625	803.45625	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Cowlitz	715-716	773.46875	803.46875	USA	General Use
Cowlitz	793-794	773.95625	803.95625	USA	General Use
Cowlitz	795-796	773.96875	803.96875	USA	General Use
Cowlitz	913-914	774.70625	804.70625	USA	General Use
Cowlitz	915-916	774.71875	804.71875	USA	General Use
Douglas	125-126	769.78125	799.78125	USA	General Use
Douglas	127-128	769.79375	799.79375	USA	General Use
Douglas	165-166	770.03125	800.03125	USA	General Use
Douglas	167-168	770.04375	800.04375	USA	General Use
Douglas	341-342	771.13125	801.13125	Canada	General Use
Douglas	343-344	771.14375	801.14375	Canada	General Use
Douglas	401-402	771.50625	801.50625	Canada	General Use
Douglas	403-404	771.51875	801.51875	Canada	General Use
Douglas	465-466	771.90625	801.90625	Canada	General Use
Douglas	467-468	771.91875	801.91875	Canada	General Use
Douglas	529-530	772.30625	802.30625	Canada	General Use
Douglas	531-532	772.31875	802.31875	Canada	General Use
Douglas	621-622	772.88125	802.88125	Canada	General Use
Douglas	623-624	772.89375	802.89375	Canada	General Use
Douglas	701-702	773.38125	803.38125	USA	General Use
Douglas	703-704	773.39375	803.39375	USA	General Use
Douglas	749-750	773.68125	803.68125	USA	General Use
Douglas	751-752	773.69375	803.69375	USA	General Use
Douglas	941-942	774.88125	804.88125	USA	General Use
Douglas	943-944	774.89375	804.89375	USA	General Use
Ferry	17-18	769.10625	799.10625	USA	General Use
Ferry	19-20	769.11875	799.11875	USA	General Use
Ferry	289-290	770.80625	800.80625	USA	General Use
Ferry	291-292	770.81875	800.81875	USA	General Use
Ferry	349-350	771.18125	801.18125	Canada	General Use
Ferry	351-352	771.19375	801.19375	Canada	General Use
Ferry	417-418	771.60625	801.60625	Canada	General Use
Ferry	419-420	771.61875	801.61875	Canada	General Use
Ferry	457-458	771.85625	801.85625	Canada	General Use
Ferry	459-460	771.86875	801.86875	Canada	General Use
Ferry	505-506	772.15625	802.15625	Canada	General Use
Ferry	507-508	772.16875	802.16875	Canada	General Use
Ferry	561-562	772.50625	802.50625	Canada	General Use
Ferry	563-564	772.51875	802.51875	Canada	General Use
Ferry	609-610	772.80625	802.80625	Canada	General Use
Ferry	611-612	772.81875	802.81875	Canada	General Use
Ferry	661-662	773.13125	803.13125	USA	General Use
Ferry	663-664	773.14375	803.14375	USA	General Use
Ferry	717-718	773.48125	803.48125	USA	General Use
Ferry	719-720	773.49375	803.49375	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Ferry	825-826	774.15625	804.15625	USA	General Use
Ferry	827-828	774.16875	804.16875	USA	General Use
Ferry	901-902	774.63125	804.63125	USA	General Use
Ferry	903-904	774.64375	804.64375	USA	General Use
Franklin	13-14	769.08125	799.08125	USA	General Use
Franklin	15-16	769.09375	799.09375	USA	General Use
Franklin	173-174	770.08125	800.08125	USA	General Use
Franklin	175-176	770.09375	800.09375	USA	General Use
Franklin	345-346	771.15625	801.15625	Canada	General Use
Franklin	347-348	771.16875	801.16875	Canada	General Use
Franklin	393-394	771.45625	801.45625	Canada	General Use
Franklin	395-396	771.46875	801.46875	Canada	General Use
Franklin	437-438	771.73125	801.73125	Canada	General Use
Franklin	439-440	771.74375	801.74375	Canada	General Use
Franklin	489-490	772.05625	802.05625	Canada	General Use
Franklin	491-492	772.06875	802.06875	Canada	General Use
Franklin	565-566	772.53125	802.53125	Canada	General Use
Franklin	567-568	772.54375	802.54375	Canada	General Use
Franklin	605-606	772.78125	802.78125	Canada	General Use
Franklin	607-608	772.79375	802.79375	Canada	General Use
Franklin	677-678	773.23125	803.23125	USA	General Use
Franklin	679-680	773.24375	803.24375	USA	General Use
Franklin	741-742	773.63125	803.63125	USA	General Use
Franklin	743-744	773.64375	803.64375	USA	General Use
Franklin	793-794	773.95625	803.95625	USA	General Use
Franklin	795-796	773.96875	803.96875	USA	General Use
Franklin	869-870	774.43125	804.43125	USA	General Use
Franklin	871-872	774.44375	804.44375	USA	General Use
Garfield	53-54	769.33125	799.33125	USA	General Use
Garfield	55-56	769.34375	799.34375	USA	General Use
Garfield	241-242	770.50625	800.50625	USA	General Use
Garfield	243-244	770.51875	800.51875	USA	General Use
Garfield	329-330	771.05625	801.05625	Canada	General Use
Garfield	331-332	771.06875	801.06875	Canada	General Use
Garfield	429-430	771.68125	801.68125	Canada	General Use
Garfield	431-432	771.69375	801.69375	Canada	General Use
Garfield	493-494	772.08125	802.08125	Canada	General Use
Garfield	495-496	772.09375	802.09375	Canada	General Use
Garfield	577-578	772.60625	802.60625	Canada	General Use
Garfield	579-580	772.61875	802.61875	Canada	General Use
Garfield	865-866	774.40625	804.40625	USA	General Use
Garfield	867-868	774.41875	804.41875	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Grant	49-50	769.30625	799.30625	USA	General Use
Grant	51-52	769.31875	799.31875	USA	General Use
Grant	89-90	769.55625	799.55625	USA	General Use
Grant	91-92	769.56875	799.56875	USA	General Use
Grant	137-138	769.85625	799.85625	USA	General Use
Grant	139-140	769.86875	799.86875	USA	General Use
Grant	201-202	770.25625	800.25625	USA	General Use
Grant	203-204	770.26875	800.26875	USA	General Use
Grant	241-242	770.50625	800.50625	USA	General Use
Grant	243-244	770.51875	800.51875	USA	General Use
Grant	281-282	770.75625	800.75625	USA	General Use
Grant	283-284	770.76875	800.76875	USA	General Use
Grant	321-322	771.00625	801.00625	USA	General Use
Grant	323-324	771.01875	801.01875	USA	General Use
Grant	381-382	771.38125	801.38125	Canada	General Use
Grant	383-384	771.39375	801.39375	Canada	General Use
Grant	425-426	771.65625	801.65625	Canada	General Use
Grant	427-428	771.66875	801.66875	Canada	General Use
Grant	477-478	771.98125	801.98125	Canada	General Use
Grant	479-480	771.99375	801.99375	Canada	General Use
Grant	481-482	772.00625	802.00625	Canada	General Use
Grant	483-484	772.01875	802.01875	Canada	General Use
Grant	549-550	772.43125	802.43125	Canada	General Use
Grant	551-552	772.44375	802.44375	Canada	General Use
Grant	629-630	772.93125	802.93125	Canada	General Use
Grant	631-632	772.94375	802.94375	Canada	General Use
Grant	669-670	773.18125	803.18125	USA	General Use
Grant	671-672	773.19375	803.19375	USA	General Use
Grant	709-710	773.43125	803.43125	USA	General Use
Grant	711-712	773.44375	803.44375	USA	General Use
Grant	781-782	773.88125	803.88125	USA	General Use
Grant	783-784	773.89375	803.89375	USA	General Use
Grant	837-838	774.23125	804.23125	USA	General Use
Grant	839-840	774.24375	804.24375	USA	General Use
Grant	877-878	774.48125	804.48125	USA	General Use
Grant	879-880	774.49375	804.49375	USA	General Use
Grays Harbor	57-58	769.35625	799.35625	USA	General Use
Grays Harbor	59-60	769.36875	799.36875	USA	General Use
Grays Harbor	97-98	769.60625	799.60625	USA	General Use
Grays Harbor	99-100	769.61875	799.61875	USA	General Use
Grays Harbor	173-174	770.08125	800.08125	USA	General Use
Grays Harbor	175-176	770.09375	800.09375	USA	General Use
Grays Harbor	213-214	770.33125	800.33125	USA	General Use
Grays Harbor	215-216	770.34375	800.34375	USA	General Use
Grays Harbor	253-254	770.58125	800.58125	USA	General Use
Grays Harbor	255-256	770.59375	800.59375	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Grays Harbor	293-294	770.83125	800.83125	USA	General Use
Grays Harbor	295-296	770.84375	800.84375	USA	General Use
Grays Harbor	345-346	771.15625	801.15625	Canada	General Use
Grays Harbor	347-348	771.16875	801.16875	Canada	General Use
Grays Harbor	429-430	771.68125	801.68125	Canada	General Use
Grays Harbor	431-432	771.69375	801.69375	Canada	General Use
Grays Harbor	509-510	772.18125	802.18125	Canada	General Use
Grays Harbor	511-512	772.19375	802.19375	Canada	General Use
Grays Harbor	553-554	772.45625	802.45625	Canada	General Use
Grays Harbor	555-556	772.46875	802.46875	Canada	General Use
Grays Harbor	593-594	772.70625	802.70625	Canada	General Use
Grays Harbor	595-596	772.71875	802.71875	Canada	General Use
Grays Harbor	633-634	772.95625	802.95625	Canada	General Use
Grays Harbor	635-636	772.96875	802.96875	USA	General Use
Grays Harbor	873-874	774.45625	804.45625	USA	General Use
Grays Harbor	875-876	774.46875	804.46875	USA	General Use
Island	205-206	770.28125	800.28125	USA	General Use
Island	207-208	770.29375	800.29375	USA	General Use
Island	285-286	770.78125	800.78125	USA	General Use
Island	287-288	770.79375	800.79375	USA	General Use
Island	357-358	771.23125	801.23125	Canada	General Use
Island	359-360	771.24375	801.24375	Canada	General Use
Island	409-410	771.55625	801.55625	Canada	General Use
Island	411-412	771.56875	801.56875	Canada	General Use
Island	449-450	771.80625	801.80625	Canada	General Use
Island	451-452	771.81875	801.81875	Canada	General Use
Island	509-510	772.18125	802.18125	Canada	General Use
Island	511-512	772.19375	802.19375	Canada	General Use
Island	557-558	772.48125	802.48125	Canada	General Use
Island	559-560	772.49375	802.49375	Canada	General Use
Island	597-598	772.73125	802.73125	Canada	General Use
Island	599-600	772.74375	802.74375	Canada	General Use
Island	637-638	772.98125	802.98125	USA	General Use
Island	639-640	772.99375	802.99375	USA	General Use
Island	785-786	773.90625	803.90625	USA	General Use
Island	787-788	773.91875	803.91875	USA	General Use
Jefferson	49-50	769.30625	799.30625	USA	General Use
Jefferson	51-52	769.31875	799.31875	USA	General Use
Jefferson	365-366	771.28125	801.28125	Canada	General Use
Jefferson	367-368	771.29375	801.29375	Canada	General Use
Jefferson	441-442	771.75625	801.75625	Canada	General Use
Jefferson	443-444	771.76875	801.76875	Canada	General Use
Jefferson	501-502	772.13125	802.13125	Canada	General Use
Jefferson	503-504	772.14375	802.14375	Canada	General Use
Jefferson	545-546	772.40625	802.40625	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Jefferson	547-548	772.41875	802.41875	Canada	General Use
Jefferson	585-586	772.65625	802.65625	Canada	General Use
Jefferson	587-588	772.66875	802.66875	Canada	General Use
Jefferson	625-626	772.90625	802.90625	Canada	General Use
Jefferson	627-628	772.91875	802.91875	Canada	General Use
Jefferson	713-714	773.45625	803.45625	USA	General Use
Jefferson	715-716	773.46875	803.46875	USA	General Use
King	41-42	769.25625	799.25625	USA	General Use
King	43-44	769.26875	799.26875	USA	General Use
King	81-82	769.50625	799.50625	USA	General Use
King	83-84	769.51875	799.51875	USA	General Use
King	121-122	769.75625	799.75625	USA	General Use
King	123-124	769.76875	799.76875	USA	General Use
King	161-162	770.00625	800.00625	USA	General Use
King	163-164	770.01875	800.01875	USA	General Use
King	201-202	770.25625	800.25625	USA	General Use
King	203-204	770.26875	800.26875	USA	General Use
King	241-242	770.50625	800.50625	USA	General Use
King	243-244	770.51875	800.51875	USA	General Use
King	281-282	770.75625	800.75625	USA	General Use
King	283-284	770.76875	800.76875	USA	General Use
King	321-322	771.00625	801.00625	USA	General Use
King	323-324	771.01875	801.01875	USA	General Use
King	361-362	771.25625	801.25625	Canada	General Use
King	363-364	771.26875	801.26875	Canada	General Use
King	405-406	771.53125	801.53125	Canada	General Use
King	407-408	771.54375	801.54375	Canada	General Use
King	477-478	771.98125	801.98125	Canada	General Use
King	479-480	771.99375	801.99375	Canada	General Use
King	481-482	772.00625	802.00625	Canada	General Use
King	483-484	772.01875	802.01875	Canada	General Use
King	541-542	772.38125	802.38125	Canada	General Use
King	543-544	772.39375	802.39375	Canada	General Use
King	581-582	772.63125	802.63125	Canada	General Use
King	583-584	772.64375	802.64375	Canada	General Use
King	621-622	772.88125	802.88125	Canada	General Use
King	623-624	772.89375	802.89375	Canada	General Use
King	661-662	773.13125	803.13125	USA	General Use
King	663-664	773.14375	803.14375	USA	General Use
King	701-702	773.38125	803.38125	USA	General Use
King	703-704	773.39375	803.39375	USA	General Use
King	741-742	773.63125	803.63125	USA	General Use
King	743-744	773.64375	803.64375	USA	General Use
King	781-782	773.88125	803.88125	USA	General Use
King	783-784	773.89375	803.89375	USA	General Use
King	821-822	774.13125	804.13125	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
King	823-824	774.14375	804.14375	USA	General Use
King	861-862	774.38125	804.38125	USA	General Use
King	863-864	774.39375	804.39375	USA	General Use
King	901-902	774.63125	804.63125	USA	General Use
King	903-904	774.64375	804.64375	USA	General Use
King	945-946	774.90625	804.90625	USA	General Use
King	947-948	774.91875	804.91875	USA	General Use
Kitsap	333-334	771.08125	801.08125	Canada	General Use
Kitsap	335-336	771.09375	801.09375	Canada	General Use
Kitsap	373-374	771.33125	801.33125	Canada	General Use
Kitsap	375-376	771.34375	801.34375	Canada	General Use
Kitsap	421-422	771.63125	801.63125	Canada	General Use
Kitsap	423-424	771.64375	801.64375	Canada	General Use
Kitsap	525-526	772.28125	802.28125	Canada	General Use
Kitsap	527-528	772.29375	802.29375	Canada	General Use
Kitsap	565-566	772.53125	802.53125	Canada	General Use
Kitsap	567-568	772.54375	802.54375	Canada	General Use
Kitsap	605-606	772.78125	802.78125	Canada	General Use
Kitsap	607-608	772.79375	802.79375	Canada	General Use
Kitsap	829-830	774.18125	804.18125	USA	General Use
Kitsap	831-832	774.19375	804.19375	USA	General Use
Kitsap	869-870	774.43125	804.43125	USA	General Use
Kitsap	871-872	774.44375	804.44375	USA	General Use
Kittitas	349-350	771.18125	801.18125	Canada	General Use
Kittitas	351-352	771.19375	801.19375	Canada	General Use
Kittitas	389-390	771.43125	801.43125	Canada	General Use
Kittitas	391-392	771.44375	801.44375	Canada	General Use
Kittitas	453-454	771.83125	801.83125	Canada	General Use
Kittitas	455-456	771.84375	801.84375	Canada	General Use
Kittitas	521-522	772.25625	802.25625	Canada	General Use
Kittitas	523-524	772.26875	802.26875	Canada	General Use
Kittitas	569-570	772.55625	802.55625	Canada	General Use
Kittitas	571-572	772.56875	802.56875	Canada	General Use
Kittitas	609-610	772.80625	802.80625	Canada	General Use
Kittitas	611-612	772.81875	802.81875	Canada	General Use
Kittitas	789-790	773.93125	803.93125	USA	General Use
Kittitas	791-792	773.94375	803.94375	USA	General Use
Klickitat	49-50	769.30625	799.30625	USA	General Use
Klickitat	51-52	769.31875	799.31875	USA	General Use
Klickitat	337-338	771.10625	801.10625	Canada	General Use
Klickitat	379-380	771.36875	801.36875	Canada	General Use
Klickitat	425-426	771.65625	801.65625	Canada	General Use
Klickitat	427-428	771.66875	801.66875	Canada	General Use
Klickitat	469-470	771.93125	801.93125	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Klickitat	471-472	771.94375	801.94375	Canada	General Use
Klickitat	545-546	772.40625	802.40625	Canada	General Use
Klickitat	547-548	772.41875	802.41875	Canada	General Use
Klickitat	705-706	773.40625	803.40625	USA	General Use
Klickitat	707-708	773.41875	803.41875	USA	General Use
Klickitat	829-830	774.18125	804.18125	USA	General Use
Klickitat	831-832	774.19375	804.19375	USA	General Use
Lewis	357-358	771.23125	801.23125	Canada	General Use
Lewis	359-360	771.24375	801.24375	Canada	General Use
Lewis	409-410	771.55625	801.55625	Canada	General Use
Lewis	411-412	771.56875	801.56875	Canada	General Use
Lewis	473-474	771.95625	801.95625	Canada	General Use
Lewis	475-476	771.96875	801.96875	Canada	General Use
Lewis	517-518	772.23125	802.23125	Canada	General Use
Lewis	519-520	772.24375	802.24375	Canada	General Use
Lewis	573-574	772.58125	802.58125	Canada	General Use
Lewis	575-576	772.59375	802.59375	Canada	General Use
Lewis	613-614	772.83125	802.83125	Canada	General Use
Lewis	615-616	772.84375	802.84375	Canada	General Use
Lewis	745-746	773.65625	803.65625	USA	General Use
Lewis	747-748	773.66875	803.66875	USA	General Use
Lewis	785-786	773.90625	803.90625	USA	General Use
Lewis	787-788	773.91875	803.91875	USA	General Use
Lewis	837-838	774.23125	804.23125	USA	General Use
Lewis	839-840	774.24375	804.24375	USA	General Use
Lewis	941-942	774.88125	804.88125	USA	General Use
Lewis	943-944	774.89375	804.89375	USA	General Use
Lincoln	373-374	771.33125	801.33125	Canada	General Use
Lincoln	375-376	771.34375	801.34375	Canada	General Use
Lincoln	433-434	771.70625	801.70625	Canada	General Use
Lincoln	435-436	771.71875	801.71875	Canada	General Use
Lincoln	493-494	772.08125	802.08125	Canada	General Use
Lincoln	495-496	772.09375	802.09375	Canada	General Use
Lincoln	577-578	772.60625	802.60625	Canada	General Use
Lincoln	579-580	772.61875	802.61875	Canada	General Use
Lincoln	789-790	773.93125	803.93125	USA	General Use
Lincoln	791-792	773.94375	803.94375	USA	General Use
Mason	353-354	771.20625	801.20625	Canada	General Use
Mason	355-356	771.21875	801.21875	Canada	General Use
Mason	397-398	771.48125	801.48125	Canada	General Use
Mason	399-400	771.49375	801.49375	Canada	General Use
Mason	457-458	771.85625	801.85625	Canada	General Use
Mason	459-460	771.86875	801.86875	Canada	General Use
Mason	533-534	772.33125	802.33125	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Mason	535-536	772.34375	802.34375	Canada	General Use
Mason	577-578	772.60625	802.60625	Canada	General Use
Mason	579-580	772.61875	802.61875	Canada	General Use
Mason	617-618	772.85625	802.85625	Canada	General Use
Mason	619-620	772.86875	802.86875	Canada	General Use
Mason	749-750	773.68125	803.68125	USA	General Use
Mason	751-752	773.69375	803.69375	USA	General Use
Okanogan	177-178	770.10625	800.10625	USA	General Use
Okanogan	179-180	770.11875	800.11875	USA	General Use
Okanogan	217-218	770.35625	800.35625	USA	General Use
Okanogan	219-220	770.36875	800.36875	USA	General Use
Okanogan	257-258	770.60625	800.60625	USA	General Use
Okanogan	259-260	770.61875	800.61875	USA	General Use
Okanogan	297-298	770.85625	800.85625	USA	General Use
Okanogan	299-300	770.86875	800.86875	USA	General Use
Okanogan	365-366	771.28125	801.28125	Canada	General Use
Okanogan	367-368	771.29375	801.29375	Canada	General Use
Okanogan	445-446	771.78125	801.78125	Canada	General Use
Okanogan	447-448	771.79375	801.79375	Canada	General Use
Okanogan	537-538	772.35625	802.35625	Canada	General Use
Okanogan	539-540	772.36875	802.36875	Canada	General Use
Okanogan	637-638	772.98125	802.98125	USA	General Use
Okanogan	639-640	772.99375	802.99375	USA	General Use
Okanogan	757-758	773.73125	803.73125	USA	General Use
Okanogan	759-760	773.74375	803.74375	USA	General Use
Okanogan	797-798	773.98125	803.98125	USA	General Use
Okanogan	799-800	773.99375	803.99375	USA	General Use
Okanogan	917-918	774.73125	804.73125	USA	General Use
Okanogan	919-920	774.74375	804.74375	USA	General Use
Pacific	89-90	769.55625	799.55625	USA	General Use
Pacific	91-92	769.56875	799.56875	USA	General Use
Pacific	161-162	770.00625	800.00625	USA	General Use
Pacific	163-164	770.01875	800.01875	USA	General Use
Pacific	321-322	771.00625	801.00625	USA	General Use
Pacific	323-324	771.01875	801.01875	USA	General Use
Pacific	369-370	771.30625	801.30625	Canada	General Use
Pacific	371-372	771.31875	801.31875	Canada	General Use
Pacific	421-422	771.63125	801.63125	Canada	General Use
Pacific	423-424	771.64375	801.64375	Canada	General Use
Pacific	461-462	771.88125	801.88125	Canada	General Use
Pacific	463-464	771.89375	801.89375	Canada	General Use
Pacific	493-494	772.08125	802.08125	Canada	General Use
Pacific	495-496	772.09375	802.09375	Canada	General Use
Pacific	565-566	772.53125	802.53125	Canada	General Use
Pacific	567-568	772.54375	802.54375	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Pacific	605-606	772.78125	802.78125	Canada	General Use
Pacific	607-608	772.79375	802.79375	Canada	General Use
Pacific	669-670	773.18125	803.18125	USA	General Use
Pacific	671-672	773.19375	803.19375	USA	General Use
Pacific	709-710	773.43125	803.43125	USA	General Use
Pacific	711-712	773.44375	803.44375	USA	General Use
Pacific	821-822	774.13125	804.13125	USA	General Use
Pacific	823-824	774.14375	804.14375	USA	General Use
Pacific	901-902	774.63125	804.63125	USA	General Use
Pacific	903-904	774.64375	804.64375	USA	General Use
Pend Oreille	333-334	771.08125	801.08125	Canada	General Use
Pend Oreille	335-336	771.09375	801.09375	Canada	General Use
Pend Oreille	377-378	771.35625	801.35625	Canada	General Use
Pend Oreille	379-380	771.36875	801.36875	Canada	General Use
Pend Oreille	423-424	771.64375	801.64375	Canada	General Use
Pend Oreille	451-452	771.81875	801.81875	Canada	General Use
Pend Oreille	509-510	772.18125	802.18125	Canada	General Use
Pend Oreille	511-512	772.19375	802.19375	Canada	General Use
Pend Oreille	549-550	772.43125	802.43125	Canada	General Use
Pend Oreille	605-606	772.78125	802.78125	Canada	General Use
Pend Oreille	607-608	772.79375	802.79375	Canada	General Use
Pierce	13-14	769.08125	799.08125	USA	General Use
Pierce	15-16	769.09375	799.09375	USA	General Use
Pierce	53-54	769.33125	799.33125	USA	General Use
Pierce	55-56	769.34375	799.34375	USA	General Use
Pierce	93-94	769.58125	799.58125	USA	General Use
Pierce	95-96	769.59375	799.59375	USA	General Use
Pierce	137-138	769.85625	799.85625	USA	General Use
Pierce	139-140	769.86875	799.86875	USA	General Use
Pierce	177-178	770.10625	800.10625	USA	General Use
Pierce	179-180	770.11875	800.11875	USA	General Use
Pierce	217-218	770.35625	800.35625	USA	General Use
Pierce	219-220	770.36875	800.36875	USA	General Use
Pierce	257-258	770.60625	800.60625	USA	General Use
Pierce	259-260	770.61875	800.61875	USA	General Use
Pierce	297-298	770.85625	800.85625	USA	General Use
Pierce	299-300	770.86875	800.86875	USA	General Use
Pierce	341-342	771.13125	801.13125	Canada	General Use
Pierce	343-344	771.14375	801.14375	Canada	General Use
Pierce	381-382	771.38125	801.38125	Canada	General Use
Pierce	383-384	771.39375	801.39375	Canada	General Use
Pierce	445-446	771.78125	801.78125	Canada	General Use
Pierce	447-448	771.79375	801.79375	Canada	General Use
Pierce	489-490	772.05625	802.05625	Canada	General Use
Pierce	491-492	772.06875	802.06875	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Pierce	549-550	772.43125	802.43125	Canada	General Use
Pierce	551-552	772.44375	802.44375	Canada	General Use
Pierce	589-590	772.68125	802.68125	Canada	General Use
Pierce	591-592	772.69375	802.69375	Canada	General Use
Pierce	629-630	772.93125	802.93125	Canada	General Use
Pierce	631-632	772.94375	802.94375	Canada	General Use
Pierce	677-678	773.23125	803.23125	USA	General Use
Pierce	679-680	773.24375	803.24375	USA	General Use
Pierce	717-718	773.48125	803.48125	USA	General Use
Pierce	719-720	773.49375	803.49375	USA	General Use
Pierce	757-758	773.73125	803.73125	USA	General Use
Pierce	759-760	773.74375	803.74375	USA	General Use
Pierce	797-798	773.98125	803.98125	USA	General Use
Pierce	799-800	773.99375	803.99375	USA	General Use
Pierce	877-878	774.48125	804.48125	USA	General Use
Pierce	879-880	774.49375	804.49375	USA	General Use
Pierce	917-918	774.73125	804.73125	USA	General Use
Pierce	919-920	774.74375	804.74375	USA	General Use
San Juan	53-54	769.33125	799.33125	USA	General Use
San Juan	55-56	769.34375	799.34375	USA	General Use
San Juan	97-98	769.60625	799.60625	USA	General Use
San Juan	99-100	769.61875	799.61875	USA	General Use
San Juan	177-178	770.10625	800.10625	USA	General Use
San Juan	179-180	770.11875	800.11875	USA	General Use
San Juan	217-218	770.35625	800.35625	USA	General Use
San Juan	219-220	770.36875	800.36875	USA	General Use
San Juan	257-258	770.60625	800.60625	USA	General Use
San Juan	259-260	770.61875	800.61875	USA	General Use
San Juan	297-298	770.85625	800.85625	USA	General Use
San Juan	299-300	770.86875	800.86875	USA	General Use
San Juan	337-338	771.10625	801.10625	Canada	General Use
San Juan	339-340	771.11875	801.11875	Canada	General Use
San Juan	381-382	771.38125	801.38125	Canada	General Use
San Juan	383-384	771.39375	801.39375	Canada	General Use
San Juan	425-426	771.65625	801.65625	Canada	General Use
San Juan	427-428	771.66875	801.66875	Canada	General Use
San Juan	465-466	771.90625	801.90625	Canada	General Use
San Juan	467-468	771.91875	801.91875	Canada	General Use
San Juan	529-530	772.30625	802.30625	Canada	General Use
San Juan	531-532	772.31875	802.31875	Canada	General Use
San Juan	571-572	772.56875	802.56875	Canada	General Use
San Juan	609-610	772.80625	802.80625	Canada	General Use
San Juan	611-612	772.81875	802.81875	Canada	General Use
San Juan	757-758	773.73125	803.73125	USA	General Use
San Juan	759-760	773.74375	803.74375	USA	General Use
San Juan	797-798	773.98125	803.98125	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
San Juan	799-800	773.99375	803.99375	USA	General Use
San Juan	917-918	774.73125	804.73125	USA	General Use
San Juan	919-920	774.74375	804.74375	USA	General Use
Skagit	45-46	769.28125	799.28125	USA	General Use
Skagit	47-48	769.29375	799.29375	USA	General Use
Skagit	125-126	769.78125	799.78125	USA	General Use
Skagit	127-128	769.79375	799.79375	USA	General Use
Skagit	165-166	770.03125	800.03125	USA	General Use
Skagit	167-168	770.04375	800.04375	USA	General Use
Skagit	325-326	771.03125	801.03125	USA	General Use
Skagit	327-328	771.04375	801.04375	Canada	General Use
Skagit	393-394	771.45625	801.45625	Canada	General Use
Skagit	395-396	771.46875	801.46875	Canada	General Use
Skagit	437-438	771.73125	801.73125	Canada	General Use
Skagit	439-440	771.74375	801.74375	Canada	General Use
Skagit	489-490	772.05625	802.05625	Canada	General Use
Skagit	491-492	772.06875	802.06875	Canada	General Use
Skagit	549-550	772.43125	802.43125	Canada	General Use
Skagit	551-552	772.44375	802.44375	Canada	General Use
Skagit	589-590	772.68125	802.68125	Canada	General Use
Skagit	591-592	772.69375	802.69375	Canada	General Use
Skagit	629-630	772.93125	802.93125	Canada	General Use
Skagit	631-632	772.94375	802.94375	Canada	General Use
Skagit	677-678	773.23125	803.23125	USA	General Use
Skagit	679-680	773.24375	803.24375	USA	General Use
Skagit	717-718	773.48125	803.48125	USA	General Use
Skagit	719-720	773.49375	803.49375	USA	General Use
Skagit	905-906	774.65625	804.65625	USA	General Use
Skagit	907-908	774.66875	804.66875	USA	General Use
Skamania	201-202	770.25625	800.25625	USA	General Use
Skamania	203-204	770.26875	800.26875	USA	General Use
Skamania	345-346	771.15625	801.15625	Canada	General Use
Skamania	347-348	771.16875	801.16875	Canada	General Use
Skamania	533-534	772.33125	802.33125	Canada	General Use
Skamania	535-536	772.34375	802.34375	Canada	General Use
Skamania	621-622	772.88125	802.88125	Canada	General Use
Skamania	623-624	772.89375	802.89375	Canada	General Use
Skamania	861-862	774.38125	804.38125	USA	General Use
Skamania	863-864	774.39375	804.39375	USA	General Use
Snohomish	17-18	769.10625	799.10625	USA	General Use
Snohomish	19-20	769.11875	799.11875	USA	General Use
Snohomish	89-90	769.55625	799.55625	USA	General Use
Snohomish	91-92	769.56875	799.56875	USA	General Use
Snohomish	133-134	769.83125	799.83125	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Snohomish	135-136	769.84375	799.84375	USA	General Use
Snohomish	173-174	770.08125	800.08125	USA	General Use
Snohomish	175-176	770.09375	800.09375	USA	General Use
Snohomish	213-214	770.33125	800.33125	USA	General Use
Snohomish	215-216	770.34375	800.34375	USA	General Use
Snohomish	253-254	770.58125	800.58125	USA	General Use
Snohomish	255-256	770.59375	800.59375	USA	General Use
Snohomish	293-294	770.83125	800.83125	USA	General Use
Snohomish	295-296	770.84375	800.84375	USA	General Use
Snohomish	345-346	771.15625	801.15625	Canada	General Use
Snohomish	347-348	771.16875	801.16875	Canada	General Use
Snohomish	385-386	771.40625	801.40625	Canada	General Use
Snohomish	387-388	771.41875	801.41875	Canada	General Use
Snohomish	429-430	771.68125	801.68125	Canada	General Use
Snohomish	431-432	771.69375	801.69375	Canada	General Use
Snohomish	469-470	771.93125	801.93125	Canada	General Use
Snohomish	471-472	771.94375	801.94375	Canada	General Use
Snohomish	517-518	772.23125	802.23125	Canada	General Use
Snohomish	519-520	772.24375	802.24375	Canada	General Use
Snohomish	573-574	772.58125	802.58125	Canada	General Use
Snohomish	575-576	772.59375	802.59375	Canada	General Use
Snohomish	613-614	772.83125	802.83125	Canada	General Use
Snohomish	615-616	772.84375	802.84375	Canada	General Use
Snohomish	669-670	773.18125	803.18125	USA	General Use
Snohomish	671-672	773.19375	803.19375	USA	General Use
Snohomish	709-710	773.43125	803.43125	USA	General Use
Snohomish	711-712	773.44375	803.44375	USA	General Use
Snohomish	753-754	773.70625	803.70625	USA	General Use
Snohomish	755-756	773.71875	803.71875	USA	General Use
Snohomish	793-794	773.95625	803.95625	USA	General Use
Snohomish	795-796	773.96875	803.96875	USA	General Use
Snohomish	837-838	774.23125	804.23125	USA	General Use
Snohomish	839-840	774.24375	804.24375	USA	General Use
Snohomish	913-914	774.70625	804.70625	USA	General Use
Snohomish	915-916	774.71875	804.71875	USA	General Use
Spokane	13-14	769.08125	799.08125	USA	General Use
Spokane	15-16	769.09375	799.09375	USA	General Use
Spokane	53-54	769.33125	799.33125	USA	General Use
Spokane	55-56	769.34375	799.34375	USA	General Use
Spokane	97-98	769.60625	799.60625	USA	General Use
Spokane	99-100	769.61875	799.61875	USA	General Use
Spokane	161-162	770.00625	800.00625	USA	General Use
Spokane	163-164	770.01875	800.01875	USA	General Use
Spokane	201-202	770.25625	800.25625	USA	General Use
Spokane	203-204	770.26875	800.26875	USA	General Use
Spokane	241-242	770.50625	800.50625	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Spokane	243-244	770.51875	800.51875	USA	General Use
Spokane	281-282	770.75625	800.75625	USA	General Use
Spokane	283-284	770.76875	800.76875	USA	General Use
Spokane	345-346	771.15625	801.15625	Canada	General Use
Spokane	347-348	771.16875	801.16875	Canada	General Use
Spokane	389-390	771.43125	801.43125	Canada	General Use
Spokane	391-392	771.44375	801.44375	Canada	General Use
Spokane	441-442	771.75625	801.75625	Canada	General Use
Spokane	443-444	771.76875	801.76875	Canada	General Use
Spokane	517-518	772.23125	802.23125	Canada	General Use
Spokane	519-520	772.24375	802.24375	Canada	General Use
Spokane	597-598	772.73125	802.73125	Canada	General Use
Spokane	599-600	772.74375	802.74375	Canada	General Use
Spokane	637-638	772.98125	802.98125	USA	General Use
Spokane	639-640	772.99375	802.99375	USA	General Use
Spokane	713-714	773.45625	803.45625	USA	General Use
Spokane	715-716	773.46875	803.46875	USA	General Use
Spokane	781-782	773.88125	803.88125	USA	General Use
Spokane	783-784	773.89375	803.89375	USA	General Use
Spokane	821-822	774.13125	804.13125	USA	General Use
Spokane	823-824	774.14375	804.14375	USA	General Use
Spokane	865-866	774.40625	804.40625	USA	General Use
Spokane	867-868	774.41875	804.41875	USA	General Use
Spokane	905-906	774.65625	804.65625	USA	General Use
Spokane	907-908	774.66875	804.66875	USA	General Use
Spokane	945-946	774.90625	804.90625	USA	General Use
Spokane	947-948	774.91875	804.91875	USA	General Use
Stevens	85-86	769.53125	799.53125	USA	General Use
Stevens	87-88	769.54375	799.54375	USA	General Use
Stevens	133-134	769.83125	799.83125	USA	General Use
Stevens	135-136	769.84375	799.84375	USA	General Use
Stevens	173-174	770.08125	800.08125	USA	General Use
Stevens	175-176	770.09375	800.09375	USA	General Use
Stevens	213-214	770.33125	800.33125	USA	General Use
Stevens	215-216	770.34375	800.34375	USA	General Use
Stevens	253-254	770.58125	800.58125	USA	General Use
Stevens	255-256	770.59375	800.59375	USA	General Use
Stevens	325-326	771.03125	801.03125	USA	General Use
Stevens	327-328	771.04375	801.04375	Canada	General Use
Stevens	409-410	771.55625	801.55625	Canada	General Use
Stevens	411-412	771.56875	801.56875	Canada	General Use
Stevens	449-450	771.80625	801.80625	Canada	General Use
Stevens	451-452	771.81875	801.81875	Canada	General Use
Stevens	485-486	772.03125	802.03125	Canada	General Use
Stevens	487-488	772.04375	802.04375	Canada	General Use
Stevens	569-570	772.55625	802.55625	Canada	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Stevens	571-572	772.56875	802.56875	Canada	General Use
Stevens	617-618	772.85625	802.85625	Canada	General Use
Stevens	619-620	772.86875	802.86875	Canada	General Use
Stevens	675-676	773.21875	803.21875	USA	General Use
Stevens	741-742	773.63125	803.63125	USA	General Use
Stevens	743-744	773.64375	803.64375	USA	General Use
Stevens	833-834	774.20625	804.20625	USA	General Use
Stevens	835-836	774.21875	804.21875	USA	General Use
Stevens	873-874	774.45625	804.45625	USA	General Use
Stevens	875-876	774.46875	804.46875	USA	General Use
Thurston	45-46	769.28125	799.28125	USA	General Use
Thurston	47-48	769.29375	799.29375	USA	General Use
Thurston	85-86	769.53125	799.53125	USA	General Use
Thurston	87-88	769.54375	799.54375	USA	General Use
Thurston	125-126	769.78125	799.78125	USA	General Use
Thurston	127-128	769.79375	799.79375	USA	General Use
Thurston	165-166	770.03125	800.03125	USA	General Use
Thurston	167-168	770.04375	800.04375	USA	General Use
Thurston	205-206	770.28125	800.28125	USA	General Use
Thurston	207-208	770.29375	800.29375	USA	General Use
Thurston	245-246	770.53125	800.53125	USA	General Use
Thurston	247-248	770.54375	800.54375	USA	General Use
Thurston	285-286	770.78125	800.78125	USA	General Use
Thurston	287-288	770.79375	800.79375	USA	General Use
Thurston	325-326	771.03125	801.03125	USA	General Use
Thurston	327-328	771.04375	801.04375	Canada	General Use
Thurston	389-390	771.43125	801.43125	Canada	General Use
Thurston	391-392	771.44375	801.44375	Canada	General Use
Thurston	465-466	771.90625	801.90625	Canada	General Use
Thurston	467-468	771.91875	801.91875	Canada	General Use
Thurston	497-498	772.10625	802.10625	Canada	General Use
Thurston	499-500	772.11875	802.11875	Canada	General Use
Thurston	561-562	772.50625	802.50625	Canada	General Use
Thurston	563-564	772.51875	802.51875	Canada	General Use
Thurston	601-602	772.75625	802.75625	Canada	General Use
Thurston	603-604	772.76875	802.76875	Canada	General Use
Thurston	665-666	773.15625	803.15625	USA	General Use
Thurston	667-668	773.16875	803.16875	USA	General Use
Thurston	705-706	773.40625	803.40625	USA	General Use
Thurston	707-708	773.41875	803.41875	USA	General Use
Thurston	825-826	774.15625	804.15625	USA	General Use
Thurston	827-828	774.16875	804.16875	USA	General Use
Thurston	865-866	774.40625	804.40625	USA	General Use
Thurston	867-868	774.41875	804.41875	USA	General Use
Thurston	905-906	774.65625	804.65625	USA	General Use
Thurston	907-908	774.66875	804.66875	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Thurston	909-910	774.68125	804.68125	USA	General Use
Wahkiakum	49-50	769.30625	799.30625	USA	General Use
Wahkiakum	51-52	769.31875	799.31875	USA	General Use
Wahkiakum	209-210	770.30625	800.30625	USA	General Use
Wahkiakum	211-212	770.31875	800.31875	USA	General Use
Wahkiakum	329-330	771.05625	801.05625	Canada	General Use
Wahkiakum	331-332	771.06875	801.06875	Canada	General Use
Wahkiakum	433-434	771.70625	801.70625	Canada	General Use
Wahkiakum	435-436	771.71875	801.71875	Canada	General Use
Wahkiakum	505-506	772.15625	802.15625	Canada	General Use
Wahkiakum	507-508	772.16875	802.16875	Canada	General Use
Wahkiakum	545-546	772.40625	802.40625	Canada	General Use
Wahkiakum	547-548	772.41875	802.41875	Canada	General Use
Wahkiakum	597-598	772.73125	802.73125	Canada	General Use
Wahkiakum	599-600	772.74375	802.74375	Canada	General Use
Wahkiakum	637-638	772.98125	802.98125	USA	General Use
Wahkiakum	639-640	772.99375	802.99375	USA	General Use
Wahkiakum	869-870	774.43125	804.43125	USA	General Use
Wahkiakum	871-872	774.44375	804.44375	USA	General Use
Walla Walla	205-206	770.28125	800.28125	USA	General Use
Walla Walla	207-208	770.29375	800.29375	USA	General Use
Walla Walla	285-286	770.78125	800.78125	USA	General Use
Walla Walla	287-288	770.79375	800.79375	USA	General Use
Walla Walla	333-334	771.08125	801.08125	Canada	General Use
Walla Walla	335-336	771.09375	801.09375	Canada	General Use
Walla Walla	377-378	771.35625	801.35625	Canada	General Use
Walla Walla	379-380	771.36875	801.36875	Canada	General Use
Walla Walla	421-422	771.63125	801.63125	Canada	General Use
Walla Walla	423-424	771.64375	801.64375	Canada	General Use
Walla Walla	465-466	771.90625	801.90625	Canada	General Use
Walla Walla	467-468	771.91875	801.91875	Canada	General Use
Walla Walla	505-506	772.15625	802.15625	Canada	General Use
Walla Walla	507-508	772.16875	802.16875	Canada	General Use
Walla Walla	545-546	772.40625	802.40625	Canada	General Use
Walla Walla	547-548	772.41875	802.41875	Canada	General Use
Walla Walla	621-622	772.88125	802.88125	Canada	General Use
Walla Walla	623-624	772.89375	802.89375	Canada	General Use
Walla Walla	701-702	773.38125	803.38125	USA	General Use
Walla Walla	703-704	773.39375	803.39375	USA	General Use
Walla Walla	785-786	773.90625	803.90625	USA	General Use
Walla Walla	787-788	773.91875	803.91875	USA	General Use
Walla Walla	833-834	774.20625	804.20625	USA	General Use
Walla Walla	835-836	774.21875	804.21875	USA	General Use
Walla Walla	917-918	774.73125	804.73125	USA	General Use
Walla Walla	919-920	774.74375	804.74375	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Whatcom	13-14	769.08125	799.08125	USA	General Use
Whatcom	15-16	769.09375	799.09375	USA	General Use
Whatcom	85-86	769.53125	799.53125	USA	General Use
Whatcom	87-88	769.54375	799.54375	USA	General Use
Whatcom	137-138	769.85625	799.85625	USA	General Use
Whatcom	139-140	769.86875	799.86875	USA	General Use
Whatcom	209-210	770.30625	800.30625	USA	General Use
Whatcom	211-212	770.31875	800.31875	USA	General Use
Whatcom	249-250	770.55625	800.55625	USA	General Use
Whatcom	251-252	770.56875	800.56875	USA	General Use
Whatcom	289-290	770.80625	800.80625	USA	General Use
Whatcom	291-292	770.81875	800.81875	USA	General Use
Whatcom	353-354	771.20625	801.20625	Canada	General Use
Whatcom	401-402	771.50625	801.50625	Canada	General Use
Whatcom	403-404	771.51875	801.51875	Canada	General Use
Whatcom	453-454	771.83125	801.83125	Canada	General Use
Whatcom	455-456	771.84375	801.84375	Canada	General Use
Whatcom	513-514	772.20625	802.20625	Canada	General Use
Whatcom	515-516	772.21875	802.21875	Canada	General Use
Whatcom	535-536	772.34375	802.34375	Canada	General Use
Whatcom	577-578	772.60625	802.60625	Canada	General Use
Whatcom	579-580	772.61875	802.61875	Canada	General Use
Whatcom	617-618	772.85625	802.85625	Canada	General Use
Whatcom	619-620	772.86875	802.86875	Canada	General Use
Whatcom	665-666	773.15625	803.15625	USA	General Use
Whatcom	667-668	773.16875	803.16875	USA	General Use
Whatcom	705-706	773.40625	803.40625	USA	General Use
Whatcom	707-708	773.41875	803.41875	USA	General Use
Whatcom	745-746	773.65625	803.65625	USA	General Use
Whatcom	747-748	773.66875	803.66875	USA	General Use
Whatcom	789-790	773.93125	803.93125	USA	General Use
Whatcom	791-792	773.94375	803.94375	USA	General Use
Whatcom	877-878	774.48125	804.48125	USA	General Use
Whatcom	879-880	774.49375	804.49375	USA	General Use
Whatcom	941-942	774.88125	804.88125	USA	General Use
Whatcom	943-944	774.89375	804.89375	USA	General Use
Whitman	41-42	769.25625	799.25625	USA	General Use
Whitman	43-44	769.26875	799.26875	USA	General Use
Whitman	81-82	769.50625	799.50625	USA	General Use
Whitman	83-84	769.51875	799.51875	USA	General Use
Whitman	121-122	769.75625	799.75625	USA	General Use
Whitman	123-124	769.76875	799.76875	USA	General Use
Whitman	217-218	770.35625	800.35625	USA	General Use
Whitman	219-220	770.36875	800.36875	USA	General Use
Whitman	257-258	770.60625	800.60625	USA	General Use
Whitman	259-260	770.61875	800.61875	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Whitman	297-298	770.85625	800.85625	USA	General Use
Whitman	299-300	770.86875	800.86875	USA	General Use
Whitman	357-358	771.23125	801.23125	Canada	General Use
Whitman	359-360	771.24375	801.24375	Canada	General Use
Whitman	401-402	771.50625	801.50625	Canada	General Use
Whitman	403-404	771.51875	801.51875	Canada	General Use
Whitman	457-458	771.85625	801.85625	Canada	General Use
Whitman	459-460	771.86875	801.86875	Canada	General Use
Whitman	481-482	772.00625	802.00625	Canada	General Use
Whitman	483-484	772.01875	802.01875	Canada	General Use
Whitman	537-538	772.35625	802.35625	Canada	General Use
Whitman	539-540	772.36875	802.36875	Canada	General Use
Whitman	589-590	772.68125	802.68125	Canada	General Use
Whitman	591-592	772.69375	802.69375	Canada	General Use
Whitman	629-630	772.93125	802.93125	Canada	General Use
Whitman	631-632	772.94375	802.94375	Canada	General Use
Whitman	669-670	773.18125	803.18125	USA	General Use
Whitman	671-672	773.19375	803.19375	USA	General Use
Whitman	753-754	773.70625	803.70625	USA	General Use
Whitman	755-756	773.71875	803.71875	USA	General Use
Yakima	129-130	769.80625	799.80625	USA	General Use
Yakima	131-132	769.81875	799.81875	USA	General Use
Yakima	169-170	770.05625	800.05625	USA	General Use
Yakima	171-172	770.06875	800.06875	USA	General Use
Yakima	209-210	770.30625	800.30625	USA	General Use
Yakima	211-212	770.31875	800.31875	USA	General Use
Yakima	249-250	770.55625	800.55625	USA	General Use
Yakima	251-252	770.56875	800.56875	USA	General Use
Yakima	289-290	770.80625	800.80625	USA	General Use
Yakima	291-292	770.81875	800.81875	USA	General Use
Yakima	329-330	771.05625	801.05625	Canada	General Use
Yakima	331-332	771.06875	801.06875	Canada	General Use
Yakima	369-370	771.30625	801.30625	Canada	General Use
Yakima	371-372	771.31875	801.31875	Canada	General Use
Yakima	417-418	771.60625	801.60625	Canada	General Use
Yakima	419-420	771.61875	801.61875	Canada	General Use
Yakima	461-462	771.88125	801.88125	Canada	General Use
Yakima	463-464	771.89375	801.89375	Canada	General Use
Yakima	509-510	772.18125	802.18125	Canada	General Use
Yakima	511-512	772.19375	802.19375	Canada	General Use
Yakima	557-558	772.48125	802.48125	Canada	General Use
Yakima	559-560	772.49375	802.49375	Canada	General Use
Yakima	597-598	772.73125	802.73125	Canada	General Use
Yakima	599-600	772.74375	802.74375	Canada	General Use
Yakima	637-638	772.98125	802.98125	USA	General Use
Yakima	639-640	772.99375	802.99375	USA	General Use

Area Name	Channel Number	Base Center Freq	Mobile Center Freq	Primary Use	Class
Yakima	909-910	774.68125	804.68125	USA	General Use
Yakima	911-912	774.69375	804.69375	USA	General Use

Appendix G – Consent Letters from Region 12 (Idaho) and Region 35 (Oregon)

Public Safety Region 35, Oregon 700 MHz Regional Planning Committee

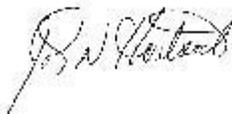
October 20, 2015

Spencer L. Bahner
City of Seattle
1933 Minor Avenue
Seattle, WA 98101

Re: Letter of Concurrence for modification of Region 43 Oregon 700 MHz Plan

The Public Safety Region 35, Oregon, 700 MHz Regional Planning Committee has reviewed the modified Region 43 (Washington) Public Safety 700 MHz Plan, dated October 30, 2015 incorporating changes as required by Federal Communications Commission Report and Order 14-172 dated October 24, 2014. Region 35 concurs with the changes.

Sincerely



John Hartsock, Chair
Region 35 700 MHz Regional Planning Committee
% Clackamas 800 Radio Group - C800
11300 SE Fuller Rd
Clackamas, OR
97222 (503) 780-
4806



Region 12, Idaho, 700 MHz Regional Planning Committee

Karl Rudolf, Chairperson
Ada County Sheriff's Office
7200 Barrister Dr.
Boise, ID 83704
Phone: (208) 577-3618
Email: krudorf@adaweb.net
Web Site: www.700region12.org

Dear Mr. Bahner:

This letter serves as official notification and written concurrence that Region 12, Idaho, is in receipt of the proposed Washington, Region 43, 700 MHz Plan Amendment. Region 12 concurs with the plan and gives its approbation.

Please contact me if you require any further assistance.

Thank you,


Karl A. Rudolf
Region Chairman
Region 12

Dated: 20 Oct 2015

Appendix H – By-Laws

BYLAWS OF THE REGION 43 700 MHz REGIONAL PLANNING COMMITTEE Revised January 26, 2005 Concurrent with Plan Adoption

ARTICLE I - NAME & PURPOSE

- 1.1 Name and purpose. The name of the Committee shall be Region 43 Regional Planning Committee (RPC). Its primary purpose is to foster cooperation, planning, development of regional plans and the implementation of these plans in the 700 MHz and 4.9 GHz Public Safety Bands.

ARTICLE II - MEMBERS

For the purpose of this Article, the term "member," unless otherwise specified, refers to both voting and non-voting members.

- 2.1 Number, Election and Qualification. The RPC shall have two classes of members, "voting members" and "non-voting members." New members may be added at any formally called meeting of the RPC.

Voting Members. Voting members shall consist of one official from any non-federal single agency engaged in public safety eligible to hold a license under 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103. Voting members shall be designated in writing to the Chair by an official from the eligible agency who is at least one-level senior in the reporting structure of the agency to the designated voting member.

Except that a single agency shall be allowed no more than one vote for each distinct eligibility category (e.g. police, fire, EMS, highway) within the agency's organization or political jurisdiction. In voting on any issue the individual must identify himself/herself and the agency and eligibility category which he or she represents.

Non-Voting Members. Non-voting members are all others interested in furthering the goals of public safety communications, including vendor representatives.

- 2.2 Tenure. In general, each member shall hold MEMBERSHIP from the date of acceptance until resignation or removal.
- 2.3 Powers and Rights. In addition to such powers and rights as are vested in them by law, or these bylaws, the members shall have such other powers and rights as the membership may determine.

- 2.4 Suspension and Removal. A member may be suspended or removed with cause by vote of a quorum of members present at a meeting of record after reasonable notice and opportunity to be heard. Failure to attend 50% of the meetings held in a calendar year shall be specific cause for removal from the membership.
- 2.5 Resignation. A member may resign by delivering written resignation to the chairman, vice-chairman, treasurer or secretary of the Regional Committee or to a meeting of the members.
- 2.6 Meetings. The RPC will hold regular meetings on the last Wednesday of each odd numbered month at a place designated by the chair.
- 2.7 Special Meetings. Special meetings of the members may be held at any time and at any place within Region 43. Special meetings of the members may be called by the chairman or by the vice-chairman, or in the case of death, absence, incapacity, by any other officer or, upon written application of two or more members.
- 2.8 Call and Notice.
- A. Meetings. Reasonable notice of the time and place of meetings of the members must be given to each member. Such notice need not specify the purpose of a meeting, unless otherwise required by law or these bylaws or unless there is to be considered at the meeting (i) amendments to these bylaws, or (ii) amendments to the Regional Plan, or (iii) removal or suspension of a member who is an officer. This notice will include the minutes of the last meeting, agenda of the next meeting, and specific items that will be voted on.
- B. Reasonable and sufficient notice. Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a member to send notice by e-mail at least five working days before the meeting, addressed to such member at his or her usual and last known email address, or, to give notice to such member in person or by telephone. Notice of meetings will also be posted on the Region 43 web site (www.region43.org) at least five working days in advance of a meeting.
- C. Meeting minutes of past meetings will also be posted and maintained on the Region 43 web site www.region43.org
- 2.9 Quorum. All voting members in attendance at a meeting of record shall constitute a quorum.
- 2.10 Action by Vote. Each voting member, representing a particular agency (one vote per agency as defined in Article II, section 2.1) shall have one vote; non-voting members have no right to vote. When a quorum is present at any meeting, a majority of the votes properly cast by voting members present shall decide any

question, including election to any office, unless otherwise provided by law or these bylaws.

- 2.11 Alternates to Voting Members. Voting members may vote either in person or by sending a designated alternate to a meeting of record. Any voting member or alternate may cast only one vote. Alternates shall be designated to the Chair, in advance and in writing (email or letter), by the regular voting member, and a voting member is allowed to designate an alternate on a standing basis.

ARTICLE III - OFFICERS AND AGENTS

- 3.1 Number and qualifications. The officers of the RPC shall be chairman, vice-chairman, treasurer, secretary and such other officers, if any, as the voting members may determine. Officers shall be a representative of an eligible entity and if not a voting member shall become a voting member within 30 days of nomination.
- 3.2 Election. The officers shall be elected by the voting members.
- 3.2 Tenure. The officers shall each hold office until their successor, if any, is chosen, or in each case until he or she sooner dies, resigns, is removed or becomes disqualified.
- 3.4 Chairman and Vice Chairman. The chairman shall be the chief executive officer of the RPC and, subject to the control of the voting members, shall have general charge and supervision of the affairs of the RPC, and shall preside at all meetings of the RPC. The Chairman shall also be responsible for maintaining the official records of the RPC, posting those records on the Region 43 web site, and making such records open for inspection by the RPC membership, the public or the FCC.
- The Vice Chairman, if any, shall have such duties and powers as the voting members shall determine. The vice-chairman shall have and may exercise all the powers and duties of the chairman during the absence of the chairman or in the event of his or her inability to act.
- 3.5 Treasurer. The treasurer shall be the chief financial officer and the chief accounting officer of the RPC. The treasurer shall be in charge of its financial affairs, funds, and valuable papers and shall keep full and accurate records thereof.
- 3.6 Secretary. The secretary shall record, or cause to be recorded, the minutes of each meeting of record and provide these to the Chairman to be posted on the Region 43 web site and maintained within the official records of the RPC. If the secretary is absent from any meeting of record, a temporary secretary chosen at the meeting shall exercise the duties of the secretary at the meeting.

- 3.7 Suspension or Removal. An officer may be suspended or removed with cause by vote of a majority of the voting members at a meeting of record.
- 3.8 Resignation. An officer may resign by delivering a written resignation to the chairman, vice-chairman, treasurer, or secretary of the Regional Committee. Such resignation shall be effective upon receipt (unless specified to be effective at some other time), and acceptance thereof shall not be necessary to make it effective unless it so states.
- 3.9 Vacancies. If the office of any officer becomes vacant, the voting members may elect a successor. Each such successor shall hold office in accordance with section 3.3.

ARTICLE IV - AMENDMENTS

These bylaws or the Regional Plan may be altered, amended or repealed in whole or in part as outlined in Section 13.1 of the Regional Plan.

ARTICLE V - DISSOLUTION

This Regional Planning Committee may be dissolved by the consent of two-thirds plus one of the quorum at a special meeting called for such purpose. The FCC shall be notified.

ARTICLE VI - RULES OF PROCEDURES

The Conduct of Regional Meetings including without limitation, debate and voting, shall be governed by Robert's Rules of Order, newly revised 1990 edition, ninth edition, Sarah Corbin Robert, Henry M. Robert III, and William J. Evans.

ARTICLE VII - SUBCOMMITTEES

Sub-committees will be appointed by the Chair and delegated to work on projects as needed with approval of the Committee. Sub-committee Chairs shall be Voting Members.

Appendix I - Glossary and Related Agencies

APCO: The Association of Public-Safety Communications Officials (APCO) is an international association committed to providing complete public safety communications expertise, technical assistance, and public outreach. APCO provides spectrum management for the frequency coordination for public safety spectrum in the 700 MHz and 800 MHz bands. <https://www.apcointl.org/>

FIRSTNET: The First Responder Network Authority (FirstNet) was created to build, operate, and maintain the first high-speed nationwide wireless broadband network dedicated to public safety. More information can be found at <http://www.firstnet.gov>

Line A: An imaginary line within the U.S., approximately paralleling the U.S.-Canadian border, north of which Commission coordination with the Canadian authorities in the assignment of frequencies is generally required.

Refer to 47 CFR section 90.533 for more information and guideline

The FCC has provided a Line A Check tool:
http://wireless.fcc.gov/uls/index.htm?job=line_a_c

NIFOG: The National Interoperability Field Operations Guide is published by Department of Homeland Security Office of Emergency Communications. NIFOG is a technical reference for emergency communications planning and for radio technicians responsible for radios that will be used in disaster response. The NIFOG includes rules and regulations for use of nationwide and other interoperability channels, tables of frequencies and standard channel names, and other reference material. More information can be found at:
<https://casmnextgen.com/pslib/index.php/webview>
<http://www.dhs.gov/office-emergency-communications>
<http://www.safecomprogram.gov/SAFECOM/nifog>
<http://www.dhs.gov/national-interoperability-field-operations-guide>

NPSPAC: National Public Safety Planning Advisory Committee (NPSPAC) provides guidelines for regional and state public safety agencies for the 800 MHz Public safety band. See Region 43 and RPC below. <https://www.fcc.gov/encyclopedia/800-mhz-spectrum>

ONENET: See WA OneNet.

Region 43: Region 43 of the NPSPAC regional planning committees (RPC). Region 43 effectively includes all of Washington State. The FCC set aside 800 MHz public safety

spectrum to be coordinated through regional and state public safety agencies under the guidelines developed by NPSPAC. Region 43 Regional Planning Committee reviews and approves applications for NPSPAC channels in WA State, and provides approval to the FCC for applications in the respective regions. <http://www.region43.org>

RPC: Regional Planning Committee. There are fifty-five NPSPAC regional public safety planning committees that create planning documents, review applications, and provide recommendations to the FCC for approval of applications in the respective regions. The Region 43 RPC reviews and approves applications for NPSPAC channels in WA State, and provides approval to the FCC for applications in Washington State. There are separate RPCs for 700 MHz and 800 MHz spectrum bands. <http://www.region43.org>

SCIP: Statewide Communications Interoperability Plan – The Washington state SCIP serves as a common reference for all stakeholders to use as a current source of information about the status of statewide communications interoperability within Washington State. Each state may have its own SCIP, however this document is only concerned with Washington State. More information and guidelines can be found at <https://ocio.wa.gov>

SIEC: Washington State Interoperability Executive Committee – The committee works to ensure emergency responders across all levels of government and across all jurisdictions can talk to each other and share data. Each state may have its own SIEC, however this document is only concerned with Washington State. More information can be found at <https://ocio.wa.gov/about-ocio/siec-state-interoperability-executive-committee>

WA ONENET: The Washington State office administering with FIRST NET and first responders to develop the nation's first public safety wireless broadband network in Washington State. <https://ocio.wa.gov/initiatives/washington-onenet-firstnet>

WASPC: The Washington Association of sheriffs and Police Chiefs (WASPC) provides specific materials and services to all law enforcement agencies in the state, members and non-members alike. WASPC is the official association in charge of coordination for Law Enforcement Radio Network (LERN) mutual aid channels. <http://www.waspc.org>

WFC: The Washington Fire Chiefs (WFC) is an incorporated nonprofit association. Its mission is to be a source of information and education to its members and to take a lead role in influencing issues affecting the fire service. <http://washingtonfirechiefs.com/>

WON: See WA OneNet

WSFFA: Washington State Fire fighters Association (WSFFA) is an association to provide information, education, benefits, and representation to the volunteer fire service of the state of Washington. <http://wsffa.org/~wsffa/wsffa>

WWRIC: The Western Washington Regional Interference Committee is a non-profit organization that exists to promote clean, efficient use of radio Spectrum by establishing radio site engineering standards. More information can be found at <http://www.wwric.org/>.