

WTB & SPECTRUM ACCESS OVERVIEW

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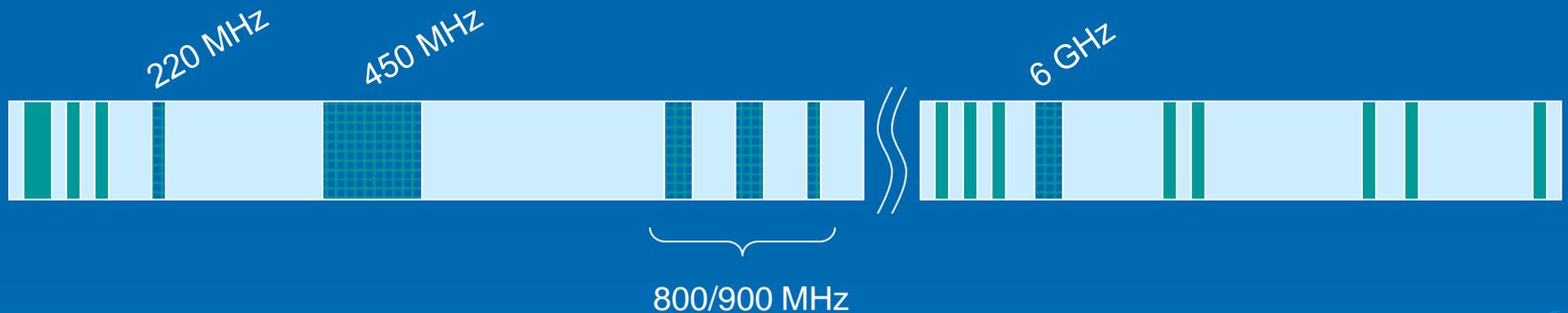
Wireless Telecommunications Bureau (WTB)

- Second largest FCC Bureau
- Develops and administers U.S. wireless telecommunications programs and policies
- Key WTB roles and responsibilities:
 - Executes FCC's spectrum auction authority
 - Licenses and oversees U.S. commercial wireless services
 - Provides analysis of wireless industry competition
 - Develops IT tools and resources for license and spectrum management
- Some major WTB policy objectives:
 - Facilitate the introduction of new and innovative services
 - Maximize the efficient use of spectrum
 - Foster wireless competition

Overview of WTB Organization

- WTB is divided into an Office of the Bureau Chief and five functional divisions
- Auctions & Spectrum Access: designs and implements spectrum auctions
- Broadband: facilitates rapid deployment of advanced wireless broadband
- Mobility: licenses and provides oversight of U.S. mobile wireless services
- Spectrum & Competition Policy: formulates pro-competitive wireless telecommunications policies
- SMaRT: develops and manages IT tools and resources
- Extensive collaboration across divisions and bureaus

Spectrum Bands Licensed by Utilities



Site-by-site licensing

Auctions

Secondary markets

- Frequency coordinators
- Application process
- Timing
- License terms and conditions

Site-by-site
licensing

Auctions

Secondary markets

- Usually geographic area licenses
- Auctions scheduled 6 months in advance
- Bidding credits
- High bidder applies for license
- Application process
- Timing
- License terms and conditions
- Partitioning, disaggregation, leasing



Site-by-site
licensing

Auctions

**Secondary
markets**

- Who holds licenses in an area?
- FCC tools
 - Universal Licensing System
 - Spectrum Dashboard
- Sale, partitioning, disaggregation, lease
- Parties define terms of transaction
- Application process
- Timing

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Wireless Telecommunications Bureau



• License terms and conditions

Universal Licensing System

ULS Online Systems

All applications are operating properly.

NEW USERS **REGISTER** To use the FCC Online Systems, you first need to register with the FCC.
[Learn more](#)

ONLINE FILING **LOG IN** Apply for a new license, renew, modify, assign authorization, transfer control, manage licenses and applications, associate call sign(s) and more.

SEARCH

- LICENSES** Find licenses across all services.
- APPLICATIONS** Find applications.
- ARCHIVES** Find archived licenses using the **enhanced** license archive search.

QUICK LINKS

More Resources	Other Online Systems
<ul style="list-style-type: none">▶ Getting Started▶ Filing Purposes▶ Batch Filing	<ul style="list-style-type: none">▶ Pay Fees▶ Antenna Structure Registration (ASR)▶ TOWAIR▶ TCNS/E-106▶ Submit a Pleading▶ Hearing Aid Compatibility Status Reporting

Spectrum Dashboard

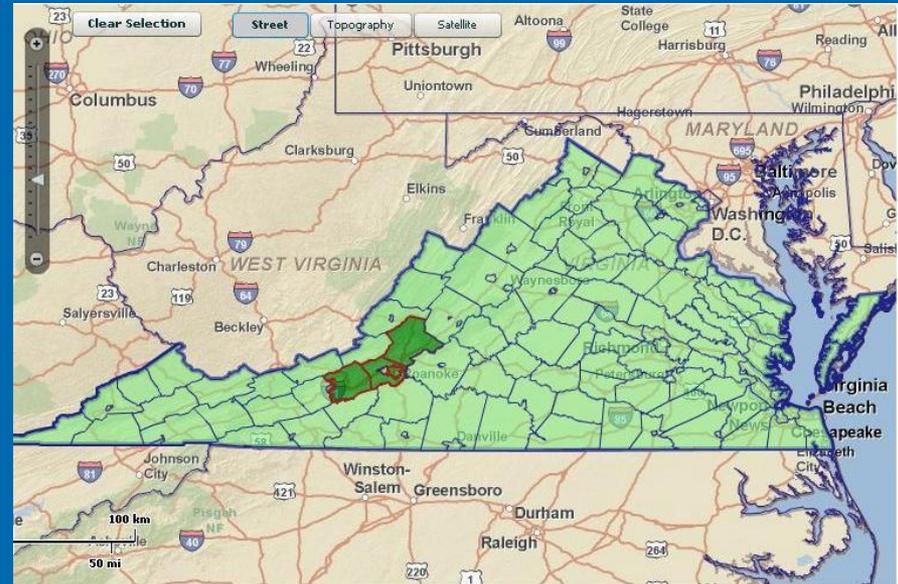
Select Using Frequency Band:

Select Using Frequency Band:
Browse non-federal spectrum bands by entering a frequency range, selecting one or more tags or by using the graphical tool.
To use the graphical tool, click in a box to display the range of frequencies for the service(s) or click in a box and drag your cursor to select a wider range of frequencies. The frequencies will appear in the Frequency Range box.

Zoom

Frequency Range (MHz)	Service
434 - 456	BETRS
456 - 460	BETRS
460 - 462.3375	Public Safety
462.3375 - 467.5375	Family Radio
467.5375 - 467.7375	Public Safety
467.7375 - 470	Family Radio
470 - 512	Public Safety
512 - 608	LP Auxiliary
608 - 614	LP Auxiliary
614 - 698	LP Auxiliary
698 - 753	LP Auxiliary
753 - 793	LP Auxiliary
793 - 805	LP Auxiliary
805 - 809	LP Auxiliary
809 - 849	SMR
849 - 851	Cellular
851 - 854	Cellular
854 - 864	Cellular
864 - 896	Cellular
896 - 901	Cellular
901 - 902	Cellular
902 - 928	Cellular
928 - 936	Cellular
936 - 940	Cellular

Highlighted sections represent the portion of the band that can be used for the listed service.



Key Points of Contact

- National Call Center 888-CALL-FCC
- michael.mckenzie@fcc.gov
- roger.noel@fcc.gov
- <http://wireless.fcc.gov>
- Universal Licensing System
 - <http://wireless.fcc.gov/uls/index.htm?job=home>
- Spectrum Dashboard
 - <http://reboot.fcc.gov/reform/systems/spectrum-dashboard>

