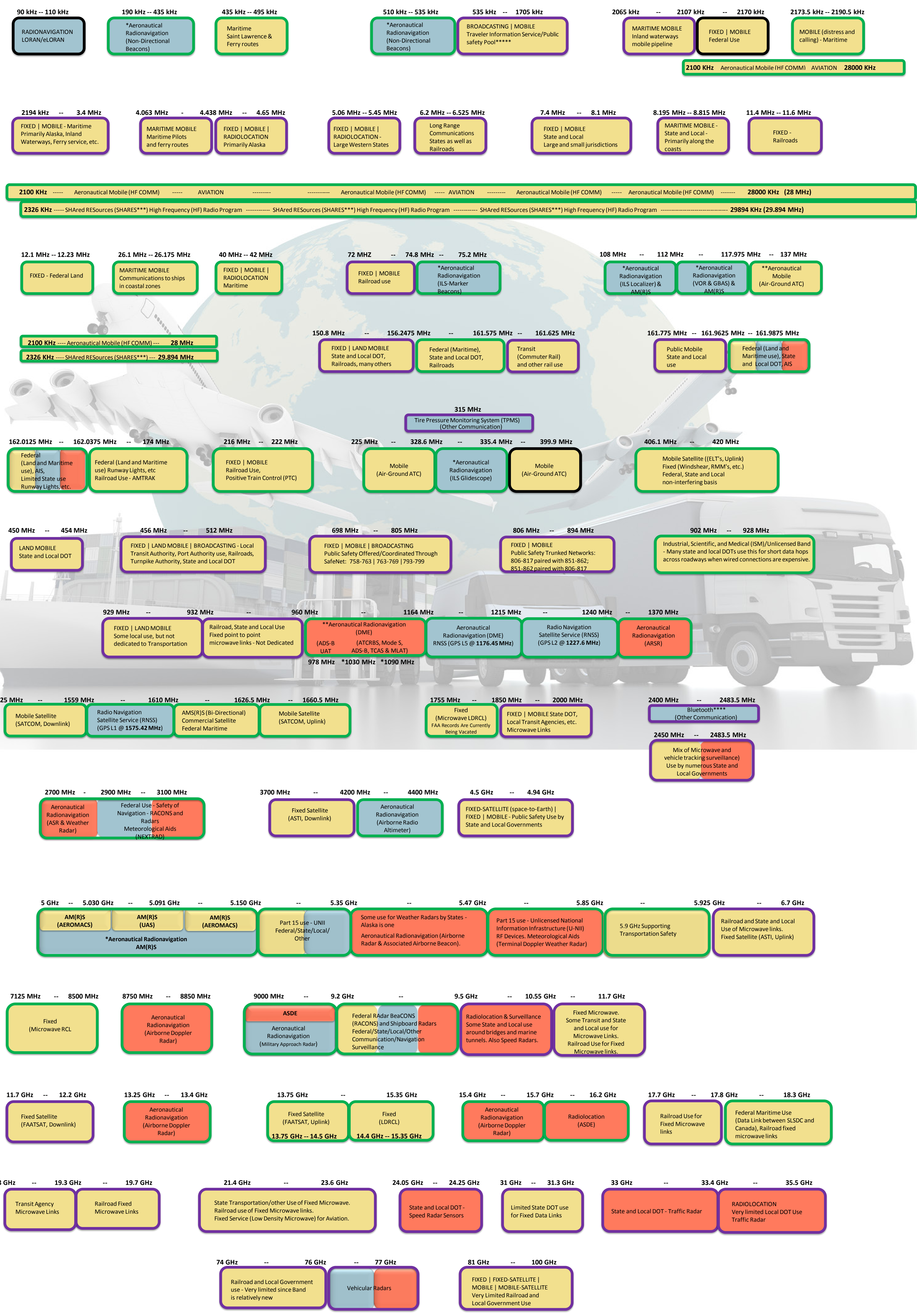




# US Radio Frequency Bands Supporting Surface & Aviation Transportation

- COMMUNICATION
- NAVIGATION
- SURVEILLANCE
- FED EXCLUSIVE
- SHARED FED/NON-FED
- NON-FED EXCLUSIVE



\*Aeronautical Assignment Group Band \*\*Contains Aeronautical Assignment Group Band

\*\*\*SHARED RESOURCES (SHARES) High Frequency (HF) Radio Program, used by state and local agencies to talk with DHS and other federal agencies, is a back-up communications network that is used in the event local communications have failed. While USDOT is not part of this network directly, DOT will receive information from it via other Federal agencies when there is a catastrophic event that prevents communication between USDOT field staff and local transportation communities. Frequencies are in the HF band from 4458 kHz through 29894 kHz.

\*\*\*\* 2400-2483.5 MHz is used for bluetooth. Bluetooth is being used to determine vehicle speed between two points by noting the MAC address of the bluetooth device and determining how long between successive readers has elapsed. 2450-2483.5 is used by State and local transportation agencies for vehicle tracking and point-to-point communication systems. Non-government use is for Television Pickup.

\*\*\*\*\*Public safety Pool is accessible by more than Public safety. If identified here, then a State or local transportation agency was accessing the available spectrum with a license. In this particulate case, they are accessing the spectrum for a Highway Advisory Radio station as part of a Traveler Information System delivery.

