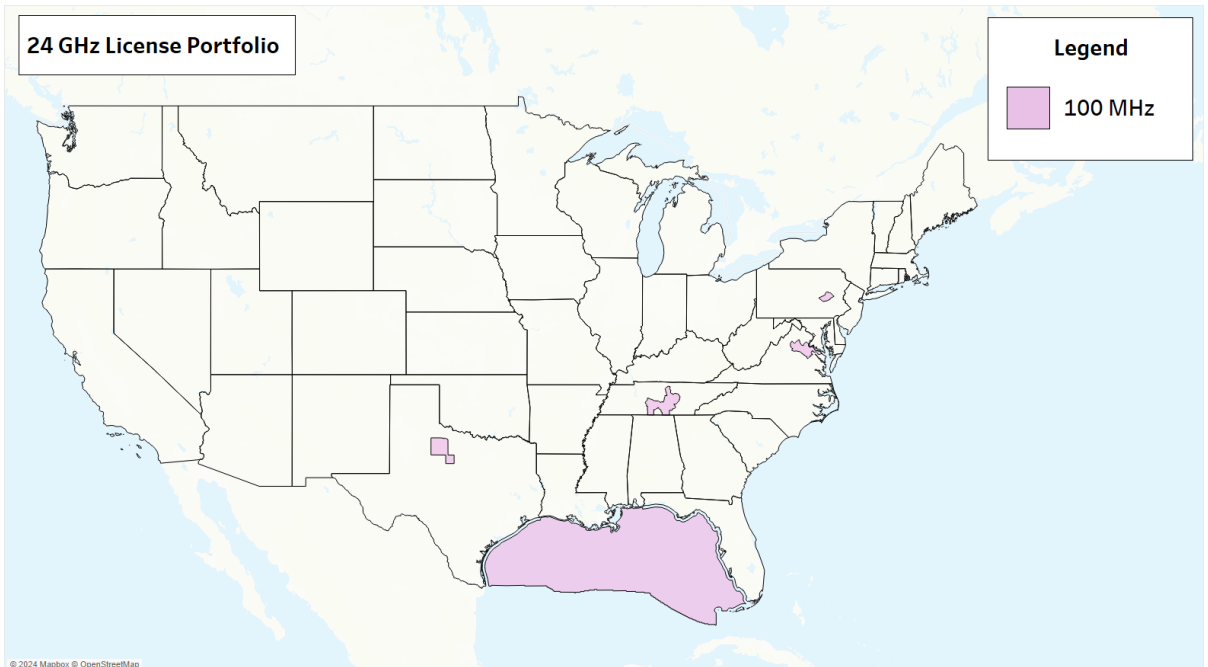


Wireless Spectrum Licenses in the 24 GHz UMFUS Band Ideal for Mobile & Fixed High-Speed Data Applications Available in Texas and the Gulf of Mexico

Select Spectrum, on behalf of our client, is offering three **24 GHz Upper Microwave Flexible Use Service (UMFUS) Band** licenses. The licenses presently offered cover the Haskell, TX market area and the entirety of the Gulf of Mexico, presenting a unique opportunity to deploy mobile and/or fixed networks that can service high-speed data applications.

Available 24 GHz license coverage is shown in the map below.



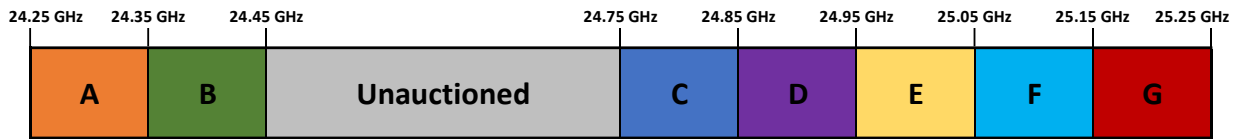
UMFUS band frequencies such as the 24 GHz band are known as millimeter wave (mmWave) frequencies, which generally span between 20-60 GHz. These mmWave frequency licenses will play a critical role in servicing 5G deployments and applications, with a focus on supporting significant levels of network traffic and facilitating ultra-high-speed mobile/fixed broadband speeds that are unmatched by low or mid-band spectrum options. UMFUS bands are 3GPP standardized under the 5G New Radio (NR) guidelines, specifically in the "Frequency Range 2" (FR2) umbrella that includes mmWave frequencies.

UMFUS bands are presently held and/or in use by national mobile carriers, innovative fixed wireless companies, regional telephone operators, and other organizations seeking to deploy

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mobile networks or provide Fixed Wireless Access (FWA) “last mile” services.

The 24 GHz band plan is shown below:



The 24 GHz band, (auctioned via Auction 102), plan consists of seven channel blocks, blocks A through G, with each block providing 100 MHz capacity. Blocks A & B are situated between 24.25 GHz and 24.45 GHz – the “Lower Segment”, and Blocks C through G are situated between 24.75 GHz and 25.25 GHz – the “Upper Segment”. The “Middle Segment” of frequencies between 24.45 GHz – 24.75 GHz were not auctioned and are currently allocated to Radio-navigation and Radio-location services. All 24 GHz band licenses cover geographic areas conforming to Partial Economic Area (PEA) areas assigned by the FCC.

The 24 GHz band is ideal to support a wide variety of applications that leverage the hundreds of Mbps / 1+ Gbps speeds (varying by channel size) that are achievable using UMFUS designated spectrum. High speed backhaul, 5G “to the home” / FWA, and other applications leverage that fixed PTP and PTMP configurations may be deployed. The 24 GHz band also may be utilized for mobile applications which are currently a key pillar for 5G deployments by national carriers and other organizations.

UMFUS bands are subject to Part 30 rules and regulations, which include power limitations on fixed & base stations operating in connection with mobile systems (EIRP density limit of +75dBm/100 MHz). Mobile stations must limit the average power of the sum of all antenna elements to a max EIRP of +43 dBm. Network deployments may use any duplexing scheme desired, provided compliance with other technical/operational requirements is met.

24 GHz band licenses have a 10-year term from the date of issuance, after which they may be renewed for an additional term of 10 years – should substantial service requirements be met. Construction and service requirements, which vary based on the population within the license area(s), may be met via mobile or fixed operations, with combination builds being evaluated on a case-by-case basis.

Please inquire to learn more about equipment for the band to support fixed/mobile applications.