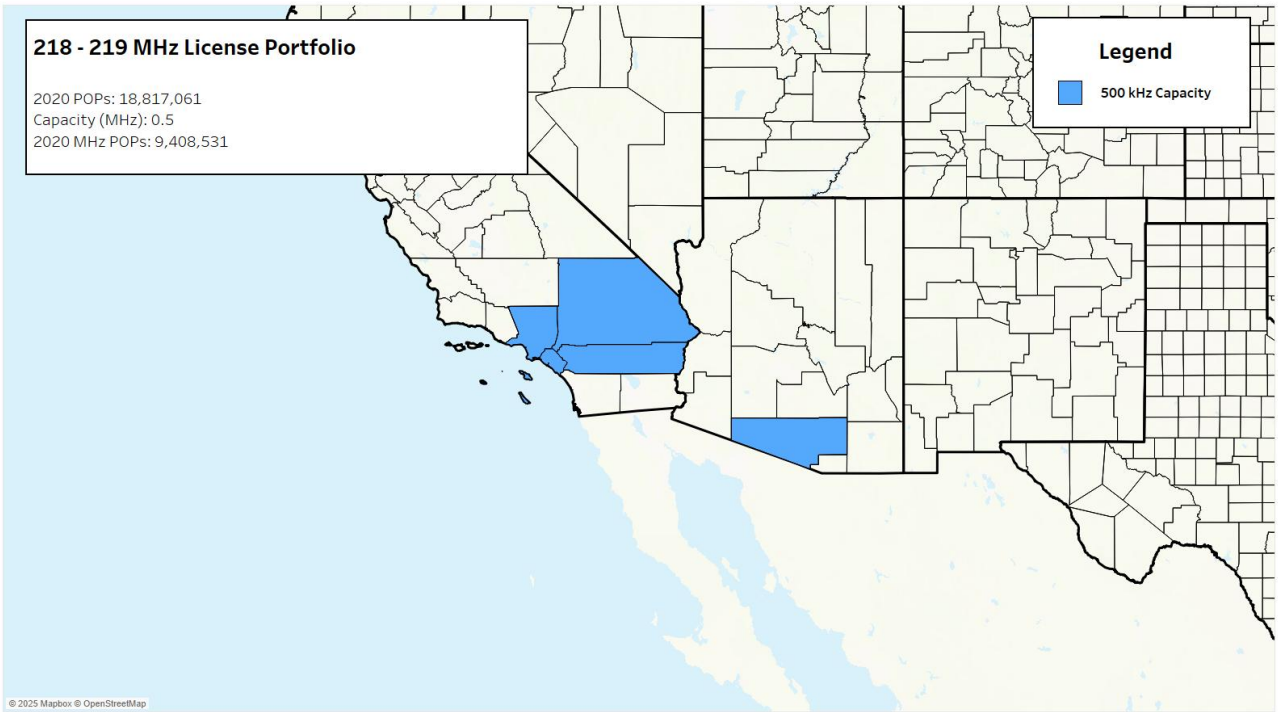
Wireless Spectrum Licenses in the 218-219 MHz Band
Ideal for Utility, Critical Infrastructure, IoT, M2M, and Rail Applications
Available in Select Major and Semi-Major U.S. Metropolitan Areas

Select Spectrum is offering two 218-219 MHz Service FCC licenses covering **Tucson, AZ** and the **Los Angeles–Long Beach/Anaheim** metro area. These markets benefit from **500 kHz of spectrum per license**, delivering excellent propagation and supporting **1 Mbps+ throughput per site**. Even a single license can enable the deployment of **sophisticated, wide-bandwidth private networks** to support voice, data, IoT, and other critical applications.

Available markets in this offering are shown on the map below:



218-219 MHz licenses can support a broad range of applications including broadcast or two-way; mobile or fixed; data, voice or video, providing effective performance for SCADA, land mobile radio and communications, smart grid and IoT, machine to machine "M2M", UAV, Oil & Gas production/pipelines, Positive Train Control "PTC" and Communications-Based Train Control "CBTC" applications. The spectrum is ideal for urban utilities, critical infrastructure networks, Oil & Gas companies, and passenger & freight rail lines.

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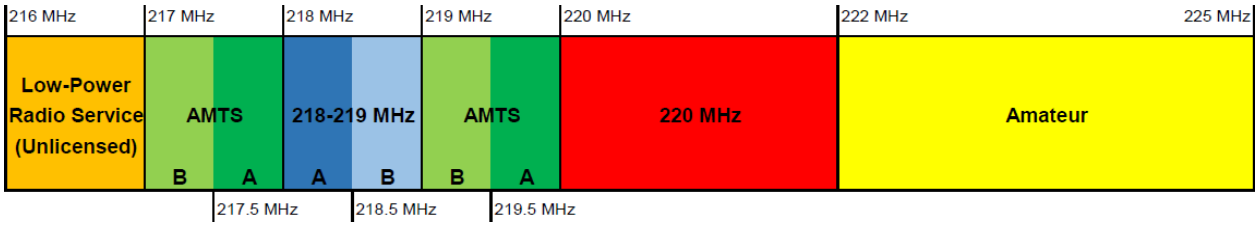
Visit our website at http://selectspectrum.com to learn more

The 218-219 MHz Service band is shown with neighboring service groups below:



The 218-219 MHz spectrum can be used for voice or data in 2-way or broadcast modes, including fixed and mobile services. Time division duplex "TDD" operation (synchronized two-way transmissions on the same frequency) is allowed in the band. FCC part 95 service rules provide for a maximum downlink power of 20 Watts ERP and a maximum uplink power is 4 Watts ERP, but the FCC has granted waivers to increase both uplink and downlink power by substantial amounts (see FCC Order DA 14-269). Higher power transmissions are appropriate based on the base station and remote transmit limits of 1000 and 50 Watts ERP respectively in the neighboring AMTS band. Networks may employ point-to-point, point-multipoint (tall site), and/or cellular architectures.

Each 500 kHz license may be divided into narrower channel blocks, such as 6.25 or 12.5 kHz, or may use any bandwidth up to the full 500 kHz. Licenses may be combined for a fully contiguous 1000 kHz block of bandwidth. The large frequency allocation, excellent propagation, and uninterrupted band plan afford great flexibility in network design and use. The FCC has also been supportive of spectrum swaps to expand geographic coverage of licenses at the expense of capacity (see FCC Orders DA 16-906 and DA 17-234). The licenses have met FCC construction requirements, and the owners are confident that a sale or lease to a qualified party would be approved by the FCC.

Equipment for this band is made by Meteorcomm http://meteorcomm.com, GE Vernova https://www.gegridsolutions.com, Ondas Networks http://ondas.com, 4RF www.4rf.com, Alstom www.alstomsignalingsolutions.com, ESTeem www.esteem.com, XetaWave www.xetawave.com, Cambium http://www.cambiumnetworks.com, Alligator Communications www.alligatorcom.com, Tait http://taitradio.com, and Hytera www.hytera.com. The band is also compatible with the recently approved IEEE wireless standard – 802.16s "GRIDMAN". This high-reliability standard is intended for use by utilities and other critical infrastructure operators.

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