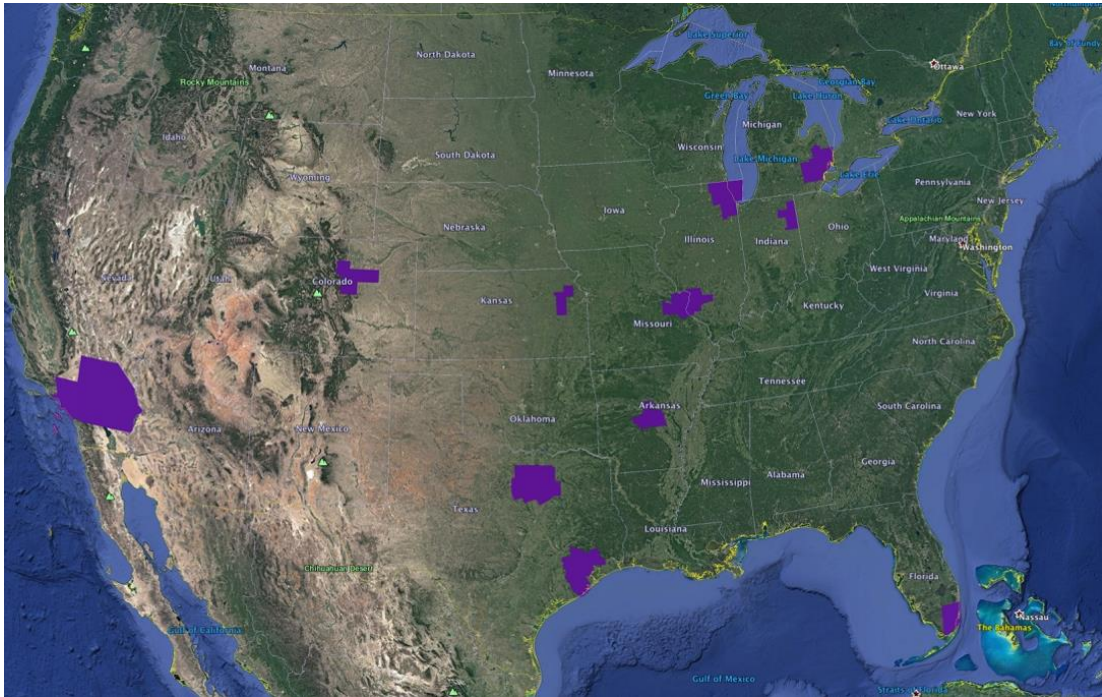


Wireless Communications in the 218-219 MHz Service Band Suitable for Applications to Support Critical Infrastructure Available in Eleven Major U.S. Urban Markets

Select Spectrum currently represents multiple clients holding **218-219 MHz Service FCC licensed spectrum** that cover 56 million people across eleven major markets and populous urban centers. These licenses offer up to 500 kHz bandwidth each and provide excellent propagation with support of throughput of 1 Mbps or more per license per site. 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 Federal Communications Commission.



In some locations, both the A and B channel block licenses are available for purchase. Licenses include:

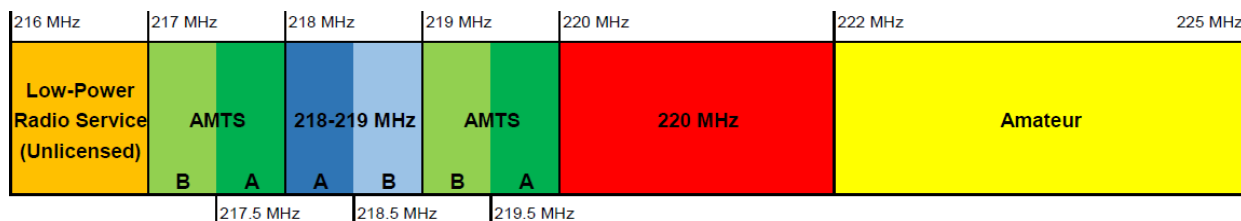
Market Name	Census POPs (2016 Est.)	Market Name	Census POPs (2016 Est.)
Los Angeles-Long Beach/Anaheim, CA*	17,838,284	Denver-Boulder, CO	3,056,941
Chicago, IL	8,364,162	St. Louis, MO-IL	2,628,282
Dallas-Fort Worth, TX*	7,132,475	Little Rock-North Little Rock, AK	706,408
Houston, TX	6,373,382	Fort Wayne, IN	509,780
Detroit/Ann Arbor, MI	4,662,326	Topeka, KS	212,886
Miami-Fort Lauderdale-Hollywood, FL	4,622,577		
Total			56,107,503

*Both the A and B Blocks are offered in this market across two licenses for a combined 1,000 kHz of available spectrum.

218-219 MHz licenses can support a broad range of applications including broadcast or two-way; mobile or fixed; data, voice or video. Licenses are currently in use for a variety of applications by utilities such as **Pepco Holdings, Inc.** in the Washington D.C. Metro market for Land Mobile Radio and data communications and by train operators such as the **New York Metropolitan Transportation Authority** (NY Subway and Commuter Rail), **New Jersey Transit** and Philadelphia’s **Southeastern Pennsylvania Transit Authority** in the New York and Philadelphia markets, respectively, for Positive Train Control “PTC” and Communications-Based Train Control “CBTC”. Potential new applications include Internet of Things (IoT) applications, Unmanned Aerial Vehicle “UAV” (drone) communications and oil & gas production and transportation.

Networks may employ point-to-point, point-multipoint (tall site) and/or cellular architectures. The large frequency allocation, excellent propagation and uninterrupted band plan affords greater flexibility in network design and use. These licenses are governed by the FCC’s part 95 rules. The purchaser/lessee may divide the channels into narrow blocks such as 6.25 or 12.5 kHz, or may use any bandwidth up to the full 500 kHz.

The A Block (218-218.5 MHz) and B Block (218.5-219 MHz) of spectrum are shown on the FCC’s channel plan below. The 218-219 MHz frequency assignment is between the upper and lower portions of the Automated Marine Telecommunications System (AMTS) channel plan. Time division duplex “TDD” operation (synchronized two-way transmissions on the same frequency) is allowed in the band.



Maximum downlink power is 20 Watts ERP and maximum uplink power is 4 Watts ERP, however, the FCC approved waivers allowing up to 1000 Watts ERP consistent with the neighboring AMTS band.

Equipment for this band is made by Full Spectrum www.fullspectrumnet.com, GE Grid Solutions www.gegridsolutions.com, Alstom www.alstomsignalingsolutions.com, 4RF www.4rf.com, XetaWave www.xetawave.com, Alligator Communications www.alligatorcom.com, and Tait Communications <https://www.taitradio.com>. The band is also compatible with a new IEEE wireless standard – 802.16s “GRIDMAN”. This high reliability standard is intended for use by utilities and other critical infrastructure operators.

Wireless systems utilizing the licenses are in service and the licenses were renewed in 2014 and 2015. The new license terms run through various dates in 2024 and 2025 when they are renewable for a minimal administrative fee. The licenses are immediately available for purchase or lease offers, and Select Spectrum will be glad to answer questions about the licenses or the sales process. Please contact us via the information below.

Contact: Robert Finch, rfinch@selectspectrum.com, 571 287 8721 <http://selectspectrum.com>