

Wireless Spectrum Licenses in the 900 MHz B/ILT & SMR Bands Ideal for Land Mobile Radio & Data Applications Available Across 15 Major & Semi-Major Metropolitan Markets

Select Spectrum is offering a **900 MHz Business, Industrial, and Land Transportation & Specialized Mobile Radio (900 MHz) site-based FCC spectrum license** over Sacramento, CA, providing coverage over a population of almost 5 million.

The license consists of two 12.5 kHz (paired) two-way channel frequencies, with each channel offering a total of 25 kHz capacity for an aggregate capacity of 50 kHz.

The available 900 MHz license coverage map is shown below.



900 MHz spectrum is held and in use for critical infrastructure and utility communications, including Land Mobile Radio (LMR), Surveillance Control and Data Acquisition (SCADA), Internet of Things (IoT), and Oil/Gas applications.

The 900 MHz B/ILT & SMR channel plan is shown with neighboring service groups below:

894 Air-Ground Communications (894 - 896 MHz)	896 900 MHz B/ILT/SMR Interleaved Channels - Site Based, Area Based Auctioned (896 - 901 MHz)	901 Narrowband PCS (901 - 902 MHz)
933 Multiple Address Systems (933 - 935 MHz)	935 900 MHz B/ILT/SMR Interleaved Channels - Site Based, Area Based Auctioned (935 - 940 MHz)	940 Narrowband PCS (940 - 941 MHz)

900 MHz licenses are subject to Title 47, Part 90, Subpart S service rules and can be used for broadcast or two-way; mobile or fixed; voice or narrowband data applications. Maximum allowable base power ranges between 65 and 1000 Watts ERP, varying based on upon antenna height above average terrain. Mobile stations have a maximum output power of 100 Watts. Flexible rules for Conventional/Trunked systems allow for up to 10 contiguous channels to be combined for systems requiring more than standard single channel bandwidth.

Networks may employ point-to-point and/or point-multipoint (tall site) architectures. All licenses having assigned, fully constructed towers in approved locations. The assigned tall site locations and large approved site radii for most licenses provide excellent propagation across populated urban/suburban areas. As older site-based licenses, all licenses in this offering have precedence over any existing market-based licenses, granting licensees freedom over planning their network around competing licenses sharing the same frequency assignments.

Equipment for the band is made by Ondas Networks www.ondas.com, Harris Corporation www.harris.com, Tait Communications <https://www.taitradio.com>, Motorola Solutions <https://www.motorolasolutions.com>, and GE MDS www.gedigitalenergy.com.

Basic information about the call signs offered is shown below. Please contact us for additional information regarding these licenses.

Market	Paired Channels Available	Aggregate kHz Available
Sacramento, CA	2	50

Contact: Zachary Thompson, zthompson@selectspectrum.com, (571) 287-8726
 Visit our website at <http://selectspectrum.com> to learn more