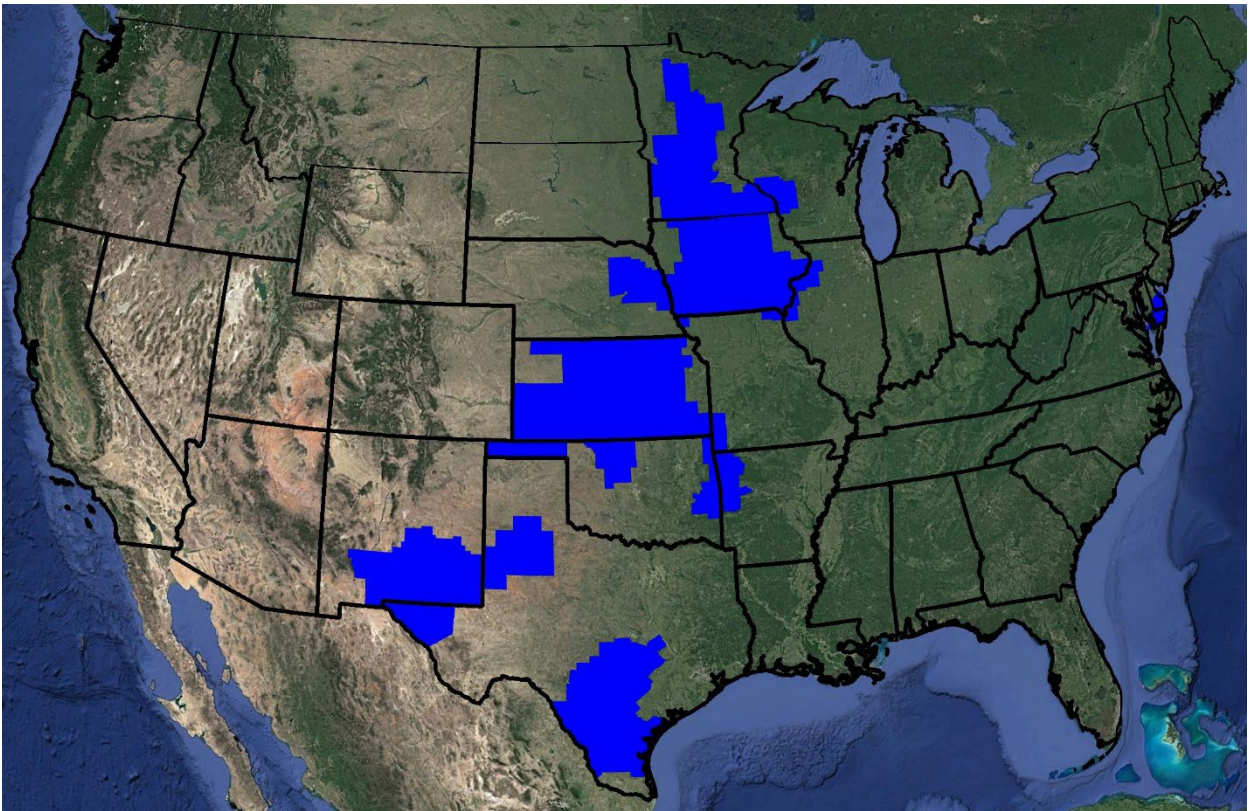


Wireless Spectrum Licenses in 150 MHz (Part 22 VHF) Ideal for Land Mobile Radio & Data Applications Available in California, Texas, Iowa, Kansas & Additional States

Select Spectrum is offering **150 MHz (Part 22 VHF) FCC licensed spectrum** across the portions of 15 states including New Mexico, Texas, Iowa, Minnesota, and Kansas. Major cities covered include El Paso, Austin, San Antonio, Wichita, Topeka, Des Moines, and Salisbury. Together, these licenses cover a population of about 21 million in both urban and rural markets.

Available spectrum varies, with between 60 to 1,020 kHz bandwidth in each BEA. In Iowa market areas (Cedar Rapids, Des Moines, and Davenport) significant capacity (960 – 1,020 kHz) is available for purchase. With multiple geographically adjacent and spectrally contiguous licenses, it is possible to combine and deploy sophisticated, high-bandwidth networks.

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



These licenses can support a wide variety of uses and are ideal for remote monitoring for critical infrastructure, smart grid, utility communications, public safety and paging. Common uses include land mobile radio, SCADA systems, Oil & Gas production/pipelines and transportation.

150 MHz VHF spectrum can be used for paging and/or voice or data in one-way or two-way or broadcast modes including fixed and mobile services. E Block licenses are unpaired (20 kHz) and are assigned for paging operations, while F Block licenses are paired (2 x 30 kHz) and have an interleaved channel plan that allows full duplexing and simultaneous multipoint digital broadcasts from multiple transmitters on either the upper or lower channel blocks for voice & data applications. Half-duplex (time-division duplex “TDD”) is also allowed. Maximum base station power is 1400 Watts ERP, while mobile units may transmit at up to 60 Watts ERP. The generous rules allow for long range and high reliability in both high-density urban areas and rural areas. Networks may employ point-to-point, and/or point-multipoint (tall site) architectures.

Subject to FCC Part 22 Paging rules, the 2 x 30 kHz channel spacing allows for flexibility in land mobile radio and data transmission systems. Each license is permitted 2 x 20 kHz of effective bandwidth with an assigned center frequency, allowing for interference protection and compatibility with narrowband technologies. The FCC is considering a recent proposal (DA 14-1508) to update the rules, particularly Subpart E, to allow for greater flexibility by permitting usage of the channel spacing & frequency offsets if license holders own adjacent blocks and of innovative technologies such as TETRA and 12.5 kHz/6.25 kHz narrowband equipment. Commenters have been unanimously supportive of the measure, but waivers would be required in the interim to achieve flexibility while satisfying FCC regulatory compliance.

Equipment for the band is made by Ondas Networks www.ondas.com, 4RF www.4rf.com, XetaWave www.xetawave.com, Motorola Solutions <https://www.motorolasolutions.com>, ESTeem www.esteem.com, Hytera www.hytera-mobilfunk.com, Kenwood www.kenwood.com, and Tait Communications www.taitradio.com. For spectrum blocks of 100 kHz or greater, 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.

Most licenses cover their entire original assignments, but some licenses in dense markets have been disaggregated in accordance with FCC rules including §22.513 of Title 47, Part 22. Under the same rules, licensees may further disaggregate licenses. Individual call sign information is available upon request. Please contact us for additional information regarding these licenses.

Basic information about the overall offering is shown below:

Market	kHz	Max 2020 POPs	MHz POPs	Market	kHz	Max 2020 POPs	MHz POPs
Salisbury, MD	60	463,741	27,824	Wichita, KS-OK	180	1,213,976	218,516
Fort Smith, AR-OK	60	344,411	20,665	Topeka, KS	80	477,563	38,205
Fayetteville, AR	60	629,920	37,795	Tulsa, OK-KS	340	1,537,878	522,879
Joplin, MO-KS-OK	220	281,665	61,966	Oklahoma City, OK	300	2,041,970	612,591
Des Moines, IA	980	1,844,278	1,807,392	Austin, TX	120	2,407,350	288,882
Davenport, IA	1020	559,052	570,233	Corpus Christi, TX	240	582,674	139,842
Cedar Rapids, IA	960	468,601	449,857	San Antonio, TX	360	3,086,213	1,111,037
La Crosse, WI-MN	300	268,520	80,556	Hobbs, NM-TX	300	231,218	69,365
Rochester, MN	300	358,885	107,666	Lubbock, TX	300	426,060	127,818
Minneapolis, MN	60	1,510,980	90,659	El Paso, TX-NM	300	1,190,292	357,088
Omaha, NE-IA-MO	600	1,230,060	738,036	Total	60-1020	21,155,307	7,478,871
Joplin, MO-KS-OK	220	280,909	61,800				